

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
 Data File : VD064452.D  
 Acq On : 06 Dec 2019 12:06  
 Operator : VA/SY  
 Sample : VD1206SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

Manual Integrations  
 APPROVED

apatel  
 12/9/2019 2:03:51 PM

Quant Time: Dec 07 00:25:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 493994   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 716101   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 637323   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 308693   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 217764   | 48.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.40%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 228142   | 50.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.14% |      |
| 50) Toluene-d8            | 10.34  | 98  | 869296   | 51.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.30% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 275472   | 50.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.88% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 93360  | 20.858 | ug/l   | 100    |
| 3) Chloromethane              | 2.21 | 50  | 115991 | 20.546 | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 136361 | 20.919 | ug/l   | 97     |
| 5) Bromomethane               | 2.76 | 94  | 92286  | 19.145 | ug/l   | 93     |
| 6) Chloroethane               | 2.92 | 64  | 90189  | 20.700 | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 232433 | 21.449 | ug/l   | 94     |
| 8) Diethyl Ether              | 3.70 | 74  | 44689  | 19.846 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 97160  | 20.911 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.29 | 142 | 98541  | 20.083 | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 25808  | 90.674 | ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 93558  | 21.012 | ug/l   | 97     |
| 13) Acrolein                  | 3.93 | 56  | 33884  | 87.280 | ug/l   | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 141981 | 20.432 | ug/l   | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 91376  | 92.797 | ug/l   | 98     |
| 16) Acetone                   | 4.16 | 43  | 80450  | 89.035 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.40 | 76  | 292476 | 20.740 | ug/l   | 97     |
| 18) Methyl Acetate            | 4.73 | 43  | 50894  | 19.310 | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 198392 | 19.424 | ug/l   | 97     |
| 20) Methylene Chloride        | 4.97 | 84  | 107850 | 20.903 | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 106563 | 21.158 | ug/l   | 94     |
| 22) Diisopropyl ether         | 6.37 | 45  | 270160 | 19.694 | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 769705 | 95.176 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 169664 | 20.566 | ug/l   | 98     |
| 25) 2-Butanone                | 7.22 | 43  | 115434 | 90.335 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 157134 | 21.902 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 112027 | 20.402 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 46802  | 16.600 | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 73334  | 90.203 | ug/l   | 96     |
| 30) Chloroform                | 7.71 | 83  | 172062 | 20.138 | ug/l   | 94     |
| 31) Cyclohexane               | 7.98 | 56  | 166411 | 20.387 | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 165375 | 20.878 | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 136815 | 20.199 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 53347  | 18.562 | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 149272 | 20.881 | ug/l   | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
 Data File : VD064452.D  
 Acq On : 06 Dec 2019 12:06  
 Operator : VA/SY  
 Sample : VD1206SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1206SBS01

Manual Integrations  
 APPROVED

apatel  
 12/9/2019 2:03:51 PM

Quant Time: Dec 07 00:25:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 176930   | 21.058  | ug/l   | 100      |
| 40) Benzene                    | 8.36  | 78   | 383067   | 20.362  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.54  | 41   | 31087    | 18.861  | ug/l # | 84       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 109400   | 19.941  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 108642   | 19.225  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 116158   | 20.498  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 92141    | 20.480  | ug/l   | 98       |
| 46) Dibromomethane             | 9.47  | 93   | 50108    | 19.733  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.66  | 83   | 131407   | 20.140  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.46  | 41   | 48836    | 18.886  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 11798    | 376.252 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 262008   | 93.707  | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 248999   | 20.310  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 122458   | 19.693  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 147444   | 19.960  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 66402    | 19.097  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 85195    | 19.211  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 119655   | 20.216  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 179653   | 101.622 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 176948   | 91.203  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 91765    | 19.465  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 66192    | 19.066  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.87 | 164  | 99209    | 20.413  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 268360   | 20.189  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 100756   | 20.476  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 478152   | 20.218  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 362500   | 40.199  | ug/l   | 100      |
| 69) o-Xylene                   | 12.18 | 106  | 163781   | 19.666  | ug/l   | 97       |
| 70) Styrene                    | 12.20 | 104  | 288221   | 19.915  | ug/l   | 100      |
| 71) Bromoform                  | 12.36 | 173  | 54535    | 18.524  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 454535   | 20.473  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 94565    | 18.767  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 70084    | 19.089  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 50720m   | 19.980  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 111599   | 20.355  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 540247   | 21.090  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 285801   | 20.276  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 373811   | 20.604  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 22484    | 19.313  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 304295   | 20.390  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 334466   | 21.205  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 368851   | 20.218  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 447074   | 20.652  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 418963   | 20.499  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 206712   | 19.865  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 203723   | 19.830  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 378338   | 20.384  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 77631    | 20.308  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 176056   | 19.797  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 11265    | 17.705  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
Data File : VD064452.D  
Acq On : 06 Dec 2019 12:06  
Operator : VA/SY  
Sample : VD1206SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

Manual Integrations  
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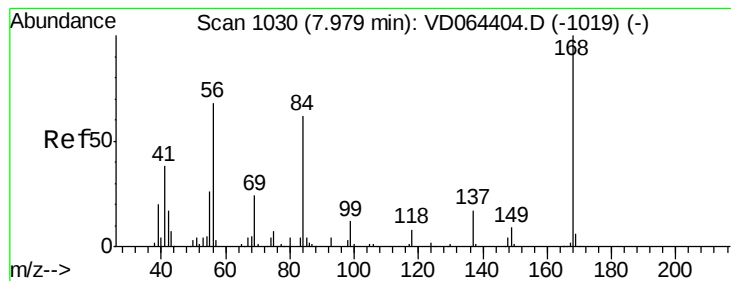
apatel  
12/9/2019 2:03:51 PM

Quant Time: Dec 07 00:25:32 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 134244   | 19.711 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 83362    | 19.827 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 212317   | 18.680 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 114083   | 19.623 | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBSD01

Tot Ion:168 Resp: 493994

Ion Ratio Lower Upper

168 100

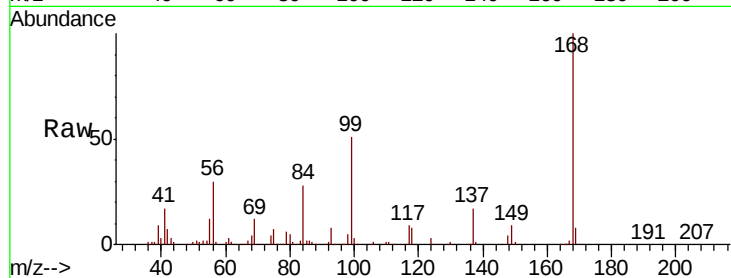
99 51.1 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

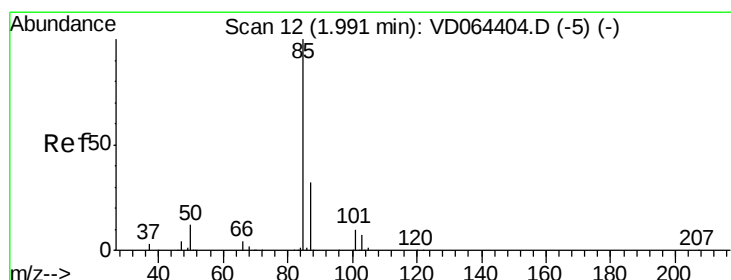
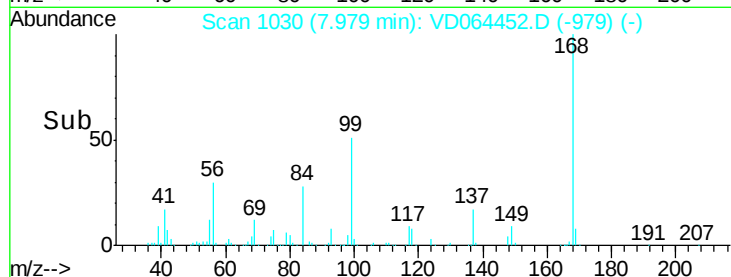
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.858 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064452.D

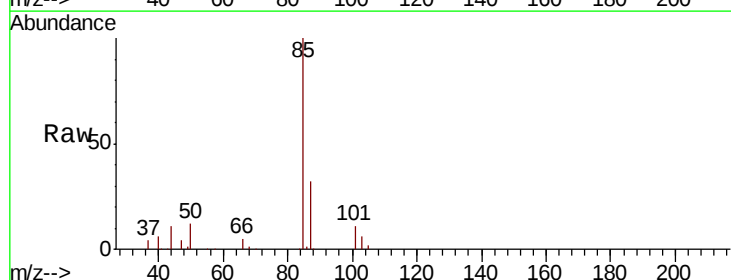
Acq: 06 Dec 2019 12:06

Tgt Ion: 85 Resp: 93360

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

1.90

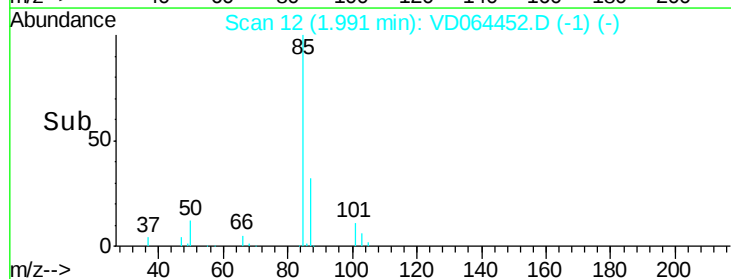
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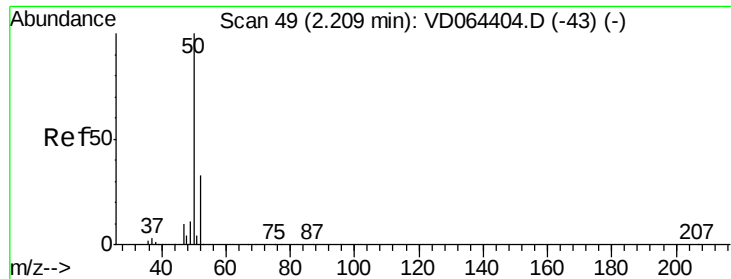
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.546 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 50 Resp: 115991

Ion Ratio Lower Upper

50 100

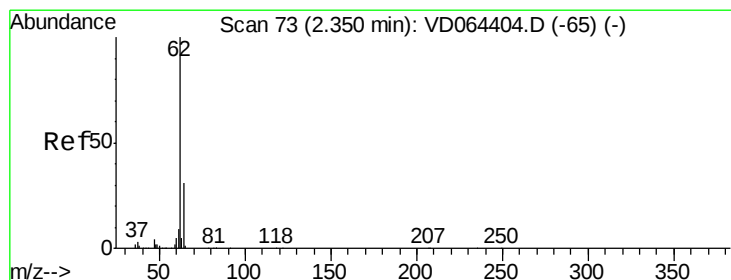
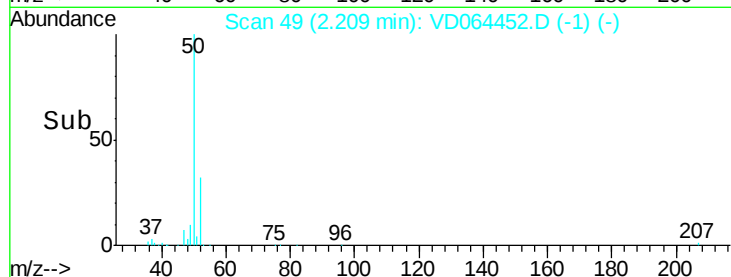
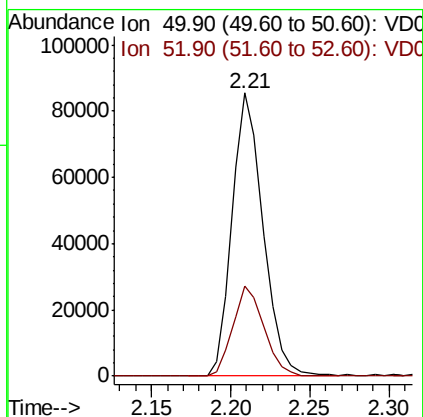
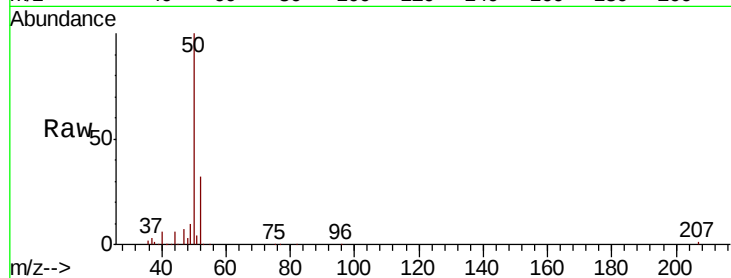
52 31.9 26.7 40.1

Manual Integrations

APPROVED

apatel

12/9/2019 2:03:51 PM



#4

Vinyl Chloride

Concen: 20.919 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064452.D

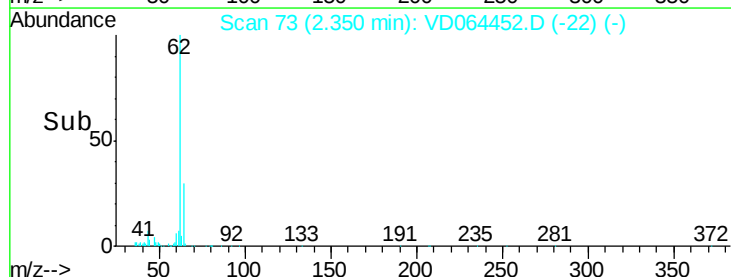
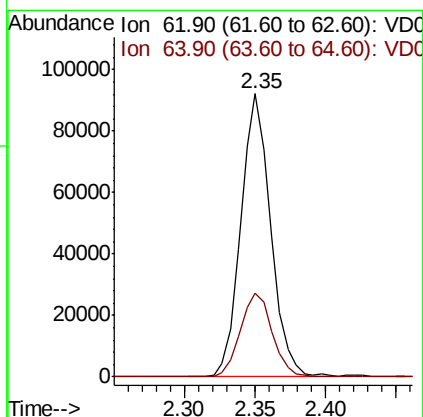
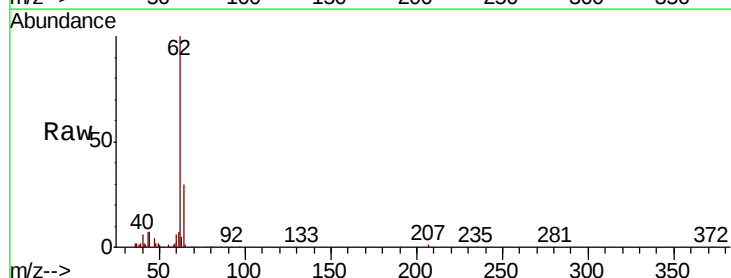
Acq: 06 Dec 2019 12:06

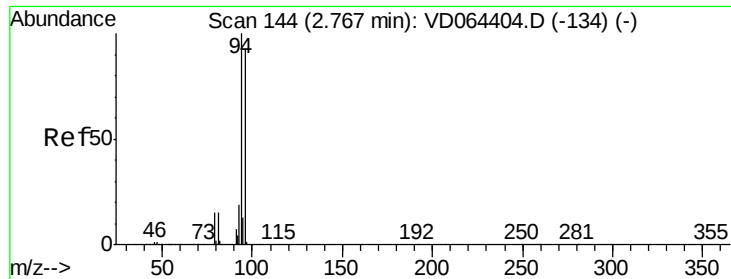
Tgt Ion: 62 Resp: 136361

Ion Ratio Lower Upper

62 100

64 29.5 25.0 37.4





#5

Bromomethane

Concen: 19.145 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 94 Resp: 92286

Ion Ratio Lower Upper

94 100

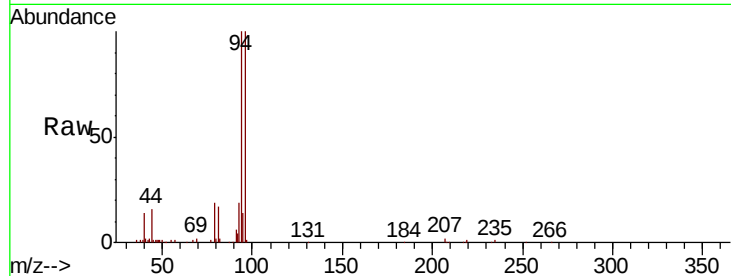
96 99.1 73.6 110.4

Manual Integrations

APPROVED

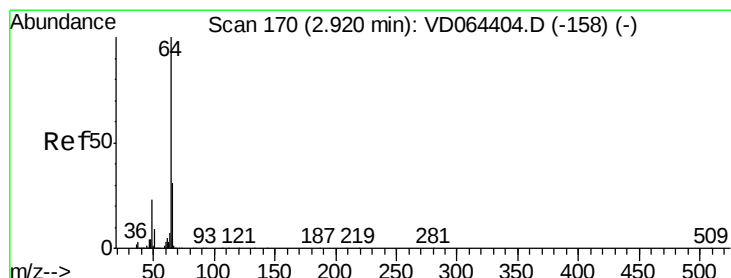
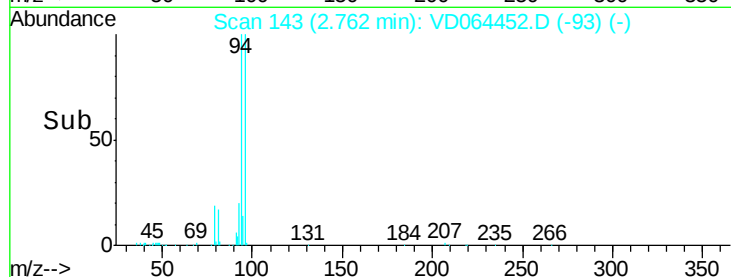
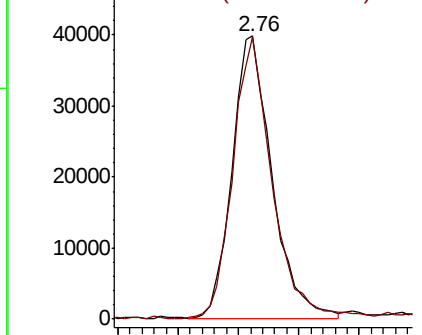
apatel

12/9/2019 2:03:51 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.700 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064452.D

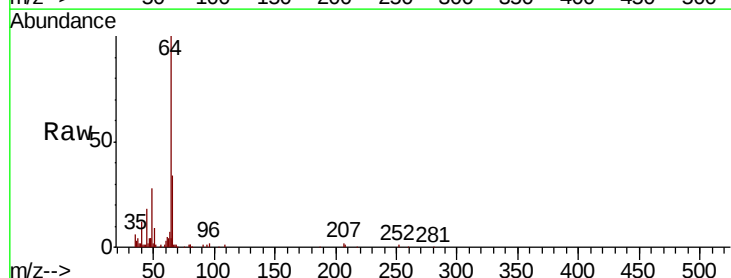
Acq: 06 Dec 2019 12:06

Tgt Ion: 64 Resp: 90189

Ion Ratio Lower Upper

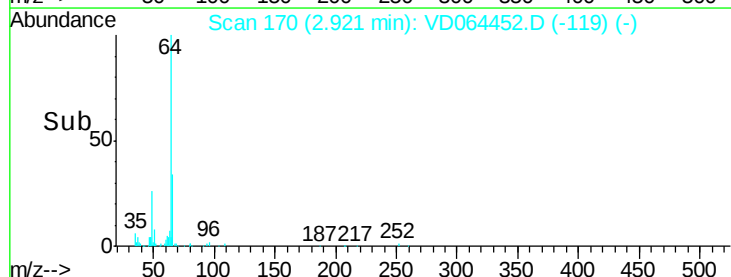
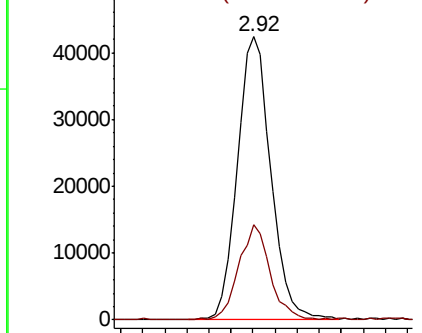
64 100

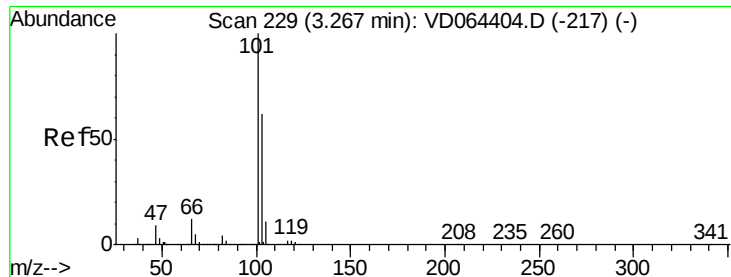
66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

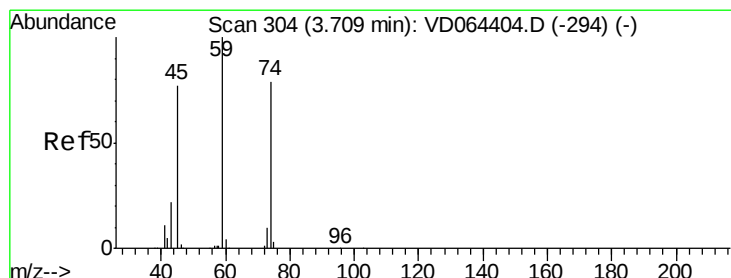
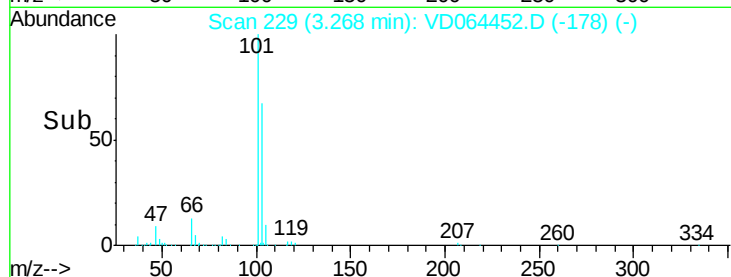
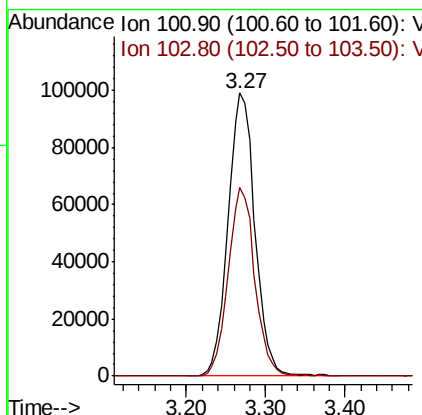
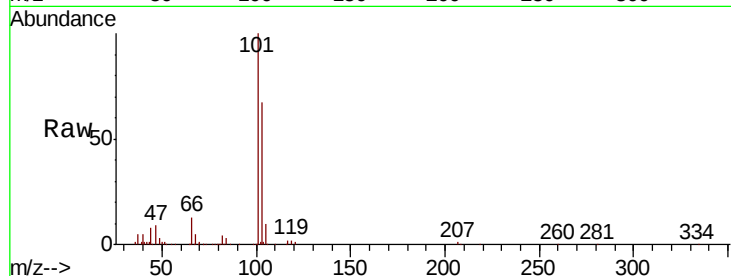
Trichlorofluoromethane  
 Concen: 21.449 ug/l  
 RT: 3.27 min Scan# 229  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.6  | 49.8  | 74.6  |

Manual Integrations  
 APPROVED

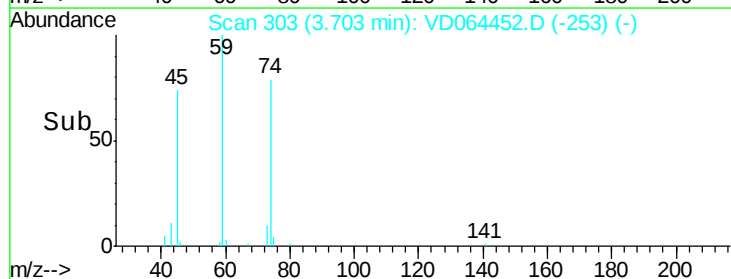
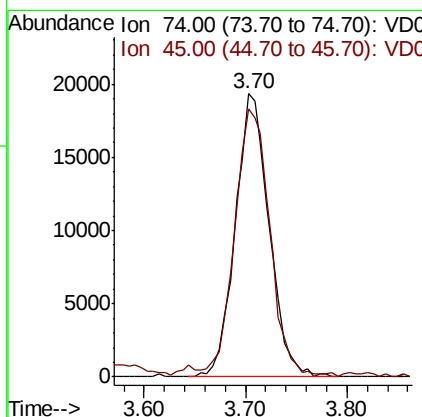
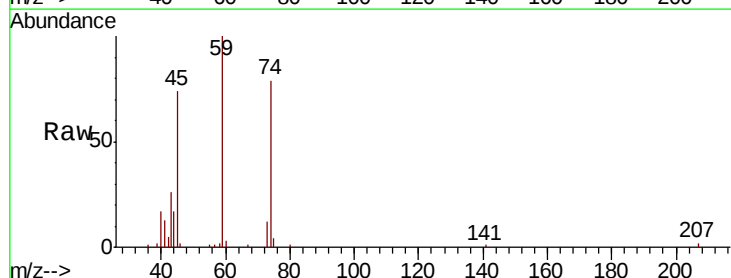
apatel  
 12/9/2019 2:03:51 PM

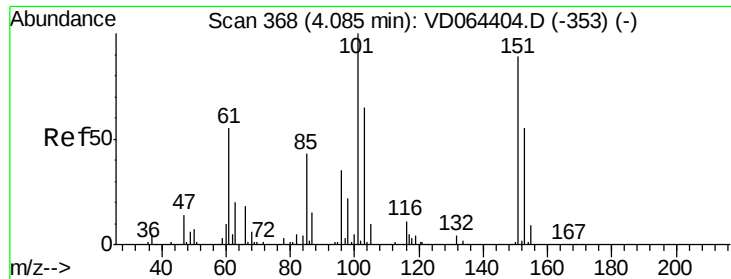


#8

Diethyl Ether  
 Concen: 19.846 ug/l  
 RT: 3.70 min Scan# 303  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.1  | 48.6  | 145.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.911 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

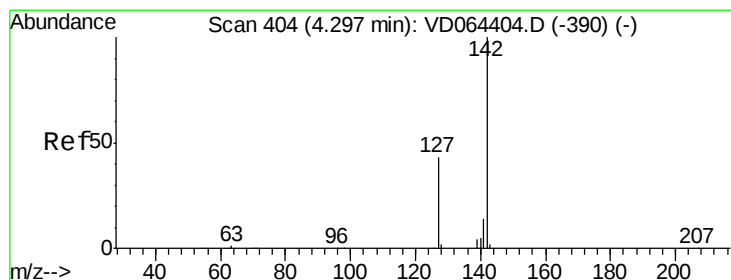
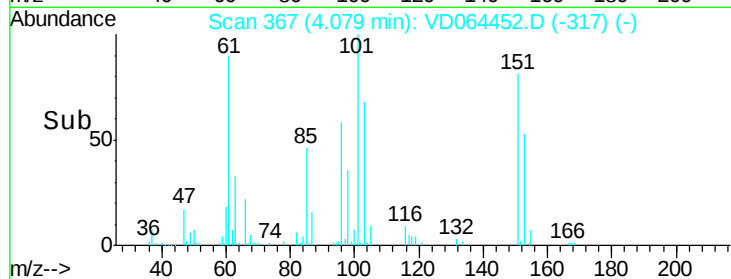
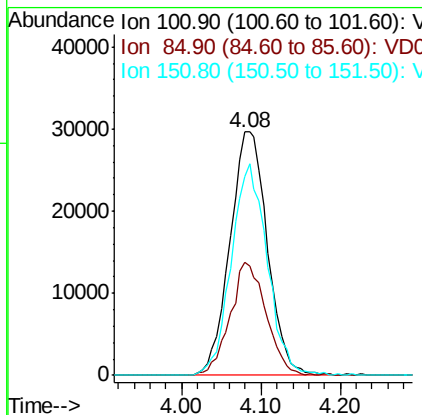
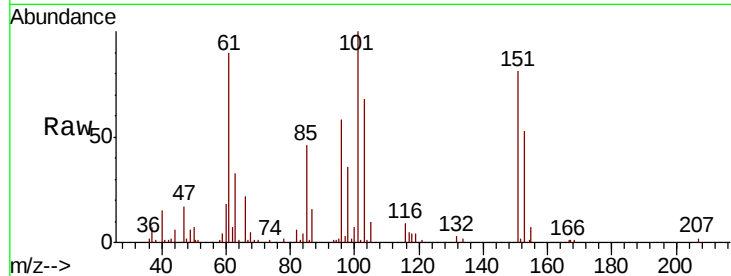
ClientSampleId :

VD1206SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 97160 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 34.8  | 52.2  |
| 151       | 83.3  | 68.8  | 103.2 |

Manual Integrations  
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apatel  
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#10

Methyl Iodide

Concen: 20.083 ug/l

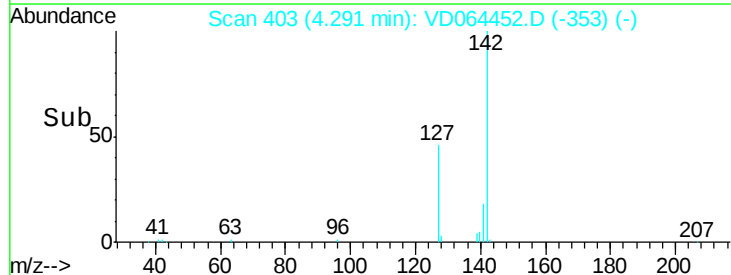
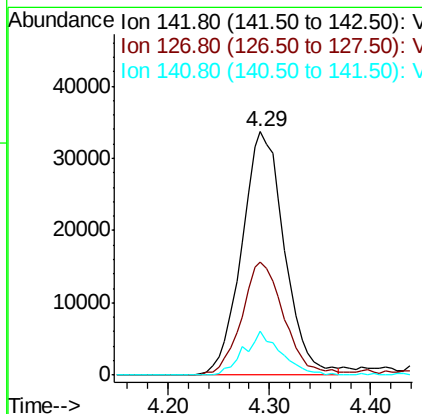
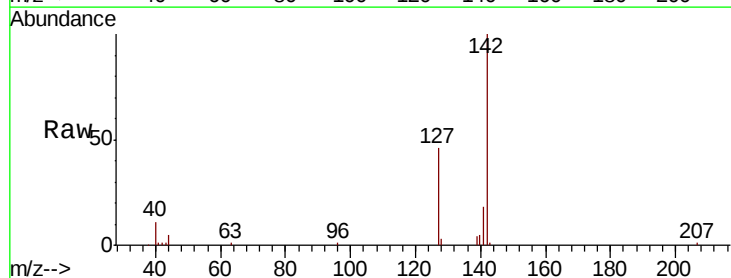
RT: 4.29 min Scan# 403

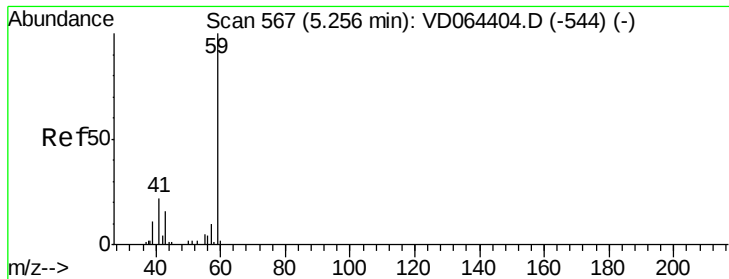
Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 98541 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.1  | 35.3  | 52.9  |
| 141       | 15.6  | 11.6  | 17.4  |





#11

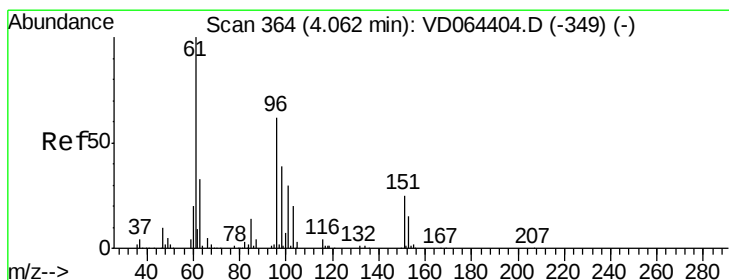
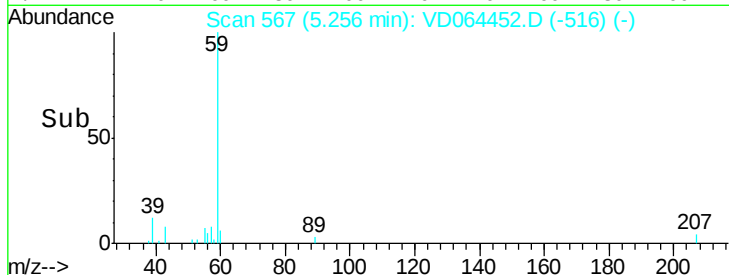
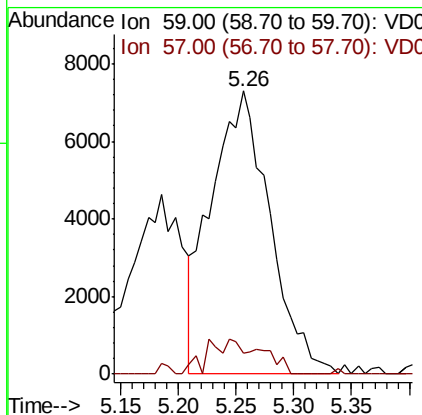
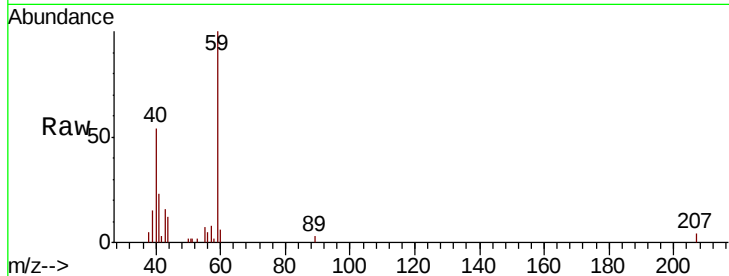
Tert butyl alcohol  
Concen: 90.674 ug/l  
RT: 5.26 min Scan# 567  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 25808 |       |       |
| 57      | 0.0   | 0.0   | 0.0   | 0.0   |

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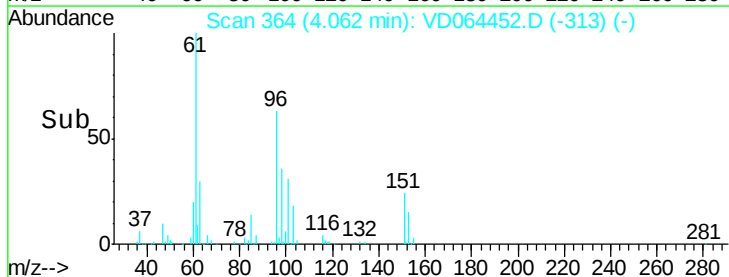
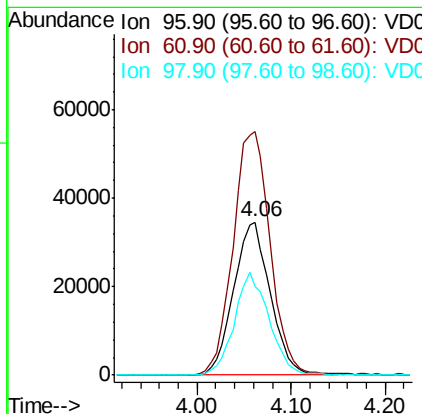
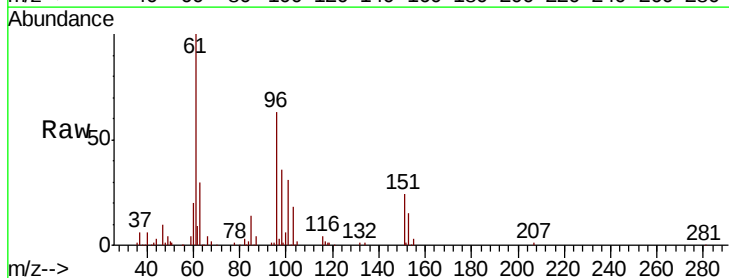
apatel  
12/9/2019 2:03:51 PM

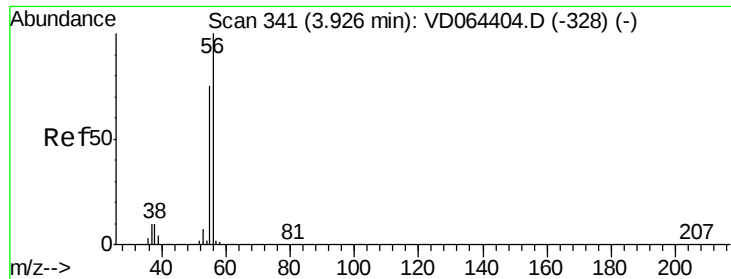


#12

1,1-Dichloroethene  
Concen: 21.012 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 93558 |       |       |
| 61      | 158.9 | 128.2 | 192.4 |       |
| 98      | 57.4  | 50.4  | 75.6  |       |





#13

Acrolein

Concen: 87.280 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBSD01

Tot Ion: 56 Resp: 33884

Ion Ratio Lower Upper

56 100

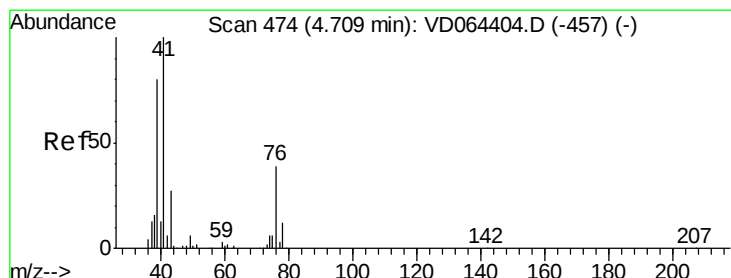
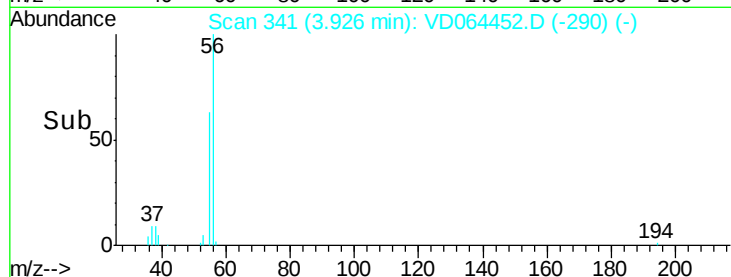
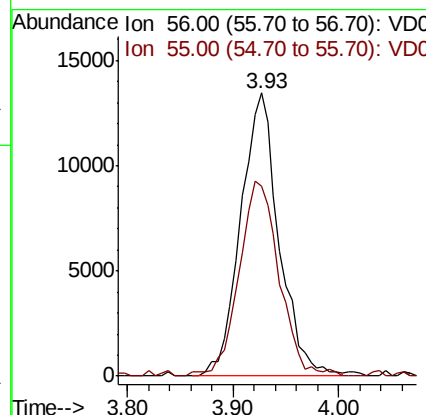
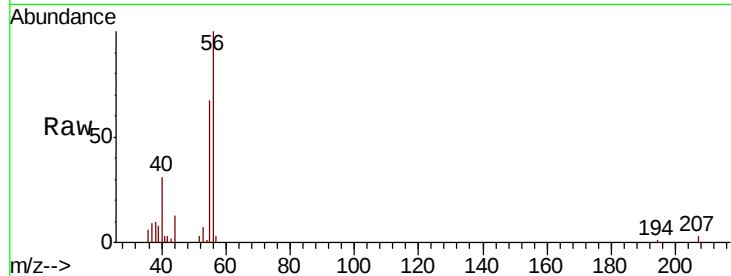
55 72.1 56.9 85.3

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#14

Allyl chloride

Concen: 20.432 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

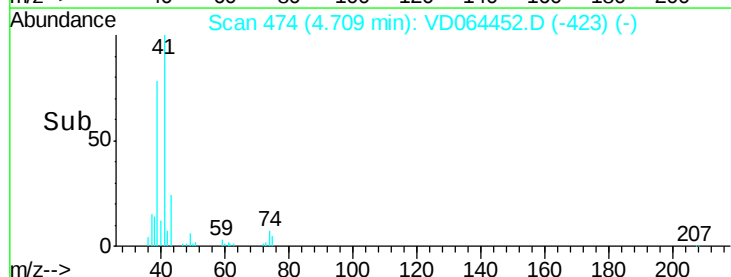
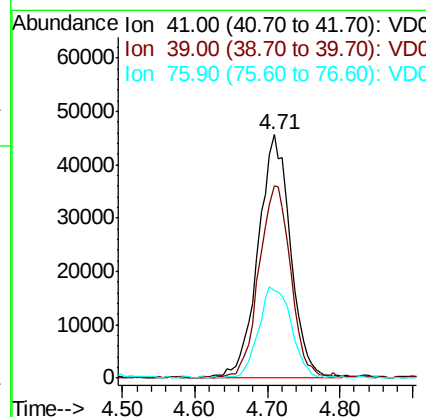
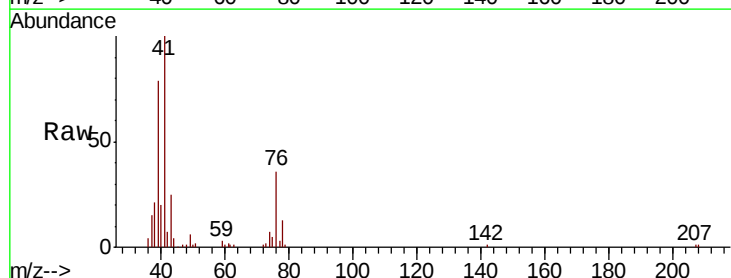
Tgt Ion: 41 Resp: 141981

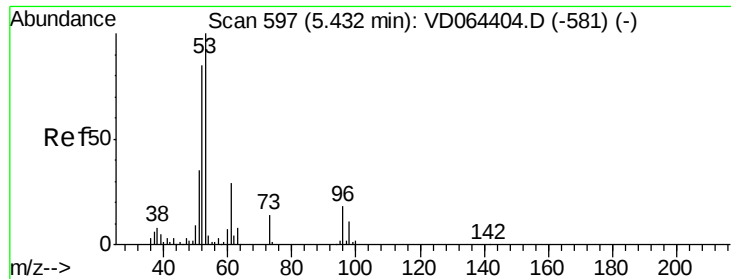
Ion Ratio Lower Upper

41 100

39 76.4 62.1 93.1

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 92.797 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

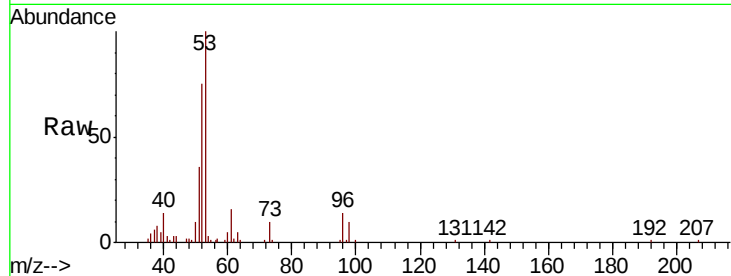
ClientSampleID :

VD1206SBS01

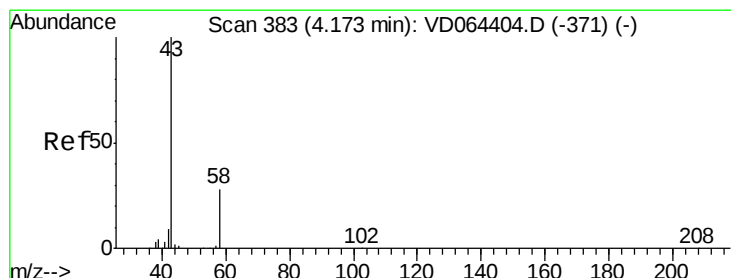
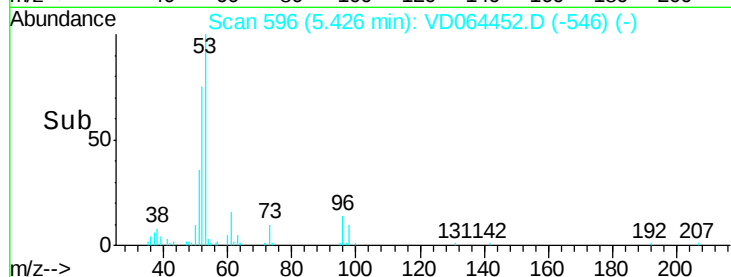
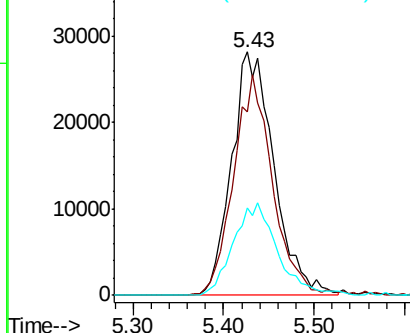
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 91376 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.9  | 67.9  | 101.9 |
| 51       | 38.6  | 30.6  | 45.8  |

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Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 89.035 ug/l

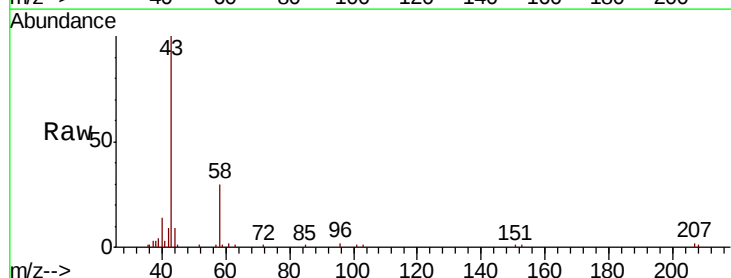
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

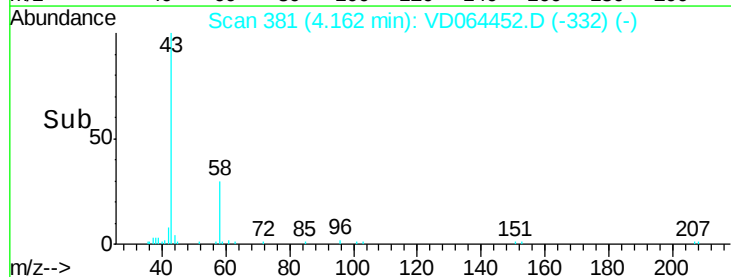
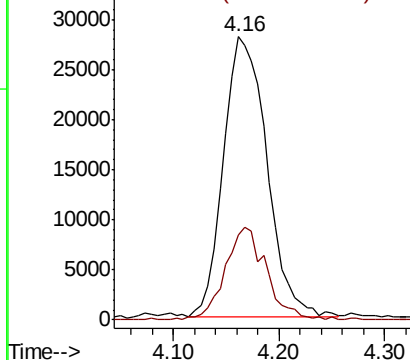
Lab File: VD064452.D

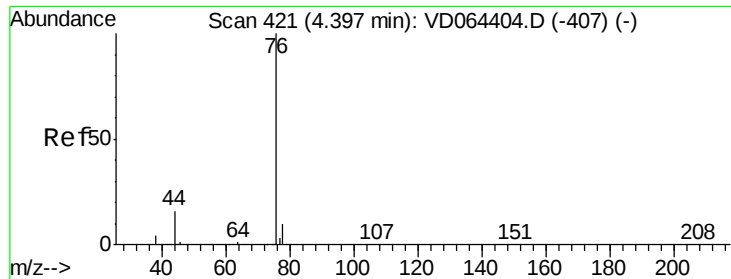
Acq: 06 Dec 2019 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 80450 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.1  | 22.6  | 33.8  |



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC





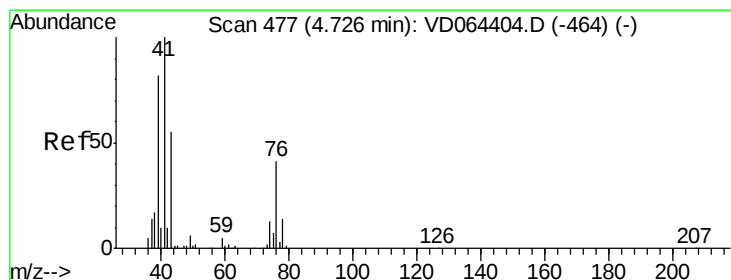
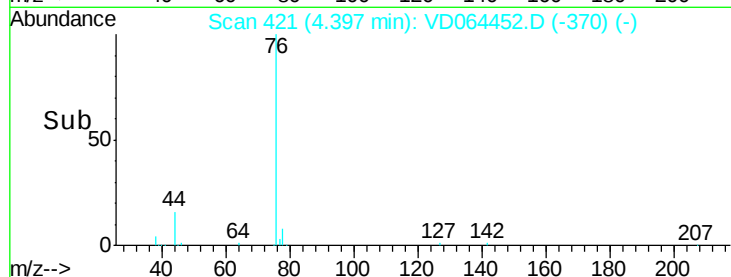
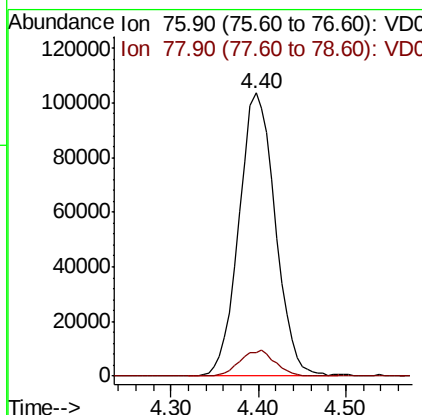
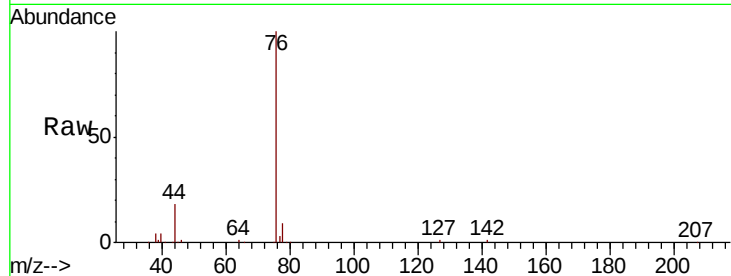
#17  
Carbon Disulfide  
Concen: 20.740 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.8   | 11.8  |

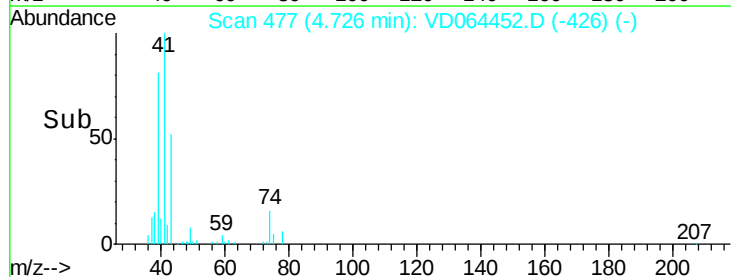
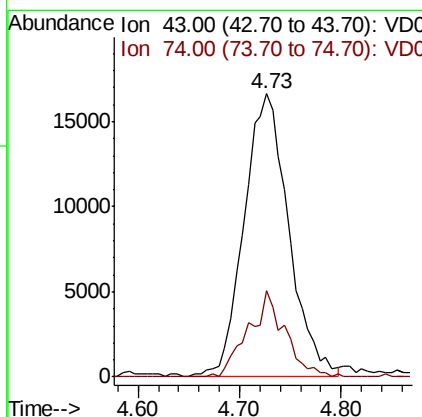
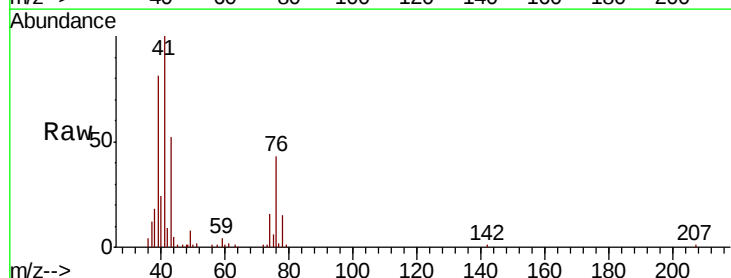
Manual Integrations  
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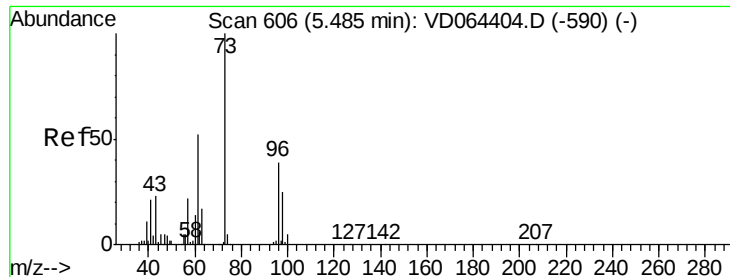
apatel  
12/9/2019 2:03:51 PM



#18  
Methyl Acetate  
Concen: 19.310 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.7  | 19.7  | 29.5  |





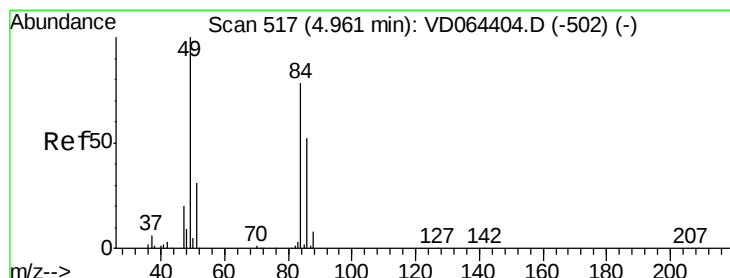
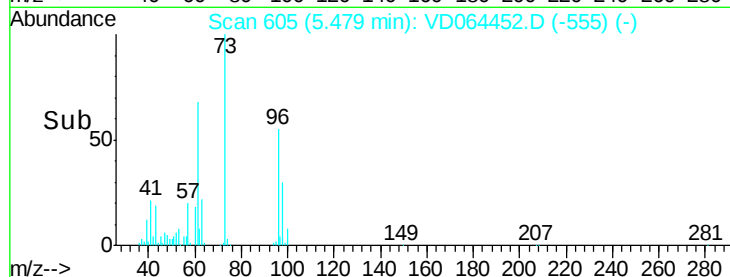
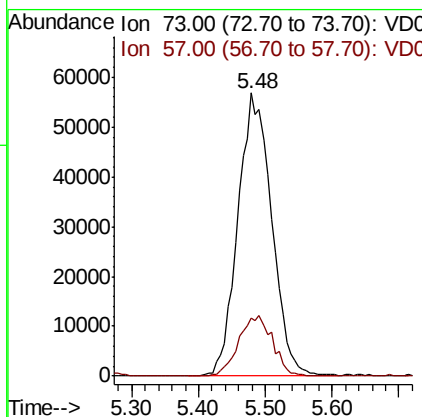
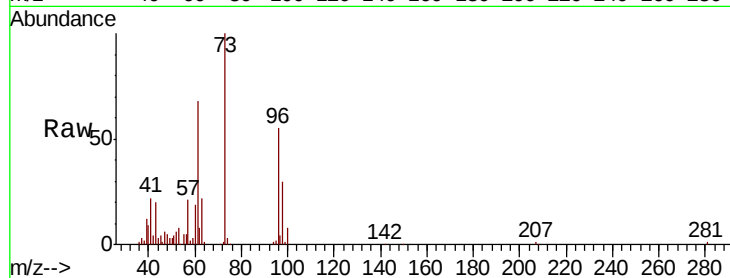
#19  
Methyl tert-butyl Ether  
Concen: 19.424 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

Tot Ion: 73 Resp: 198392  
Ion Ratio Lower Upper  
73 100  
57 20.5 17.6 26.4

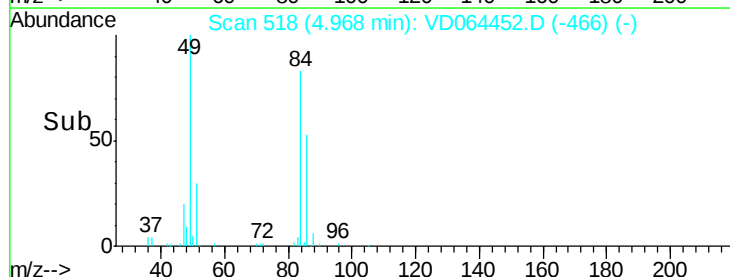
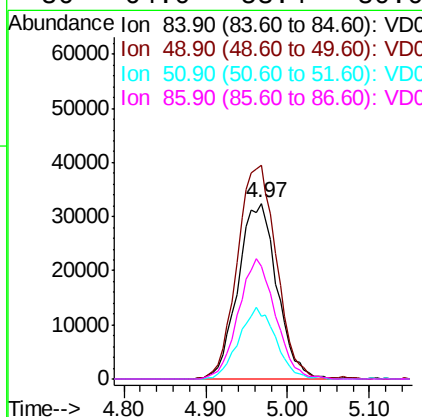
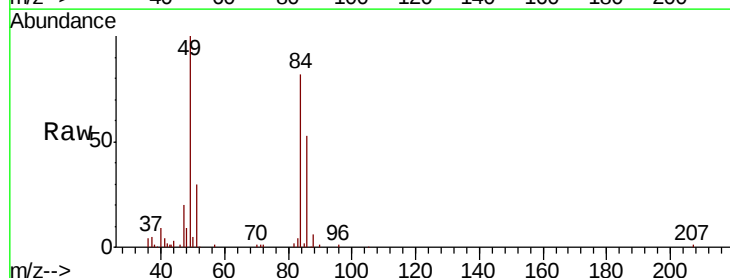
Manual Integrations  
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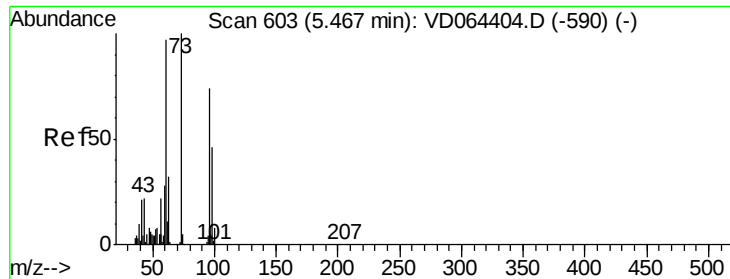
apatel  
12/9/2019 2:03:51 PM



#20  
Methylene Chloride  
Concen: 20.903 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Tgt Ion: 84 Resp: 107850  
Ion Ratio Lower Upper  
84 100  
49 121.7 102.6 153.8  
51 36.1 32.0 48.0  
86 64.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.158 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

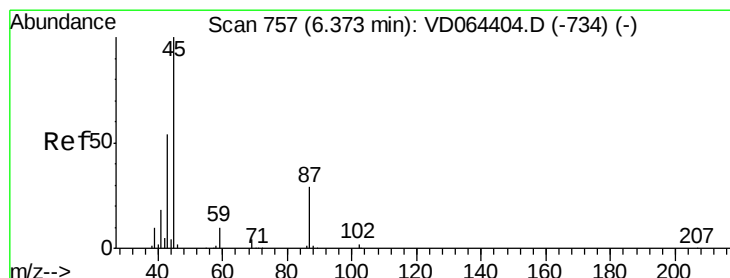
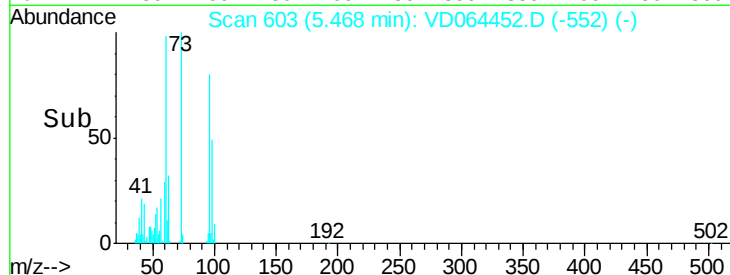
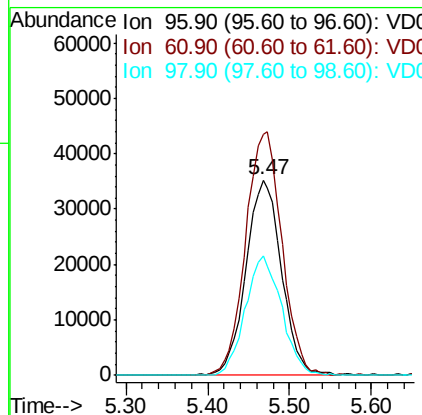
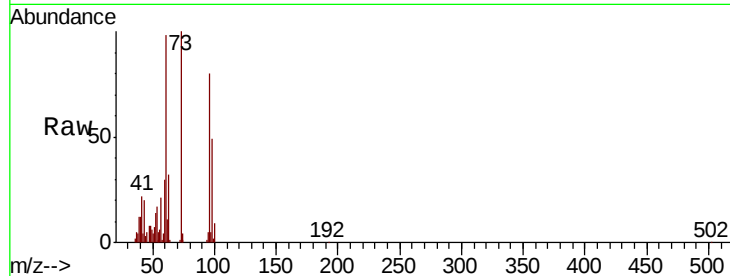
ClientSampleId :

VD1206SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 106563 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 123.6 | 105.8 | 158.6  |
| 98       | 61.1  | 50.1  | 75.1   |

Manual Integrations  
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apatel  
12/9/2019 2:03:51 PM



#22

Diisopropyl ether

Concen: 19.694 ug/l

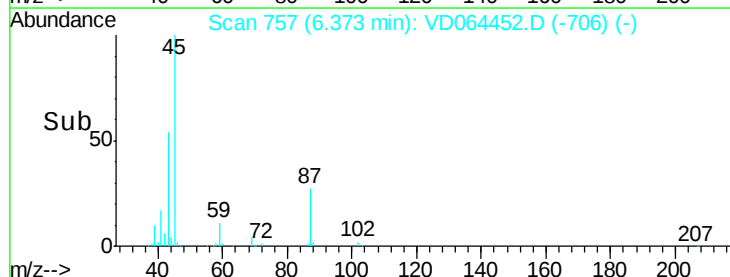
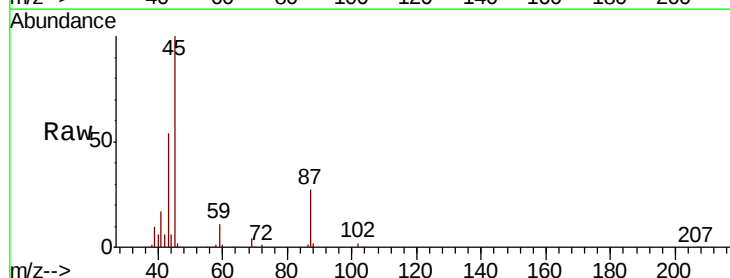
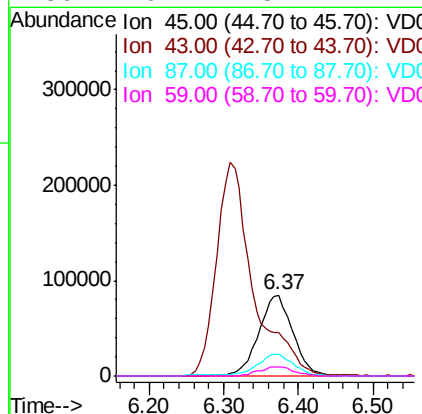
RT: 6.37 min Scan# 757

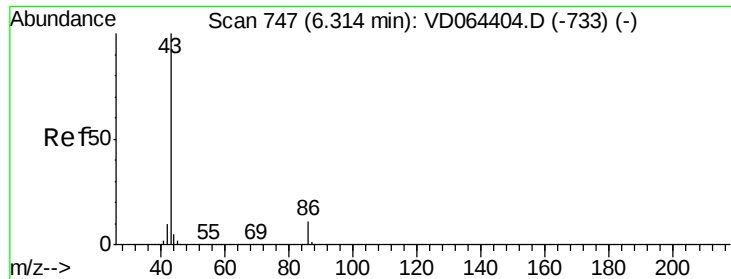
Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 270160 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.1  | 43.1  | 64.7   |
| 87       | 27.4  | 23.5  | 35.3   |
| 59       | 10.7  | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 95.176 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 769705

Ion Ratio Lower Upper

43 100

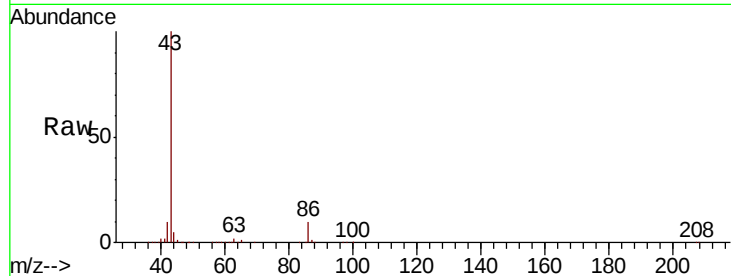
86 10.5 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

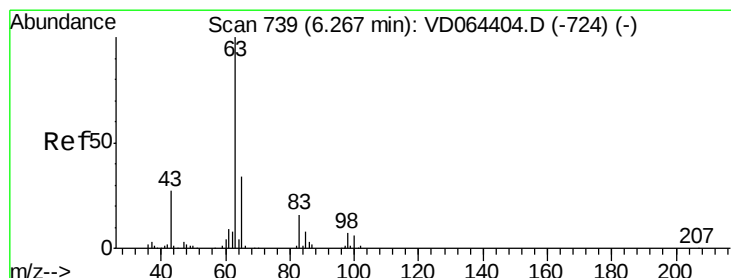
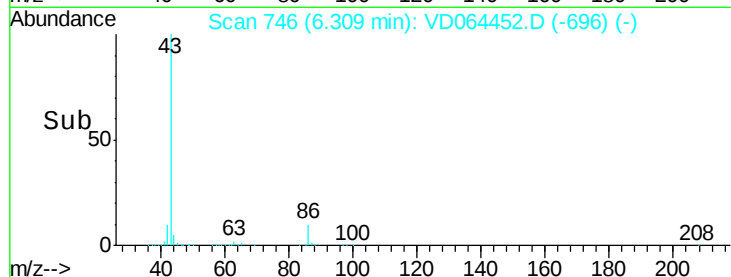
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.566 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

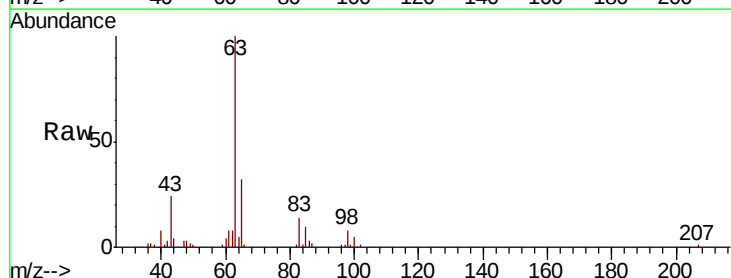
Tgt Ion: 63 Resp: 169664

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.1 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

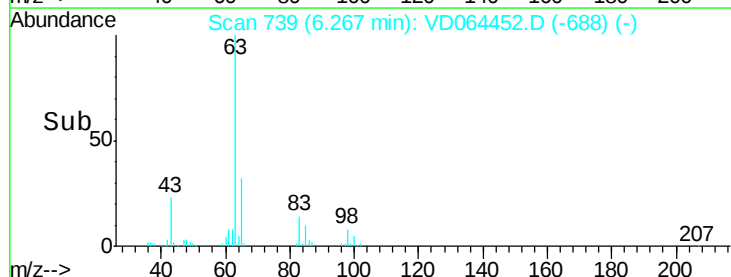
60000

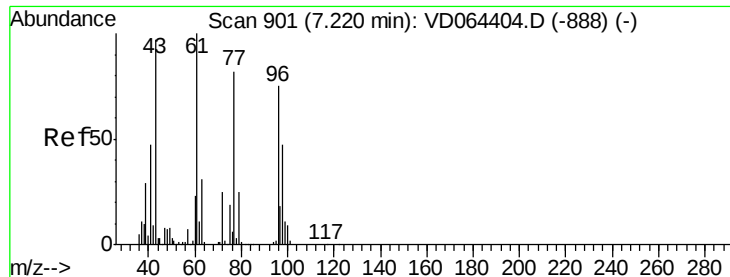
40000

20000

0

Time-->





#25

2-Butanone

Concen: 90.335 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBSD01

Tot Ion: 43 Resp: 115434

Ion Ratio Lower Upper

43 100

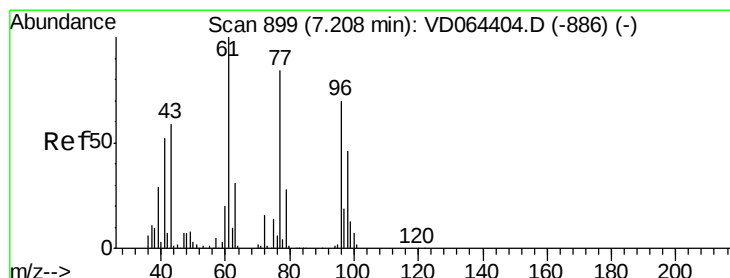
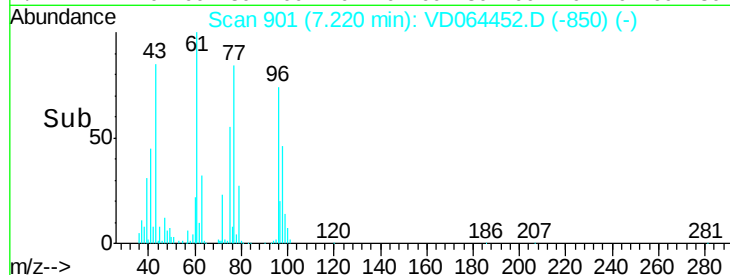
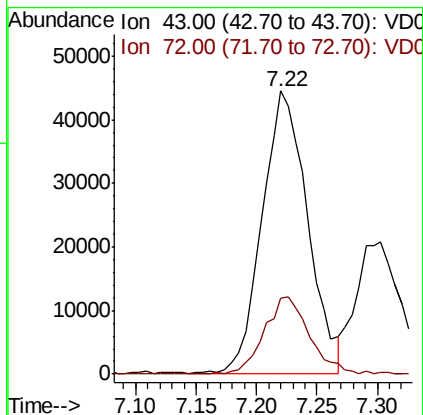
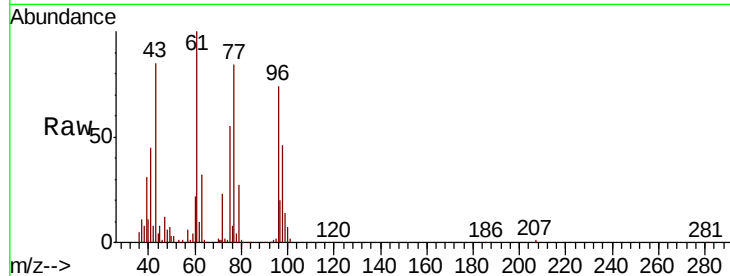
72 27.1 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 21.902 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064452.D

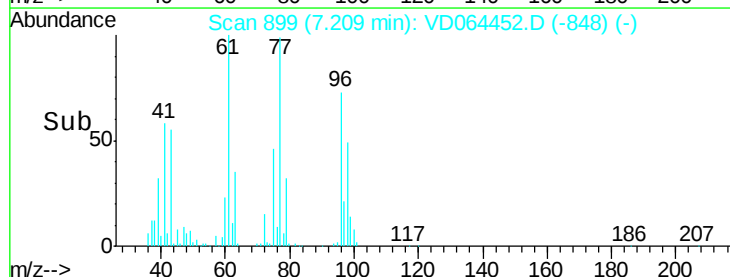
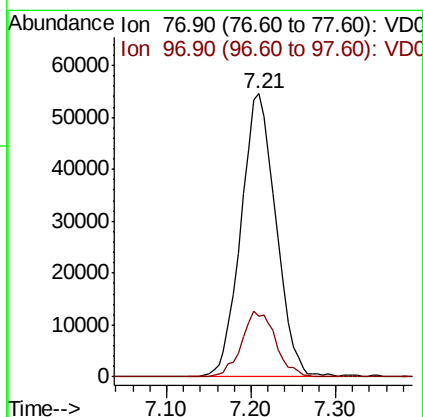
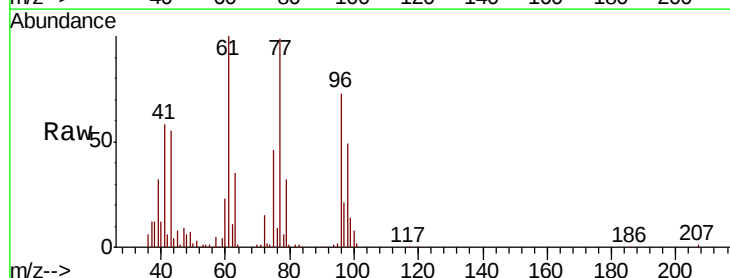
Acq: 06 Dec 2019 12:06

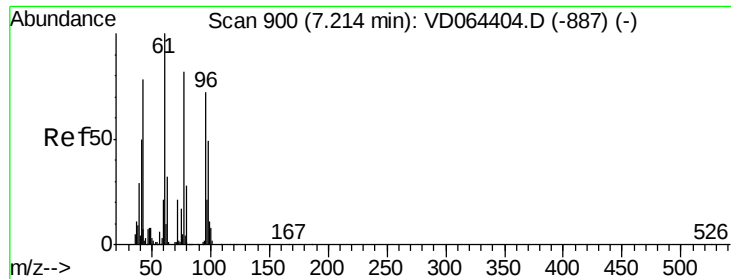
Tgt Ion: 77 Resp: 157134

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

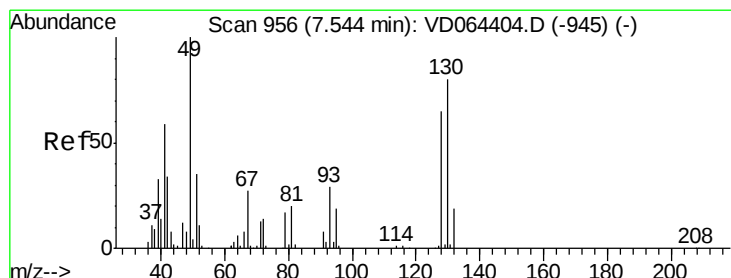
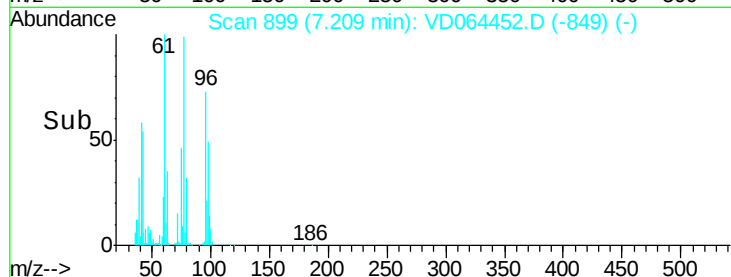
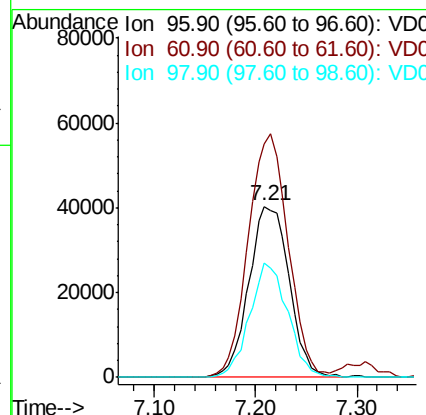
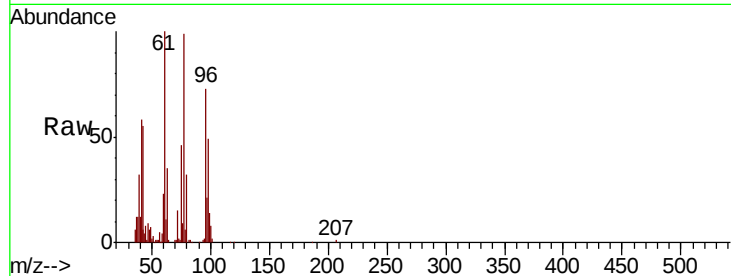
cis-1,2-Dichloroethene  
Concen: 20.402 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 140.0 | 0.0   | 279.6 |
| 98      | 62.7  | 0.0   | 129.2 |

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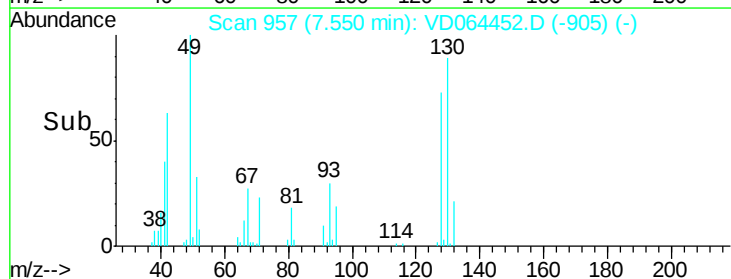
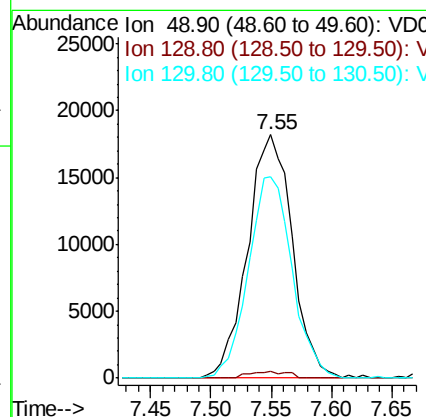
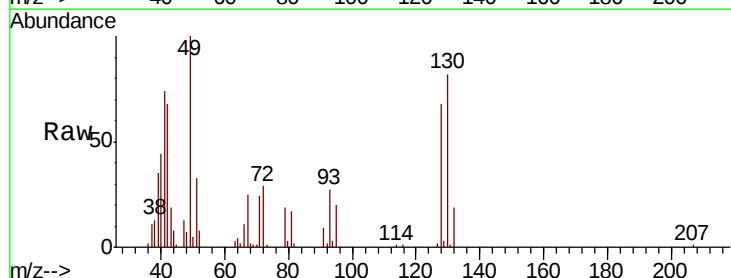
apatel  
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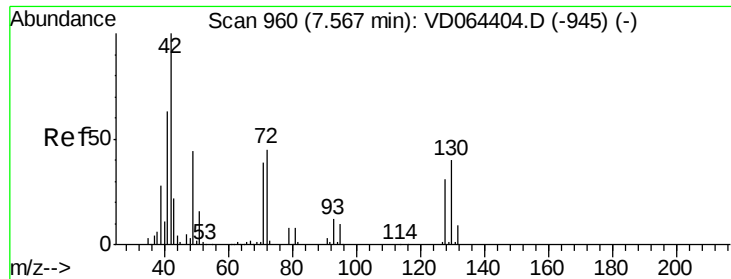


#28

Bromochloromethane  
Concen: 16.600 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 4.4   |
| 130     | 81.1  | 67.4  | 101.0 |





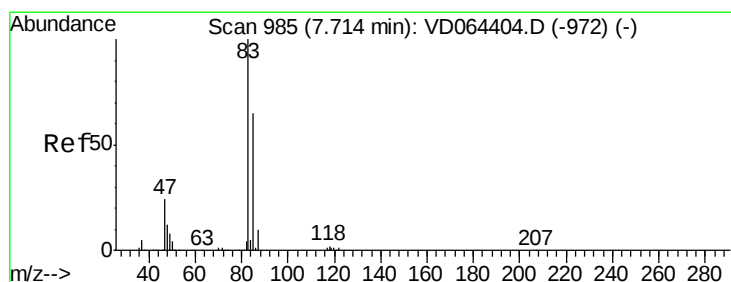
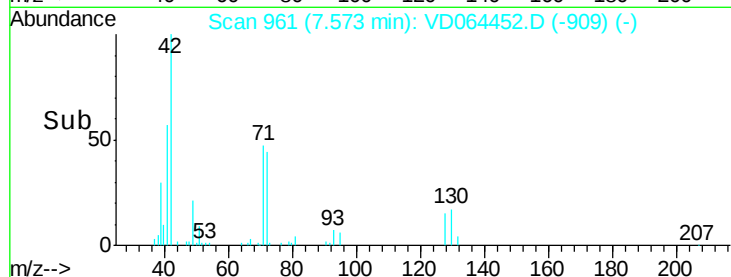
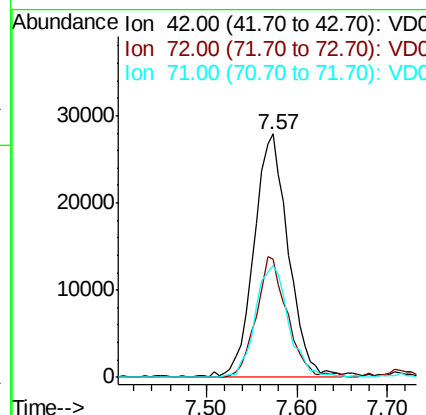
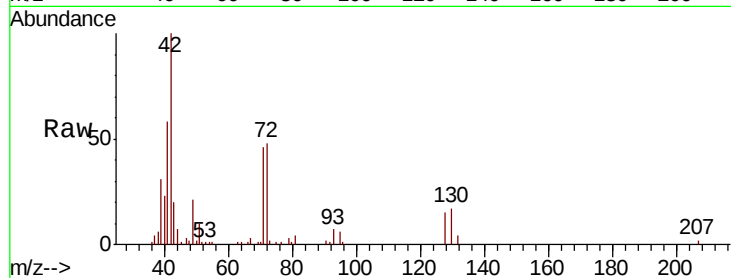
#29  
Tetrahydrofuran  
Concen: 90.203 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.0  | 35.8  | 53.8  |
| 71      | 44.6  | 32.7  | 49.1  |

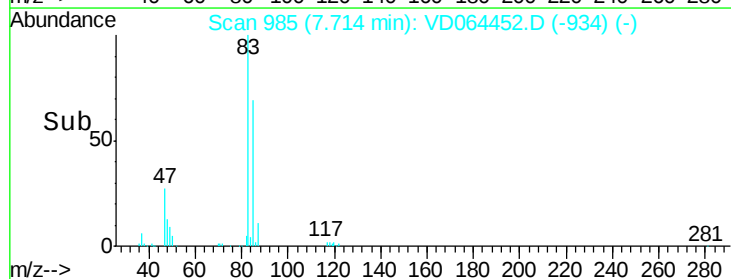
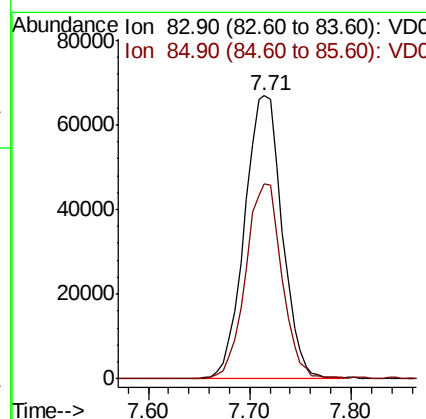
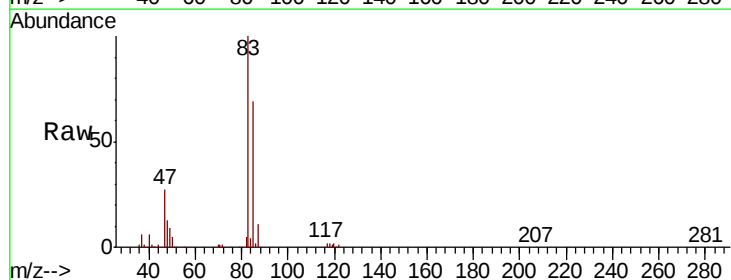
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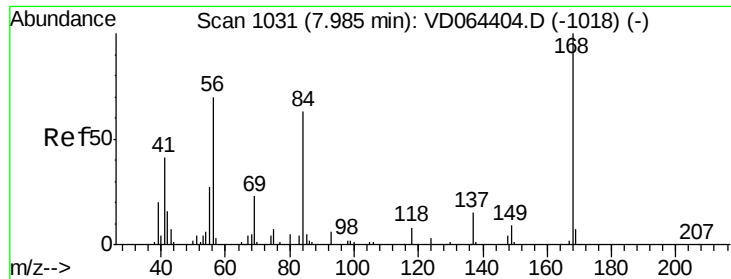
apatel  
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#30  
Chloroform  
Concen: 20.138 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.1  | 51.8  | 77.6  |





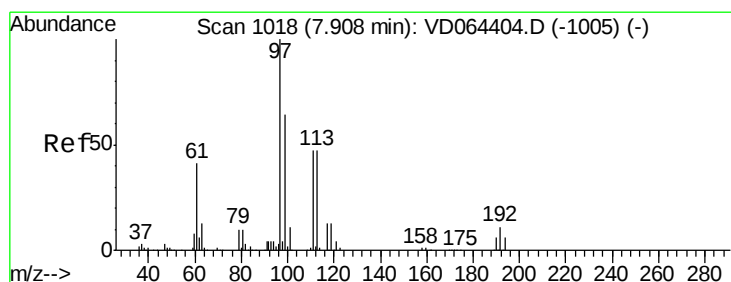
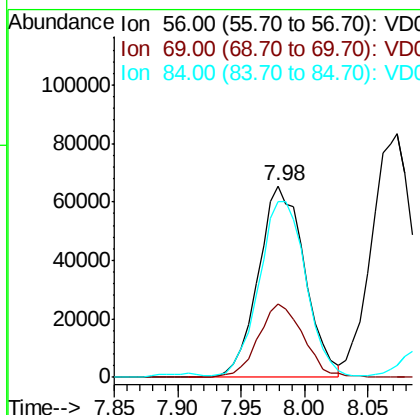
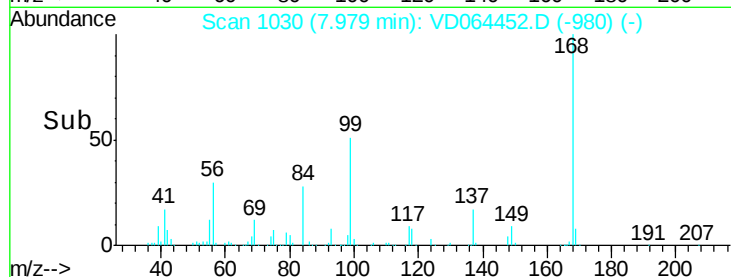
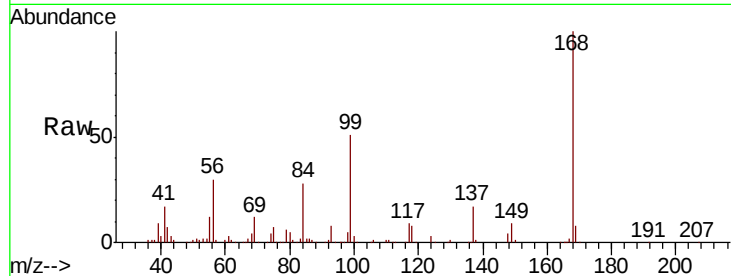
#31  
Cyclohexane  
Concen: 20.387 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.3  | 26.2  | 39.4  |
| 84      | 90.2  | 70.3  | 105.5 |

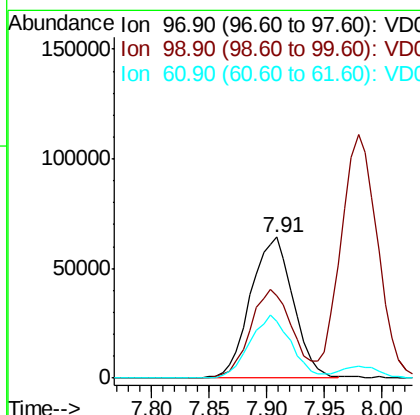
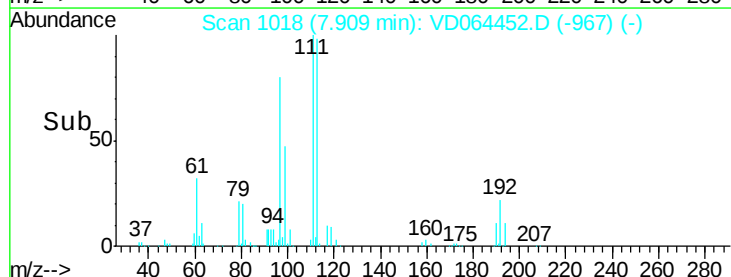
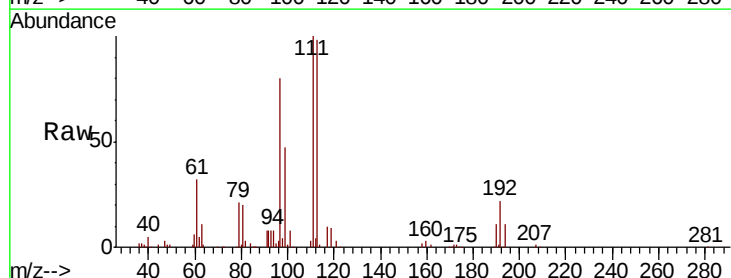
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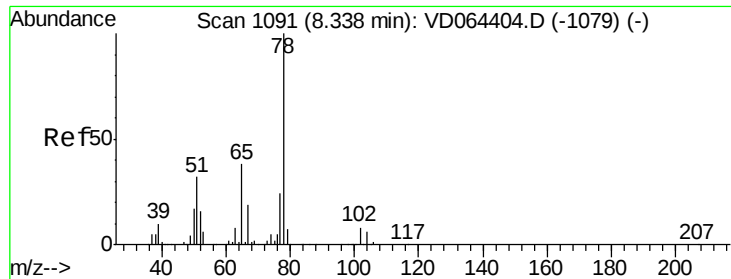
apatel  
12/9/2019 2:03:51 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.878 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.5  | 51.4  | 77.2  |
| 61      | 43.2  | 35.0  | 52.4  |





#33

1,2-Dichloroethane-d4

Concen: 48.702 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleID :

VD1206SBS01

Tot Ion: 65 Resp: 217764

Ion Ratio Lower Upper

65 100

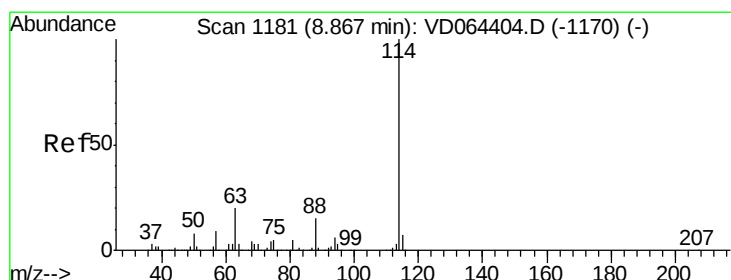
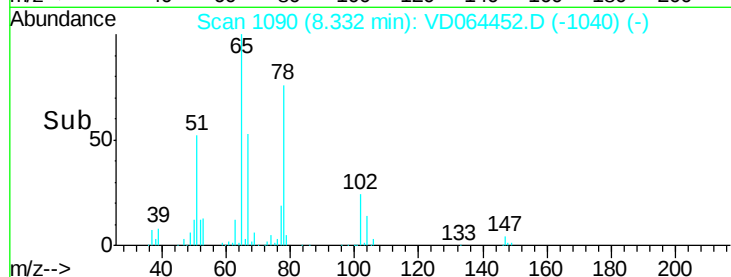
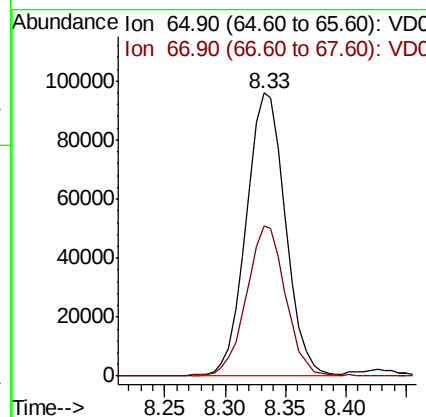
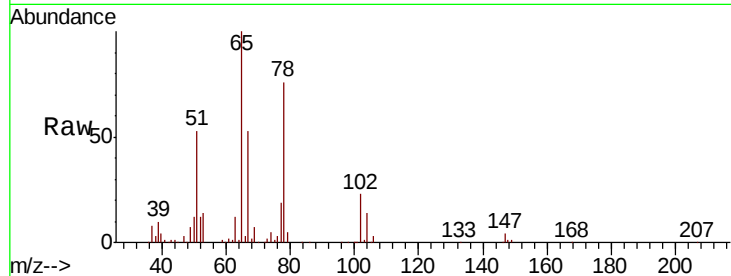
67 53.1 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

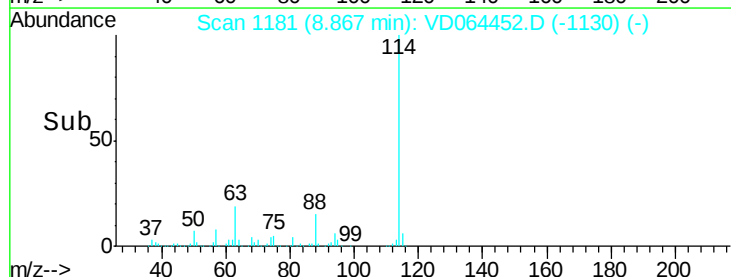
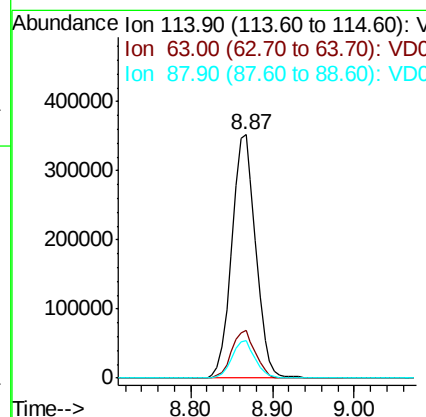
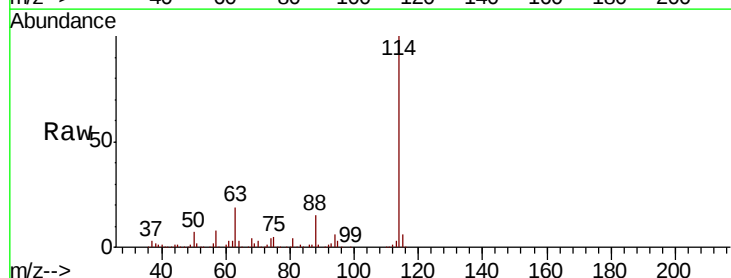
Tgt Ion: 114 Resp: 716101

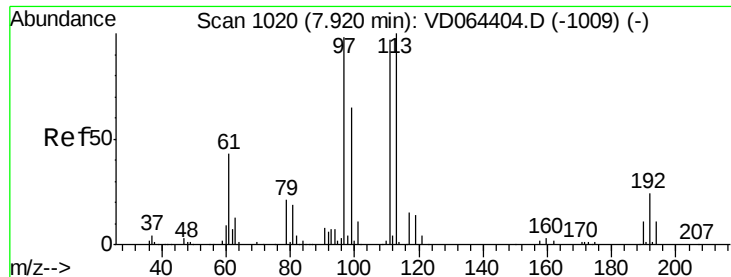
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.3 0.0 29.2





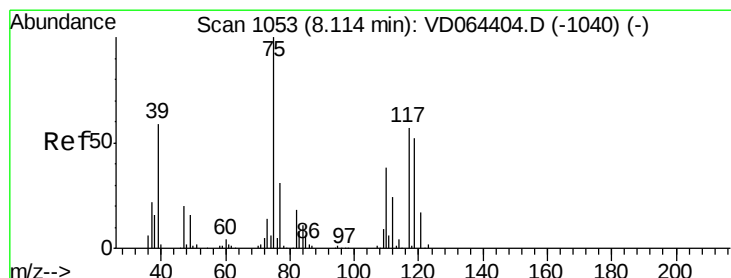
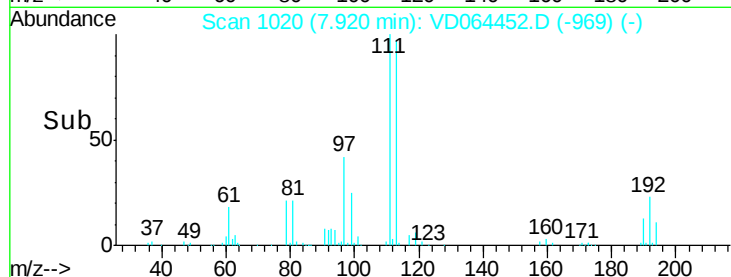
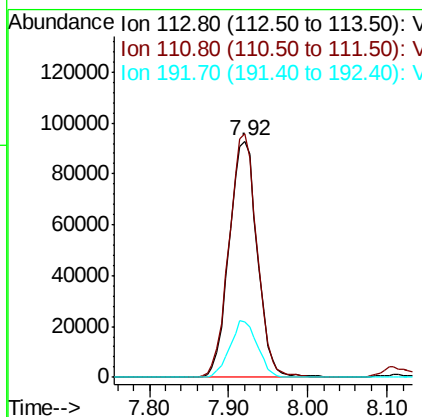
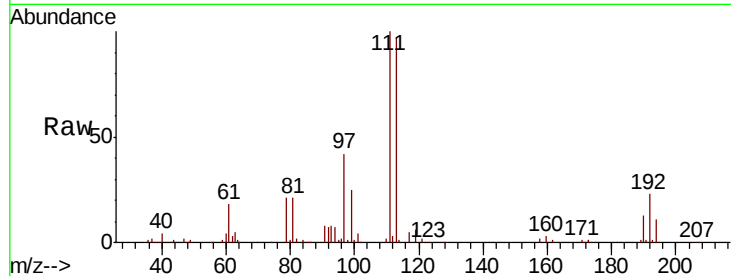
#35  
 Dibromofluoromethane  
 Concen: 50.566 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 79.4  | 119.2 |
| 192     | 23.4  | 18.6  | 28.0  |

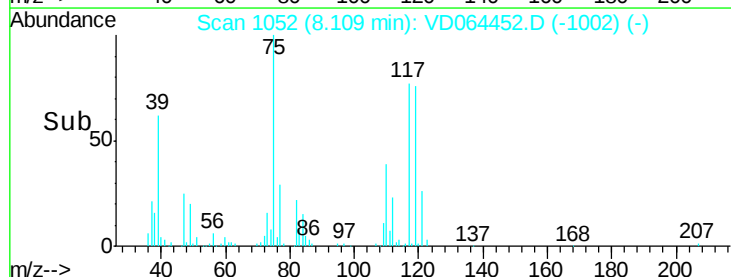
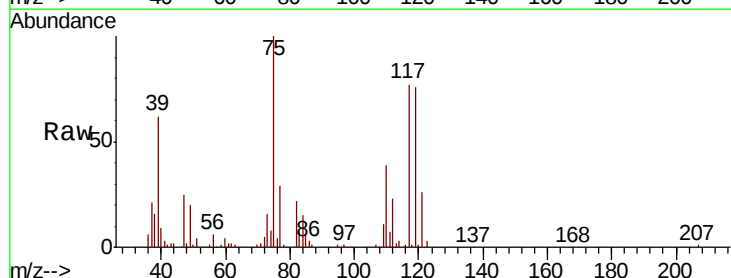
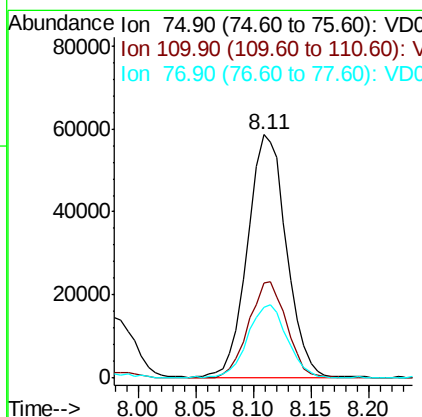
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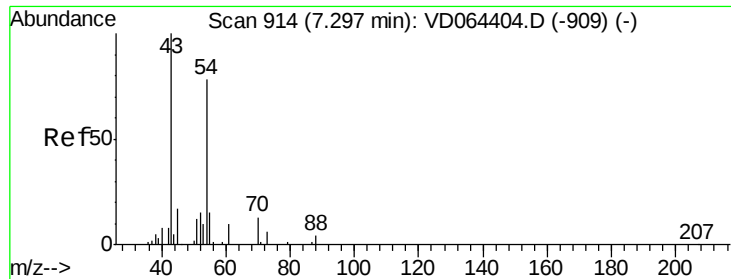
apatel  
 12/9/2019 2:03:51 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.199 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 39.0  | 18.6  | 55.8  |
| 77      | 30.9  | 25.0  | 37.4  |





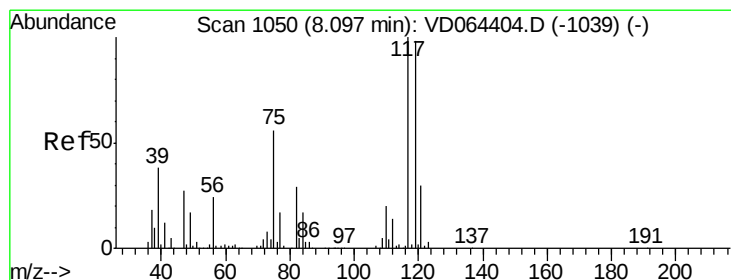
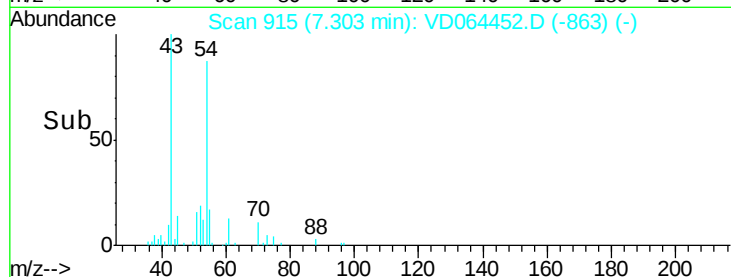
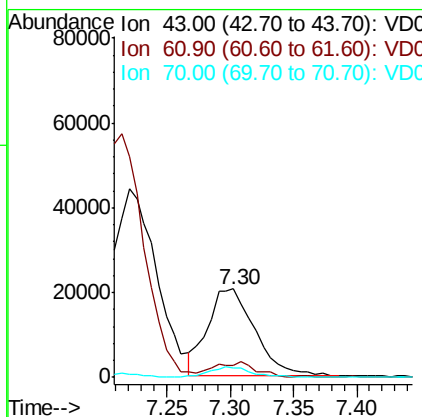
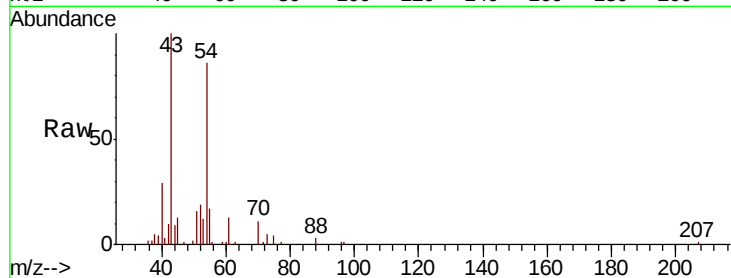
#37  
Ethyl Acetate  
Concen: 18.562 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.4  | 10.9  | 16.3  |
| 70      | 10.8  | 8.3   | 12.5  |

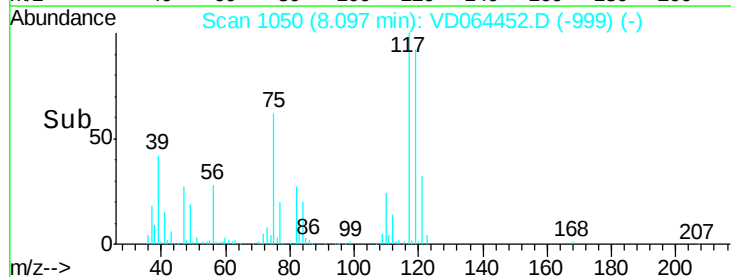
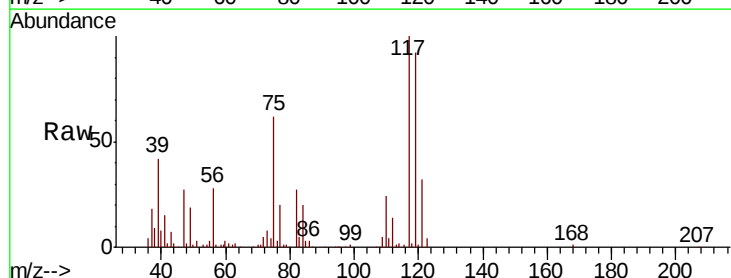
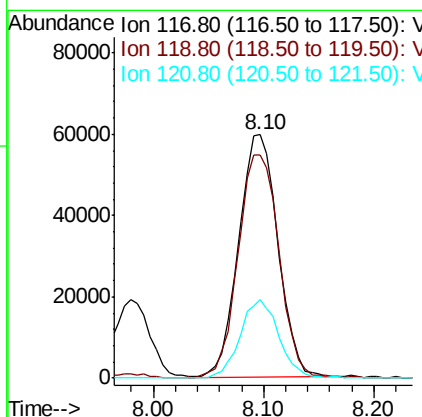
Manual Integrations  
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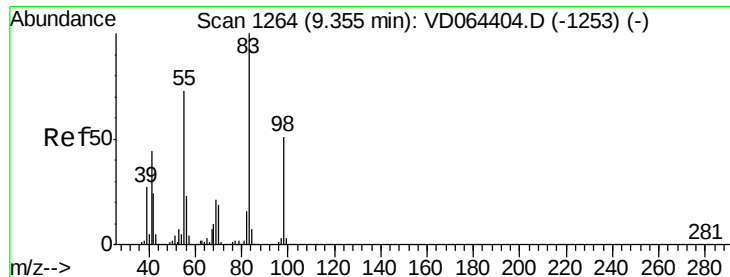
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#38  
Carbon Tetrachloride  
Concen: 20.881 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.1  | 78.8  | 118.2 |
| 121     | 32.6  | 24.2  | 36.2  |





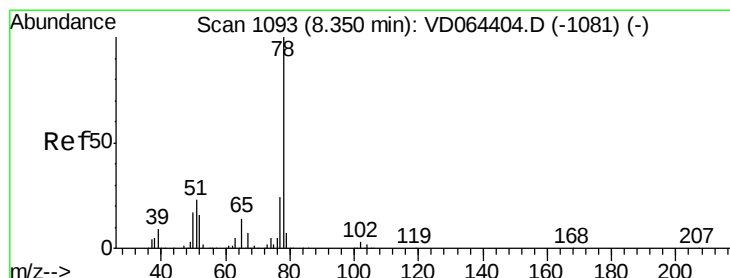
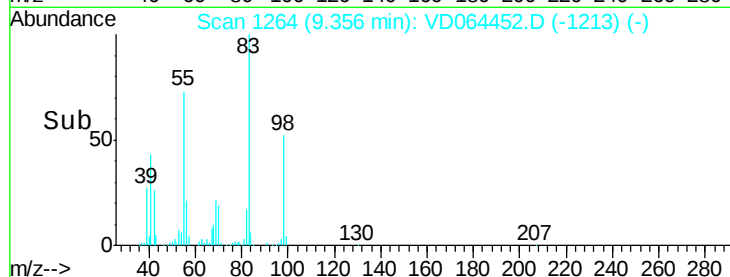
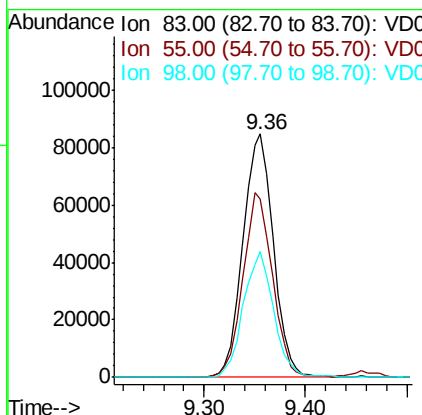
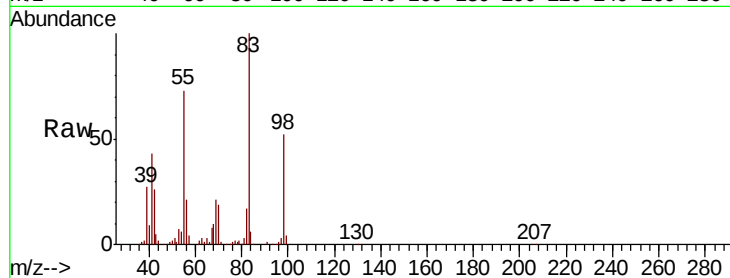
#39  
Methvlcvclohexane  
Concen: 21.058 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.4  | 58.6  | 87.8  |
| 98      | 51.7  | 40.9  | 61.3  |

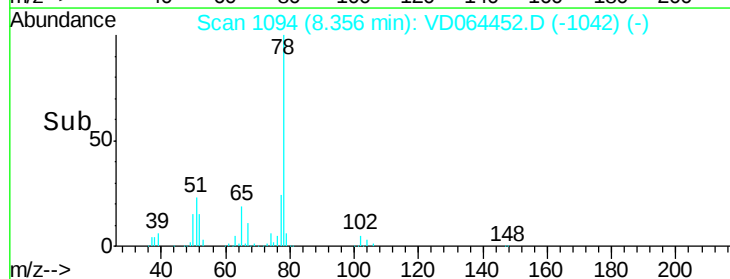
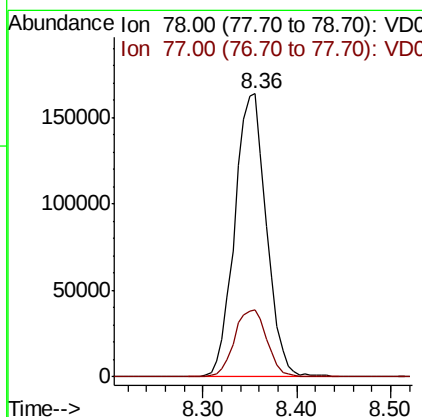
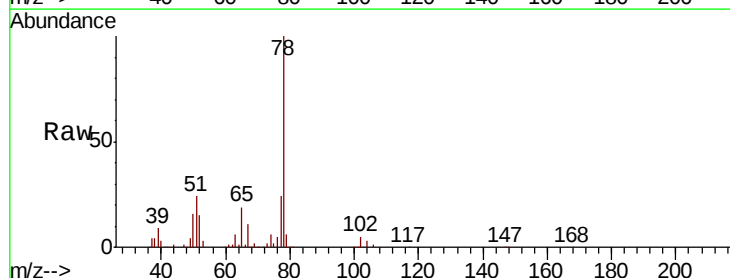
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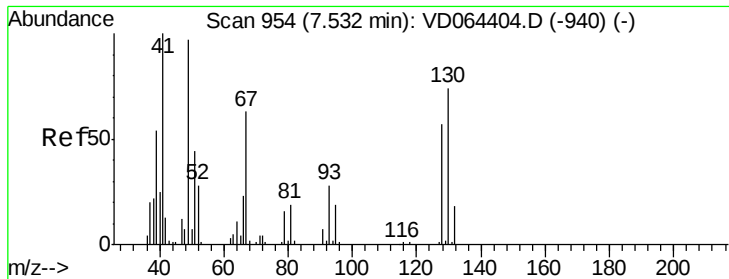
apatel  
12/9/2019 2:03:51 PM



#40  
Benzene  
Concen: 20.362 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.6  | 29.4  |





#41

Methacrylonitrile

Concen: 18.861 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 41 Resp: 31087

Ion Ratio Lower Upper

41 100

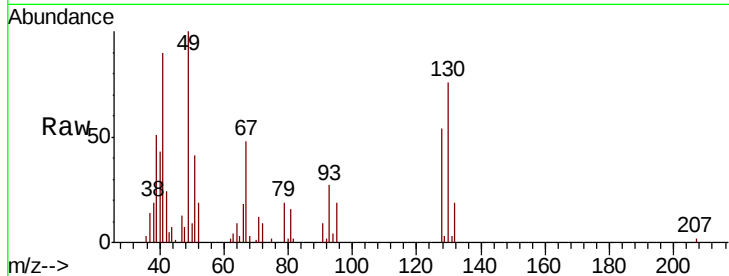
39 67.5 44.6 67.0#

67 78.6 50.9 76.3#

52 32.4 22.5 33.7

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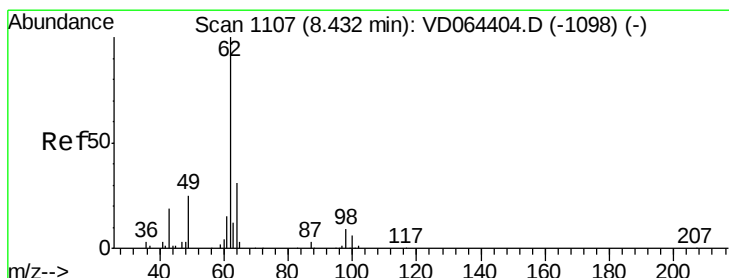
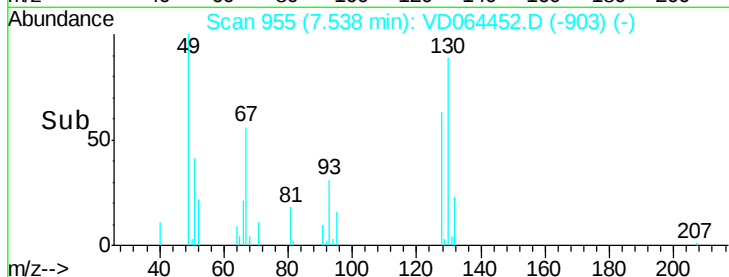
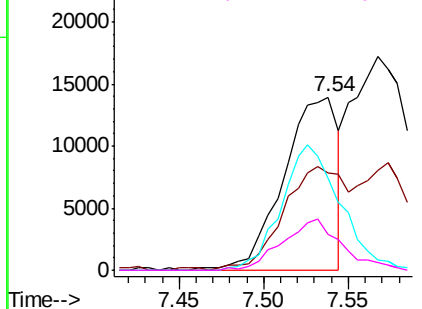


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.941 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064452.D

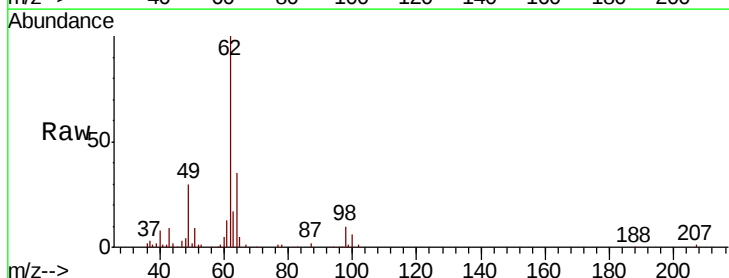
Acq: 06 Dec 2019 12:06

Tgt Ion: 62 Resp: 109400

Ion Ratio Lower Upper

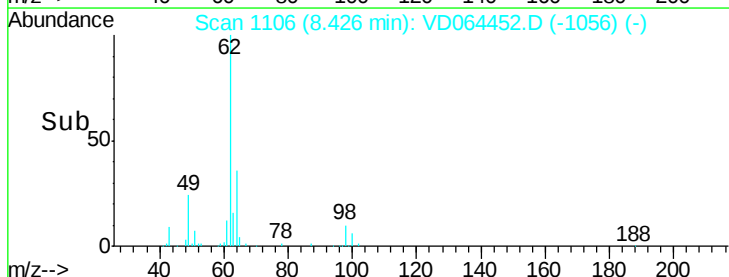
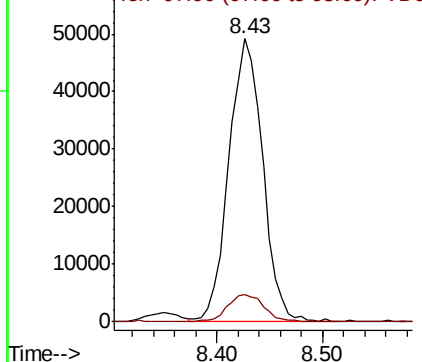
62 100

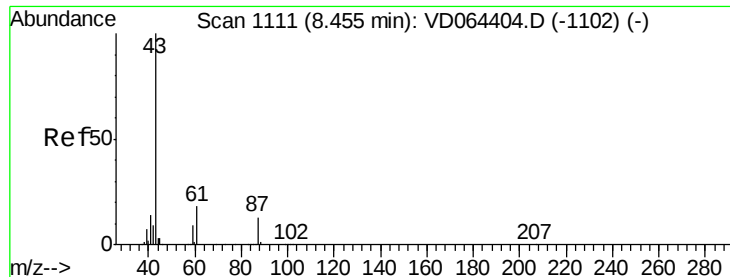
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

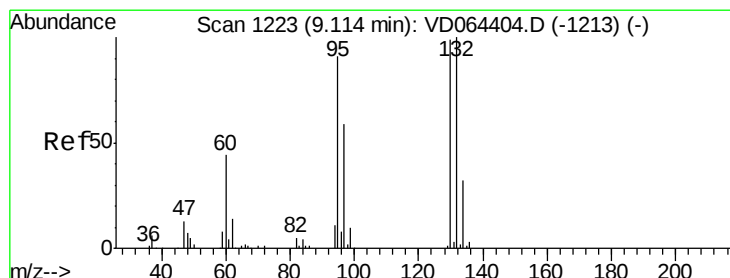
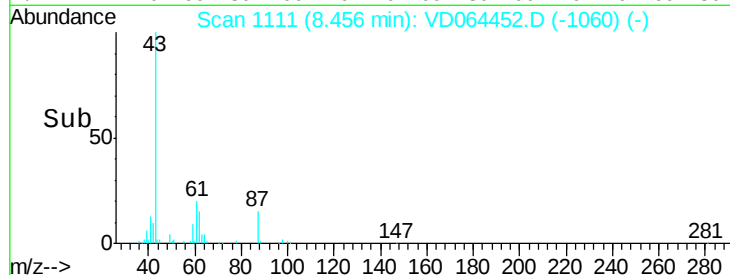
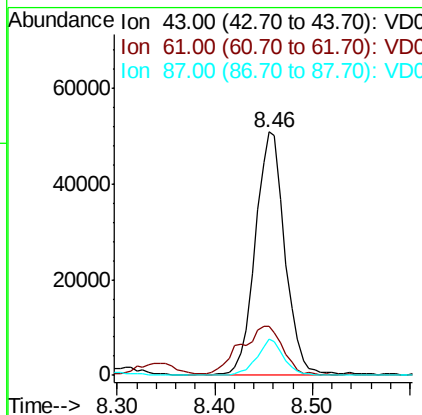
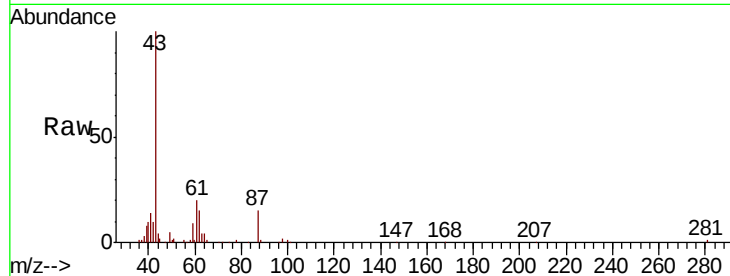
Isopropyl Acetate  
 Concen: 19.225 ug/l  
 RT: 8.46 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.2  | 24.0  | 36.0  |
| 87      | 13.3  | 10.6  | 15.8  |

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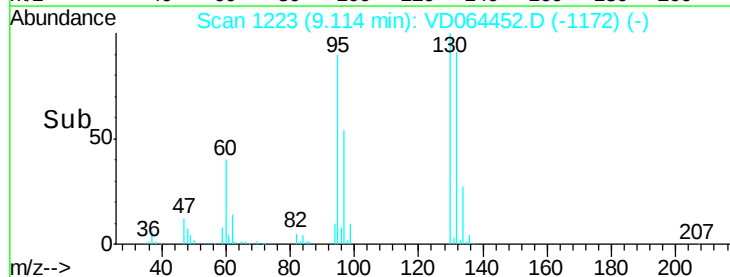
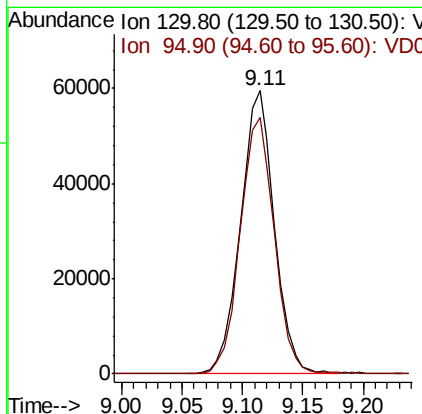
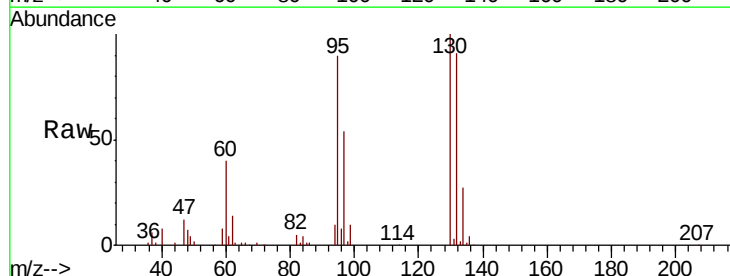
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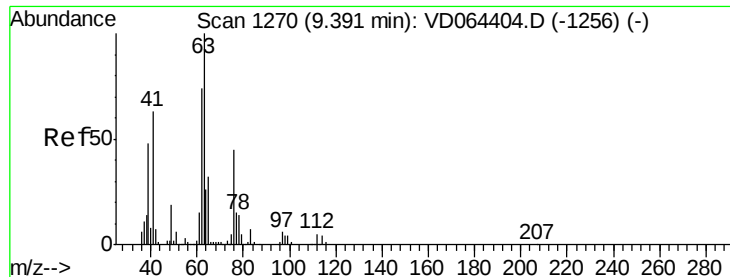


#44

Trichloroethene  
 Concen: 20.498 ug/l  
 RT: 9.11 min Scan# 1223  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 90.5  | 0.0   | 184.6 |





#45

1,2-Dichloropropane

Concen: 20.480 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 63 Resp: 92141

Ion Ratio Lower Upper

63 100

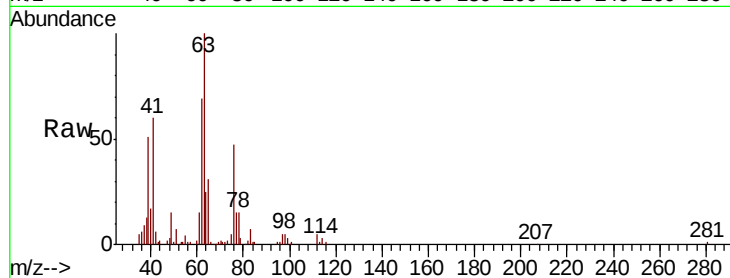
65 30.7 25.4 38.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

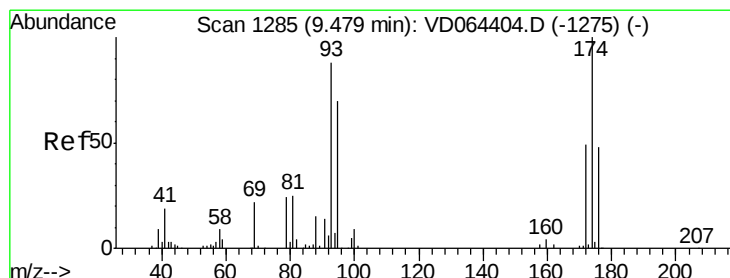
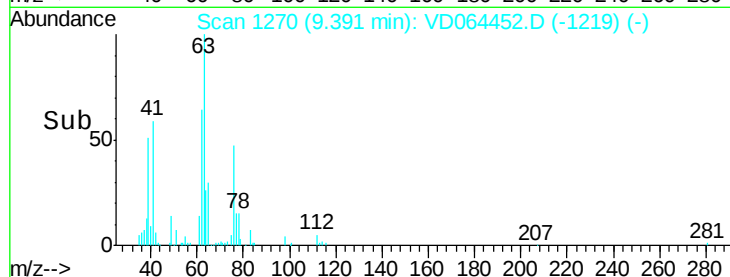
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.733 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

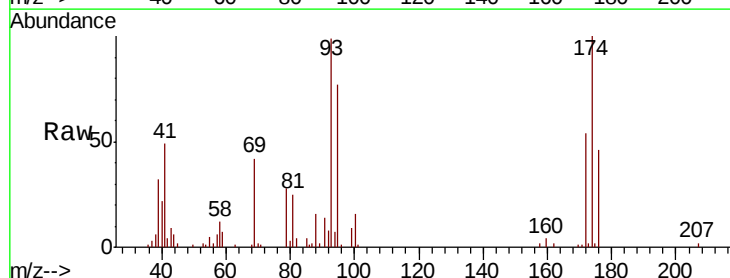
Tgt Ion: 93 Resp: 50108

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

174 115.5 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

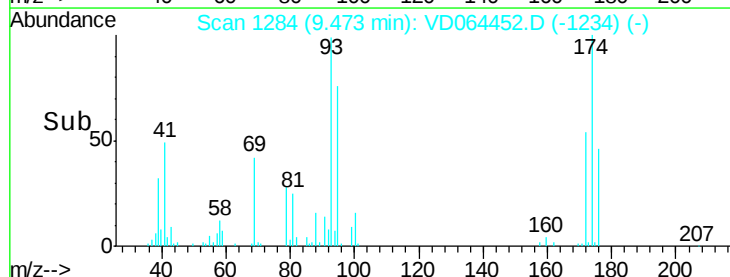
30000

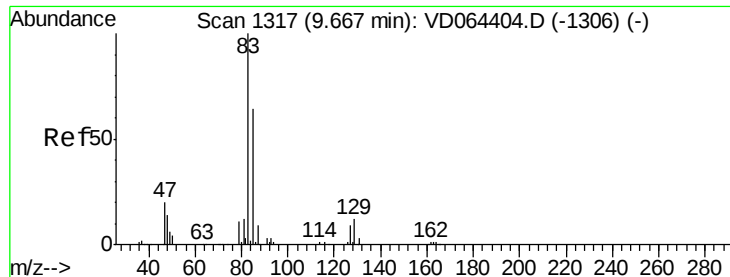
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 20.140 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

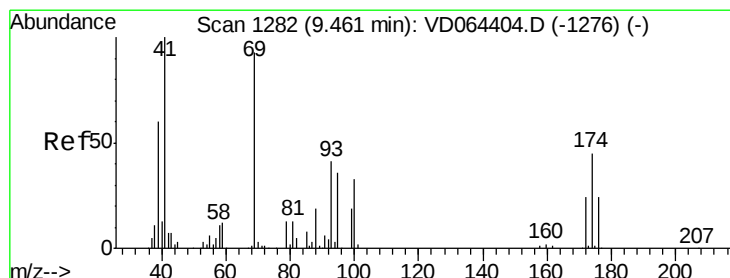
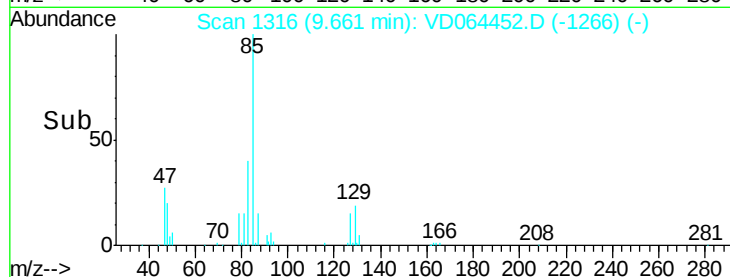
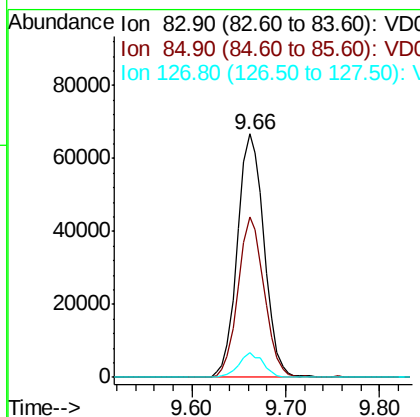
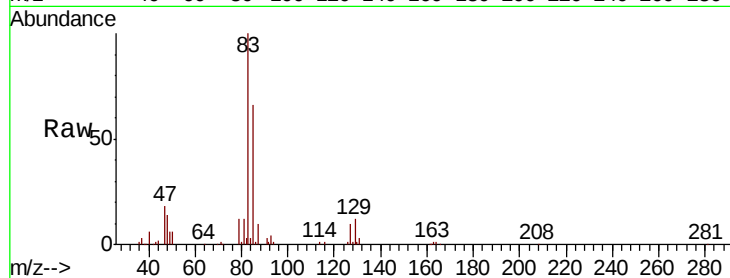
ClientSampleId :

VD1206SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 131407 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.9  | 51.1  | 76.7   |
| 127      | 10.1  | 7.4   | 11.0   |

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#48

Methyl methacrylate

Concen: 18.886 ug/l

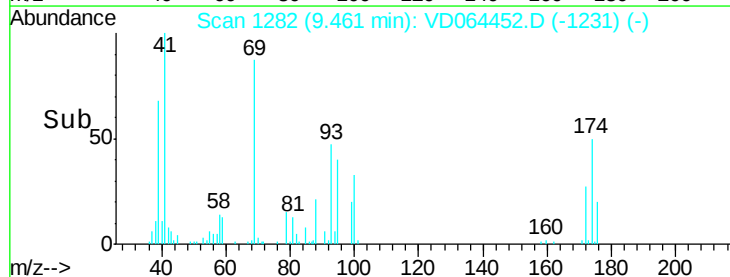
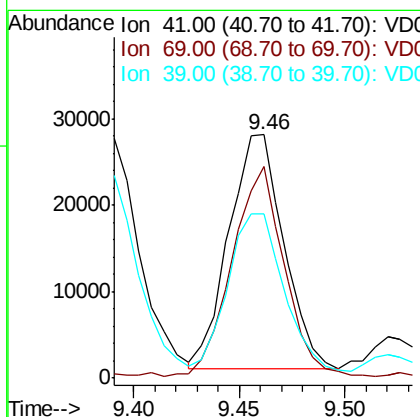
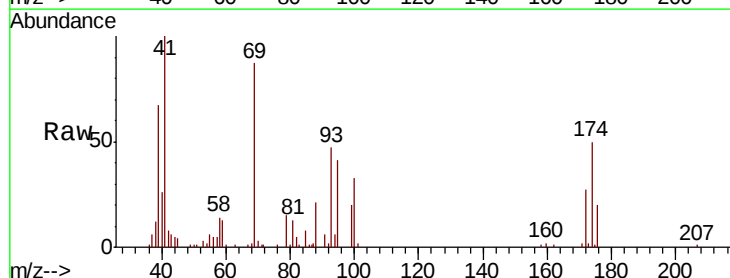
RT: 9.46 min Scan# 1282

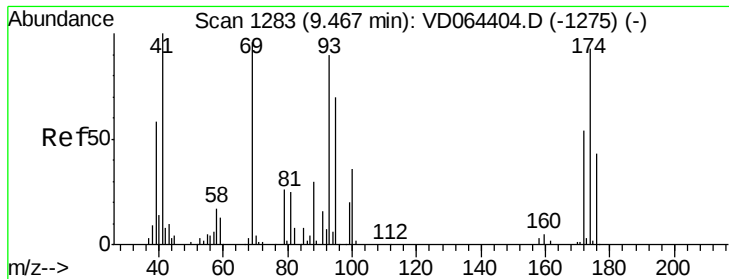
Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 48836 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 86.2  | 72.0  | 108.0 |
| 39       | 68.7  | 55.2  | 82.8  |





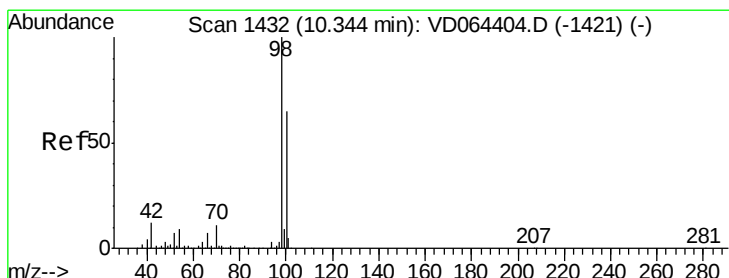
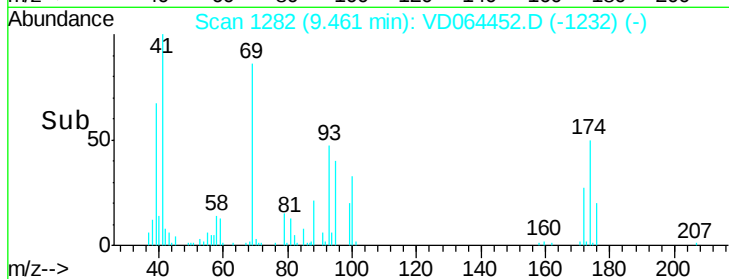
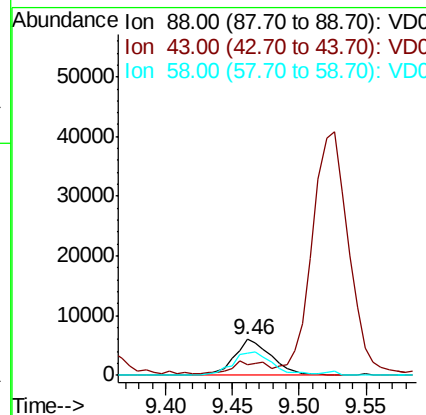
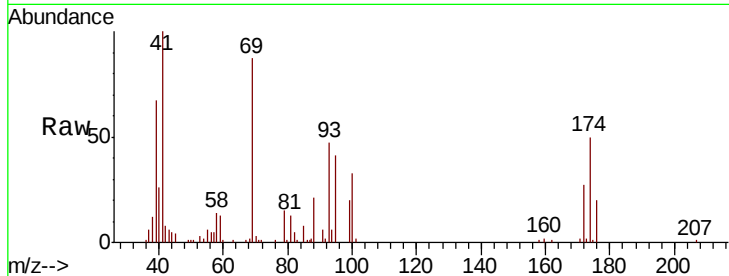
#49  
1,4-Dioxane  
Concen: 376.252 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.1  | 26.7  | 40.1  |
| 58      | 68.9  | 52.3  | 78.5  |

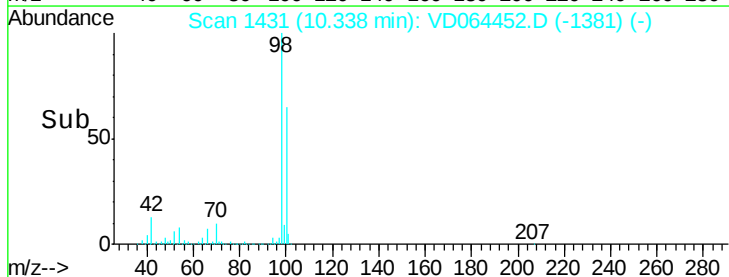
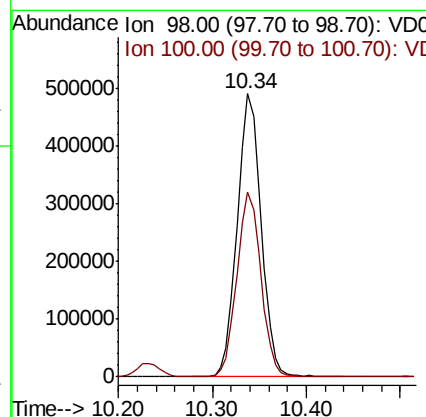
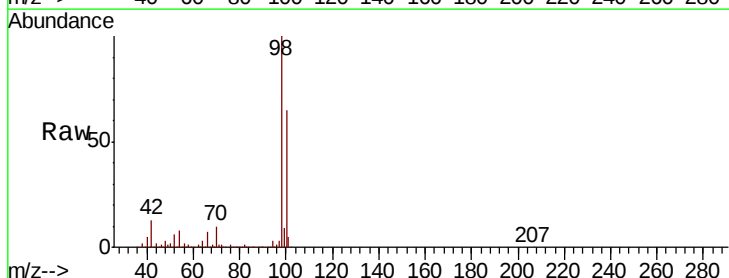
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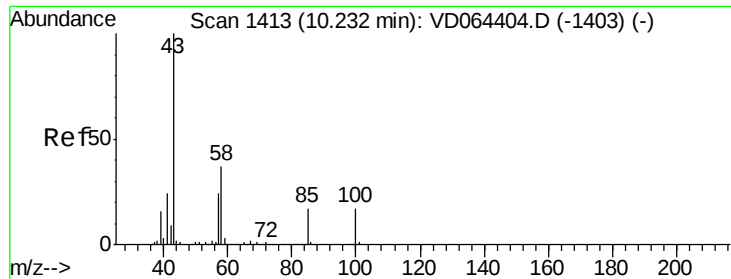
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#50  
Toluene-d8  
Concen: 51.149 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.7  | 52.6  | 79.0  |





#51

4-Methyl-2-Pentanone

Concen: 93.707 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 262008

Ion Ratio Lower Upper

43 100

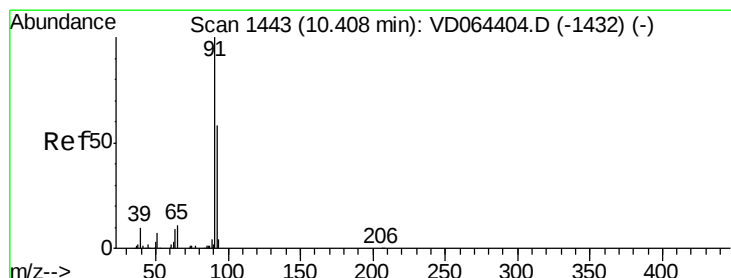
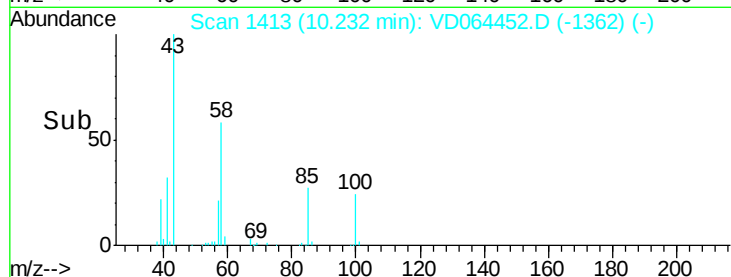
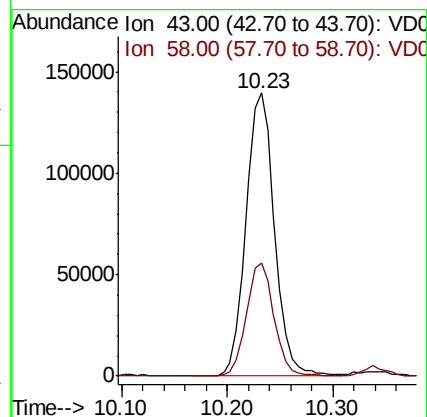
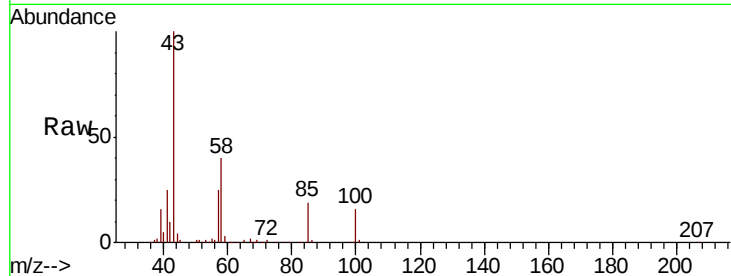
58 38.7 30.6 46.0

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#52

Toluene

Concen: 20.310 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064452.D

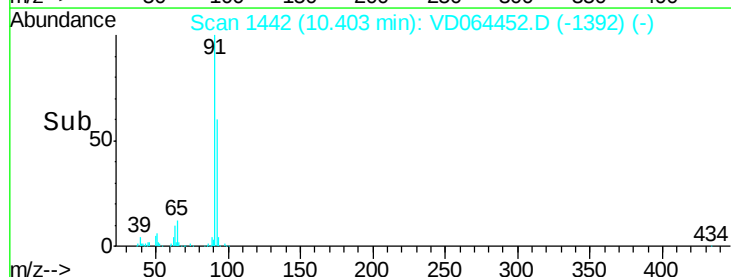
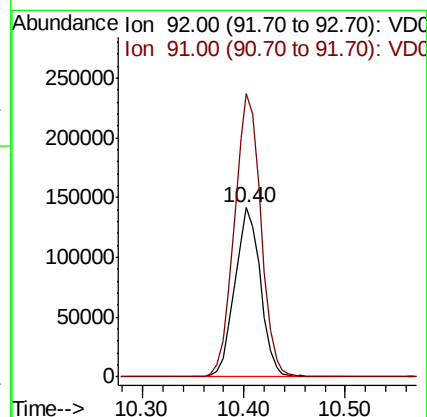
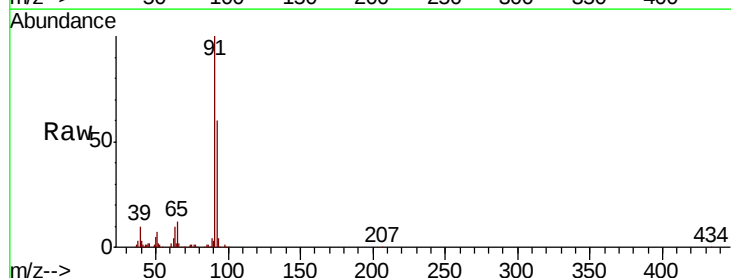
Acq: 06 Dec 2019 12:06

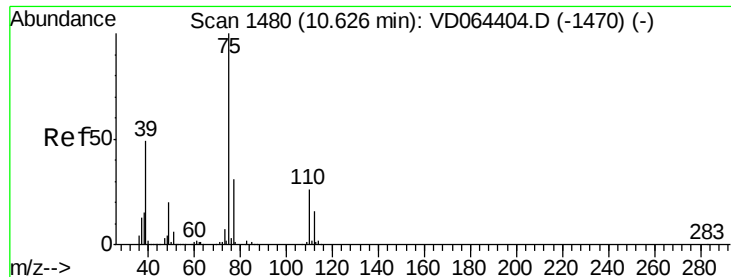
Tgt Ion: 92 Resp: 248999

Ion Ratio Lower Upper

92 100

91 173.1 137.8 206.6





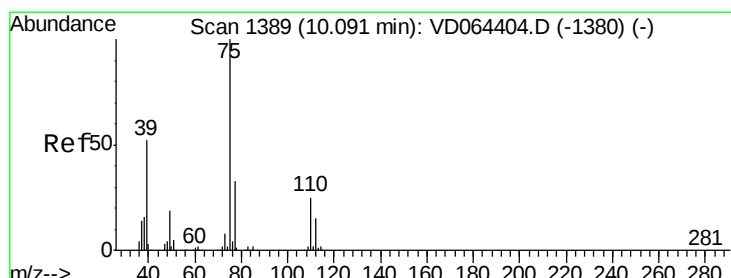
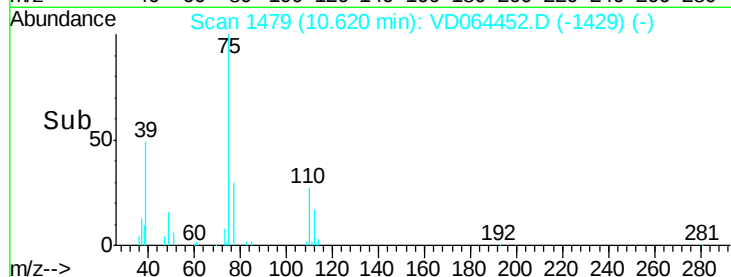
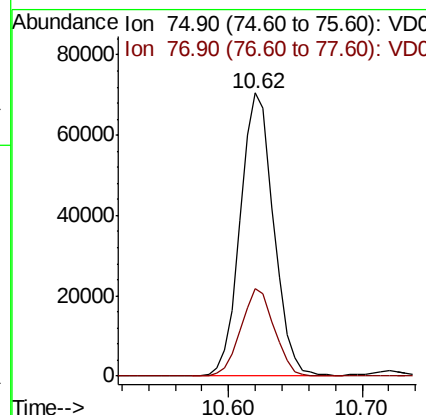
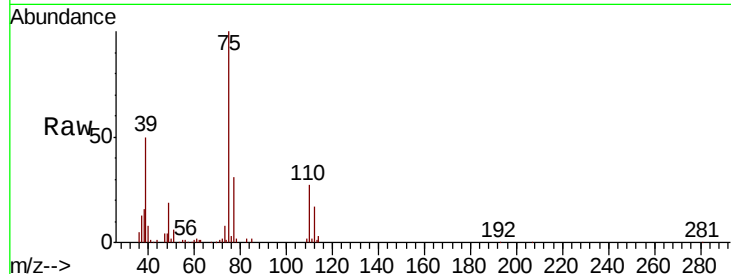
#53  
 t-1,3-Dichloropropene  
 Concen: 19.693 ug/l  
 RT: 10.62 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 25.0  | 37.4  |

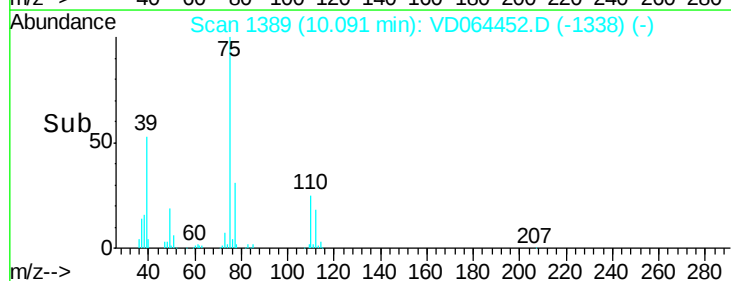
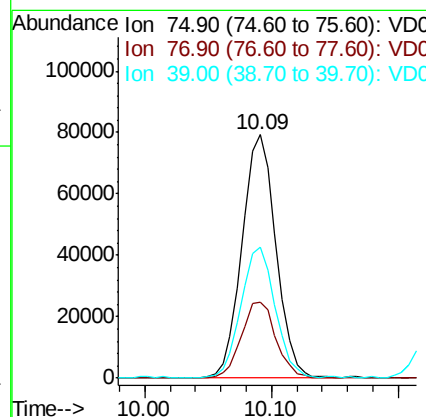
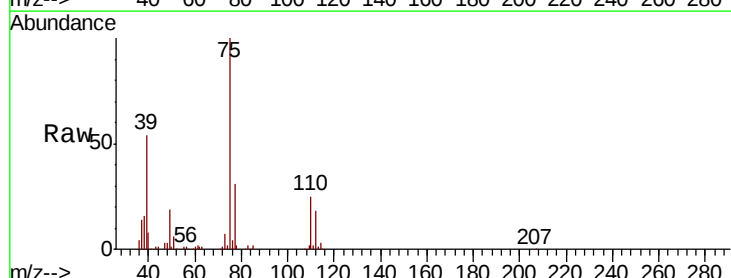
Manual Integrations  
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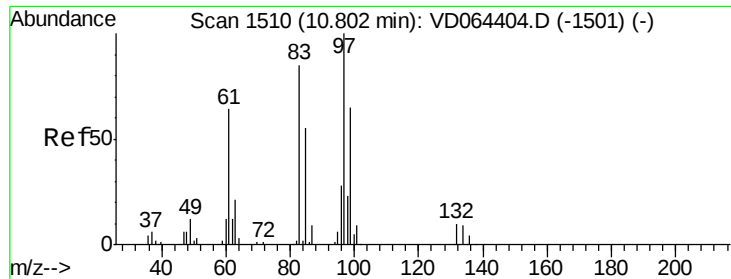
apatel  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 19.960 ug/l  
 RT: 10.09 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 26.1  | 39.1  |
| 39      | 53.6  | 41.5  | 62.3  |





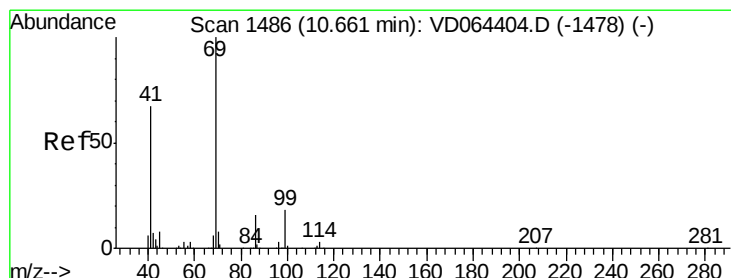
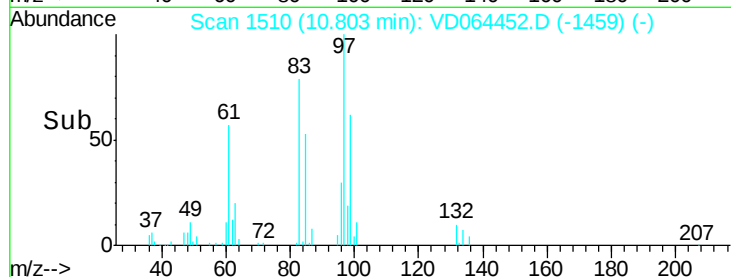
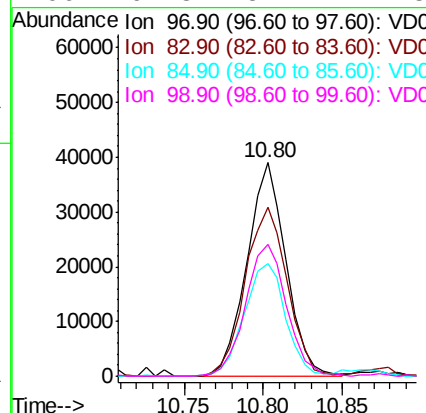
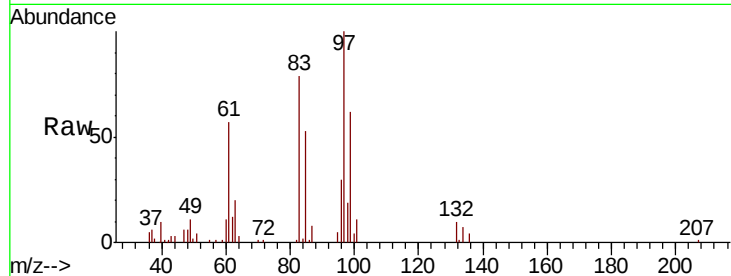
#55  
 1,1,2-Trichloroethane  
 Concen: 19.097 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 79.4  | 67.8  | 101.8 |
| 85      | 52.9  | 43.7  | 65.5  |
| 99      | 61.8  | 51.7  | 77.5  |

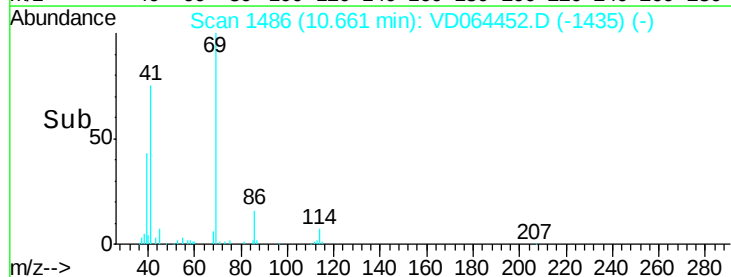
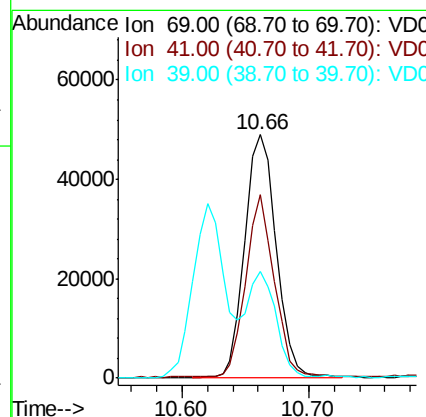
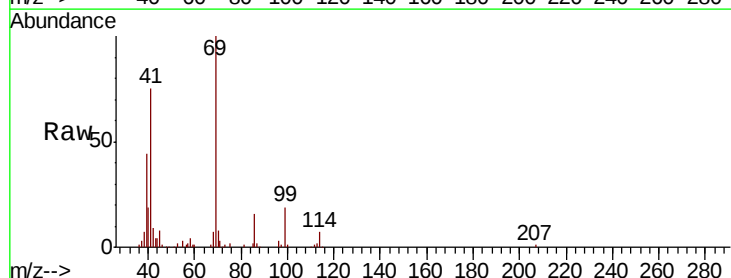
Manual Integrations  
 APPROVED

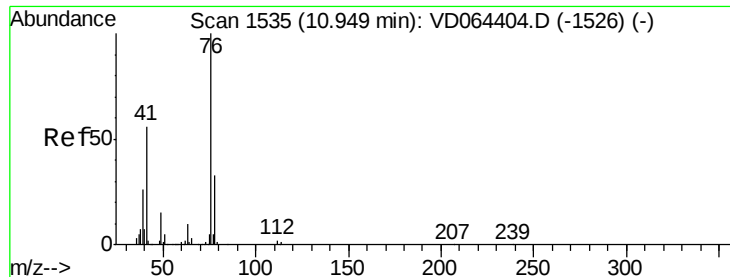
apatel  
 12/9/2019 2:03:51 PM



#56  
 Ethyl methacrylate  
 Concen: 19.211 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 67.1  | 55.0  | 82.4  |
| 39      | 40.0  | 33.0  | 49.6  |





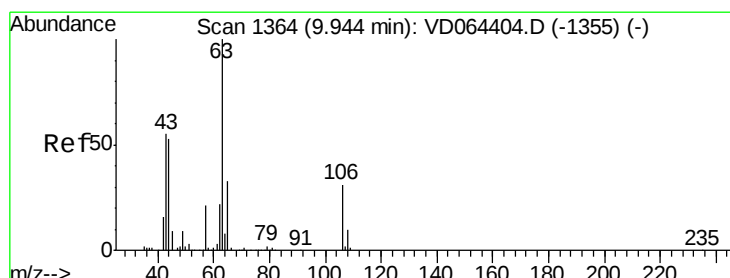
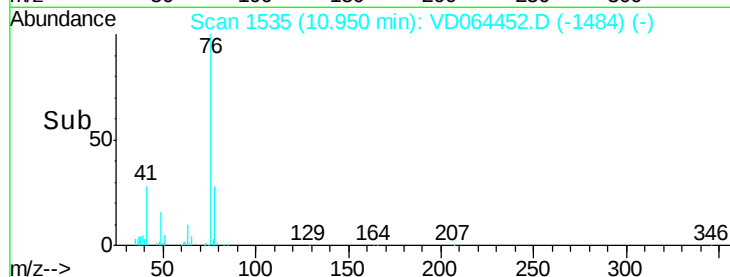
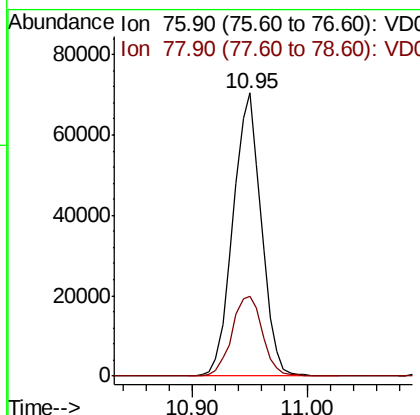
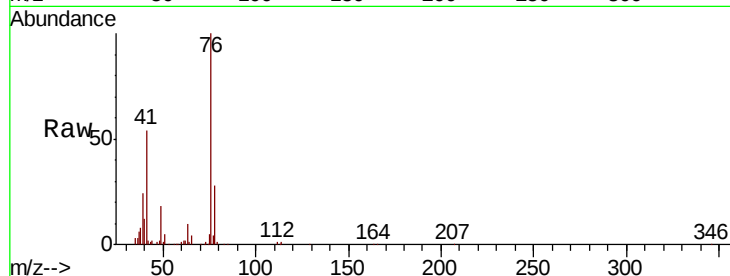
#57  
 1,3-Dichloropropane  
 Concen: 20.216 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBSD01

Tot Ion: 76 Resp: 119655  
 Ion Ratio Lower Upper  
 76 100  
 78 30.5 26.0 39.0

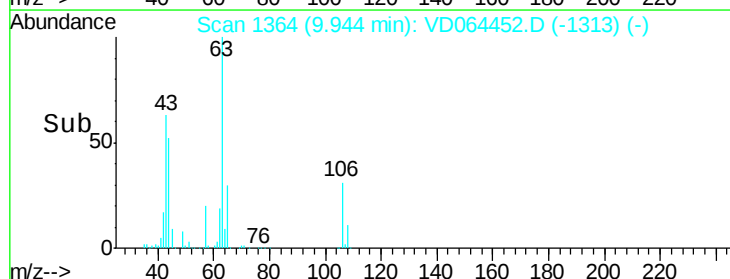
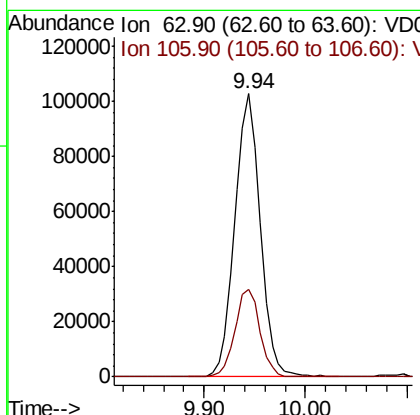
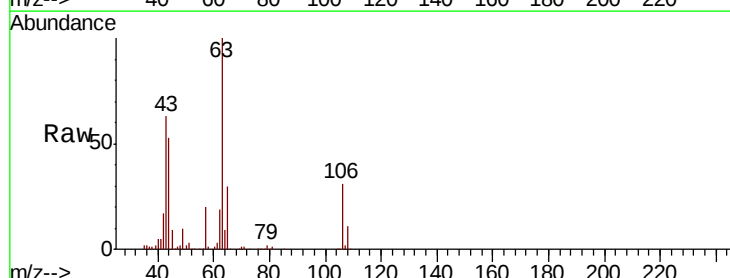
Manual Integrations  
 APPROVED

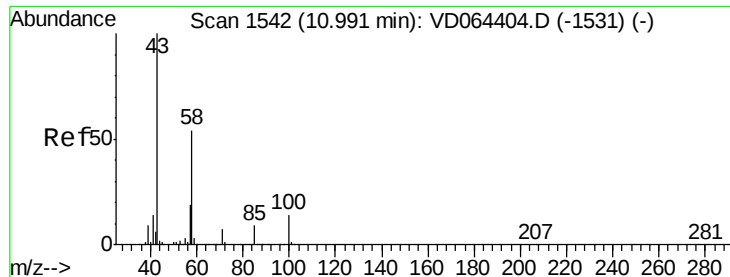
apatel  
 12/9/2019 2:03:51 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.622 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Tgt Ion: 63 Resp: 179653  
 Ion Ratio Lower Upper  
 63 100  
 106 30.2 24.2 36.4





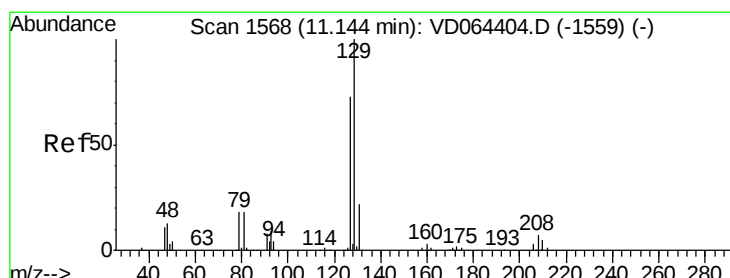
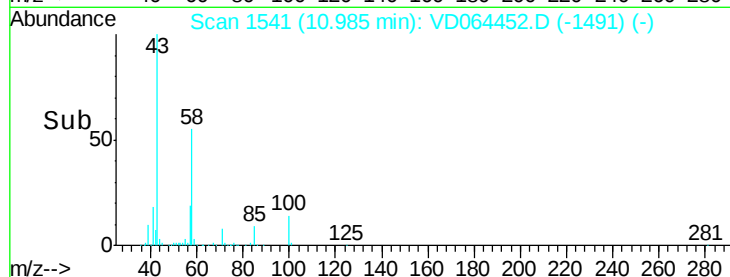
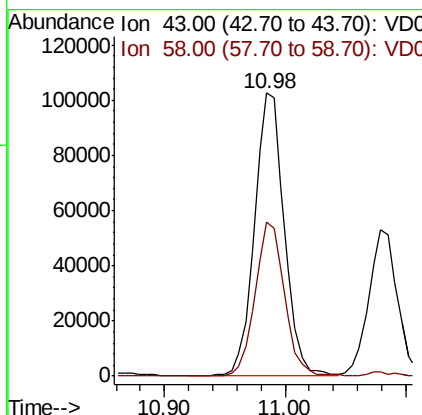
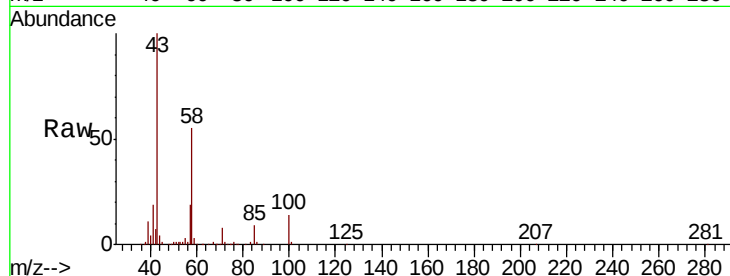
#59  
2-Hexanone  
Concen: 91.203 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

Tot Ion: 43 Resp: 176948  
Ion Ratio Lower Upper  
43 100  
58 53.7 26.3 78.8

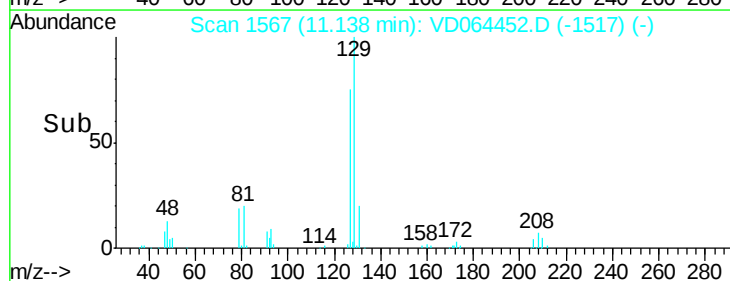
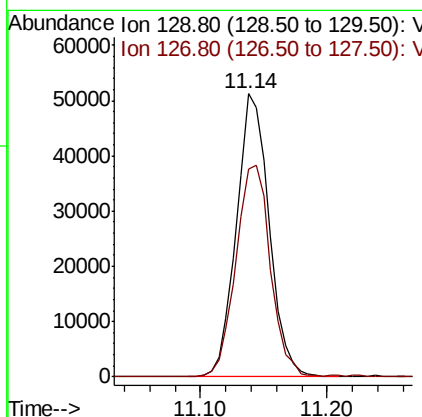
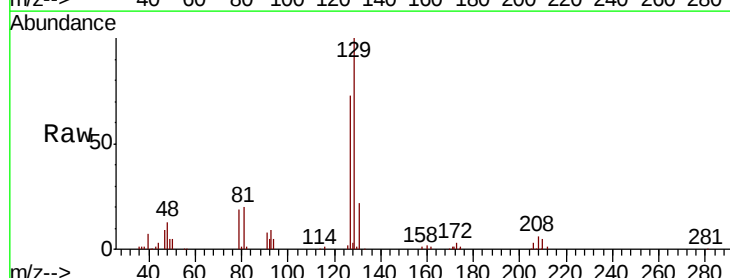
Manual Integrations  
APPROVED

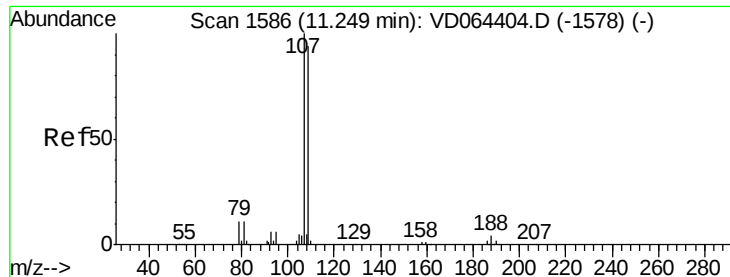
apatel  
12/9/2019 2:03:51 PM



#60  
Dibromochloromethane  
Concen: 19.465 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Tgt Ion: 129 Resp: 91765  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.066 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 107 Resp: 66192

Ion Ratio Lower Upper

107 100

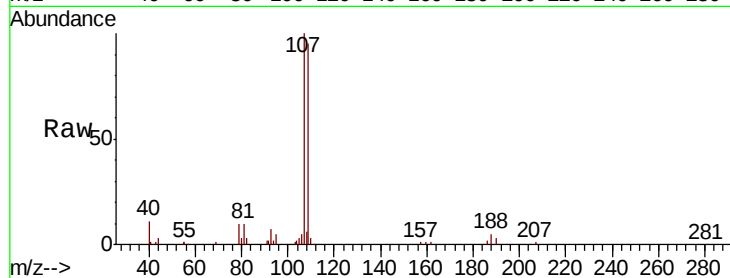
109 93.4 76.2 114.2

Manual Integrations

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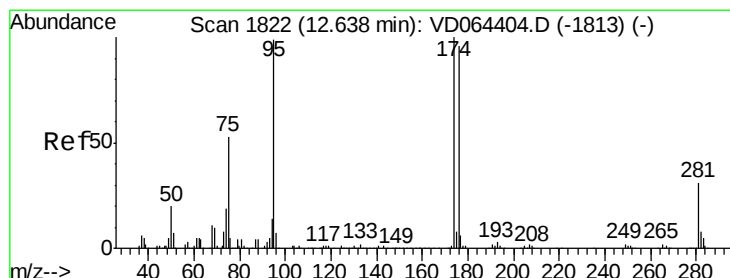
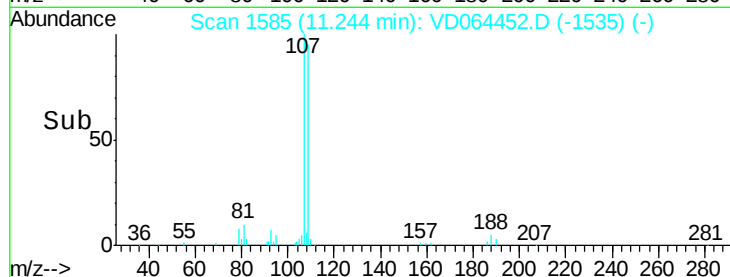
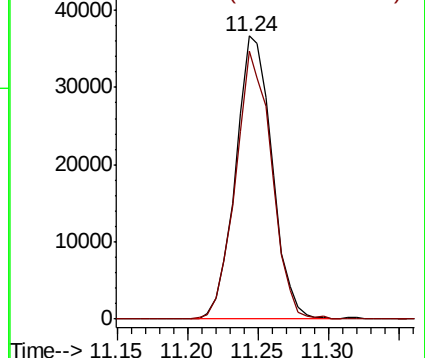
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.436 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

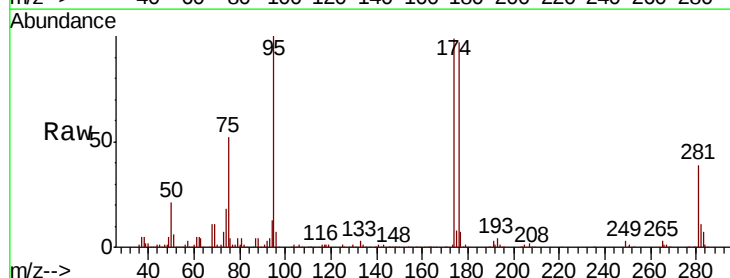
Tgt Ion: 95 Resp: 275472

Ion Ratio Lower Upper

95 100

174 97.2 0.0 197.2

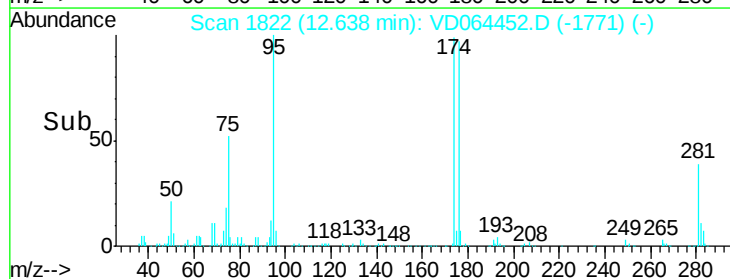
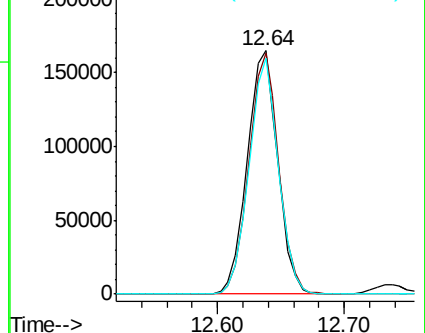
176 93.4 0.0 189.6

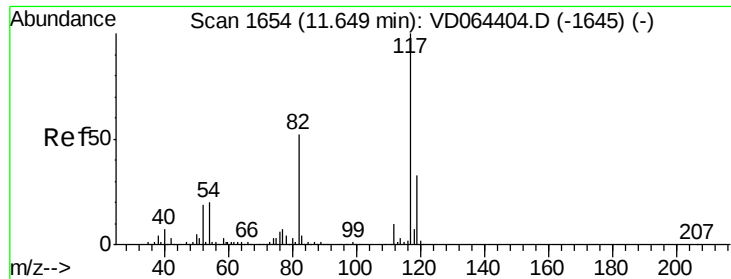


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





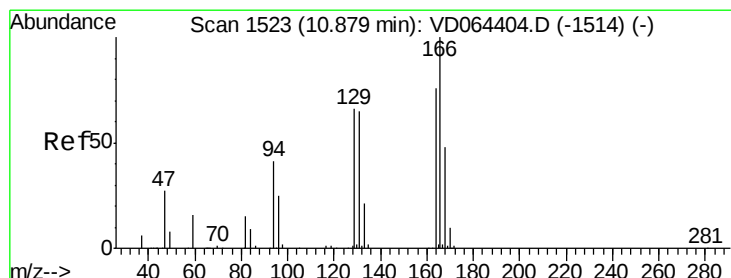
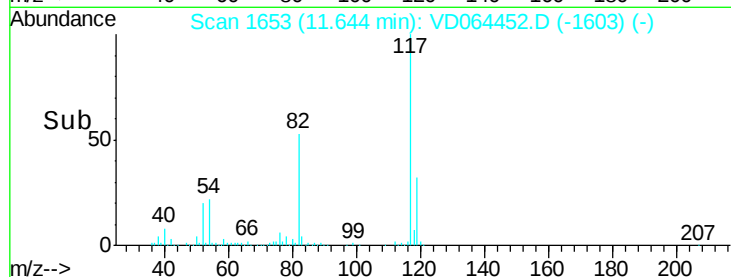
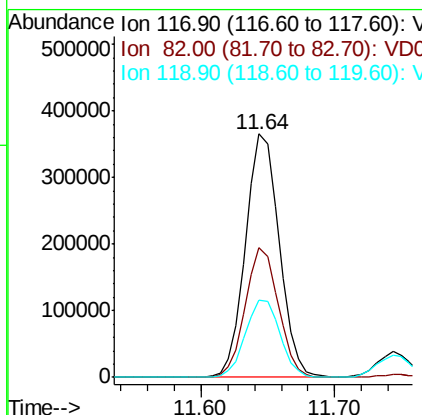
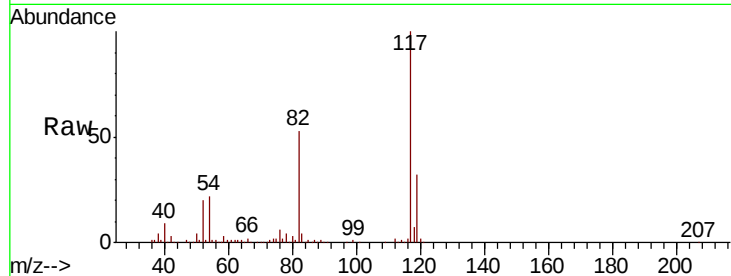
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 637323 |       |       |
| 82      | 53.1  |        | 41.4  | 62.2  |
| 119     | 31.6  |        | 26.2  | 39.2  |

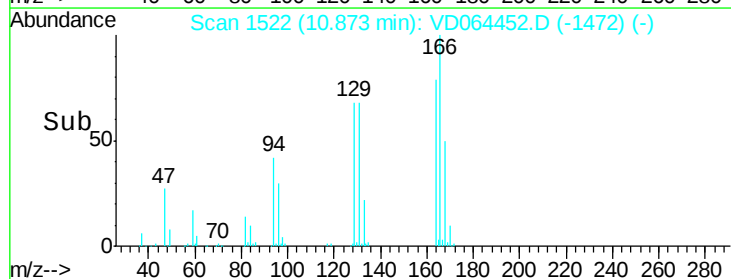
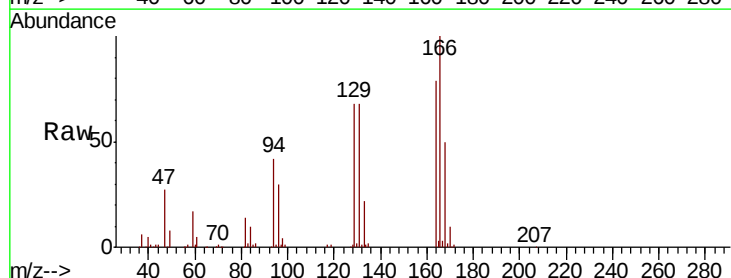
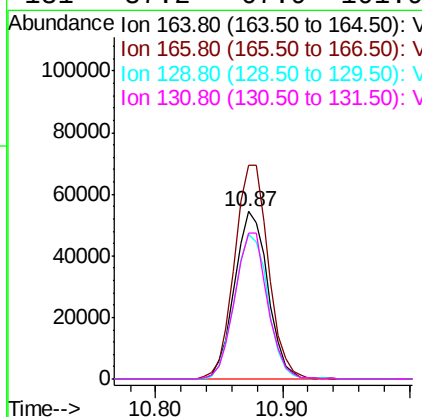
Manual Integrations  
APPROVED

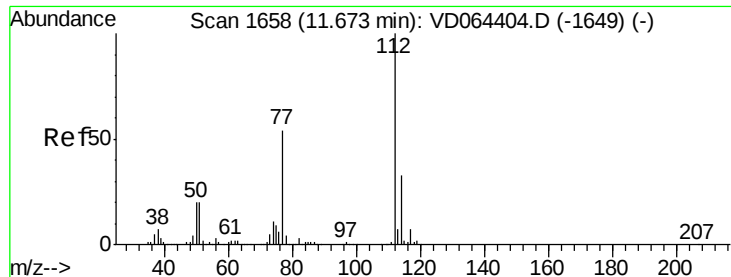
apatel  
12/9/2019 2:03:51 PM



#64  
Tetrachloroethene  
Concen: 20.413 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 99209 |       |       |
| 166     | 127.4 |       | 104.8 | 157.2 |
| 129     | 86.4  |       | 68.7  | 103.1 |
| 131     | 87.2  |       | 67.9  | 101.9 |





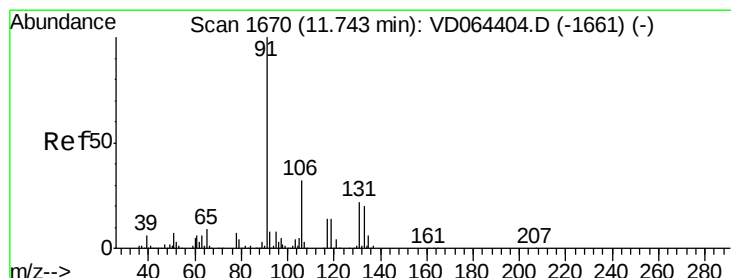
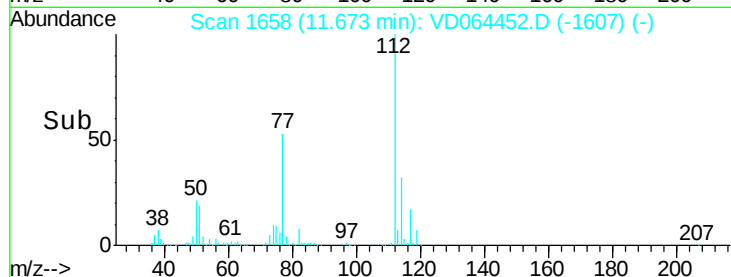
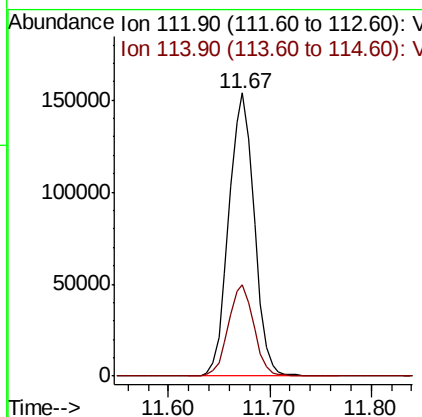
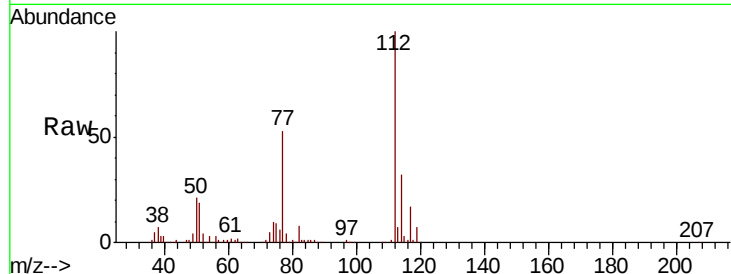
#65  
Chlorobenzene  
Concen: 20.189 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.3  | 26.5  | 39.7  |

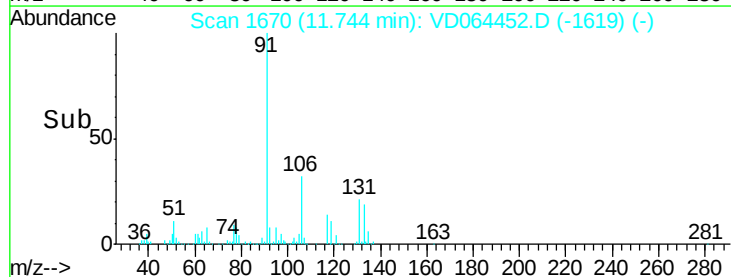
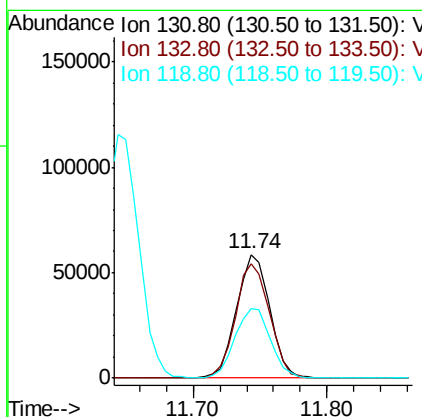
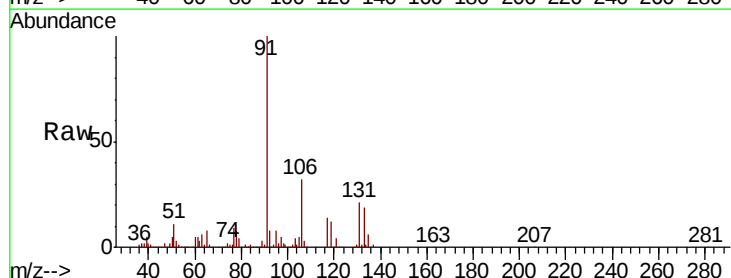
Manual Integrations  
APPROVED

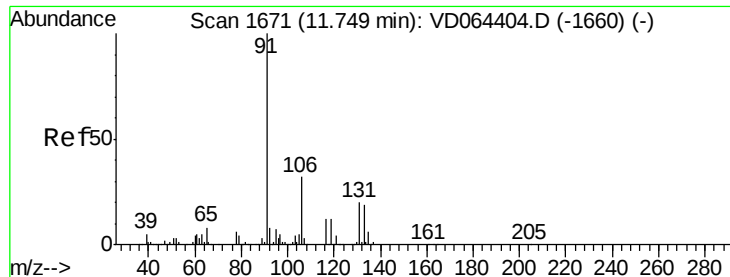
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.476 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.5  | 48.3  | 144.9 |
| 119     | 60.8  | 31.9  | 95.9  |





#67

Ethyl Benzene

Concen: 20.218 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 91 Resp: 478152

Ion Ratio Lower Upper

91 100

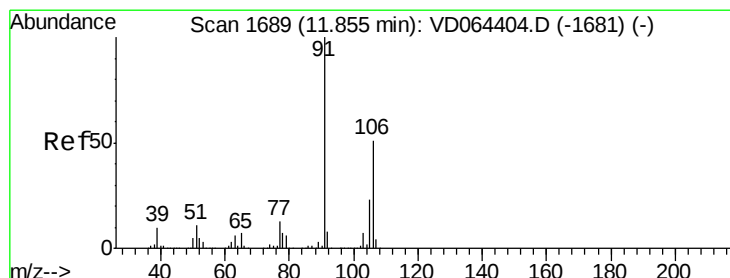
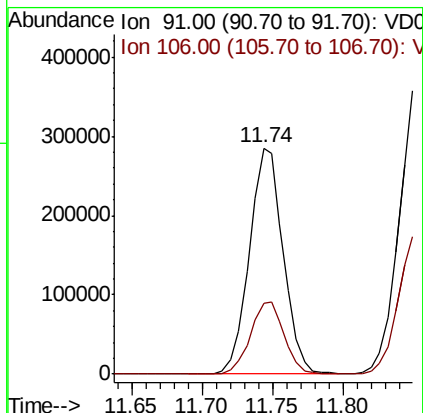
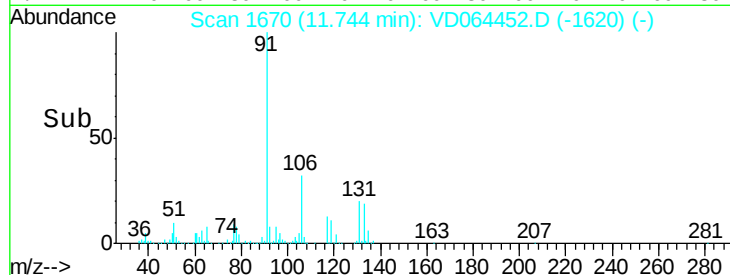
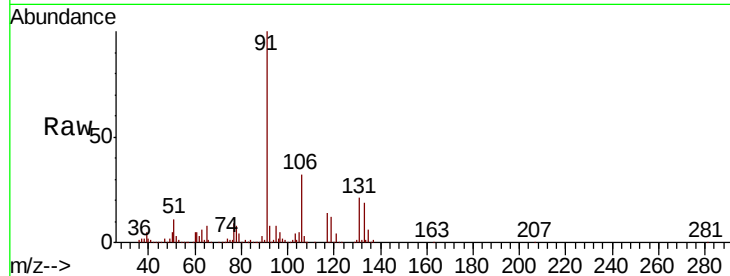
106 31.7 25.8 38.8

Manual Integrations

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apatel

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#68

m/p-Xylenes

Concen: 40.199 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064452.D

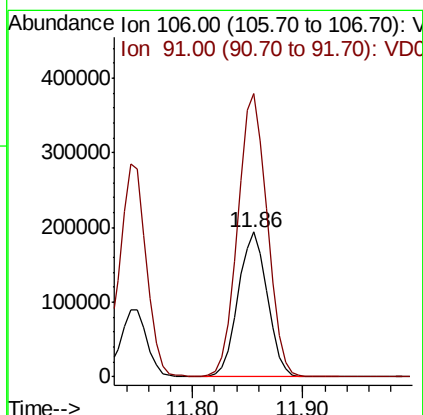
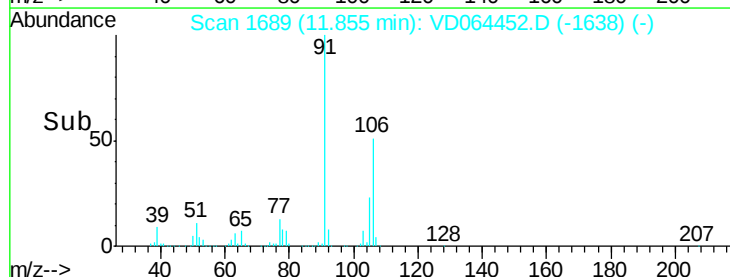
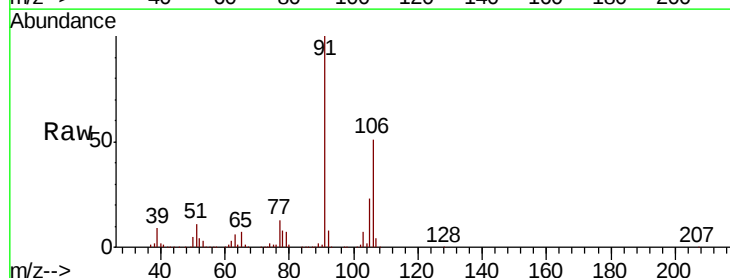
Acq: 06 Dec 2019 12:06

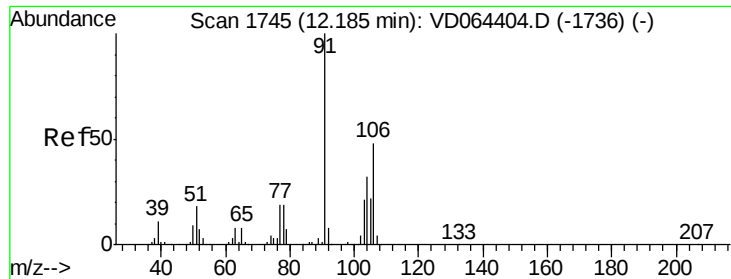
Tgt Ion: 106 Resp: 362500

Ion Ratio Lower Upper

106 100

91 196.7 157.4 236.2





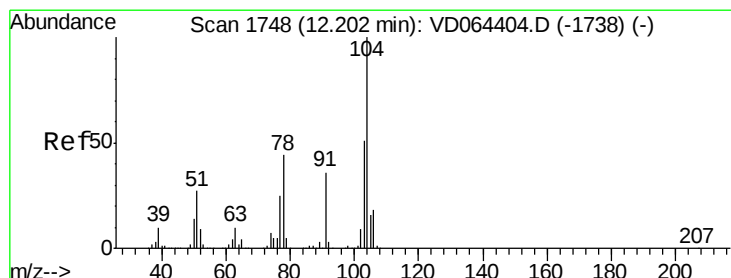
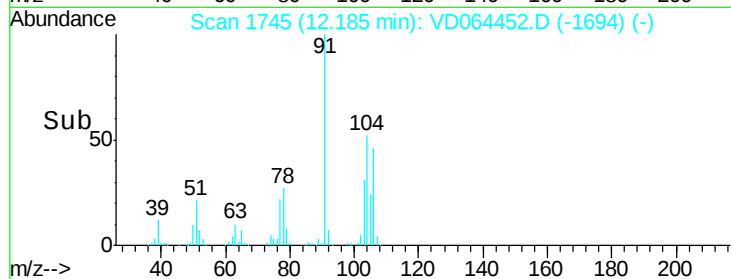
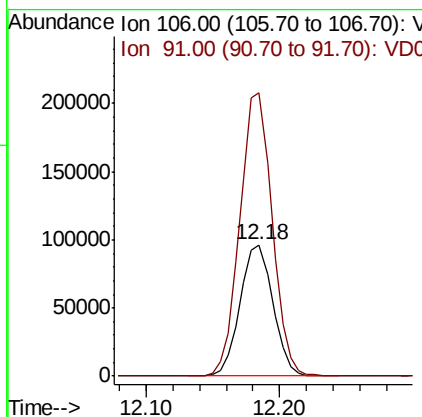
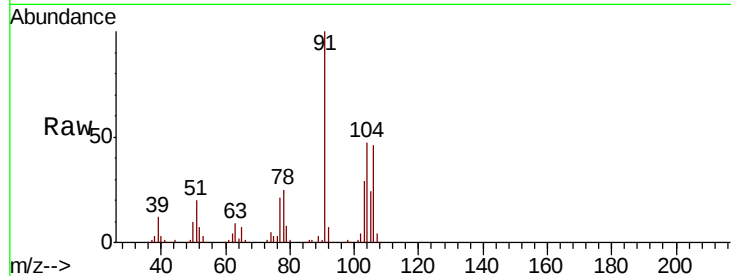
#69  
o-Xylene  
Concen: 19.666 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 163781 |       |       |
| 91      | 212.5 | 103.8 | 311.4  |       |       |

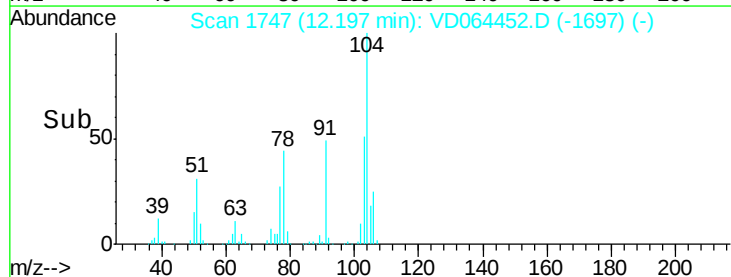
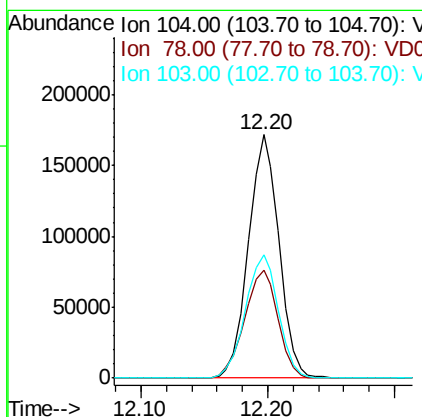
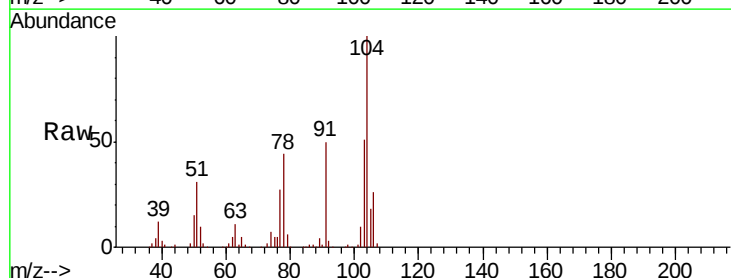
Manual Integrations  
APPROVED

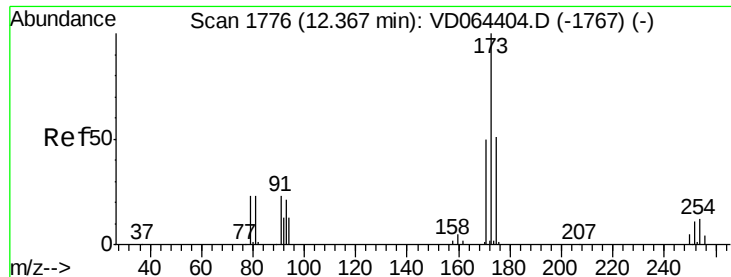
apatel  
12/9/2019 2:03:51 PM



#70  
Styrene  
Concen: 19.915 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 288221 |       |       |
| 78      | 48.4 | 38.8  | 58.2   |       |       |
| 103     | 54.9 | 44.2  | 66.4   |       |       |





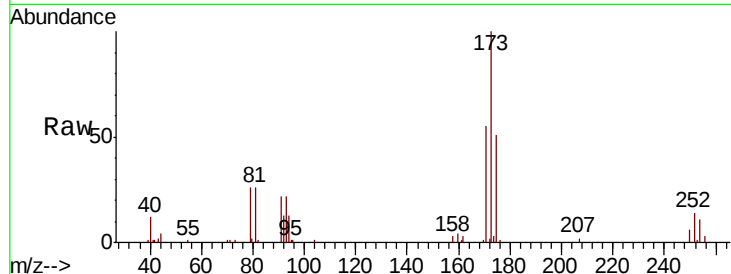
#71  
Bromoform  
Concen: 18.524 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

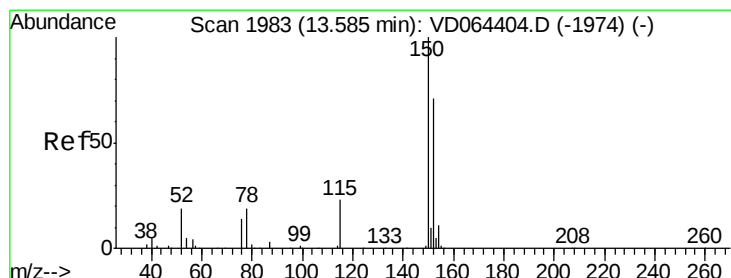
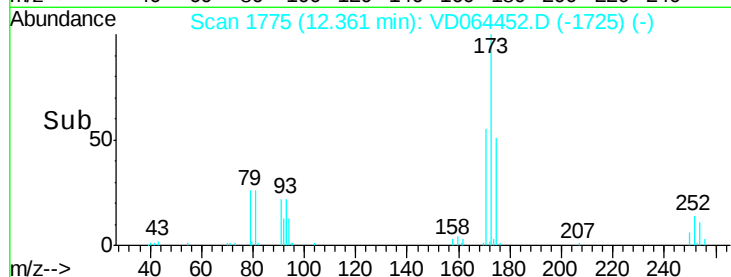
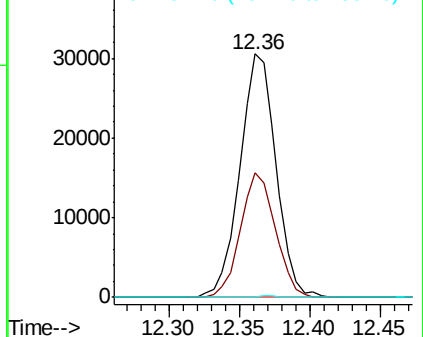
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.7  | 25.3  | 75.8  |
| 254     | 0.2   | 0.0   | 0.0#  |

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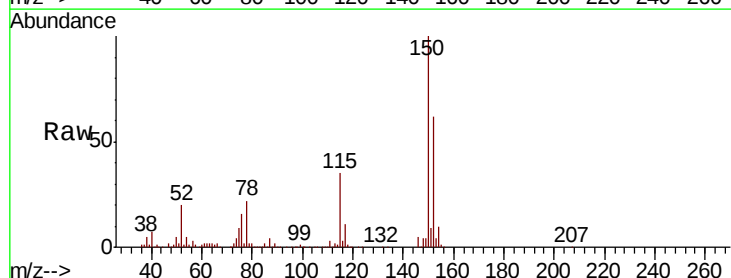


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

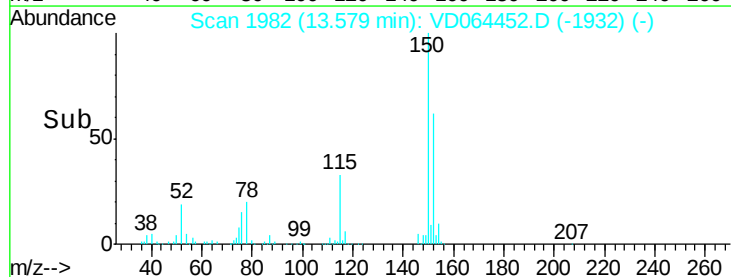
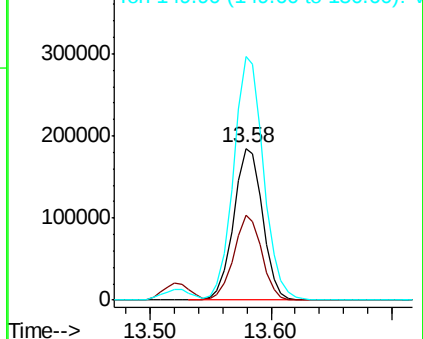


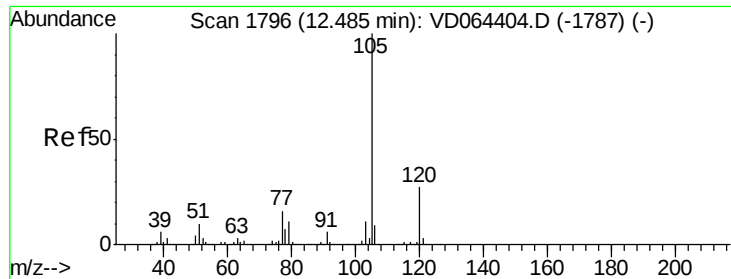
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.8  | 26.7  | 80.1  |
| 150     | 165.3 | 0.0   | 347.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.473 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 105 Resp: 454535

Ion Ratio Lower Upper

105 100

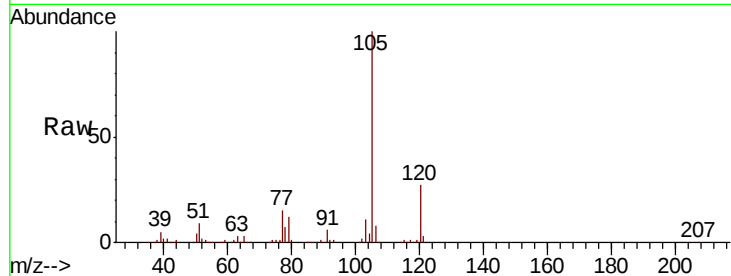
120 27.0 13.4 40.2

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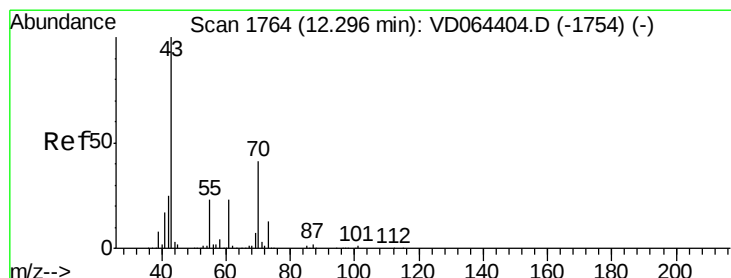
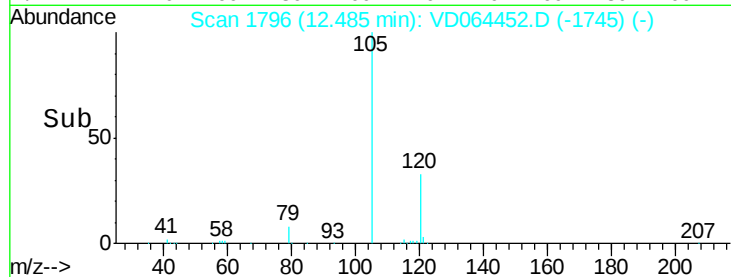
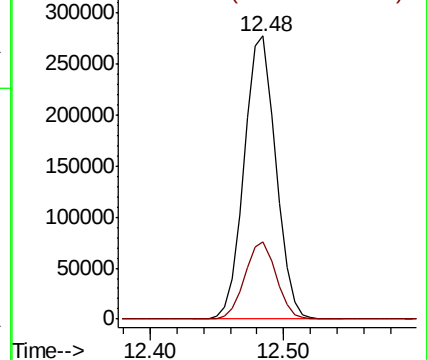
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.767 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Tgt Ion: 43 Resp: 94565

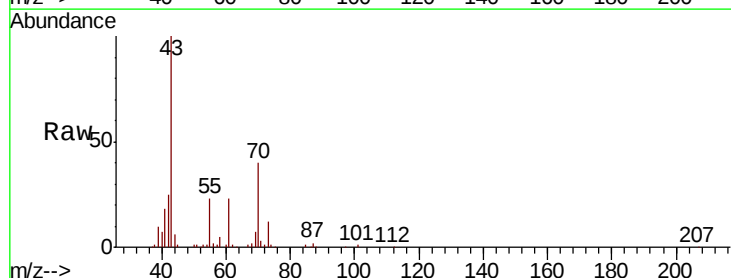
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 25.2 18.9 28.3

61 23.8 18.5 27.7

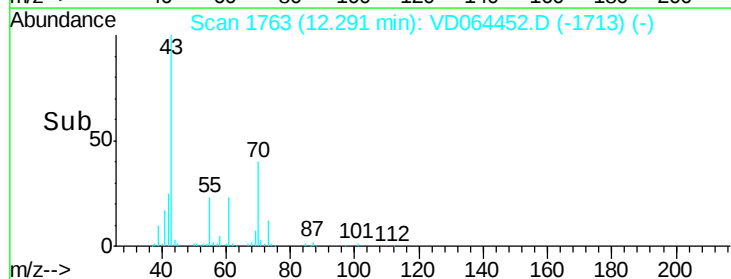
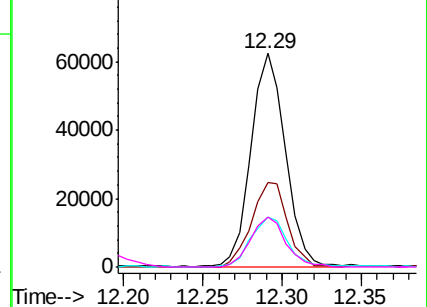


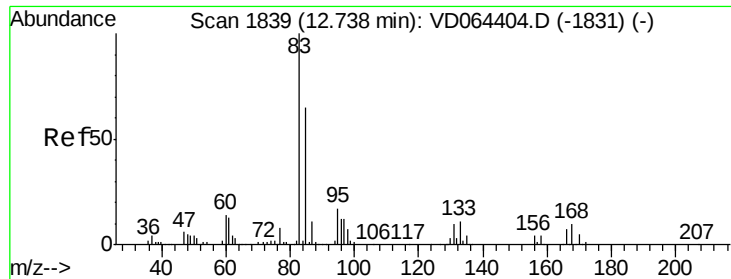
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.089 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

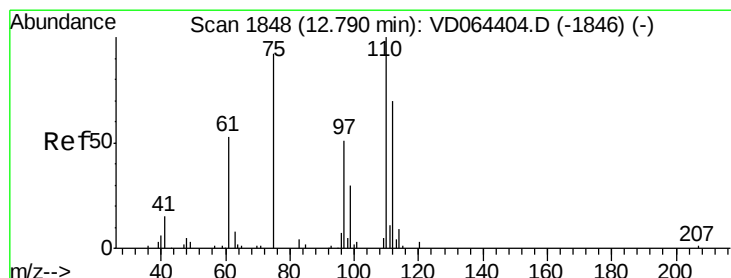
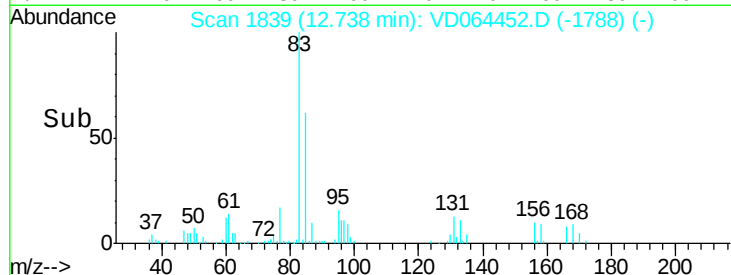
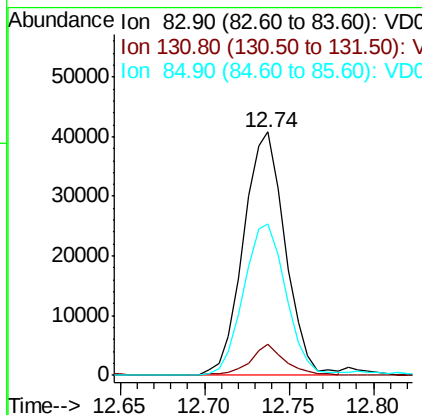
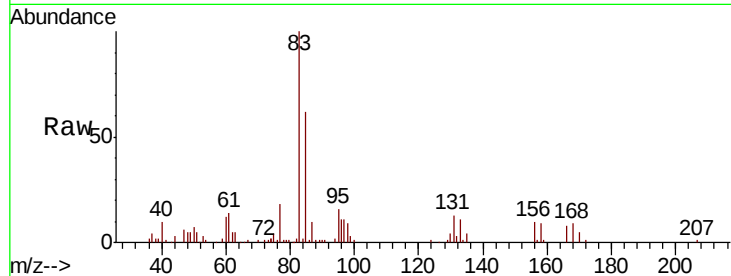
ClientSampleId :

VD1206SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 70084 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.0  | 5.7   | 17.0  |
| 85       | 63.1  | 31.3  | 93.9  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 19.980 ug/l m

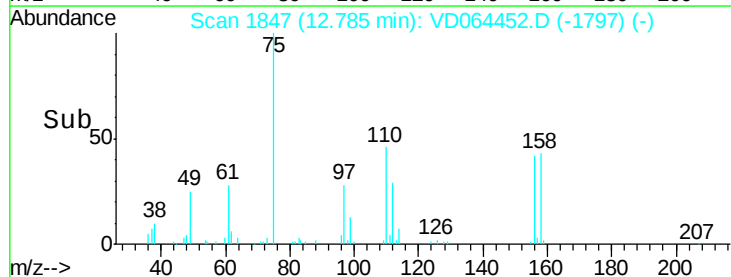
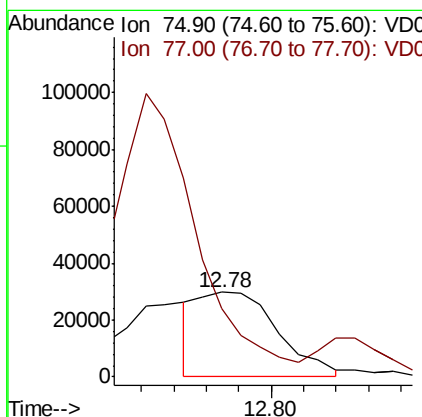
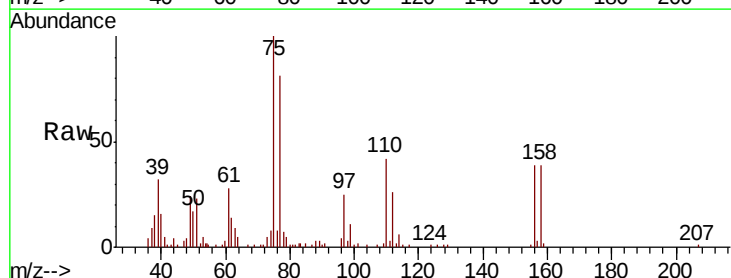
RT: 12.78 min Scan# 1847

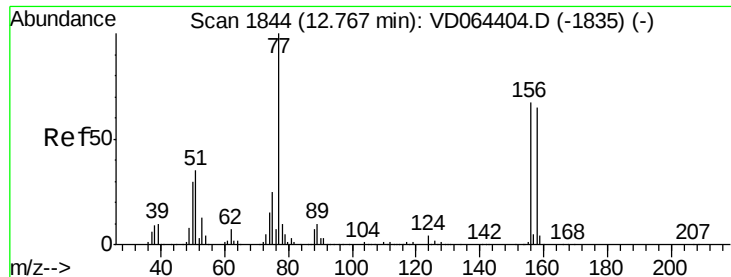
Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 50720 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.355 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

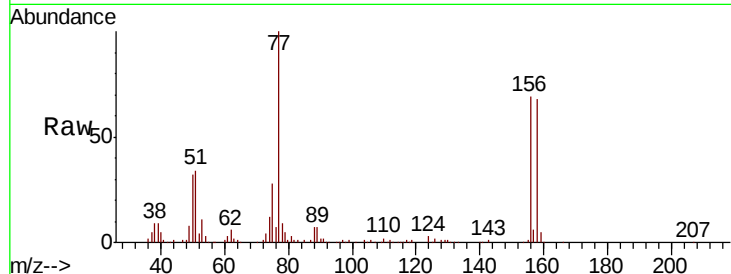
ClientSampleId :

VD1206SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 111599 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 162.4 | 80.0  | 240.2  |
| 158       | 98.4  | 48.9  | 146.6  |

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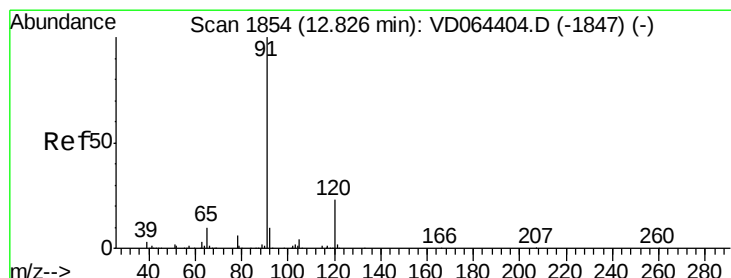
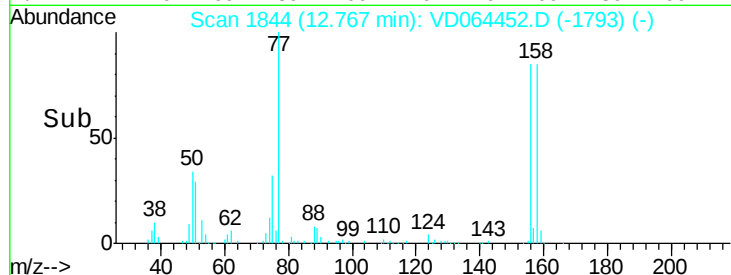
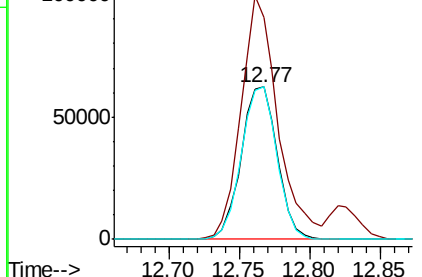
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.090 ug/l

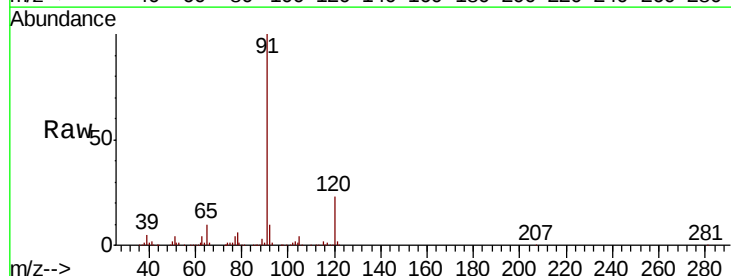
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064452.D

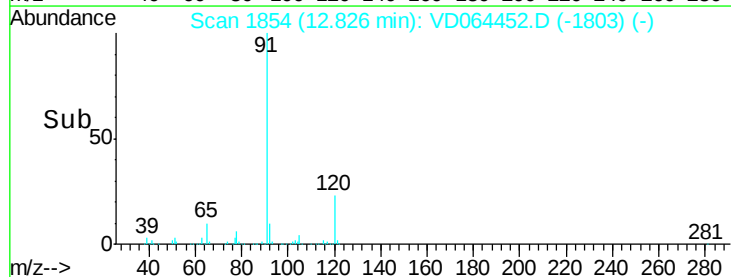
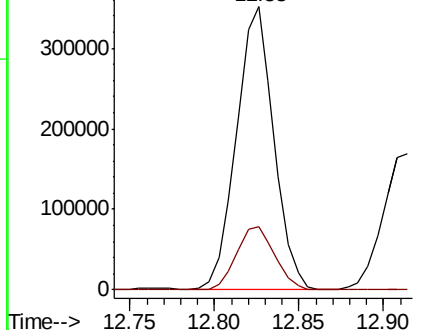
Acq: 06 Dec 2019 12:06

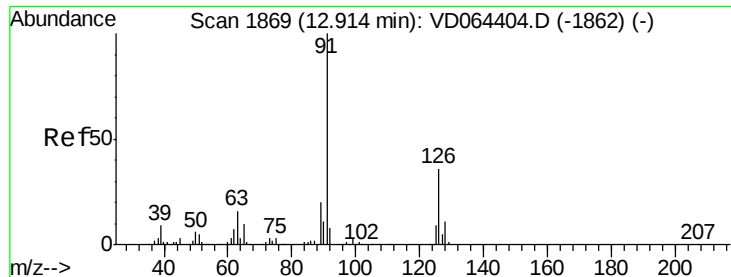
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 540247 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.1  | 11.9  | 35.9   |



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.276 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 91 Resp: 285801

Ion Ratio Lower Upper

91 100

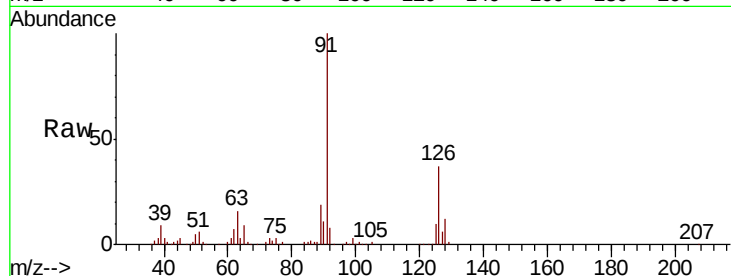
126 36.2 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

12.91

150000

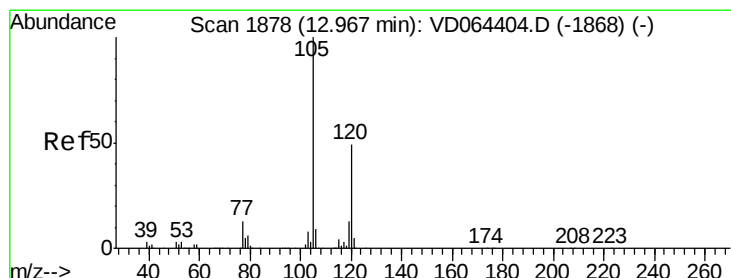
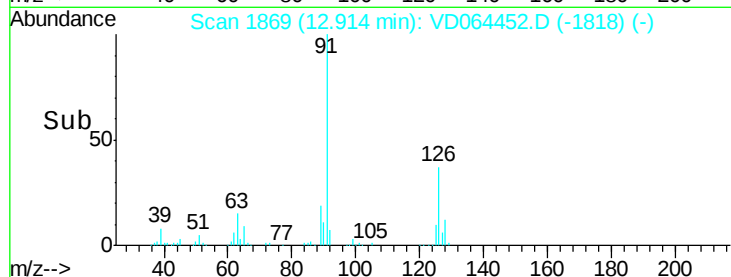
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.604 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064452.D

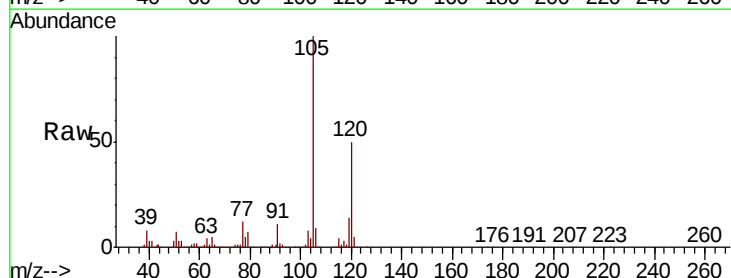
Acq: 06 Dec 2019 12:06

Tgt Ion: 105 Resp: 373811

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

12.96

250000

200000

150000

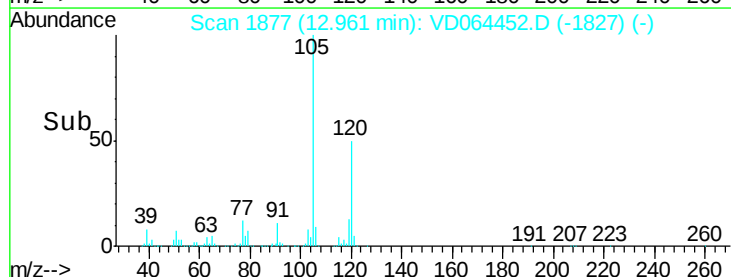
100000

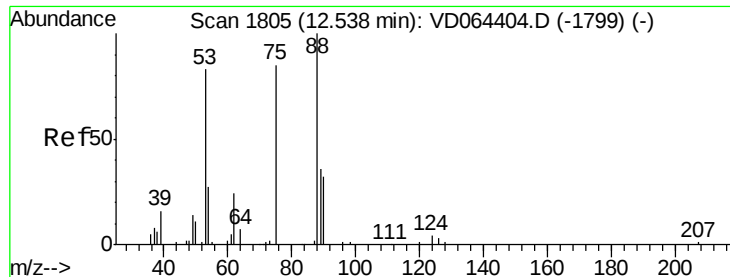
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.313 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion: 75 Resp: 22484

Ion Ratio Lower Upper

75 100

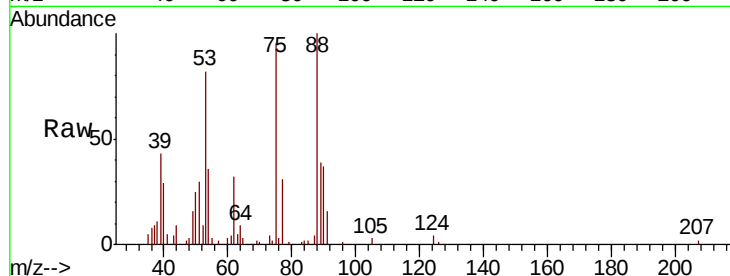
53 91.7 81.0 121.6

89 46.6 38.5 57.7

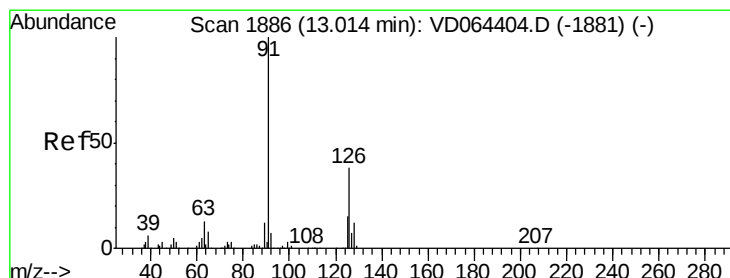
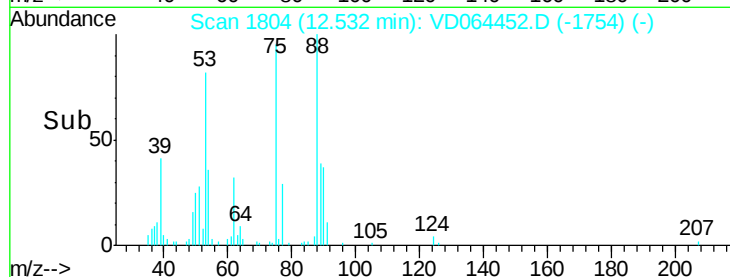
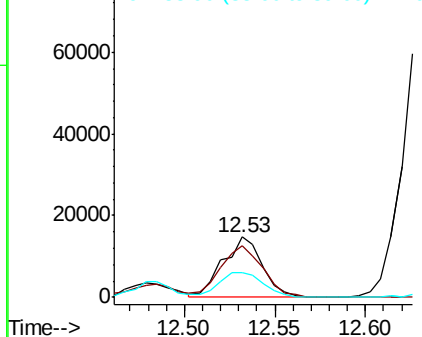
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Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.390 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064452.D

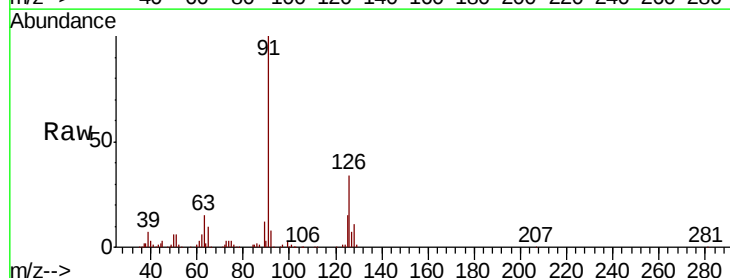
Acq: 06 Dec 2019 12:06

Tgt Ion: 91 Resp: 304295

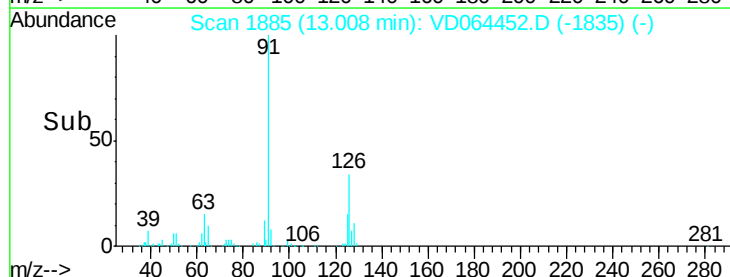
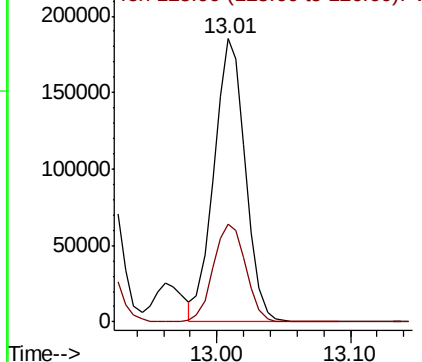
Ion Ratio Lower Upper

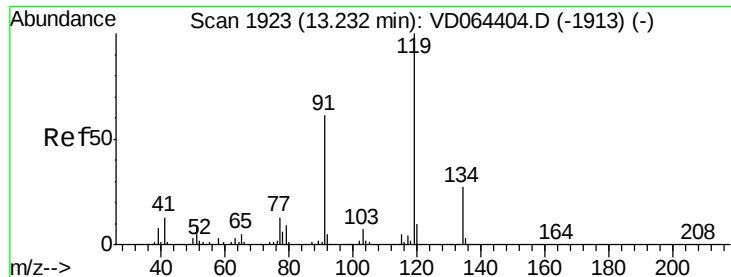
91 100

126 35.7 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.205 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

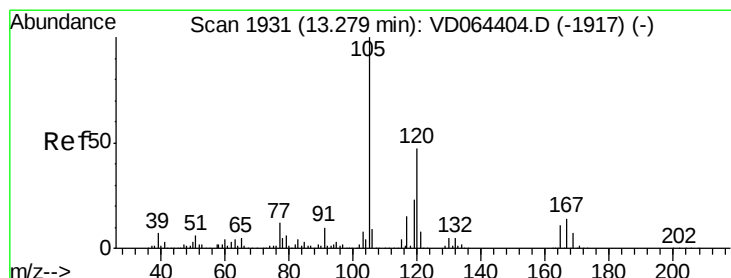
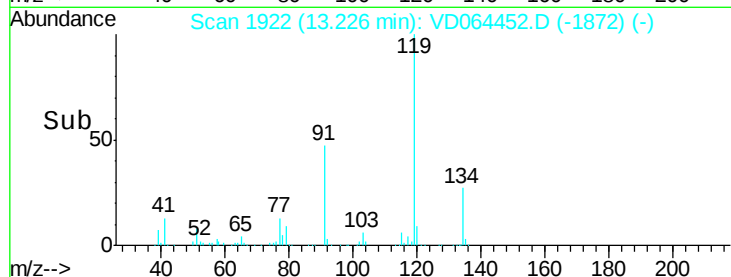
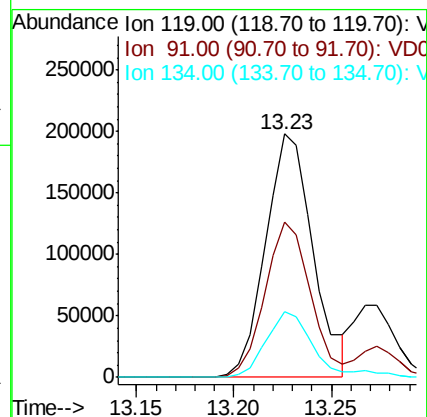
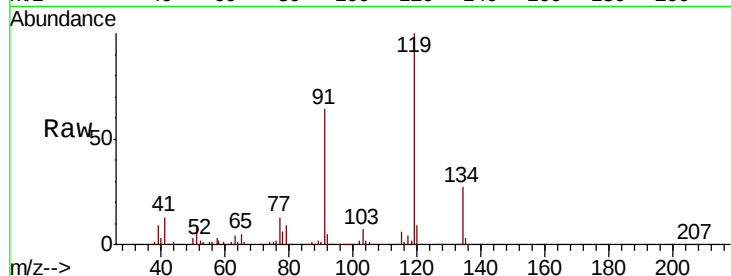
ClientSampleId :

VD1206SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 334466 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 61.0  | 31.2  | 93.6   |
| 134       | 27.3  | 13.9  | 41.7   |

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#84

1,2,4-Trimethylbenzene

Concen: 20.218 ug/l

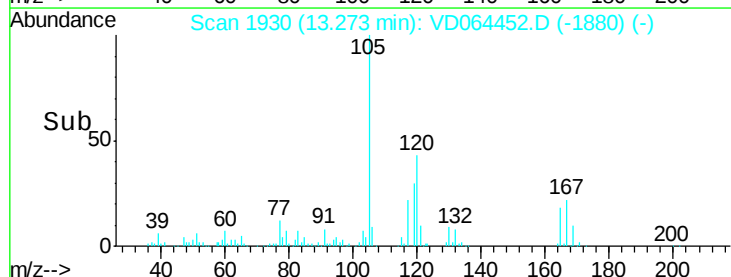
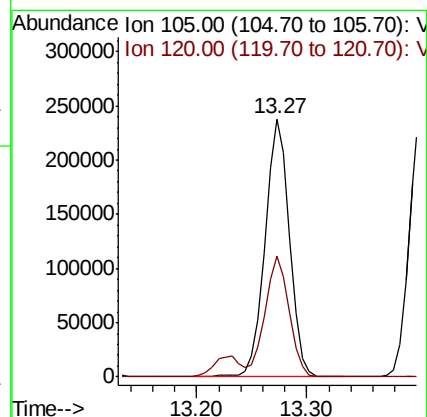
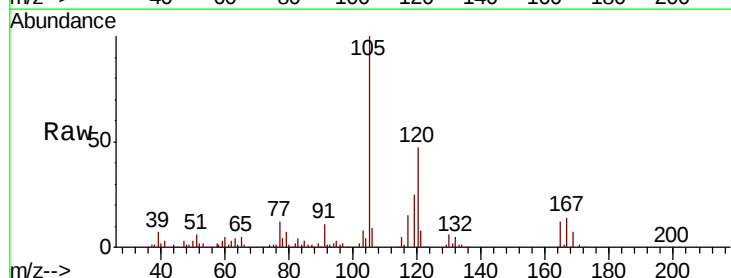
RT: 13.27 min Scan# 1930

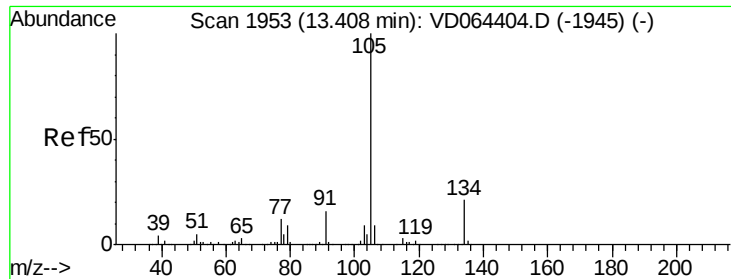
Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 368851 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.5  | 23.6  | 70.8   |





#85

sec-Butylbenzene

Concen: 20.652 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1206SBS01

Tot Ion:105 Resp: 447074

Ion Ratio Lower Upper

105 100

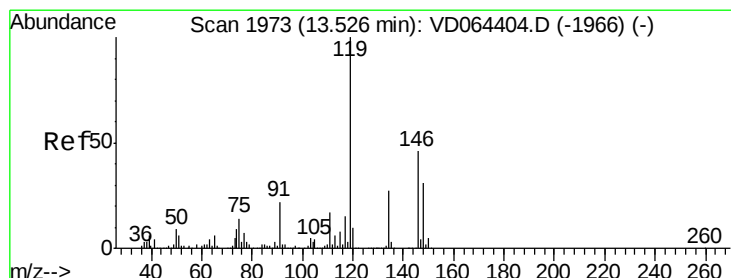
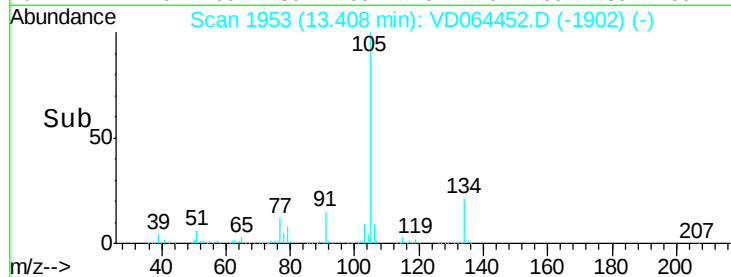
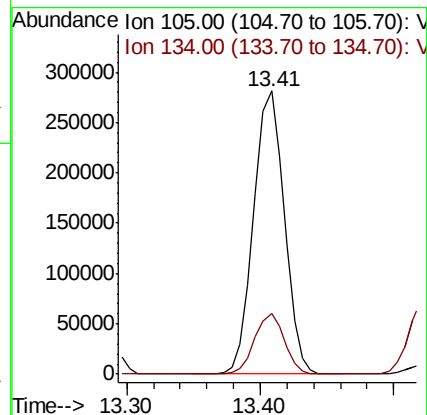
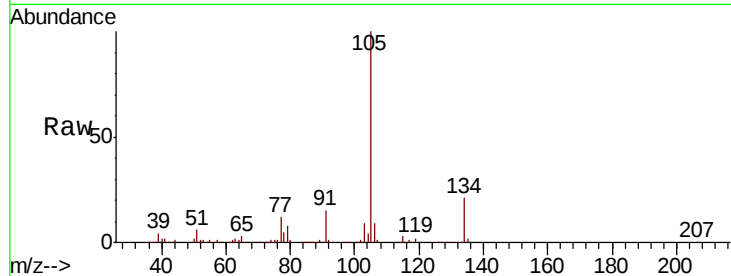
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.499 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064452.D

Acq: 06 Dec 2019 12:06

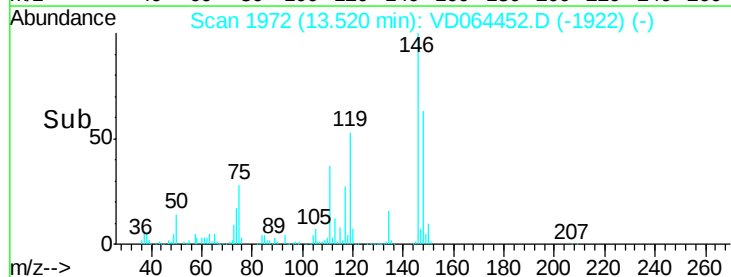
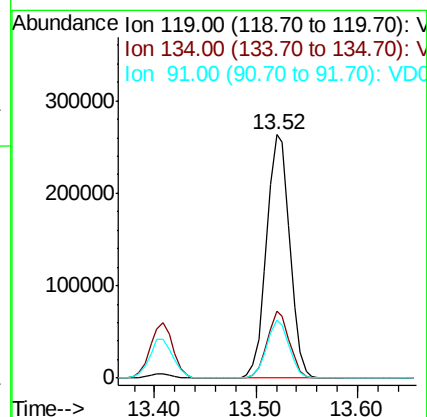
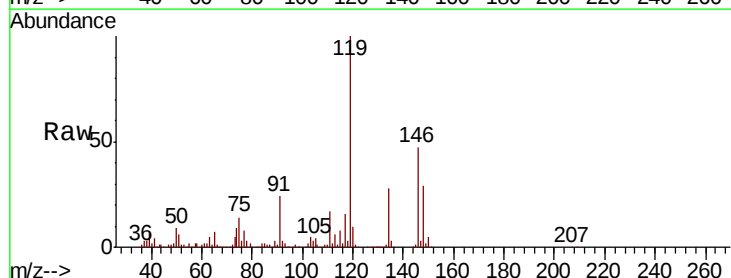
Tgt Ion:119 Resp: 418963

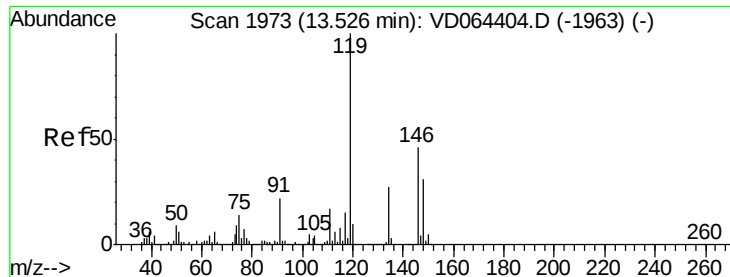
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 22.8 11.2 33.5





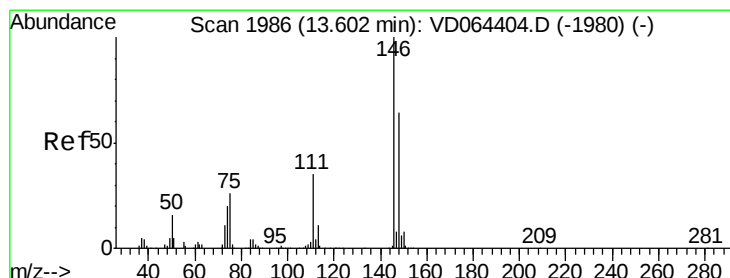
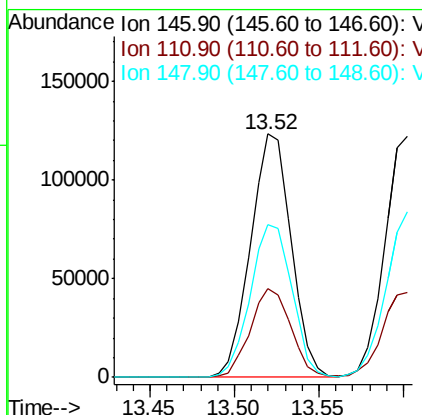
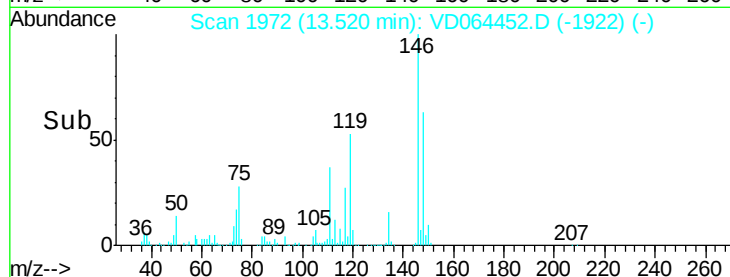
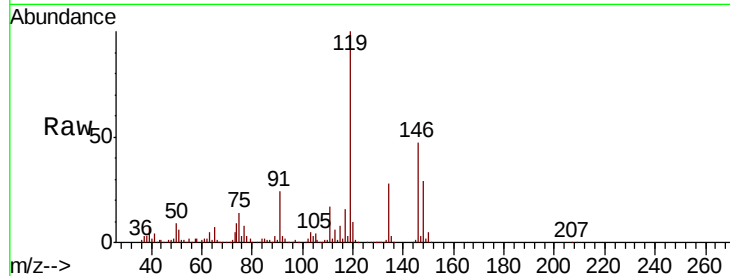
#87  
 1,3-Dichlorobenzene  
 Concen: 19.865 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.8  | 56.4  |
| 148     | 64.4  | 32.6  | 97.8  |

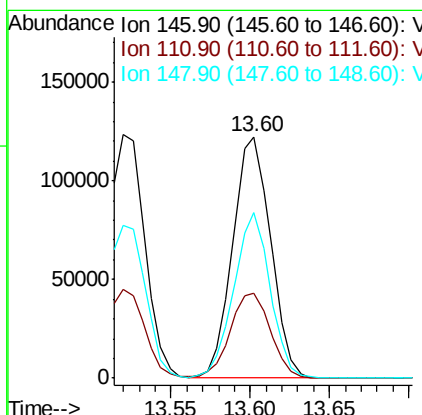
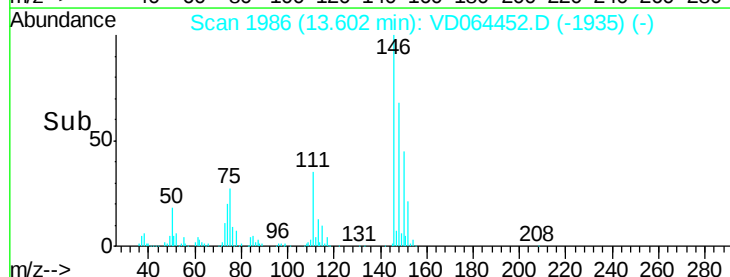
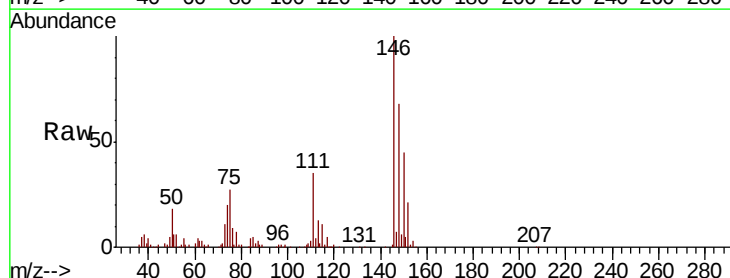
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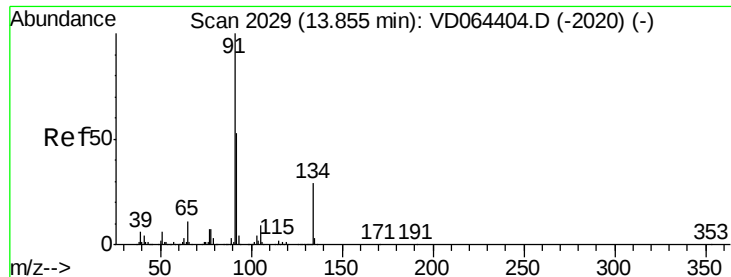
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.830 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.2  | 54.6  |
| 148     | 65.5  | 31.8  | 95.4  |





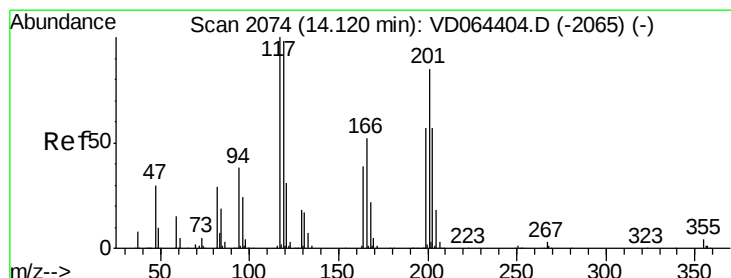
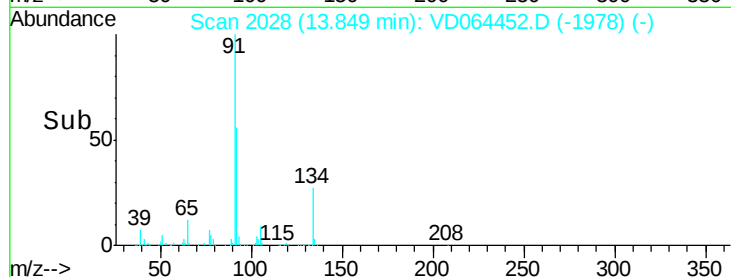
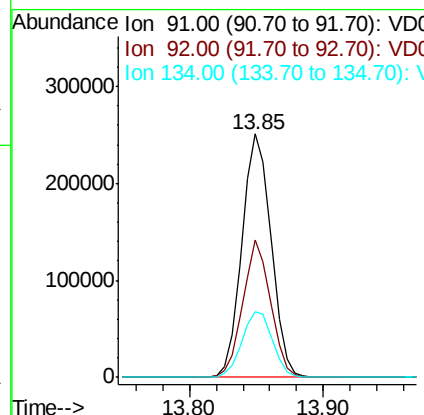
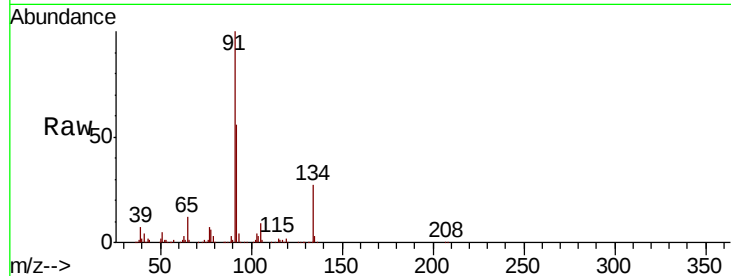
#89  
n-Butylbenzene  
Concen: 20.384 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.9  | 26.5  | 79.4  |
| 134     | 28.3  | 13.9  | 41.7  |

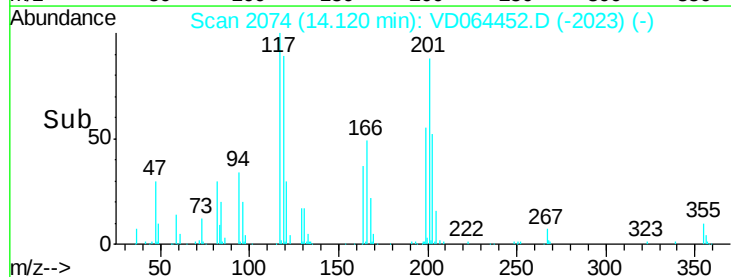
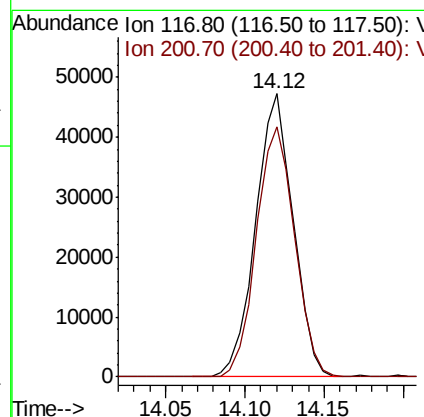
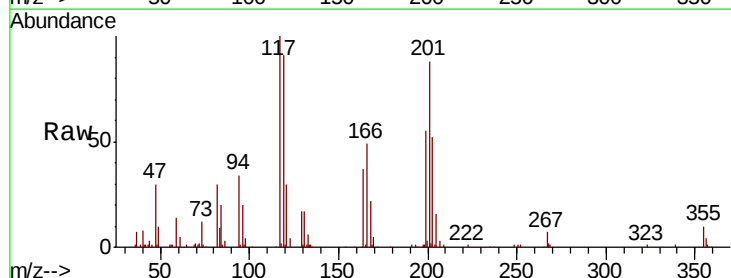
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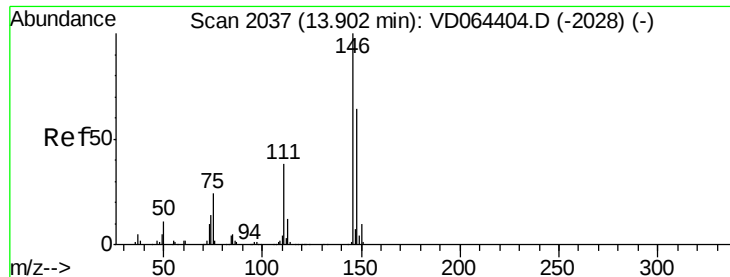
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#90  
Hexachloroethane  
Concen: 20.308 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 90.4  | 44.3  | 132.8 |





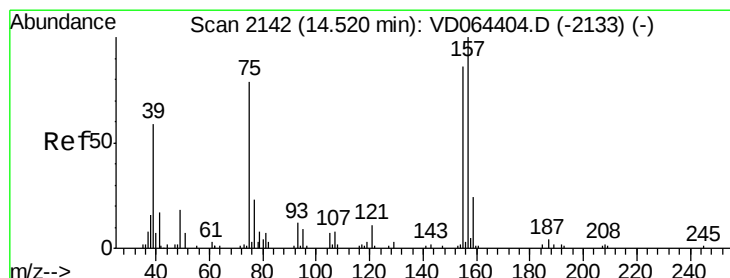
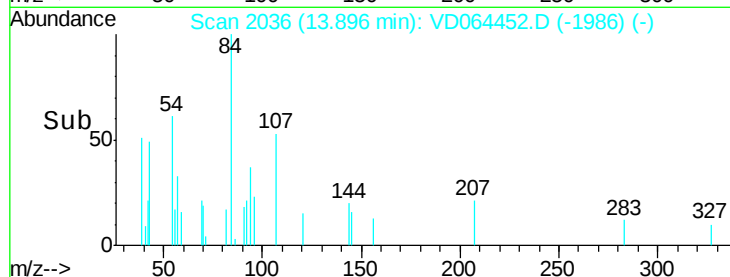
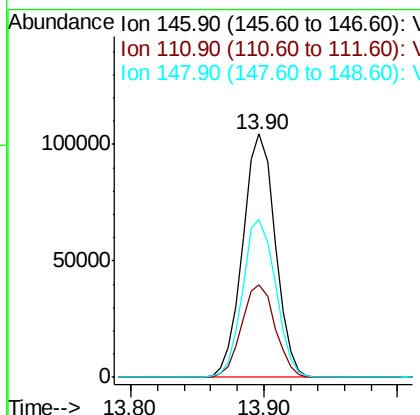
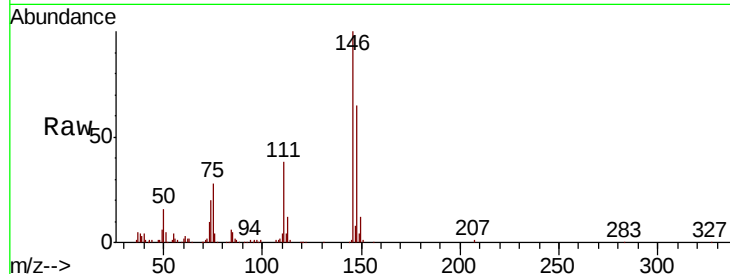
#91  
 1,2-Dichlorobenzene  
 Concen: 19.797 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 176056 |       |       |
| 111     | 39.2  | 19.1   | 57.3  |       |
| 148     | 65.7  | 32.0   | 96.0  |       |

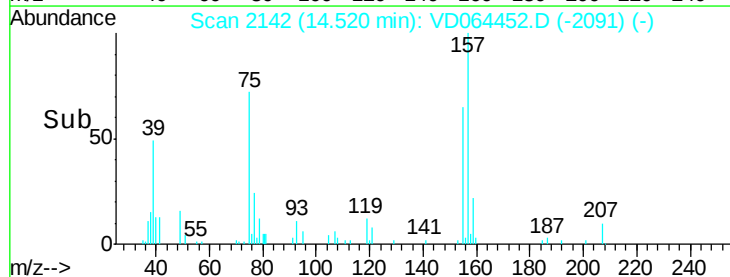
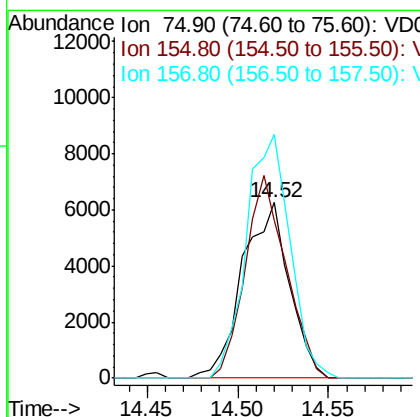
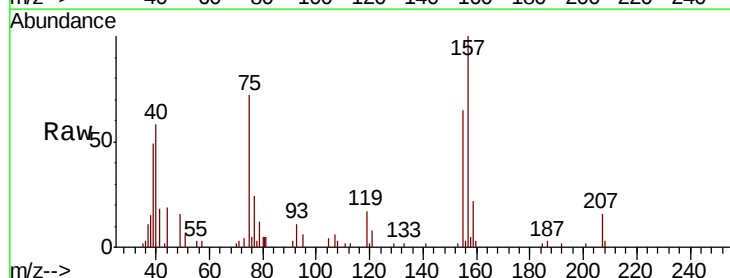
Manual Integrations  
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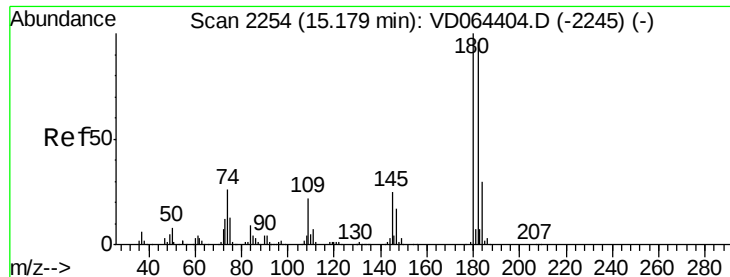
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.705 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 11265 |       |       |
| 155     | 100.6 | 51.9  | 155.7 |       |
| 157     | 128.8 | 63.2  | 189.8 |       |





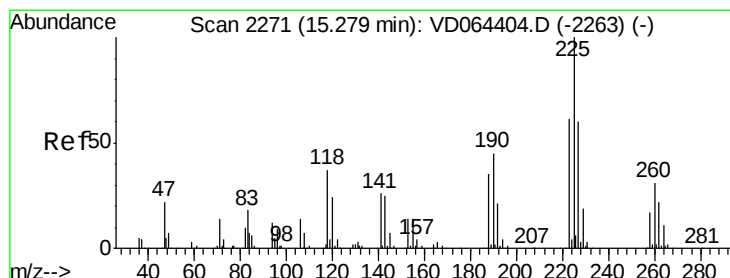
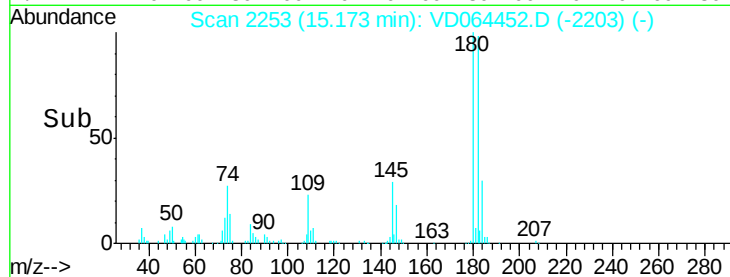
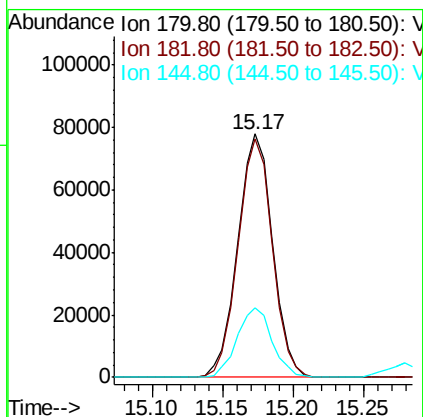
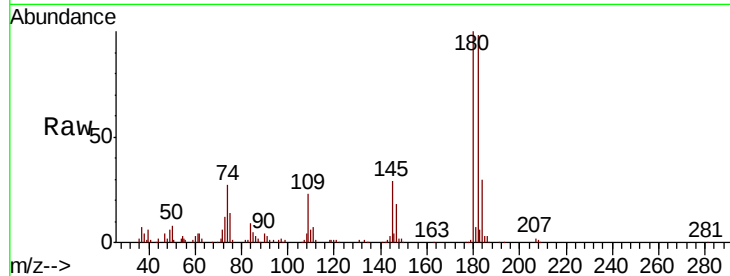
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.711 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1206SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.6  | 47.4  | 142.3 |
| 145     | 28.7  | 14.0  | 41.9  |

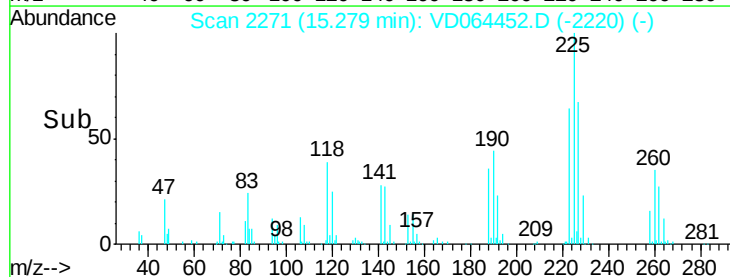
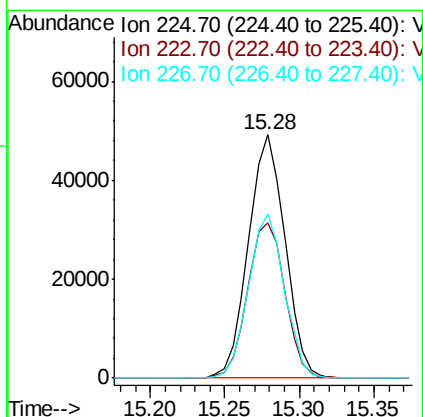
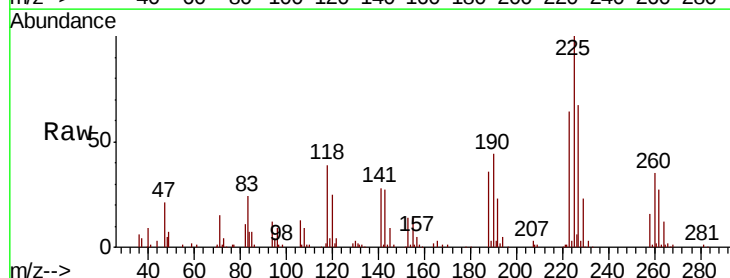
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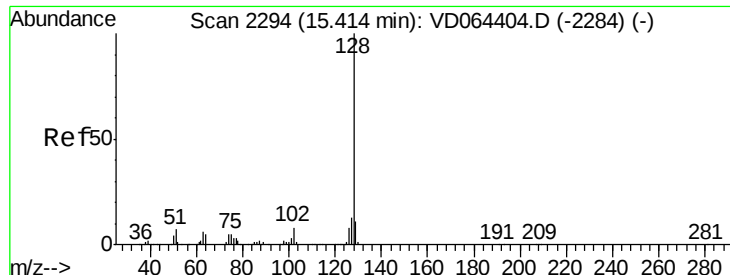
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#94  
 Hexachlorobutadiene  
 Concen: 19.827 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD064452.D  
 Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.9  | 31.1  | 93.3  |
| 227     | 65.9  | 31.8  | 95.4  |





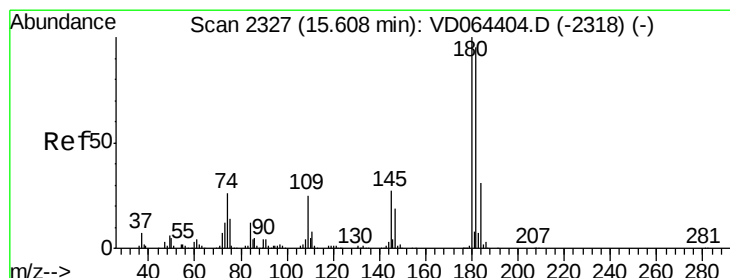
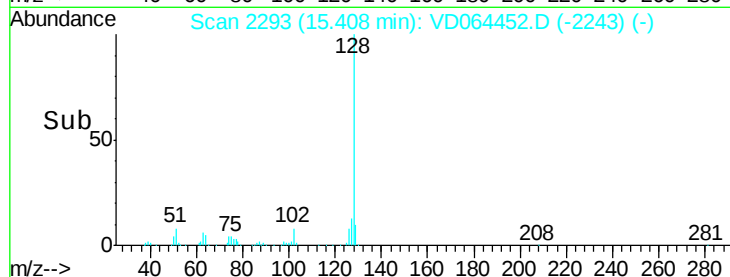
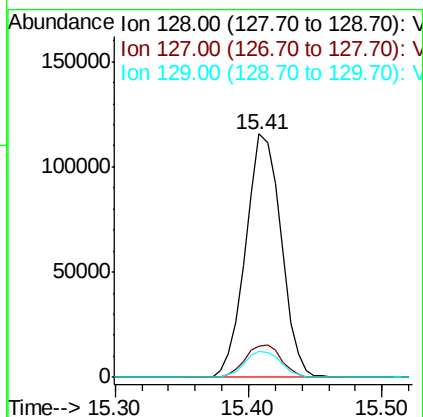
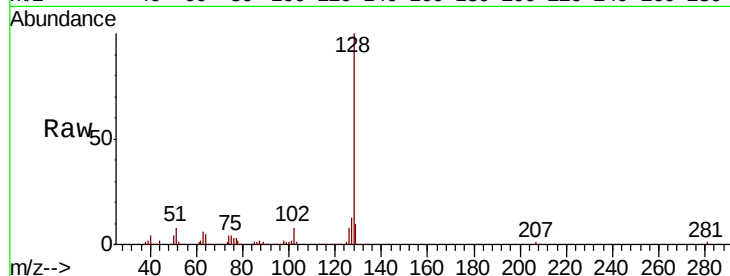
#95  
Naphthalene  
Concen: 18.680 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. -0.01 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1206SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.9  | 10.5  | 15.7  |
| 129     | 10.8  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.623 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD064452.D  
Acq: 06 Dec 2019 12:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 47.6  | 142.9 |
| 145     | 30.7  | 14.6  | 43.8  |

