

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\  
 Data File : VD064342.D  
 Acq On : 22 Nov 2019 12:41  
 Operator : VA/SY  
 Sample : VD1122SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/26/2019 1:34:46 AM

Quant Time: Nov 23 01:06:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 502591   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 709402   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 624360   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 304937   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 200146   | 48.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.84%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 206935   | 50.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.64% |      |
| 50) Toluene-d8            | 10.34  | 98  | 761874   | 49.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.20%  |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 254250   | 47.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.58%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 79127  | 18.983  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 96050  | 21.483  | ug/l | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 121358 | 25.382  | ug/l | 99     |
| 5) Bromomethane               | 2.76 | 94  | 86339  | 28.597  | ug/l | 96     |
| 6) Chloroethane               | 2.91 | 64  | 81647  | 26.725  | ug/l | 92     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 210915 | 27.209  | ug/l | 99     |
| 8) Diethyl Ether              | 3.70 | 74  | 45021  | 21.122  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 97152  | 21.927  | ug/l | 98     |
| 10) Methyl Iodide             | 4.29 | 142 | 90927  | 19.279  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 37254m | 129.037 | ug/l |        |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 88677  | 20.998  | ug/l | 96     |
| 13) Acrolein                  | 3.92 | 56  | 18119  | 74.185  | ug/l | 92     |
| 14) Allyl chloride            | 4.71 | 41  | 140936 | 18.875  | ug/l | 94     |
| 15) Acrylonitrile             | 5.43 | 53  | 100797 | 110.929 | ug/l | 99     |
| 16) Acetone                   | 4.17 | 43  | 85331  | 87.141  | ug/l | 96     |
| 17) Carbon Disulfide          | 4.40 | 76  | 251116 | 19.094  | ug/l | 99     |
| 18) Methyl Acetate            | 4.73 | 43  | 57450  | 21.005  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 206845 | 20.517  | ug/l | 97     |
| 20) Methylene Chloride        | 4.96 | 84  | 100209 | 20.259  | ug/l | 93     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 97323  | 20.340  | ug/l | 94     |
| 22) Diisopropyl ether         | 6.37 | 45  | 274257 | 19.796  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.31 | 43  | 806806 | 104.472 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 167145 | 20.778  | ug/l | 98     |
| 25) 2-Butanone                | 7.23 | 43  | 129802 | 102.601 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 153398 | 19.445  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 111255 | 21.683  | ug/l | 93     |
| 28) Bromochloromethane        | 7.55 | 49  | 47543  | 16.976  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.58 | 42  | 83414  | 109.740 | ug/l | 97     |
| 30) Chloroform                | 7.71 | 83  | 183674 | 22.322  | ug/l | 97     |
| 31) Cyclohexane               | 7.98 | 56  | 156263 | 19.261  | ug/l | 91     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 164843 | 20.922  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 135165 | 20.645  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 60780  | 22.021  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 149007 | 21.270  | ug/l | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\  
 Data File : VD064342.D  
 Acq On : 22 Nov 2019 12:41  
 Operator : VA/SY  
 Sample : VD1122SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/26/2019 1:34:46 AM

Quant Time: Nov 23 01:06:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 169330   | 20.439  | ug/l   | 96       |
| 40) Benzene                    | 8.35  | 78   | 375108   | 20.963  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 37660    | 21.709  | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 110085   | 20.484  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 120496   | 21.188  | ug/l   | 100      |
| 44) Trichloroethene            | 9.11  | 130  | 116362   | 21.667  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 91334    | 20.971  | ug/l   | 97       |
| 46) Dibromomethane             | 9.48  | 93   | 49867    | 21.387  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.67  | 83   | 131003   | 20.859  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 55138    | 19.828  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 13118    | 468.458 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 293413   | 107.589 | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 248433   | 21.114  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 127588   | 20.278  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 149719   | 20.391  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 71292    | 22.539  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 92204    | 20.839  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 122874   | 22.275  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 188164   | 104.985 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.99 | 43   | 198162   | 102.134 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 95715    | 21.687  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 69928    | 22.073  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.88 | 164  | 99911    | 20.807  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 265101   | 20.880  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 101381   | 21.000  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 471804   | 20.544  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 361250   | 41.038  | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 168919   | 20.691  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 291026   | 20.422  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 58555    | 21.312  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.48 | 105  | 461303   | 20.610  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 105263   | 19.915  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 79244    | 23.496  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 52018m   | 21.178  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 117408   | 21.592  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.83 | 91   | 535360   | 20.935  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 290207   | 20.101  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 376488   | 20.471  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 24111    | 19.499  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 303627   | 20.163  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 330945   | 20.407  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 381754   | 21.025  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 449635   | 20.643  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 416651   | 20.121  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 213857   | 21.187  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 209981   | 21.315  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 384497   | 20.553  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.13 | 117  | 77747    | 20.316  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 184795   | 21.630  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 12808    | 21.240  | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\  
Data File : VD064342.D  
Acq On : 22 Nov 2019 12:41  
Operator : VA/SY  
Sample : VD1122SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

Manual Integrations  
APPROVED

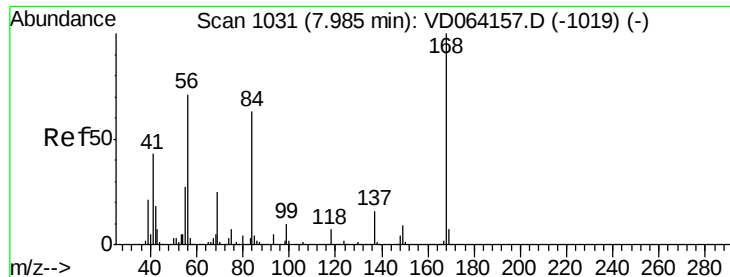
MMDadoda  
11/26/2019 1:34:46 AM

Quant Time: Nov 23 01:06:08 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 12 02:43:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 138981   | 21.088 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 89160    | 20.945 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 237851   | 22.016 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 123139   | 21.981 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBS01

Tot Ion:168 Resp: 502591

Ion Ratio Lower Upper

168 100

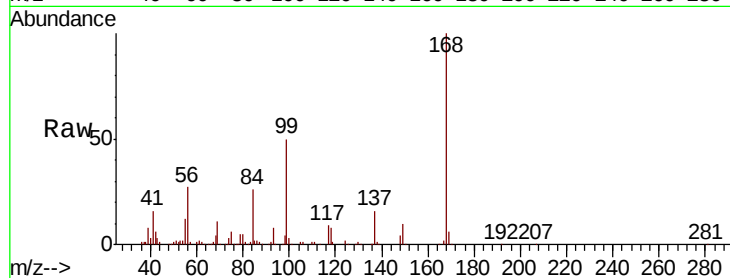
99 49.4 41.6 62.4

Manual Integrations

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11/26/2019 1:34:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

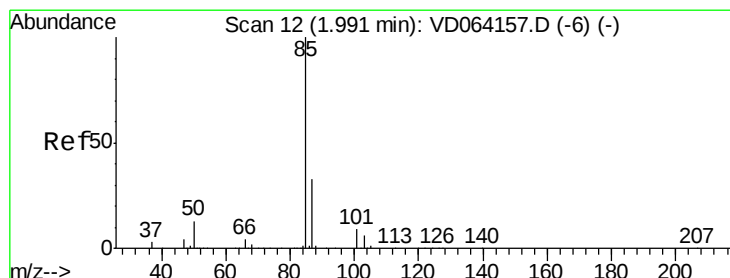
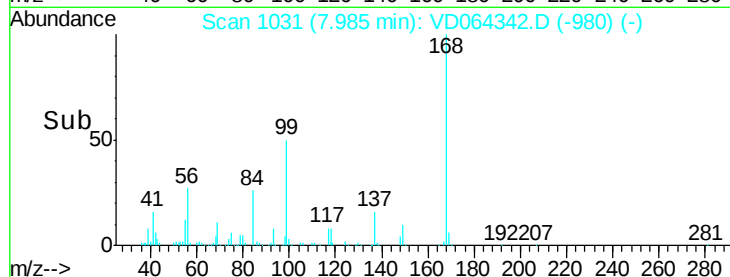
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.983 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064342.D

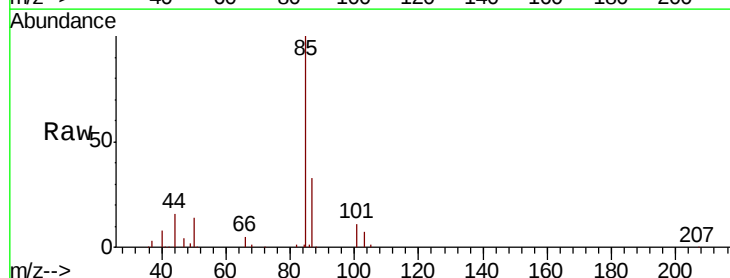
Acq: 22 Nov 2019 12:41

Tgt Ion: 85 Resp: 79127

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

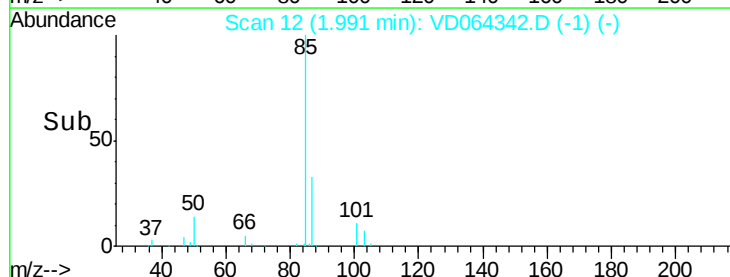
1.90

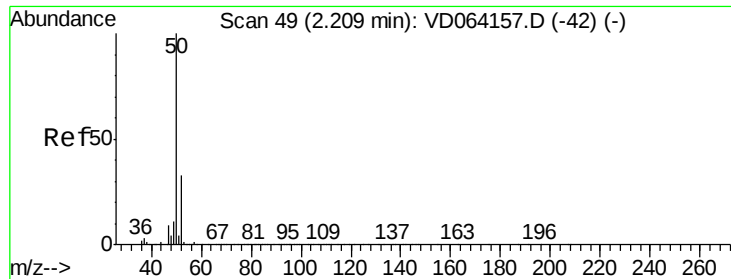
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.483 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBS01

Tot Ion: 50 Resp: 96050

Ion Ratio Lower Upper

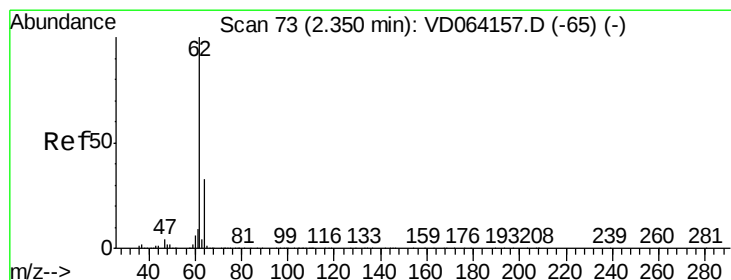
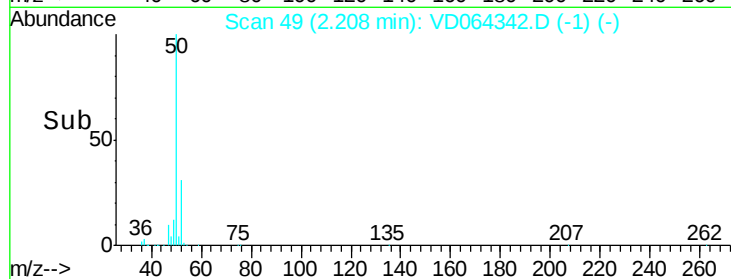
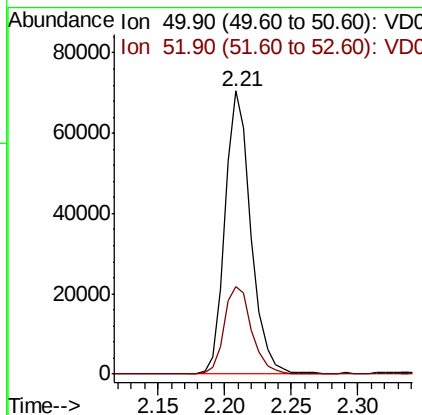
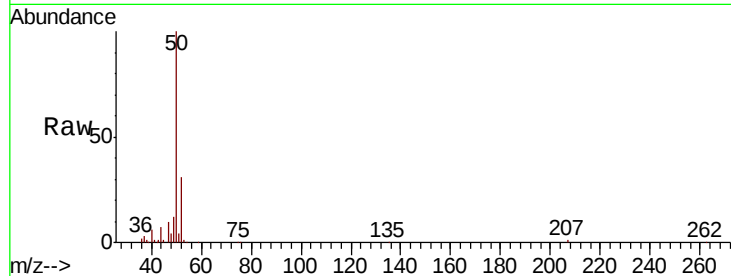
50 100

52 31.1 26.2 39.4

Manual Integrations  
APPROVED

MMDadoda

11/26/2019 1:34:46 AM



#4

Vinyl Chloride

Concen: 25.382 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064342.D

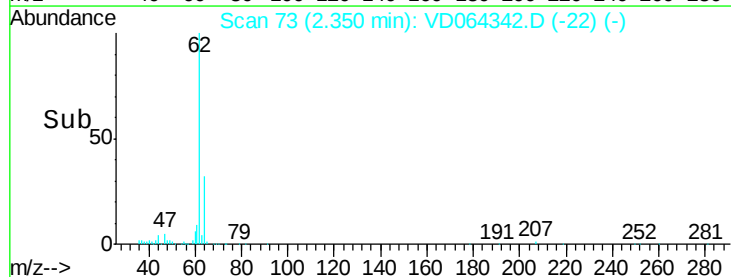
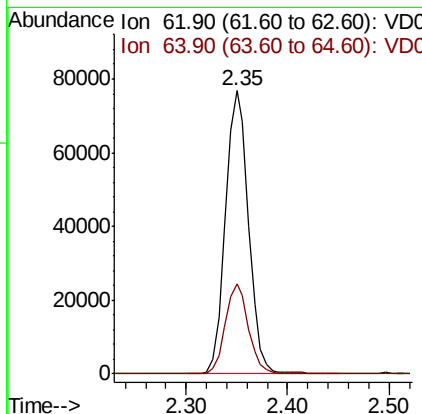
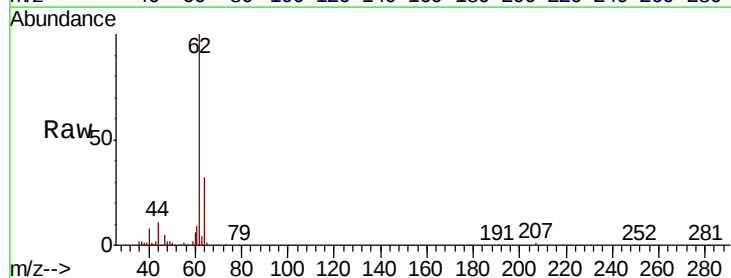
Acq: 22 Nov 2019 12:41

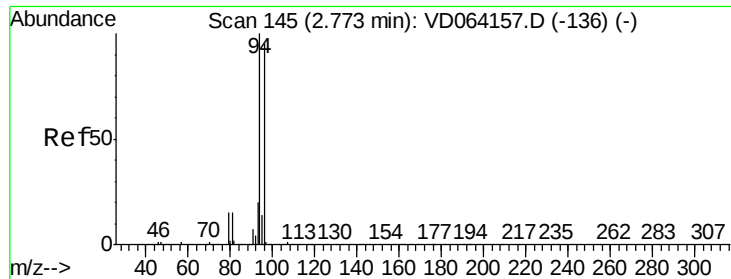
Tgt Ion: 62 Resp: 121358

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 28.597 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBSD01

Tot Ion: 94 Resp: 86339

Ion Ratio Lower Upper

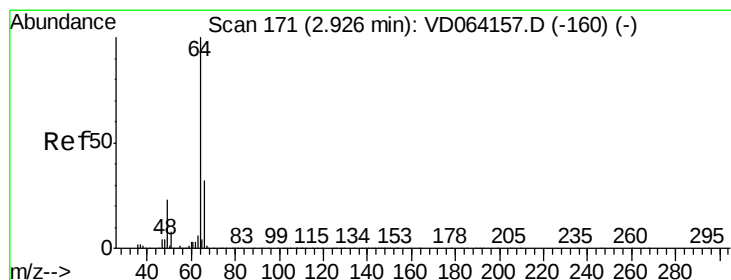
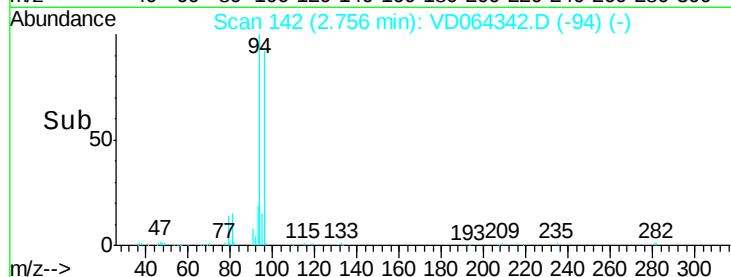
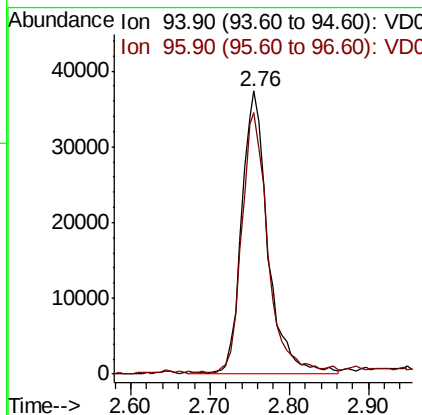
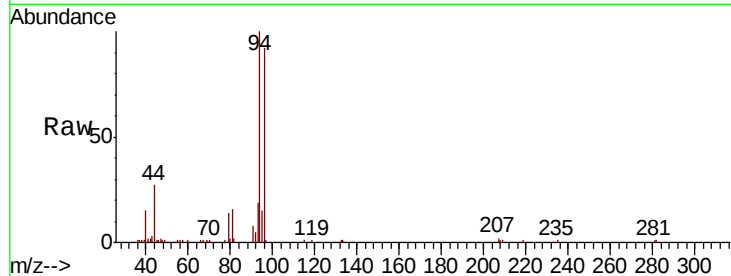
94 100

96 91.2 76.2 114.4

Manual Integrations  
APPROVED

MMDadoda

11/26/2019 1:34:46 AM



#6

Chloroethane

Concen: 26.725 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064342.D

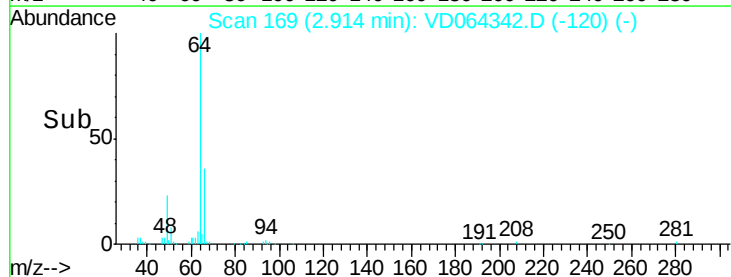
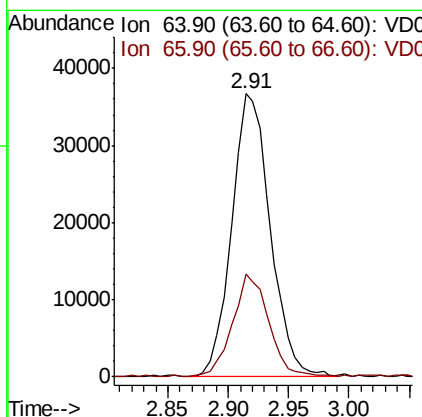
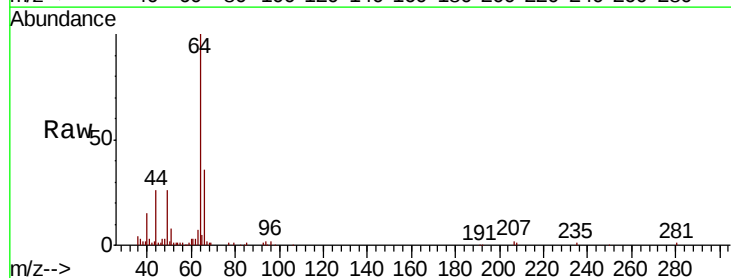
Acq: 22 Nov 2019 12:41

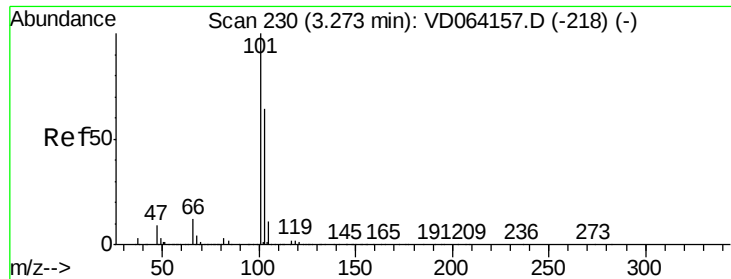
Tgt Ion: 64 Resp: 81647

Ion Ratio Lower Upper

64 100

66 36.2 25.5 38.3





#7

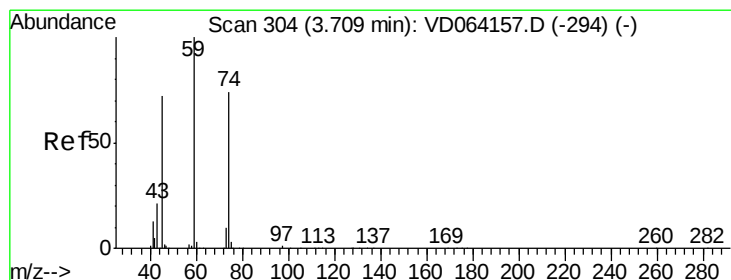
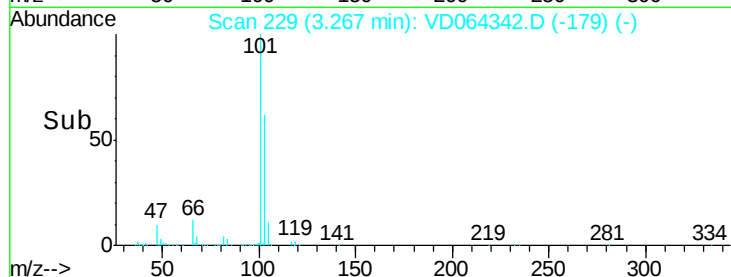
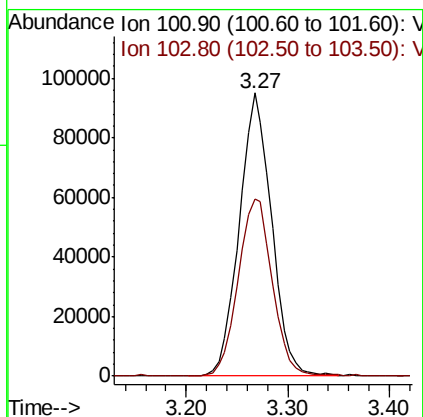
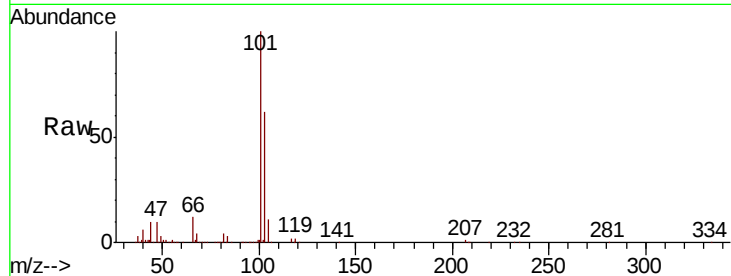
Trichlorofluoromethane  
Concen: 27.209 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 210915 |       |       |
| 103     | 62.4  | 50.8   | 76.2  |       |

Manual Integrations  
APPROVED

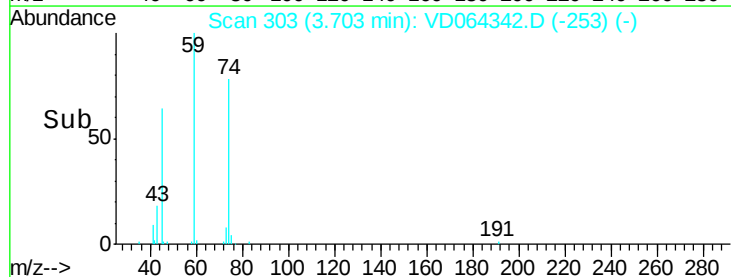
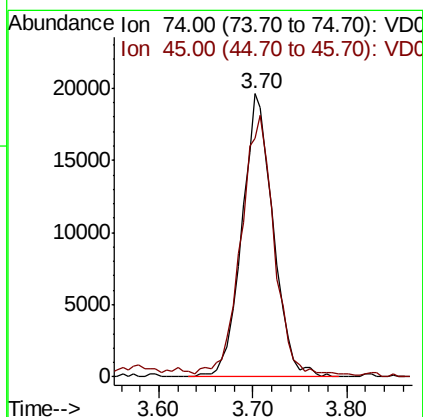
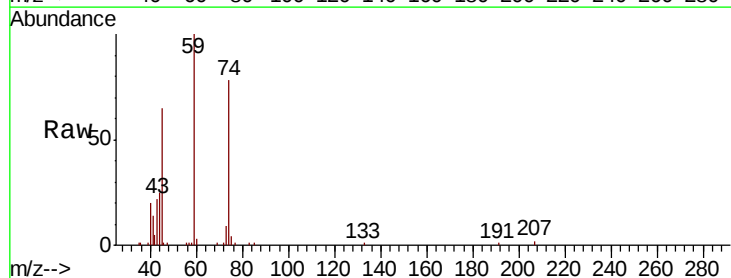
MMDadoda  
11/26/2019 1:34:46 AM

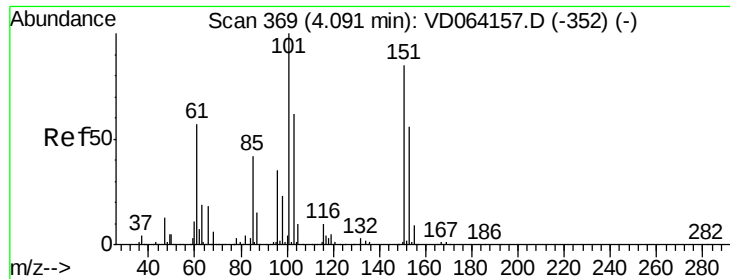


#8

Diethyl Ether  
Concen: 21.122 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 45021 |       |       |
| 45      | 96.1  | 47.9  | 143.7 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.927 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

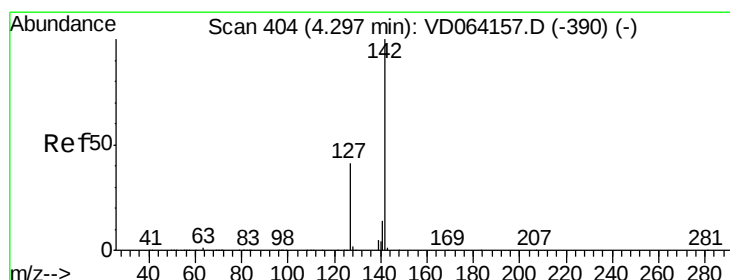
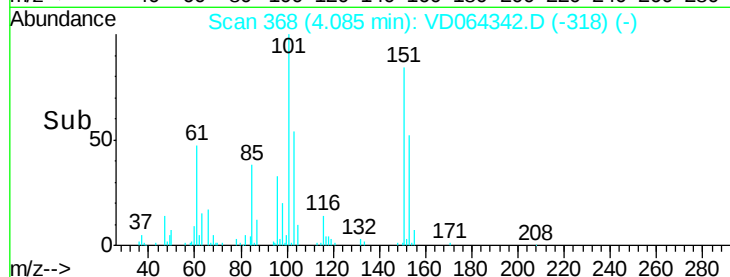
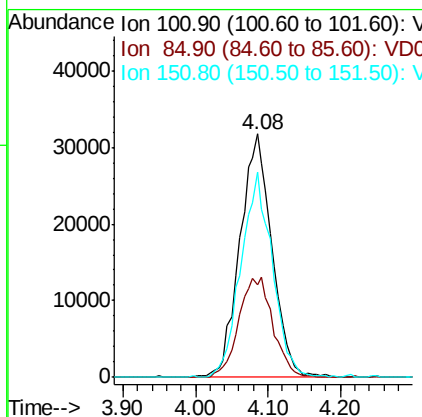
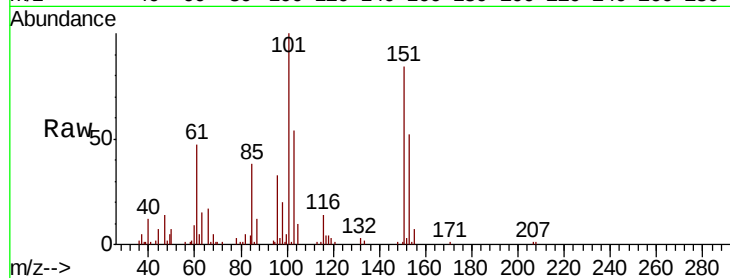
ClientSampleId :

VD1122SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 97152 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.7  | 34.4  | 51.6  |
| 151       | 82.7  | 68.1  | 102.1 |

Manual Integrations  
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11/26/2019 1:34:46 AM



#10

Methyl Iodide

Concen: 19.279 ug/l

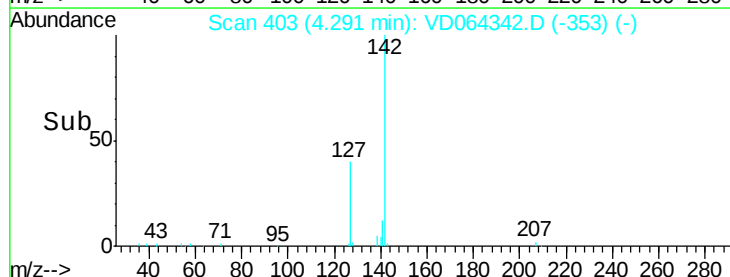
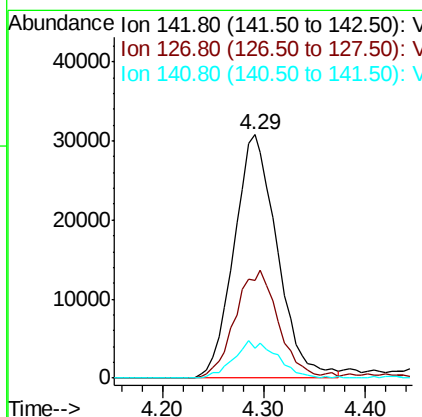
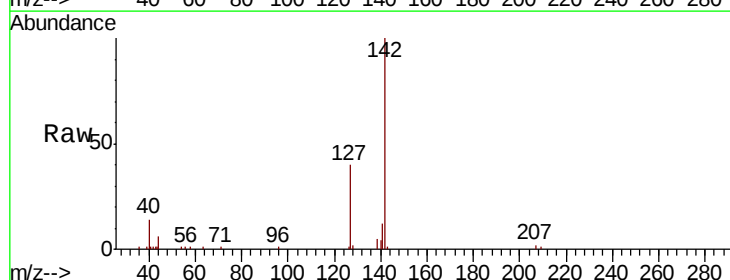
RT: 4.29 min Scan# 403

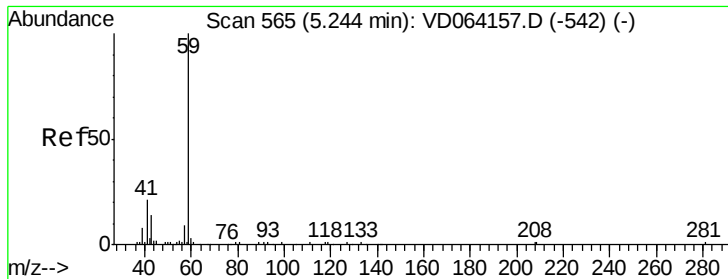
Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 90927 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.1  | 34.4  | 51.6  |
| 141       | 15.2  | 11.2  | 16.8  |





#11

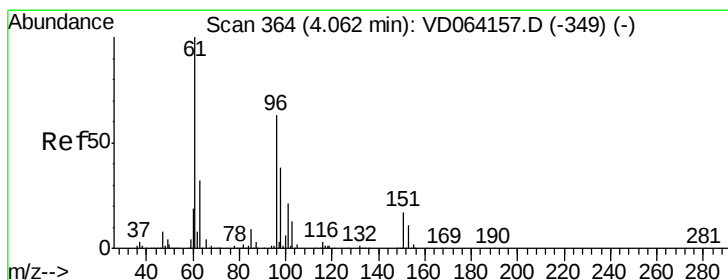
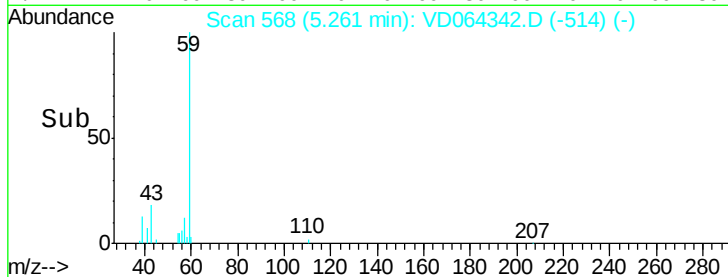
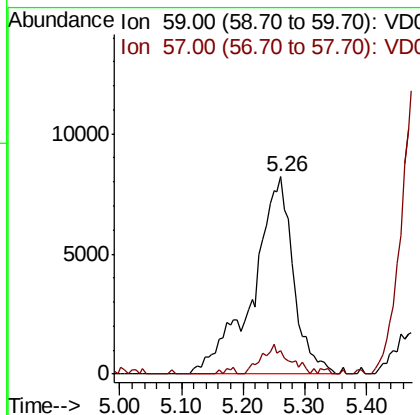
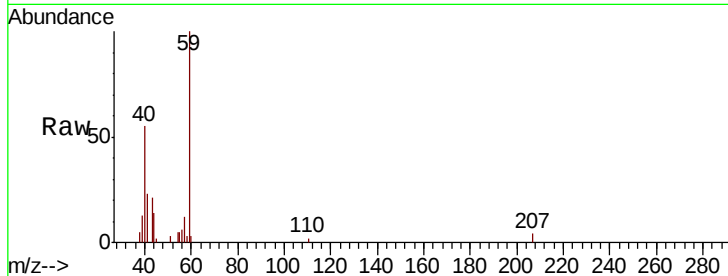
Tert butyl alcohol  
Concen: 129.037 ug/l m  
RT: 5.26 min Scan# 568  
Delta R.T. 0.02 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

Tot Ion: 59 Resp: 37254  
Ion Ratio Lower Upper  
59 100  
57 10.0 9.4 14.2

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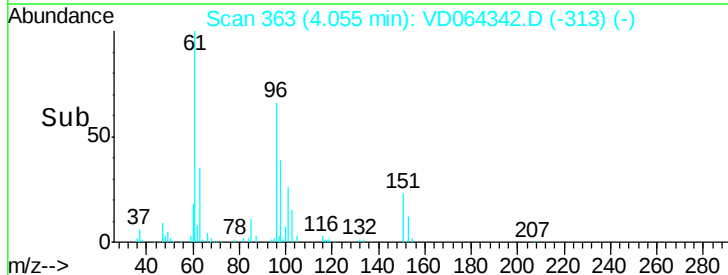
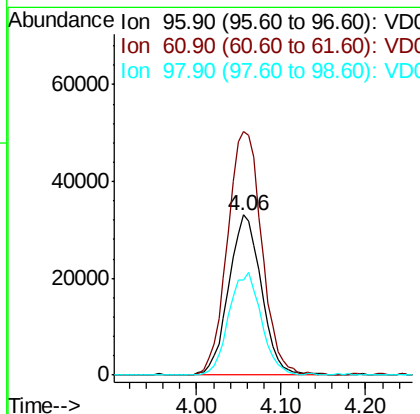
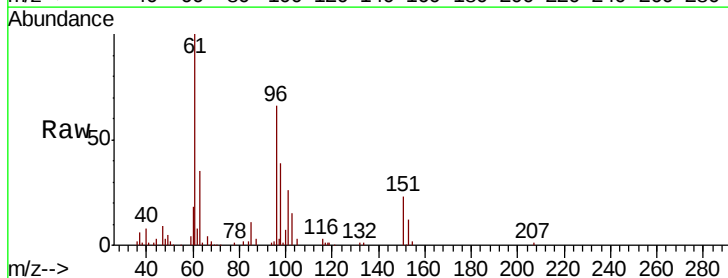
MMDadoda  
11/26/2019 1:34:46 AM

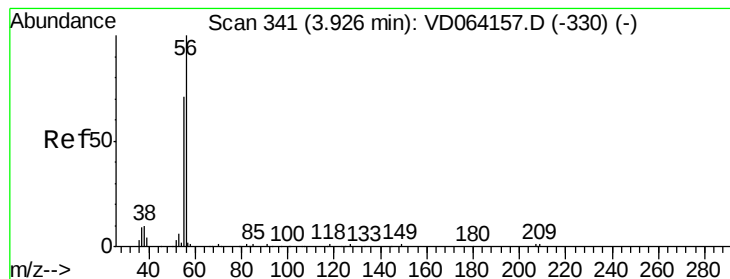


#12

1,1-Dichloroethene  
Concen: 20.998 ug/l  
RT: 4.06 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Tgt Ion: 96 Resp: 88677  
Ion Ratio Lower Upper  
96 100  
61 151.9 127.4 191.2  
98 59.4 48.1 72.1





#13

Acrolein

Concen: 74.185 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBSD01

Tot Ion: 56 Resp: 18119

Ion Ratio Lower Upper

56 100

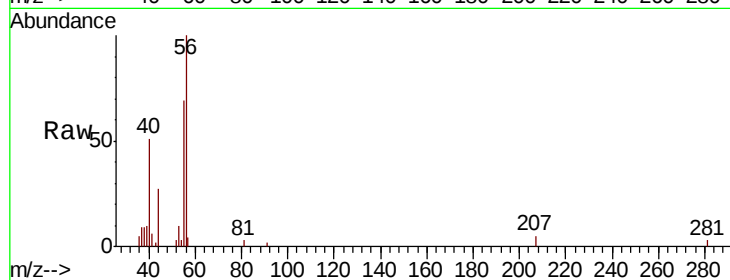
55 77.0 56.1 84.1

Manual Integrations

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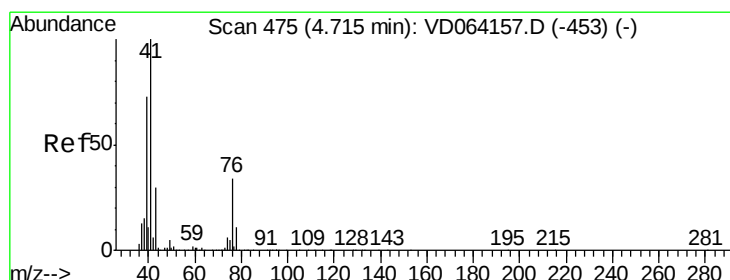
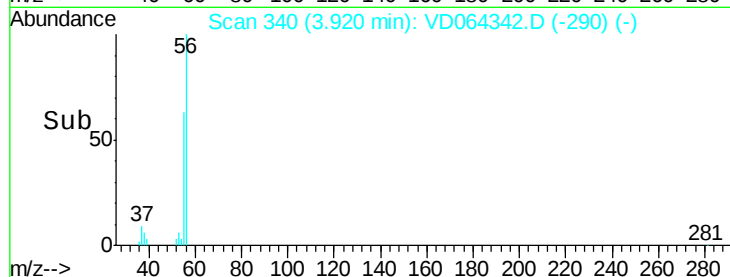
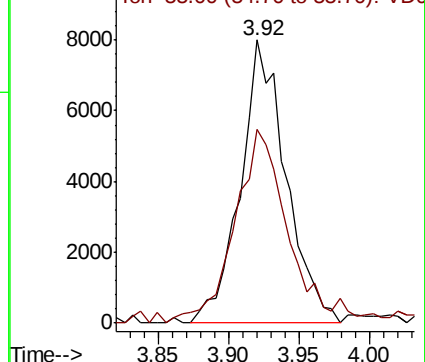
MMDadoda

11/26/2019 1:34:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.875 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

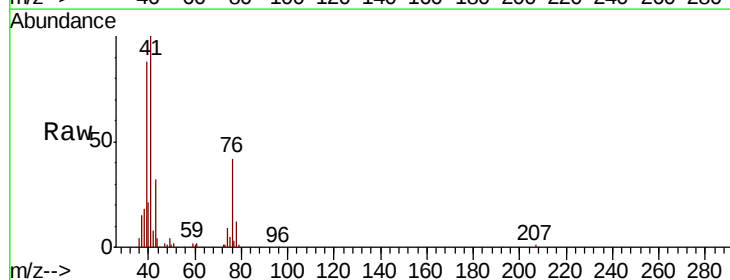
Tgt Ion: 41 Resp: 140936

Ion Ratio Lower Upper

41 100

39 76.8 57.5 86.3

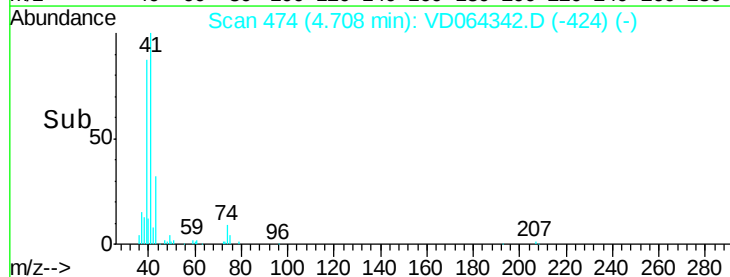
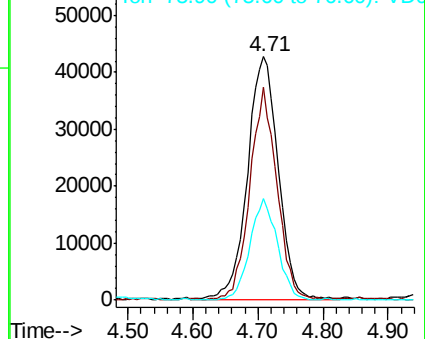
76 37.0 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 110.929 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

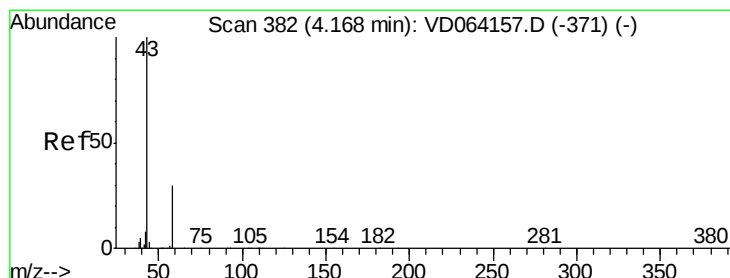
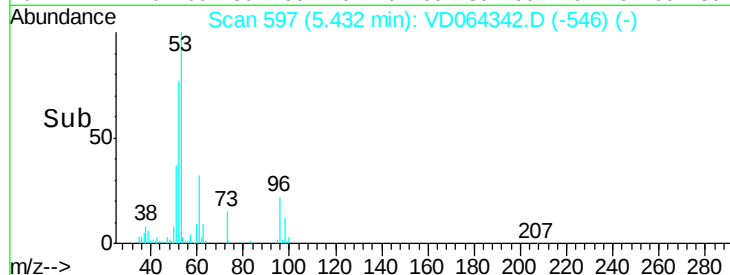
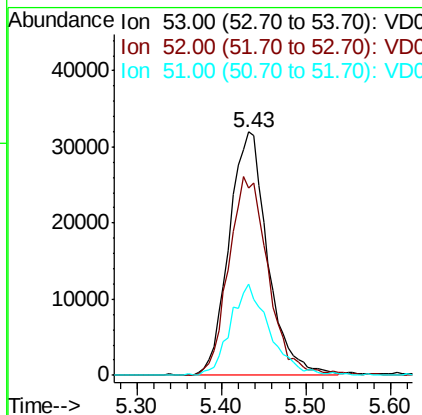
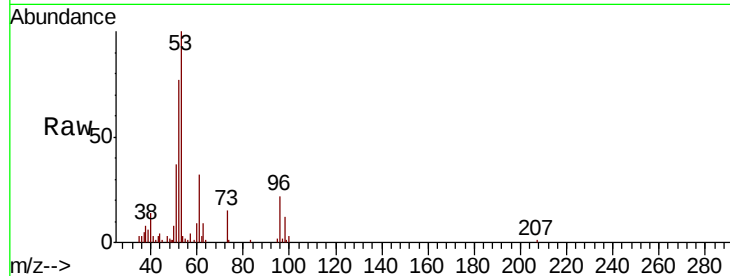
ClientSampleId :

VD1122SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 100797 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.0  | 66.7  | 100.1  |
| 51       | 37.8  | 30.6  | 46.0   |

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#16

Acetone

Concen: 87.141 ug/l

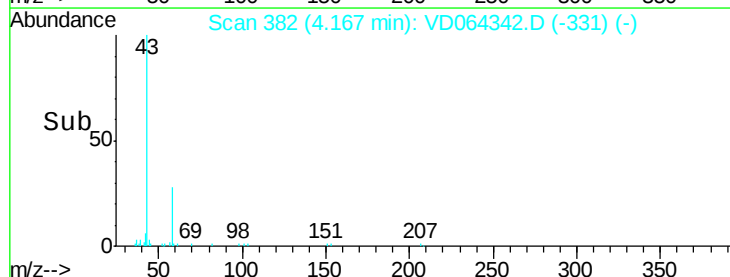
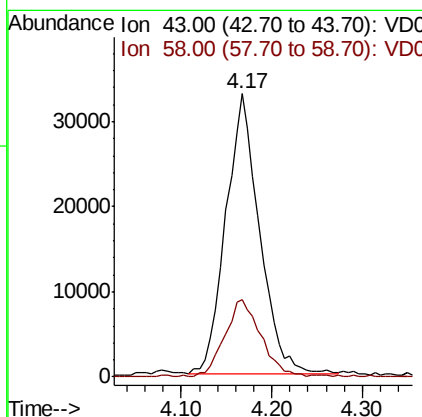
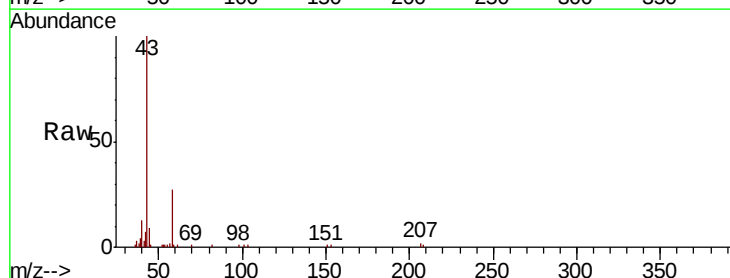
RT: 4.17 min Scan# 382

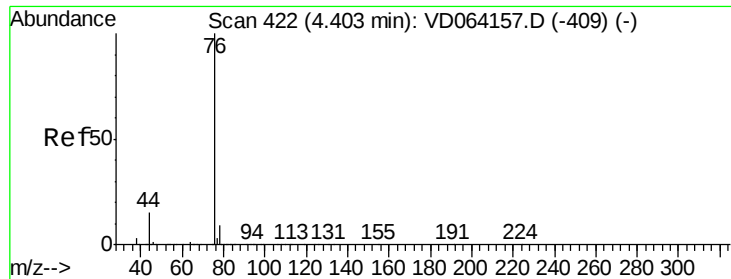
Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 85331 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.7  | 24.1  | 36.1  |





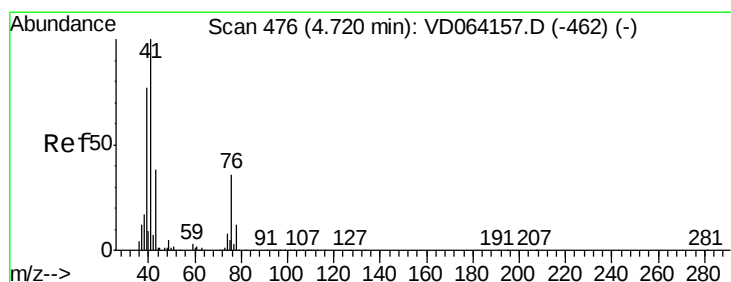
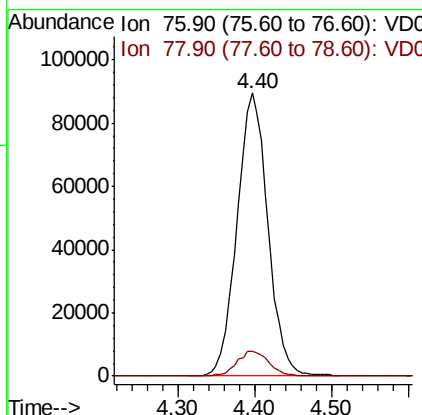
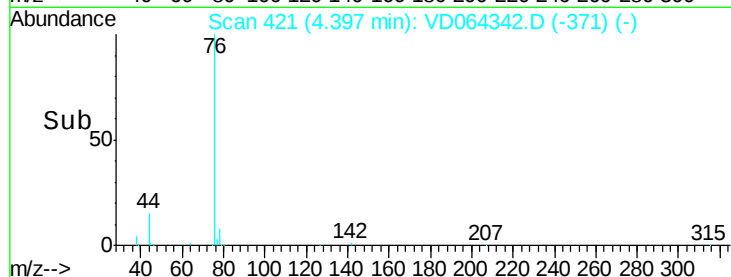
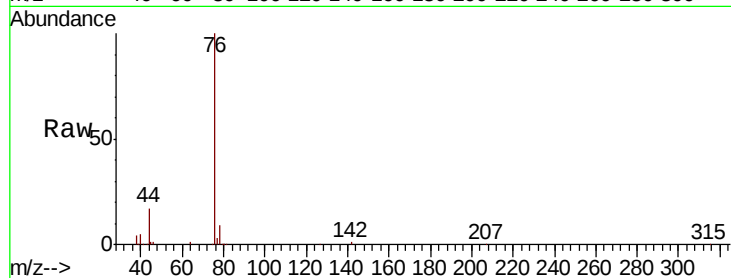
#17  
Carbon Disulfide  
Concen: 19.094 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.7   | 7.2   | 10.8  |

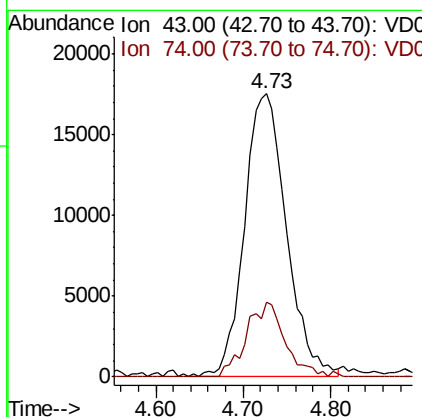
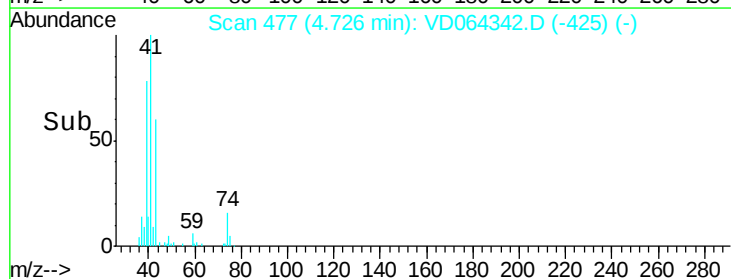
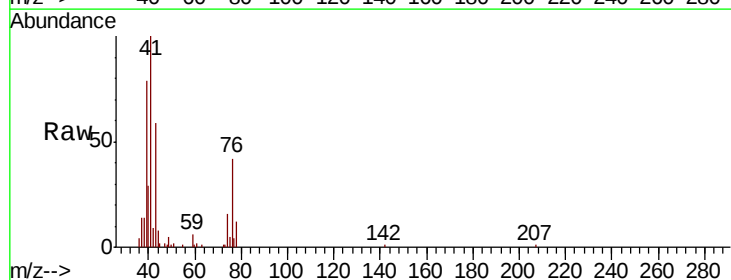
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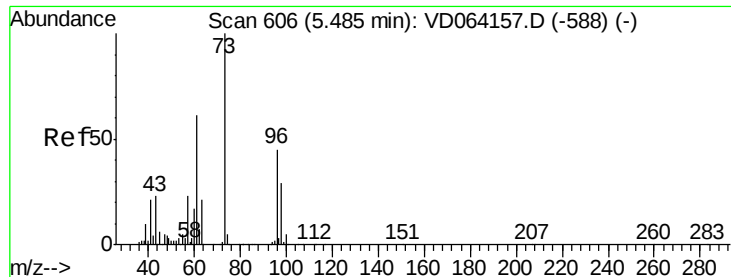
MMDadoda  
11/26/2019 1:34:46 AM



#18  
Methyl Acetate  
Concen: 21.005 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.0  | 18.4  | 27.6  |





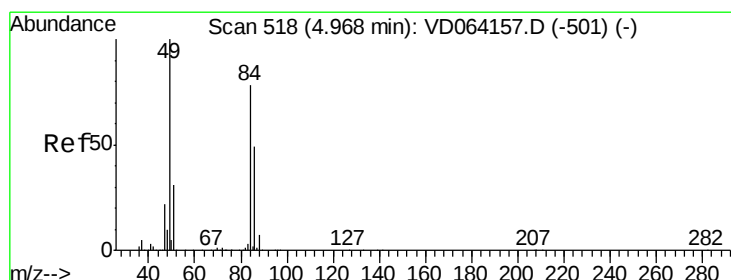
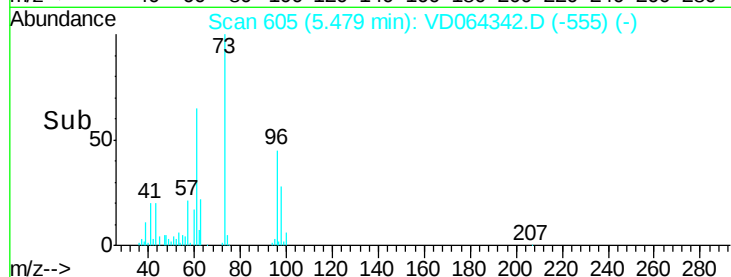
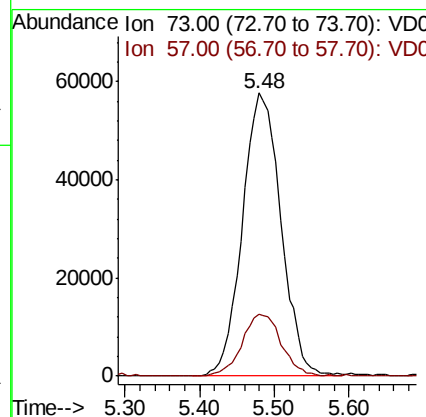
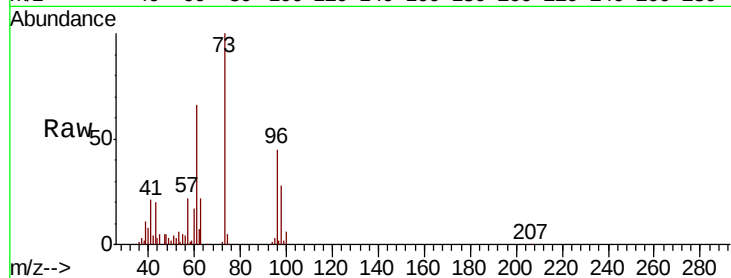
#19  
Methvl tert-butvl Ether  
Concen: 20.517 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.8  | 18.4  | 27.6  |

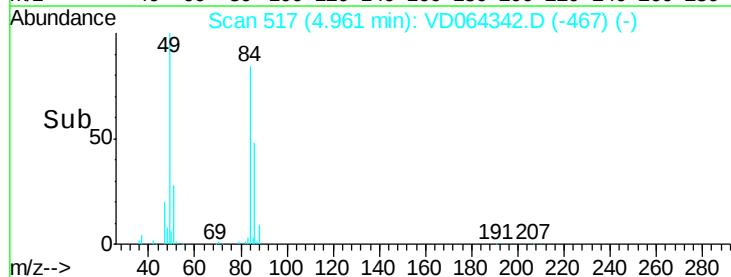
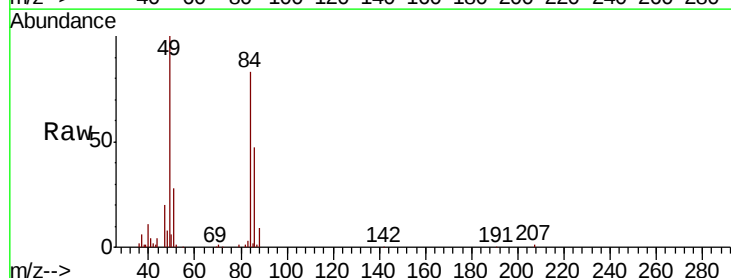
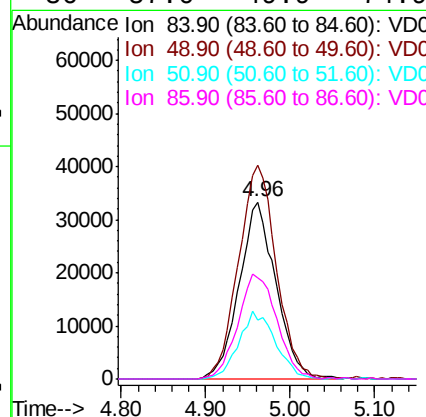
Manual Integrations  
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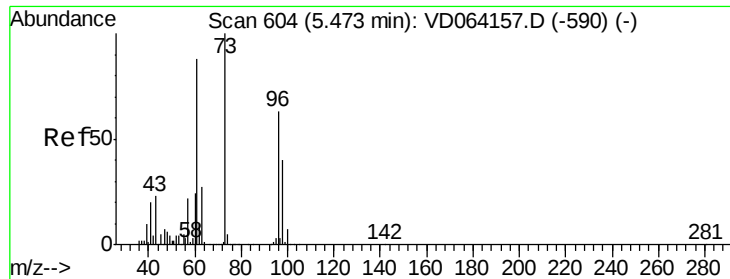
MMDadoda  
11/26/2019 1:34:46 AM



#20  
Methylene Chloride  
Concen: 20.259 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 120.8 | 102.1 | 153.1 |
| 51      | 33.3  | 32.2  | 48.2  |
| 86      | 57.0  | 49.9  | 74.9  |





#21

trans-1,2-Dichloroethene

Concen: 20.340 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

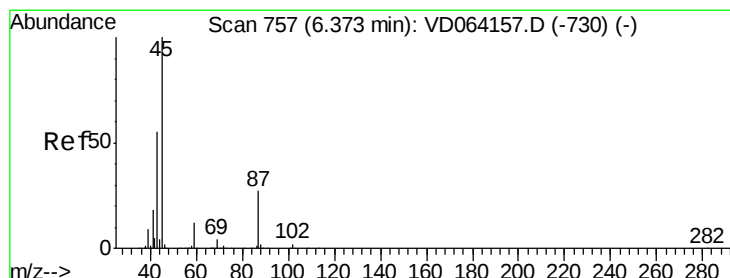
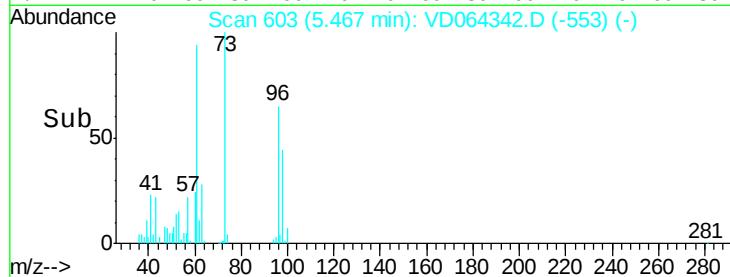
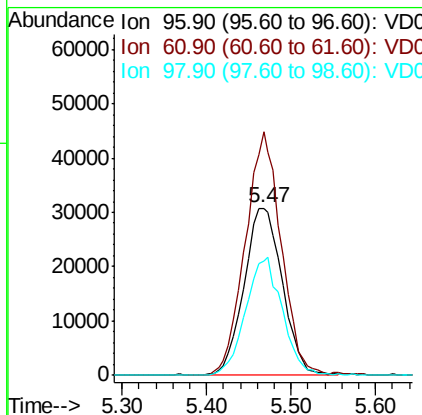
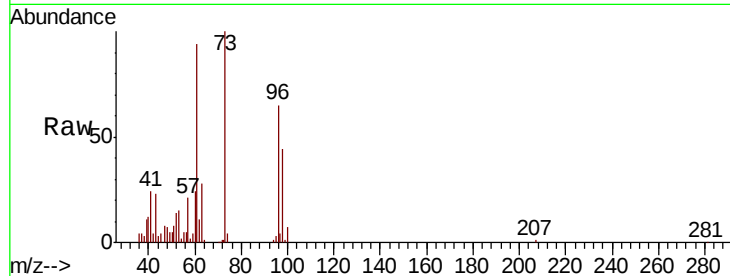
ClientSampleId :

VD1122SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 97323 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 145.6 | 111.8 | 167.6 |
| 98       | 68.4  | 50.3  | 75.5  |

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MMDadoda  
11/26/2019 1:34:46 AM



#22

Diisopropyl ether

Concen: 19.796 ug/l

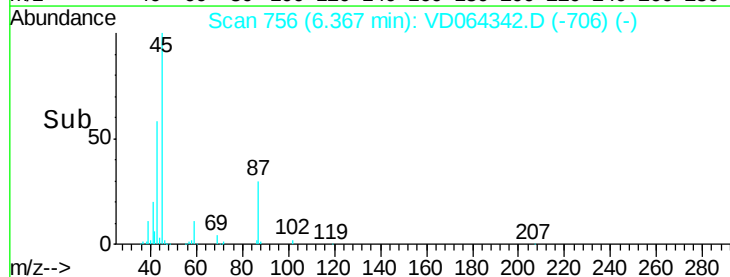
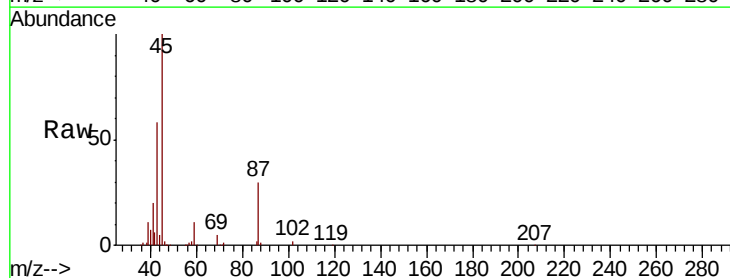
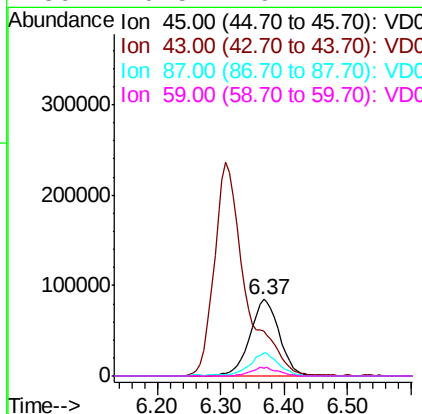
RT: 6.37 min Scan# 756

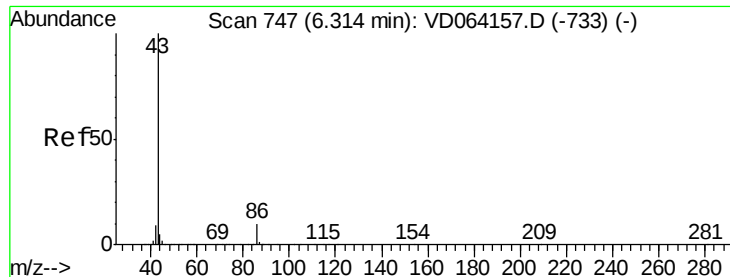
Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 274257 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.2  | 44.4  | 66.6   |
| 87       | 29.3  | 21.9  | 32.9   |
| 59       | 10.5  | 9.4   | 14.2   |





#23

Vinyl Acetate

Concen: 104.472 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBS01

Tot Ion: 43 Resp: 806806

Ion Ratio Lower Upper

43 100

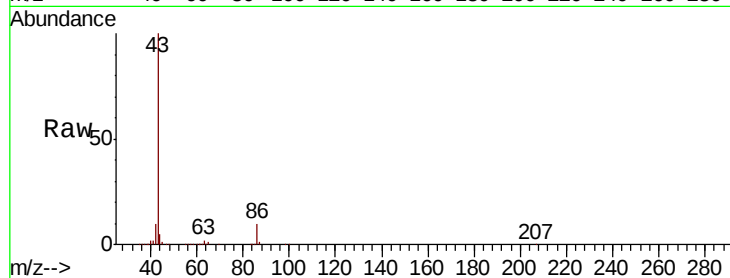
86 10.0 8.2 12.2

Manual Integrations

APPROVED

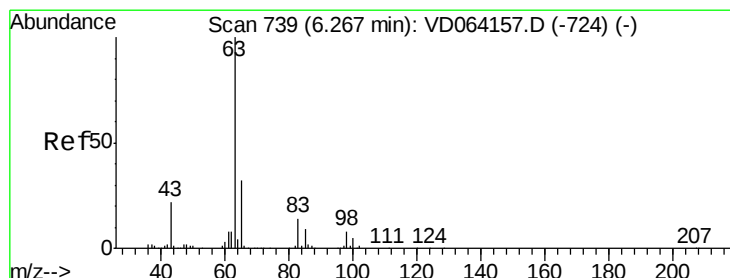
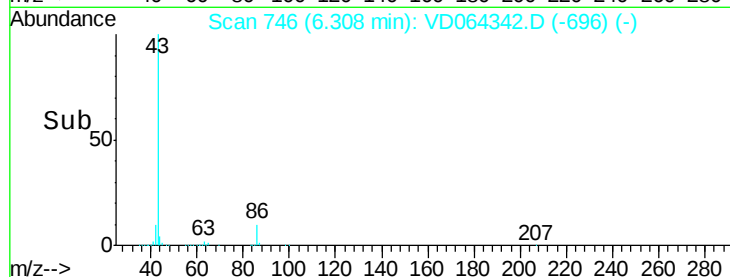
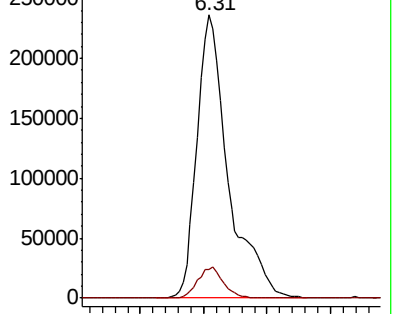
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.778 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

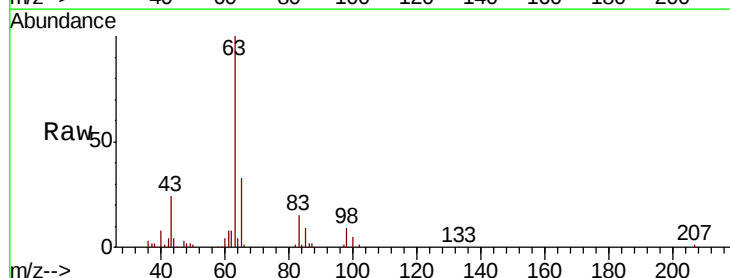
Tgt Ion: 63 Resp: 167145

Ion Ratio Lower Upper

63 100

98 8.6 3.8 11.4

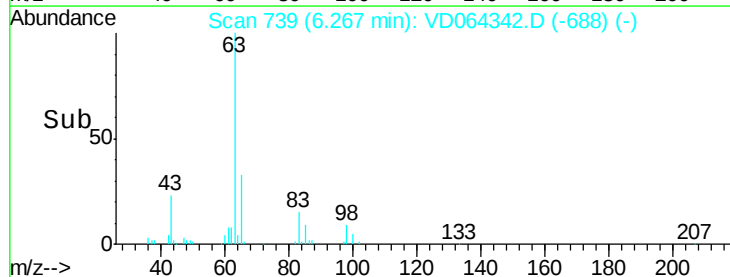
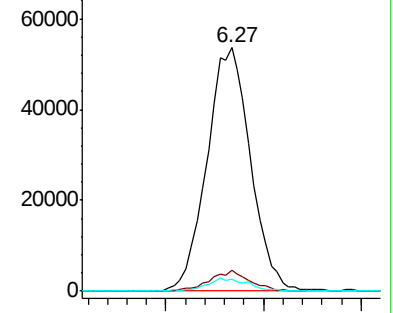
100 4.6 2.4 7.2



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





#25

2-Butanone

Concen: 102.601 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBS01

Tot Ion: 43 Resp: 129802

Ion Ratio Lower Upper

43 100

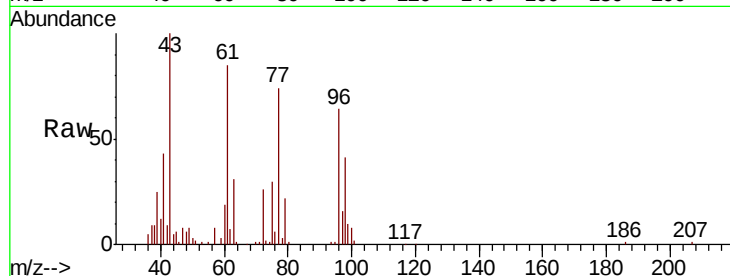
72 26.2 20.6 30.8

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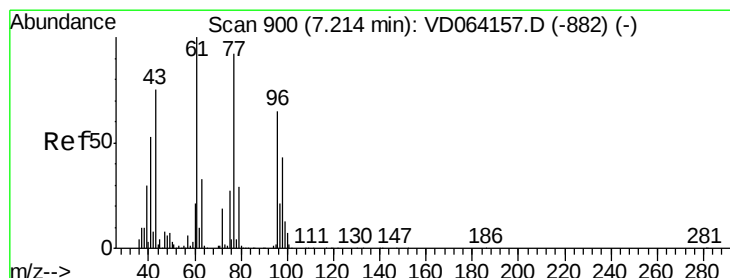
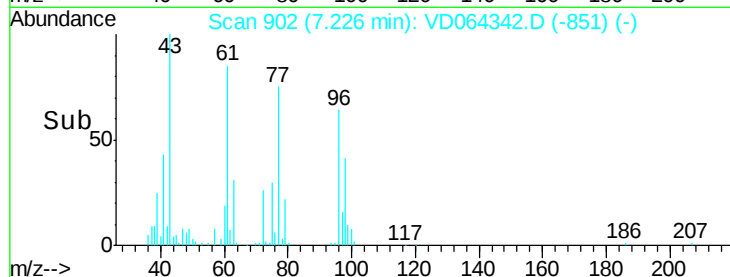
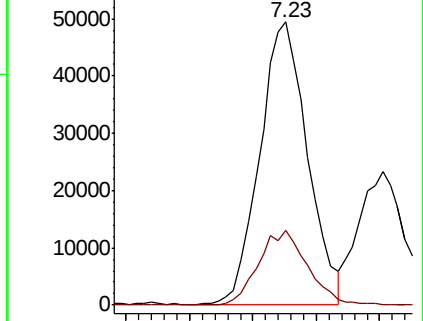
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.445 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064342.D

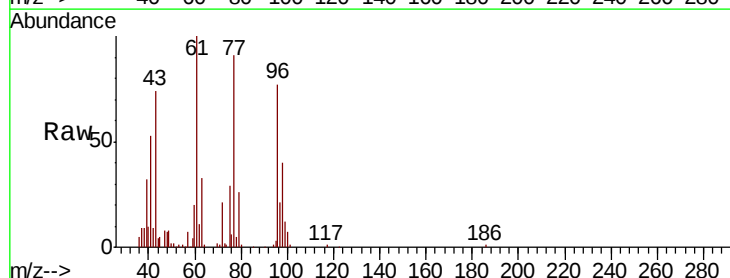
Acq: 22 Nov 2019 12:41

Tgt Ion: 77 Resp: 153398

Ion Ratio Lower Upper

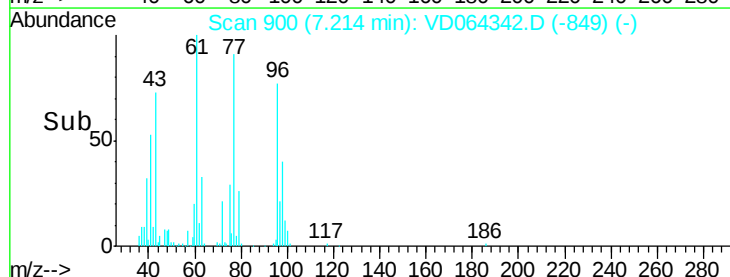
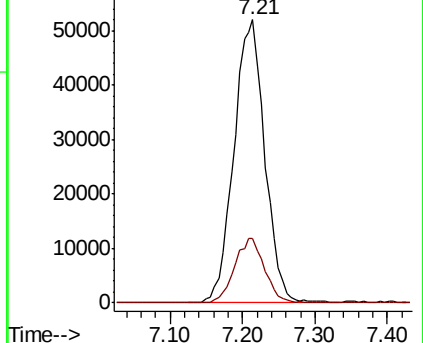
77 100

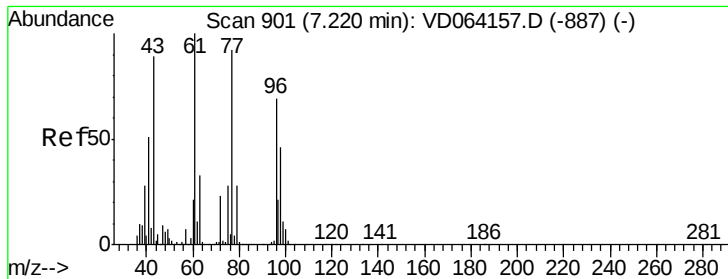
97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

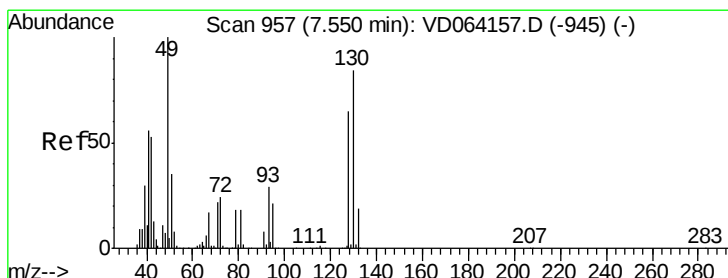
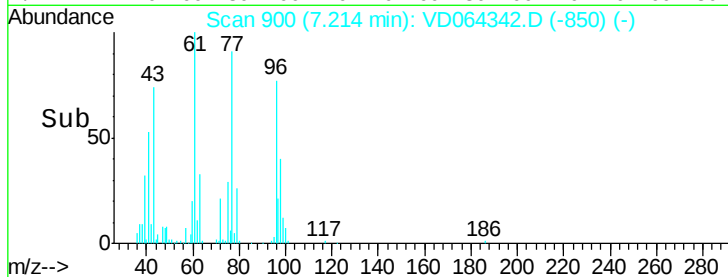
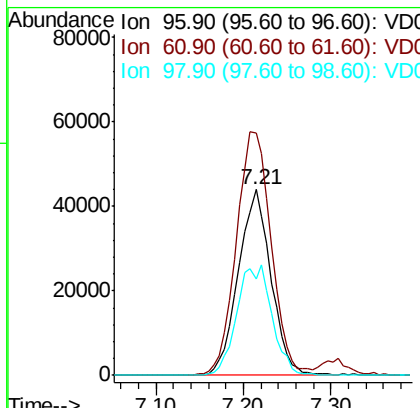
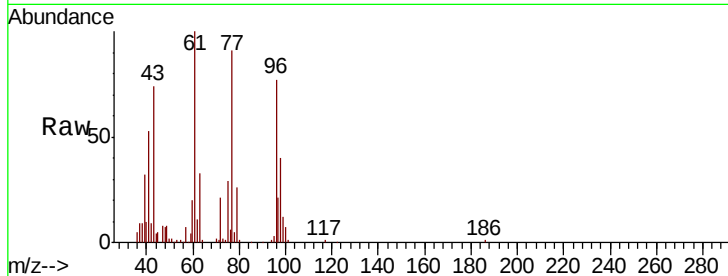
cis-1,2-Dichloroethene  
 Concen: 21.683 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 111255 |       |       |
| 61      | 140.3 | 0.0    | 301.4 |       |
| 98      | 63.4  | 0.0    | 133.2 |       |

Manual Integrations  
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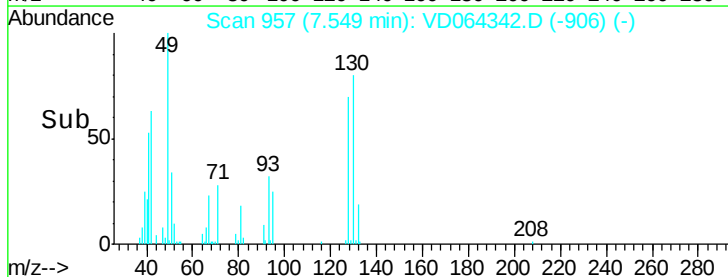
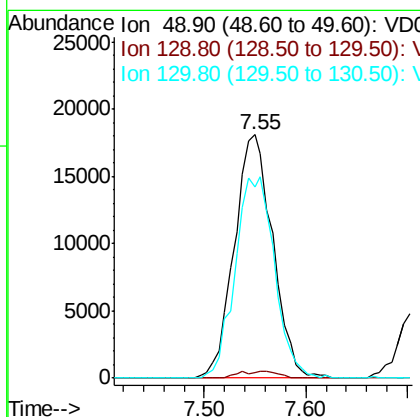
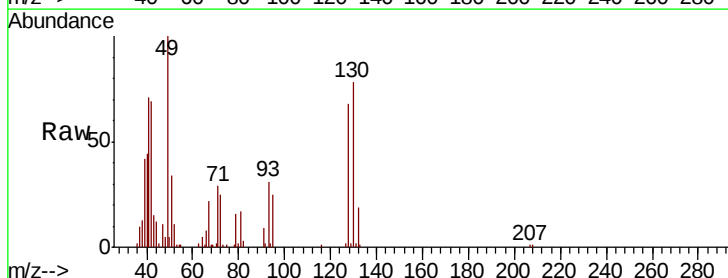
MMDadoda  
 11/26/2019 1:34:46 AM

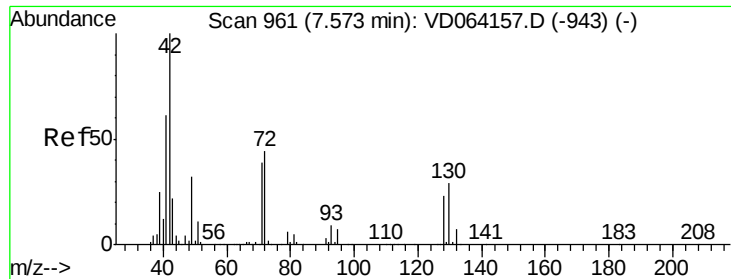


#28

Bromochloromethane  
 Concen: 16.976 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 47543 |       |       |
| 129     | 1.4   | 0.0   | 4.4   |       |
| 130     | 84.9  | 66.8  | 100.2 |       |





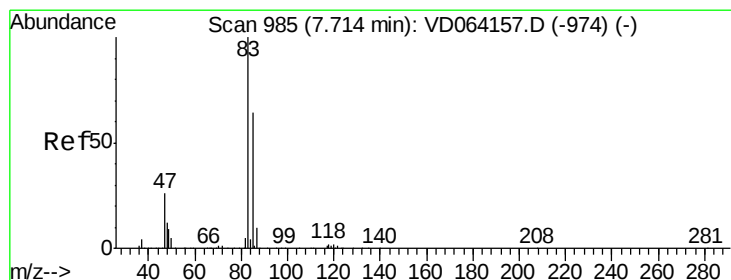
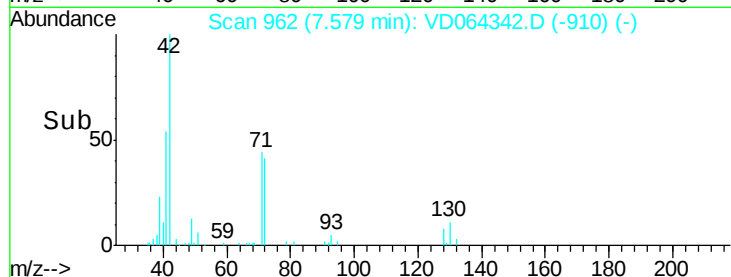
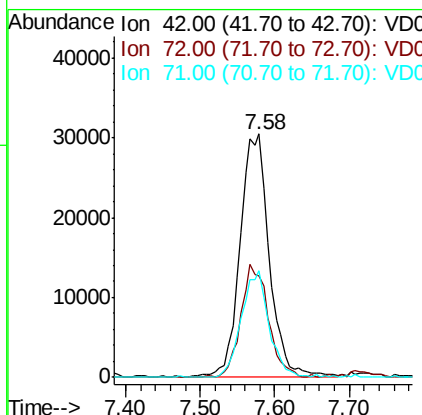
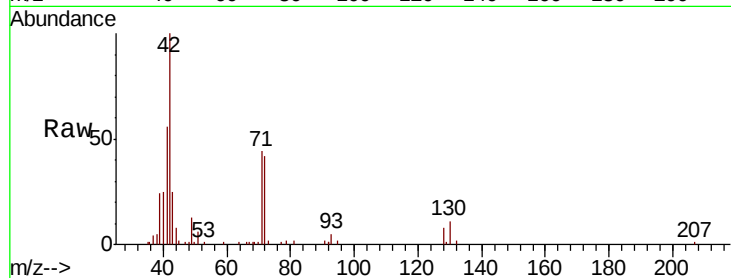
#29  
Tetrahydrofuran  
Concen: 109.740 ug/l  
RT: 7.58 min Scan# 962  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.1  | 33.4  | 50.2  |
| 71      | 40.8  | 31.0  | 46.4  |

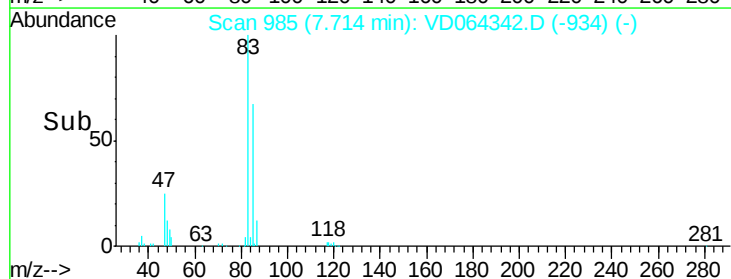
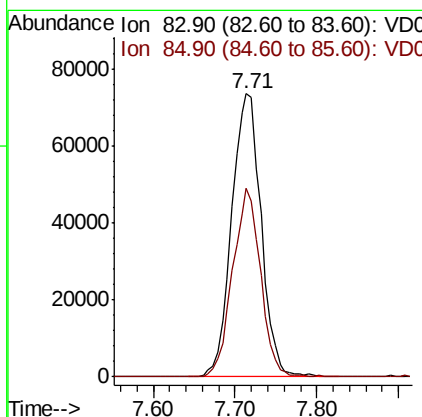
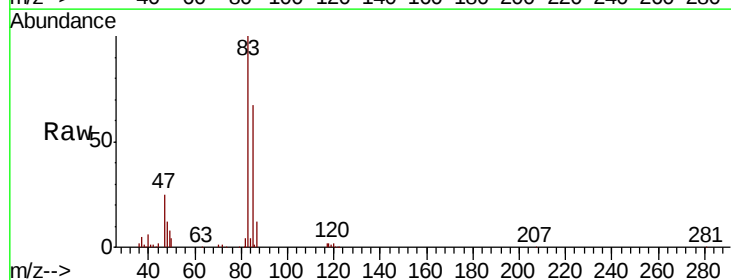
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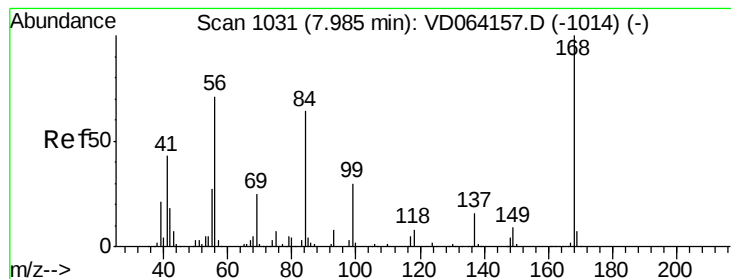
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11/26/2019 1:34:46 AM



#30  
Chloroform  
Concen: 22.322 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.6  | 51.4  | 77.0  |





#31

Cyclohexane

Concen: 19.261 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

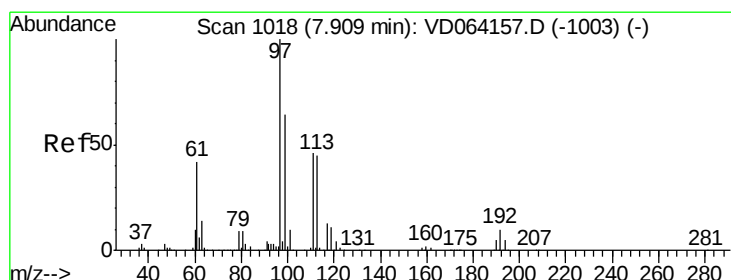
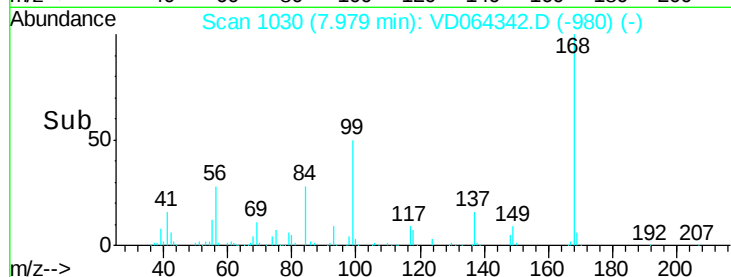
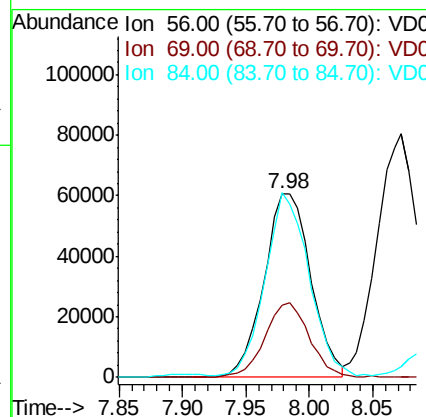
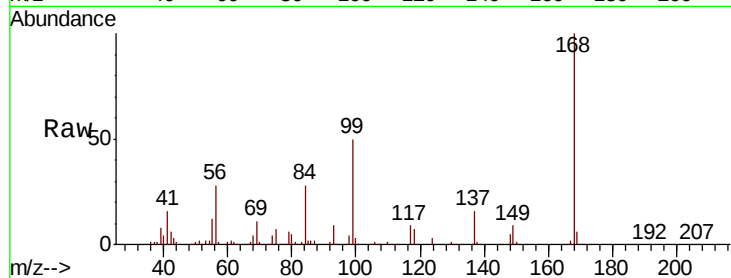
ClientSampleID :

VD1122SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 156263 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 39.1  | 28.2  | 42.4   |
| 84        | 98.7  | 71.8  | 107.6  |

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#32

1,1,1-Trichloroethane

Concen: 20.922 ug/l

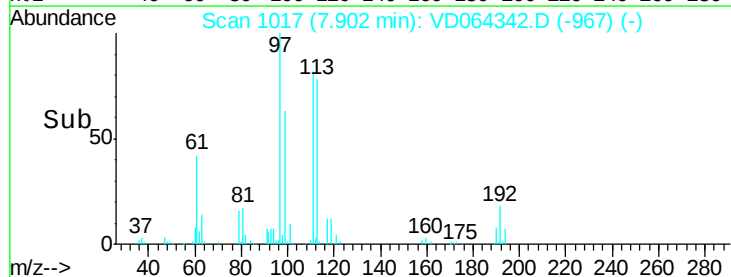
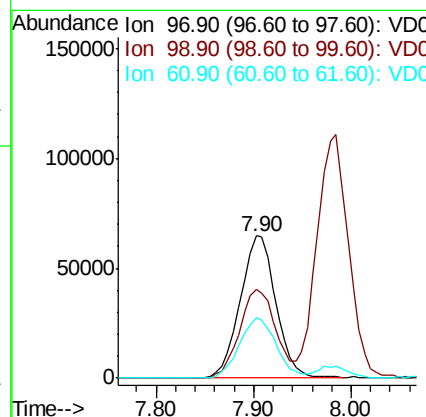
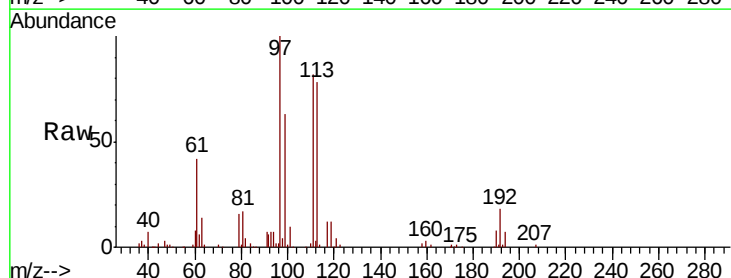
RT: 7.90 min Scan# 1017

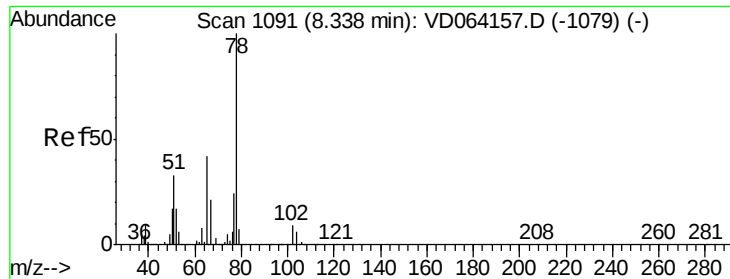
Delta R.T. -0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 164843 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.9  | 51.6  | 77.4   |
| 61        | 43.5  | 34.2  | 51.2   |





#33

1,2-Dichloroethane-d4

Concen: 48.420 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBSD01

Tot Ion: 65 Resp: 200146

Ion Ratio Lower Upper

65 100

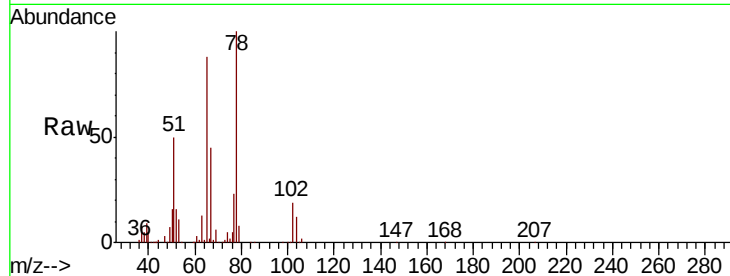
67 52.9 0.0 104.4

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

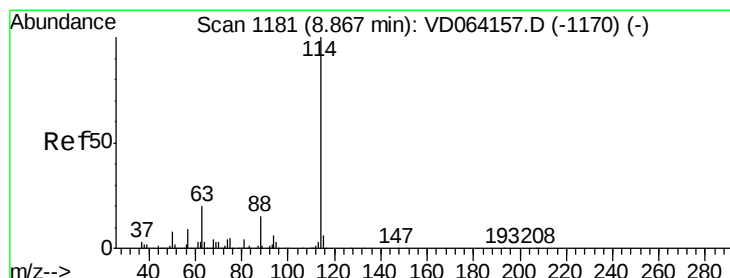
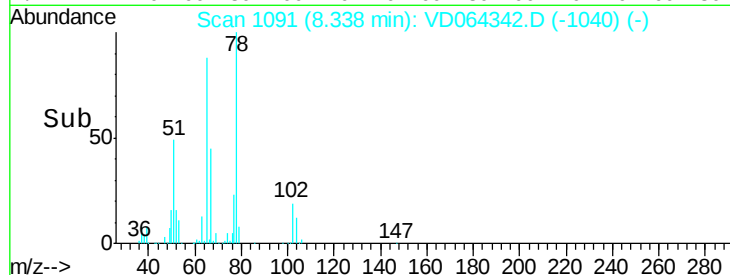
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

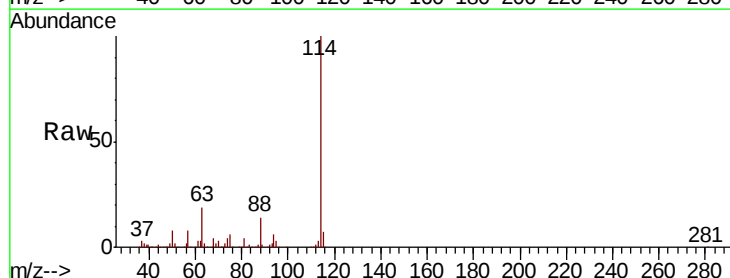
Tgt Ion: 114 Resp: 709402

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

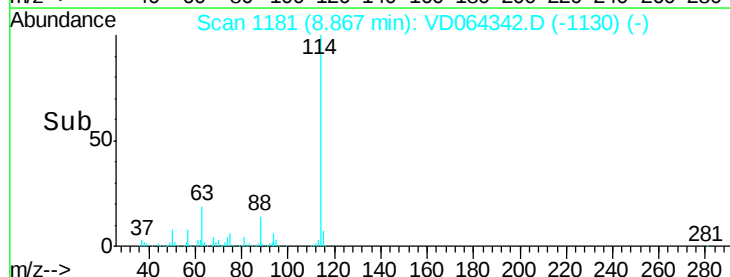
300000

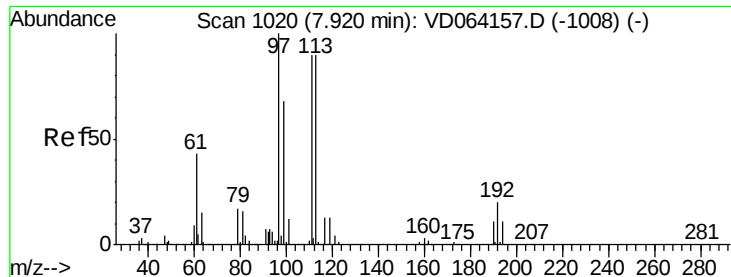
200000

100000

0

Time-->





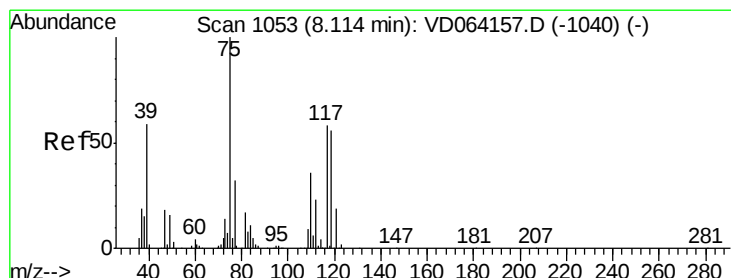
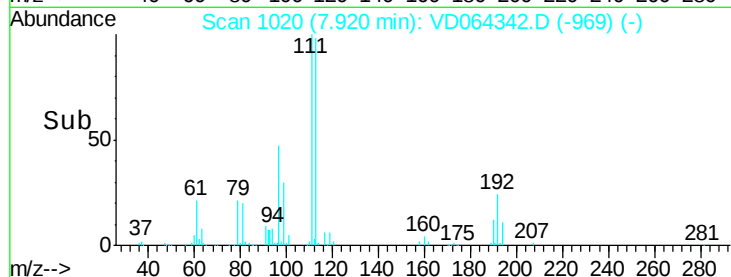
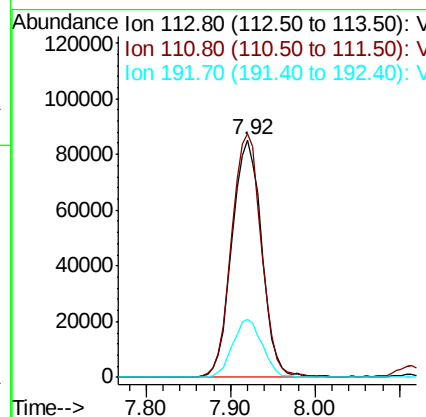
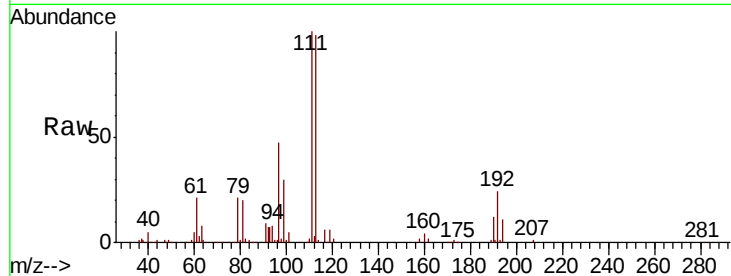
#35  
Dibromofluoromethane  
Concen: 50.818 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 206935 |       |       |
| 111     | 103.0 |        | 81.5  | 122.3 |
| 192     | 24.5  |        | 18.8  | 28.2  |

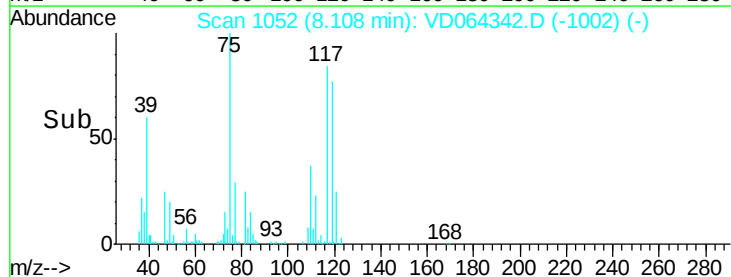
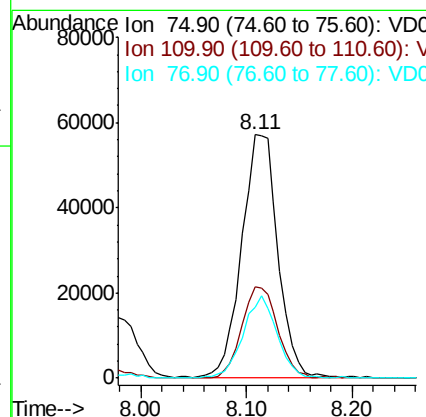
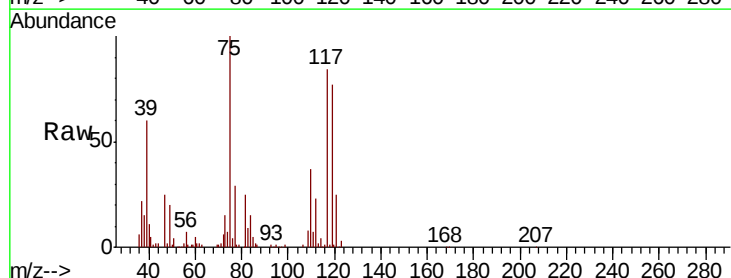
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#36  
1,1-Dichloropropene  
Concen: 20.645 ug/l  
RT: 8.11 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 135165 |       |       |
| 110     | 37.6  |        | 18.3  | 54.9  |
| 77      | 31.9  |        | 25.0  | 37.6  |





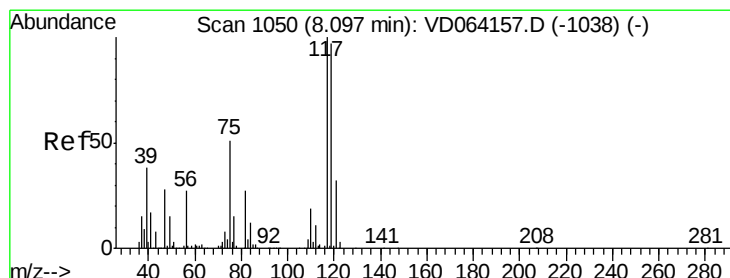
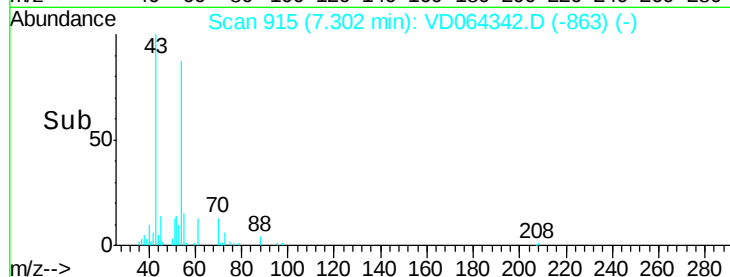
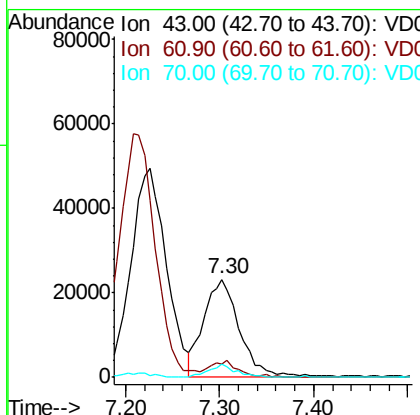
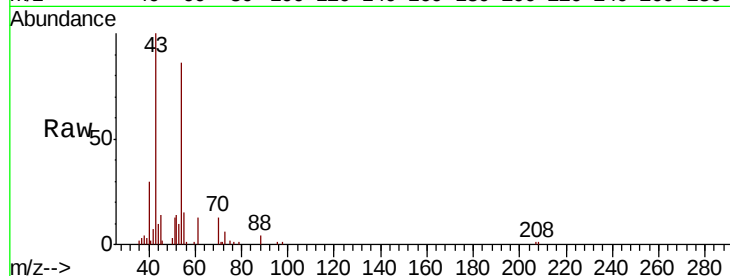
#37  
Ethyl Acetate  
Concen: 22.021 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 10.9  | 10.2  | 15.2  |
| 70      | 10.3  | 8.5   | 12.7  |

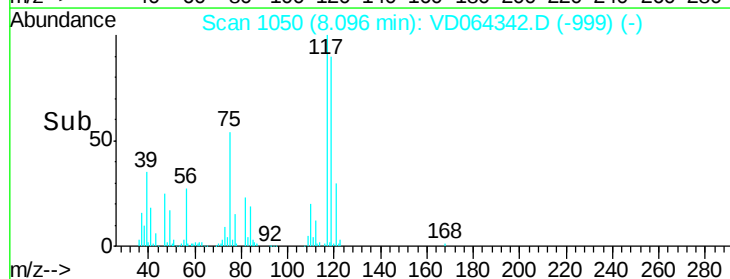
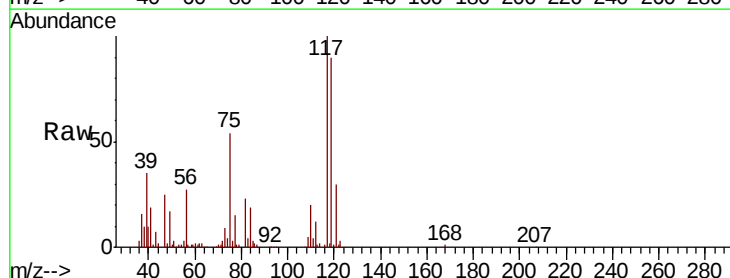
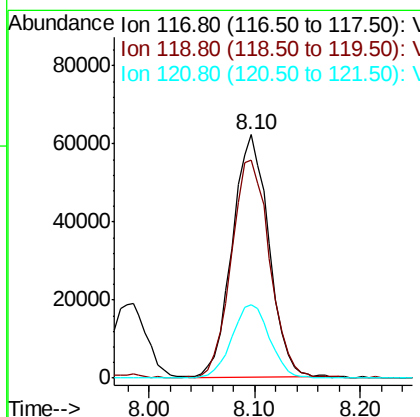
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 21.270 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 89.6  | 77.2  | 115.8 |
| 121     | 30.4  | 25.5  | 38.3  |





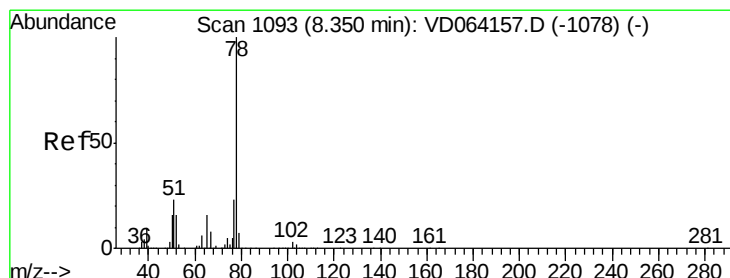
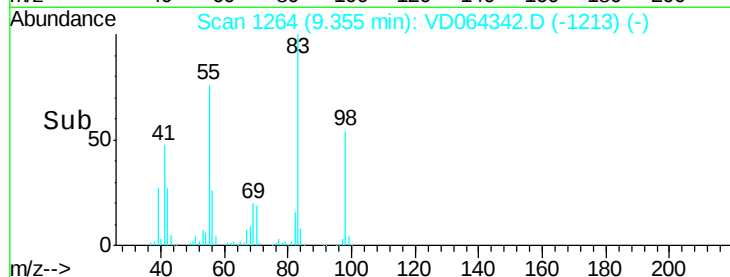
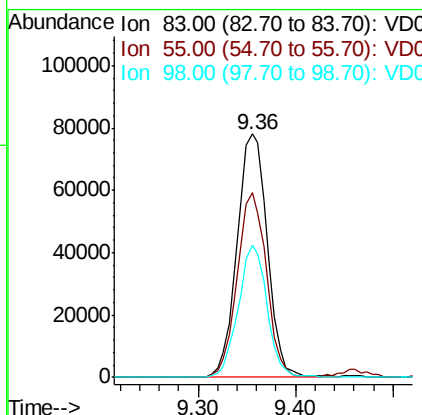
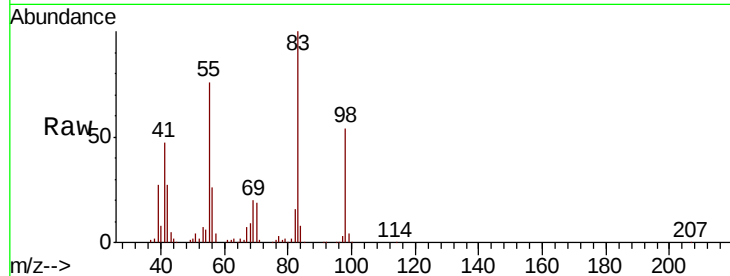
#39  
Methvlcvclohexane  
Concen: 20.439 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.9  | 61.7  | 92.5  |
| 98      | 54.1  | 38.6  | 58.0  |

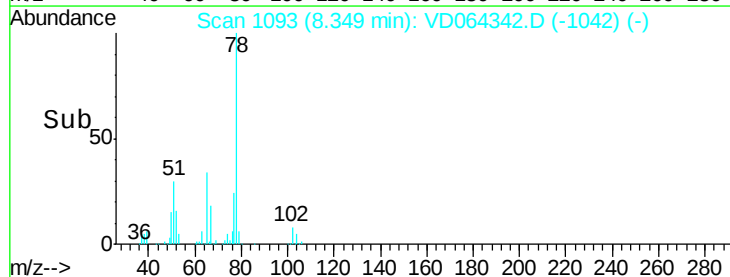
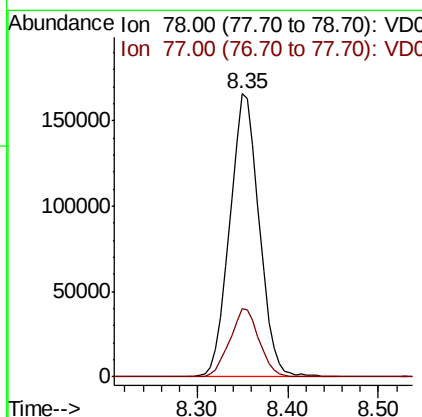
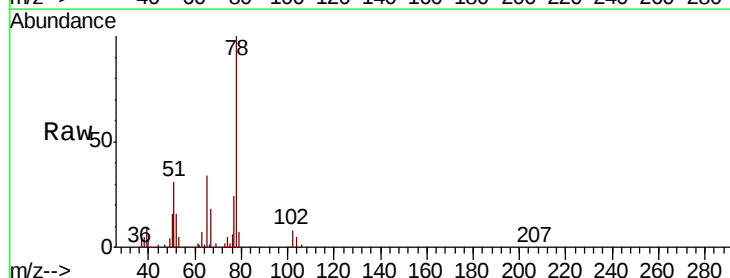
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#40  
Benzene  
Concen: 20.963 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.2  | 18.6  | 28.0  |





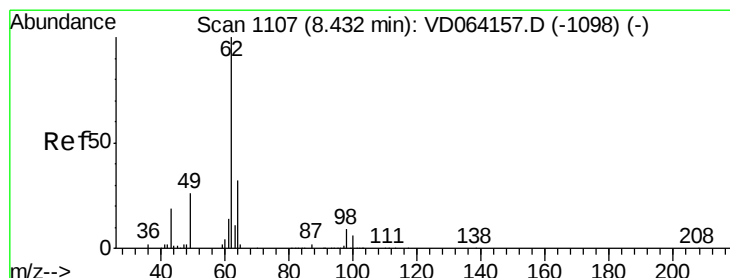
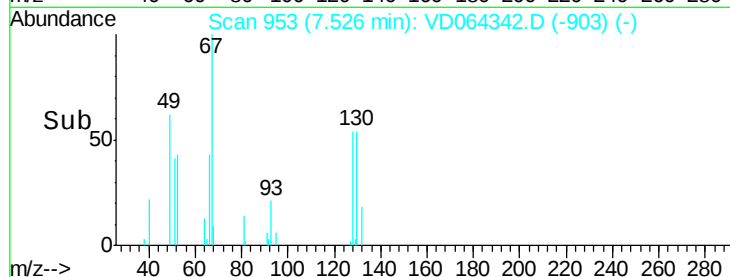
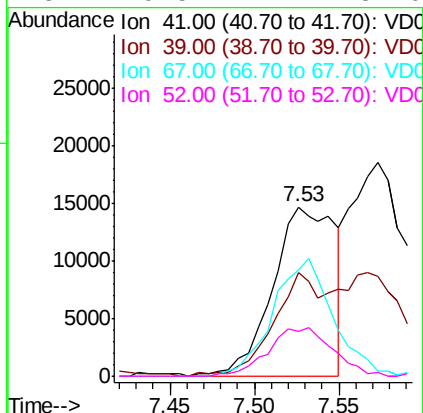
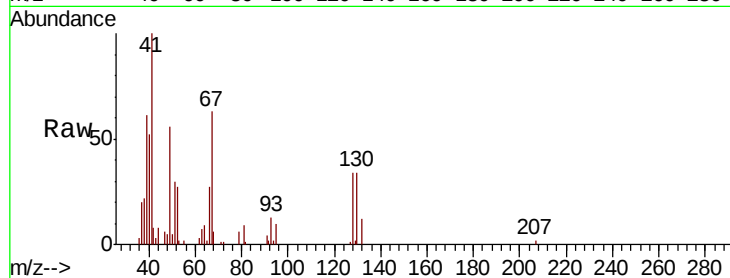
#41  
Methacrylonitrile  
Concen: 21.709 ug/l  
RT: 7.53 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 42.9  | 49.4  | 74.2# |
| 67      | 67.6  | 49.6  | 74.4  |
| 52      | 29.5  | 21.4  | 32.0  |

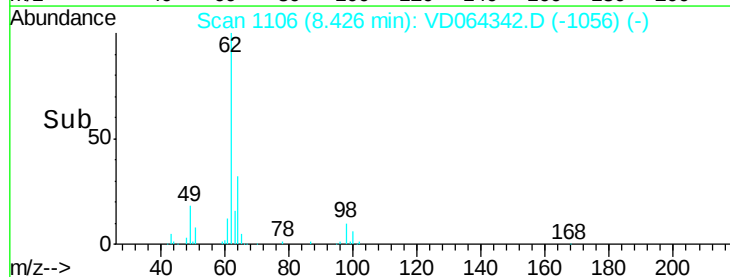
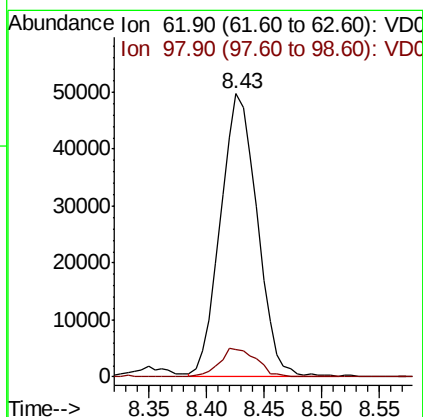
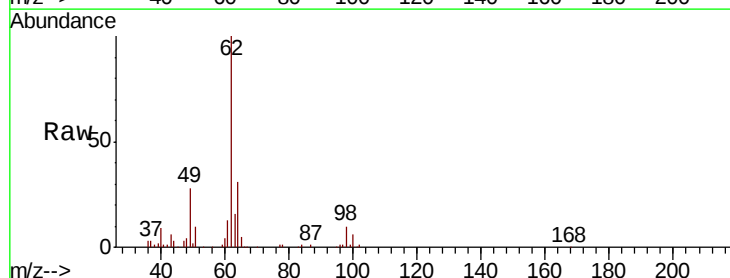
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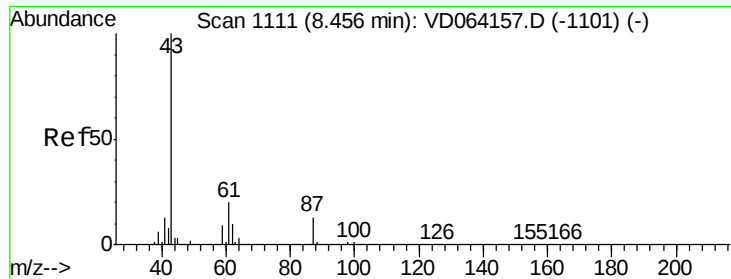
MMDadoda  
11/26/2019 1:34:46 AM



#42  
1,2-Dichloroethane  
Concen: 20.484 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.1  | 0.0   | 19.0  |





#43

Isopropyl Acetate

Concen: 21.188 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

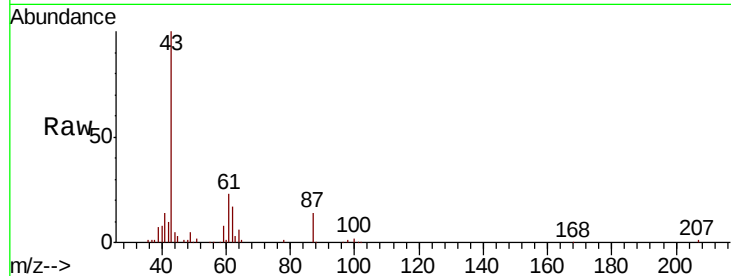
ClientSampleId :

VD1122SBS01

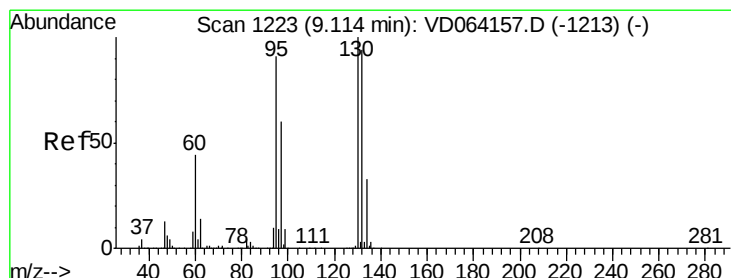
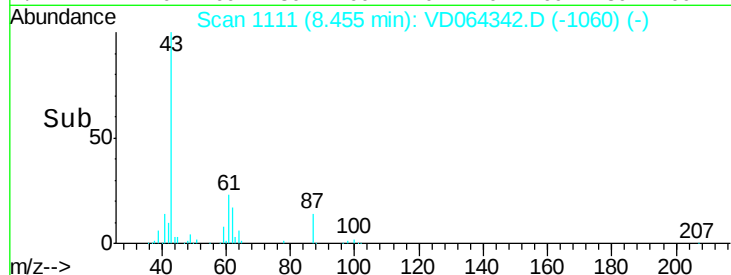
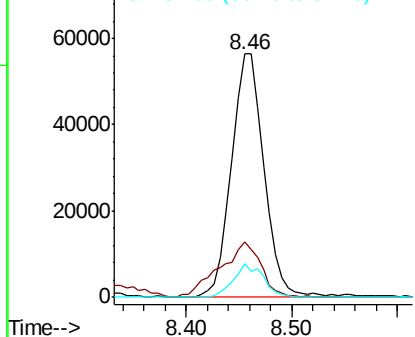
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 120496 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.7  | 22.9  | 34.3   |
| 87       | 12.7  | 10.2  | 15.2   |

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Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.667 ug/l

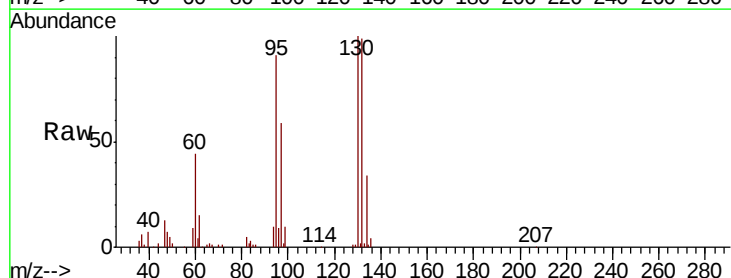
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

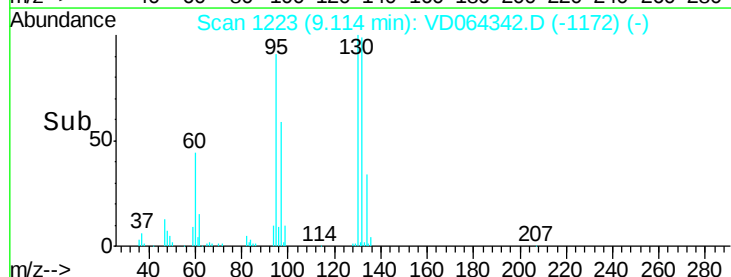
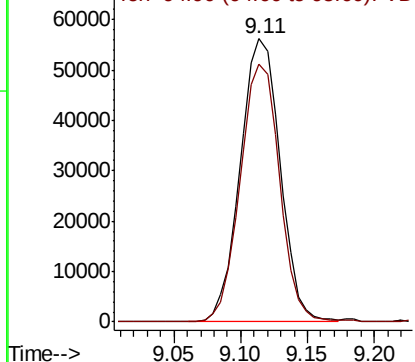
Lab File: VD064342.D

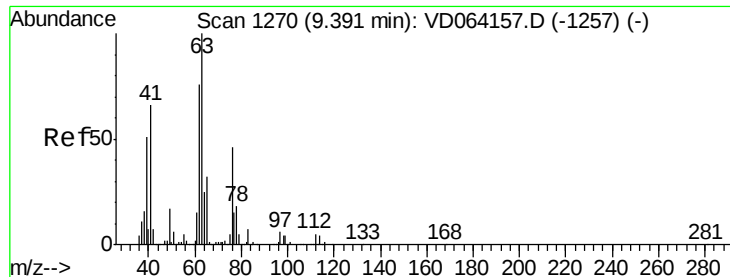
Acq: 22 Nov 2019 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 116362 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 91.3  | 0.0   | 181.6  |



Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC





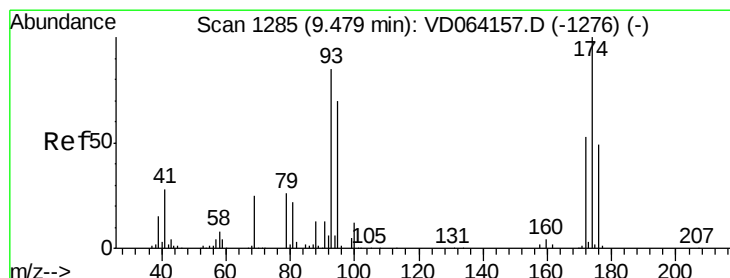
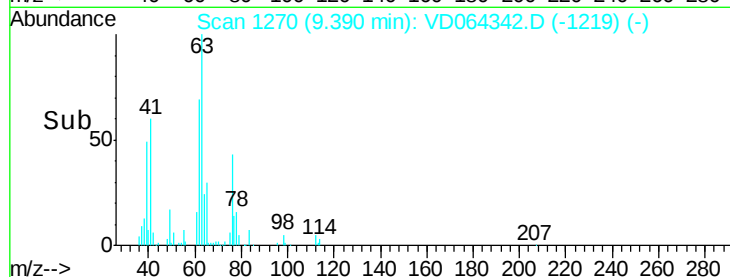
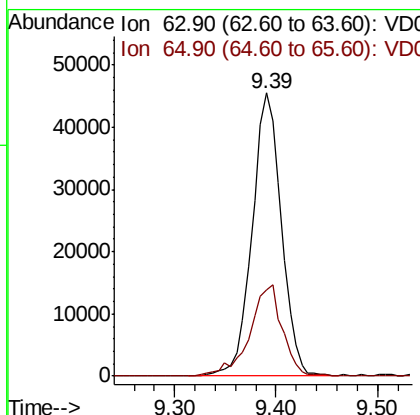
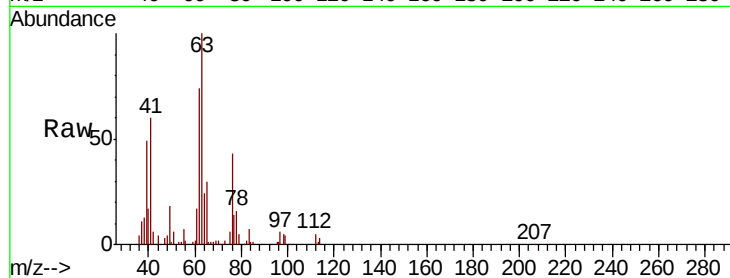
#45  
 1,2-Dichloropropane  
 Concen: 20.971 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.3  | 25.7  | 38.5  |

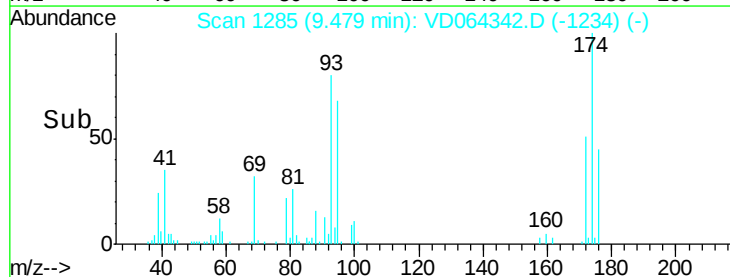
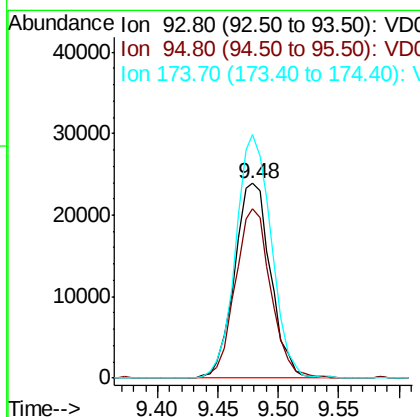
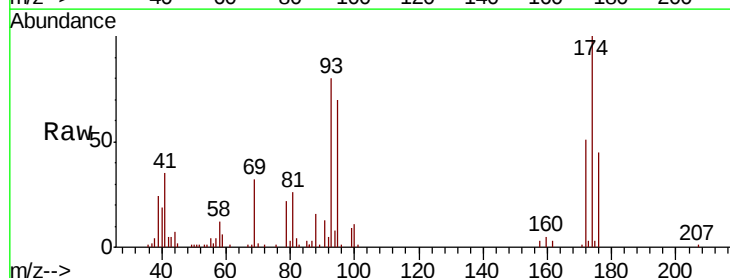
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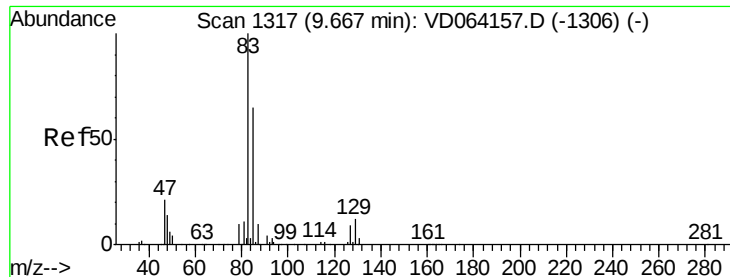
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#46  
 Dibromomethane  
 Concen: 21.387 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.6  | 65.5  | 98.3  |
| 174     | 122.7 | 93.9  | 140.9 |





#47

Bromodichloromethane

Concen: 20.859 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

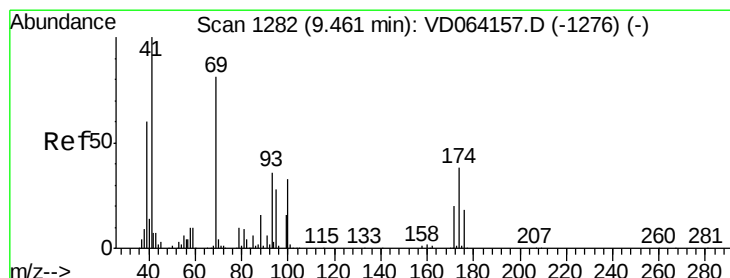
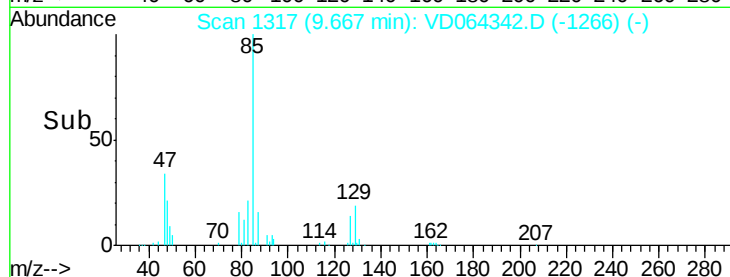
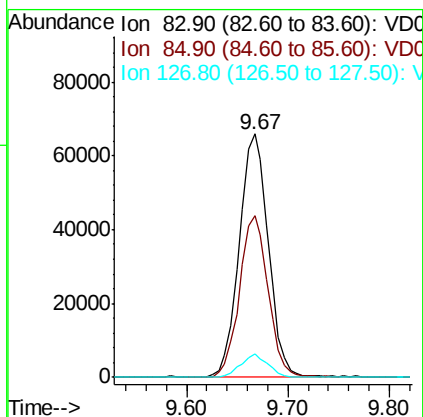
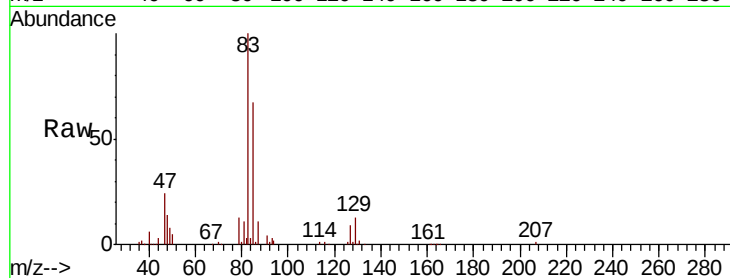
ClientSampleId :

VD1122SBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 131003 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.7  | 52.2  | 78.4   |
| 127      | 9.4   | 7.5   | 11.3   |

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#48

Methyl methacrylate

Concen: 19.828 ug/l

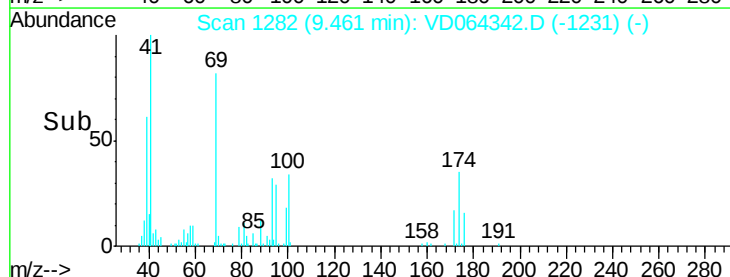
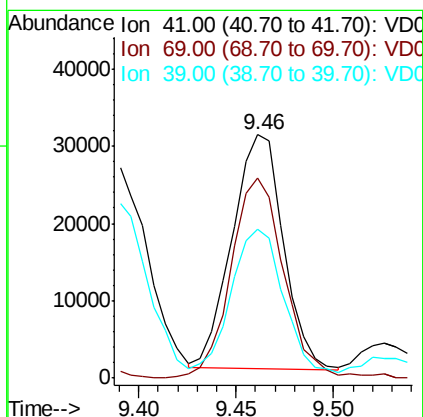
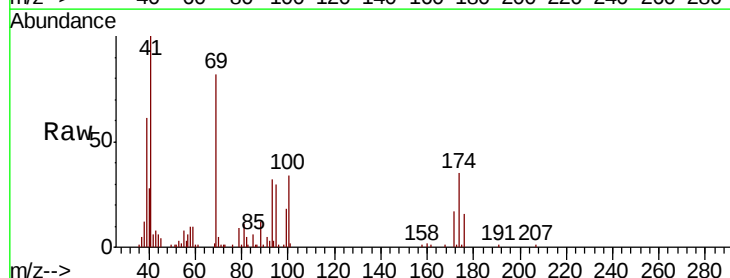
RT: 9.46 min Scan# 1282

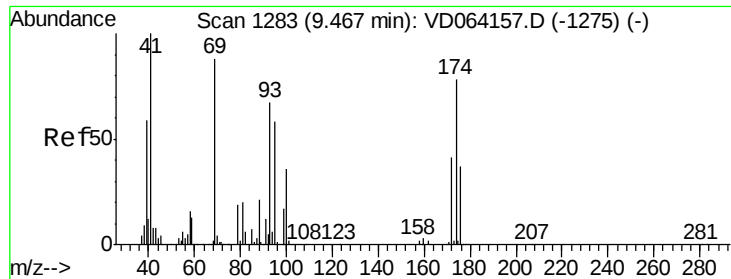
Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 55138 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 88.8  | 64.6  | 97.0  |
| 39       | 61.4  | 48.2  | 72.2  |





#49

1,4-Dioxane

Concen: 468.458 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

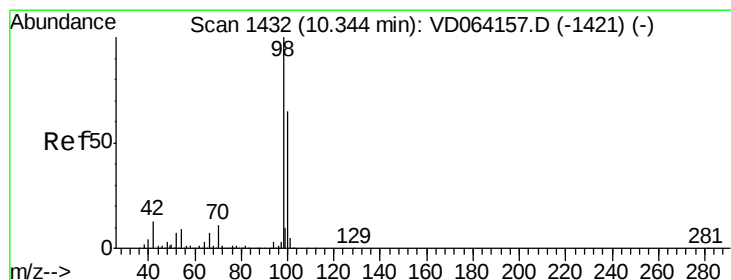
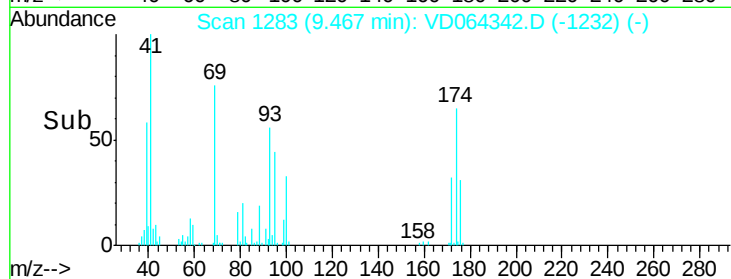
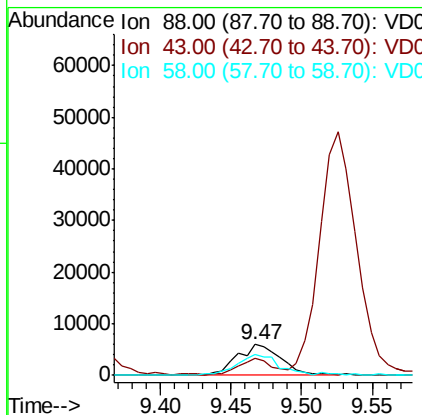
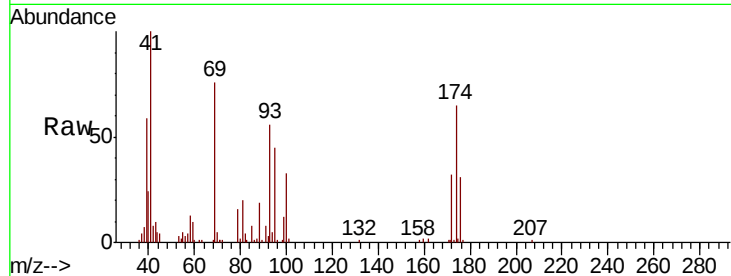
ClientSampleId :

VD1122SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 13118 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 39.8  | 29.8  | 44.8  |
| 58       | 64.0  | 58.1  | 87.1  |

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#50

Toluene-d8

Concen: 49.596 ug/l

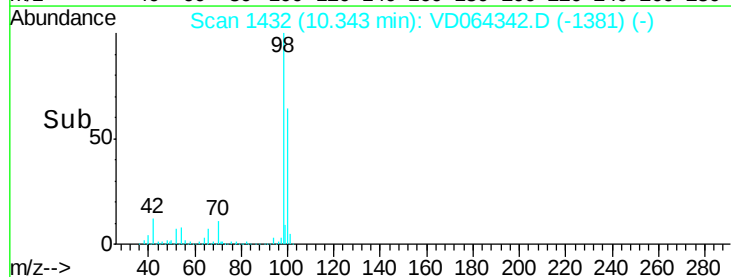
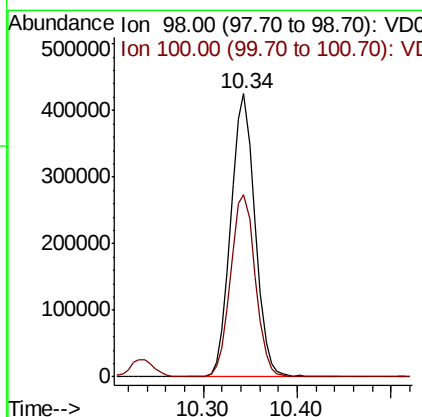
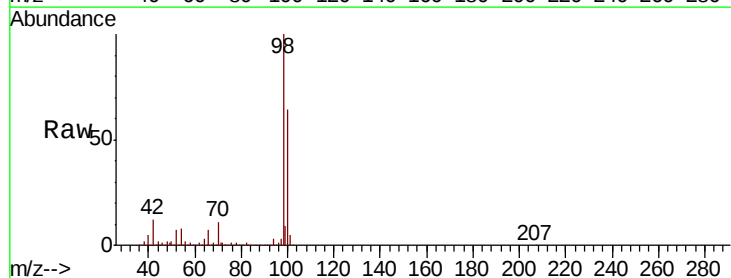
RT: 10.34 min Scan# 1432

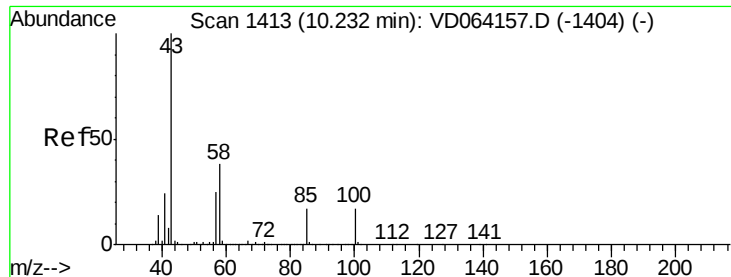
Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 761874 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.9  | 52.6  | 78.8   |





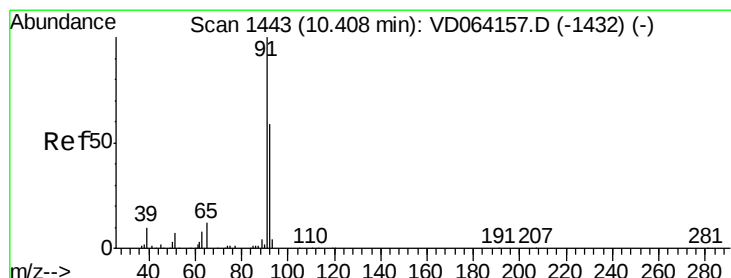
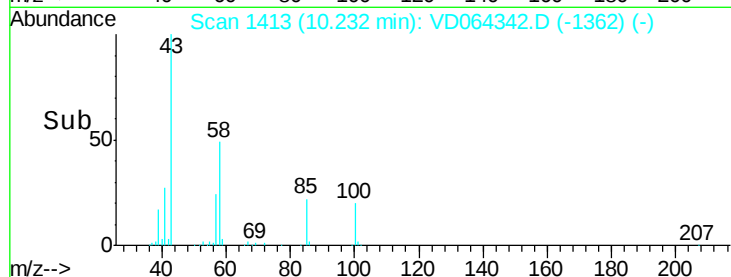
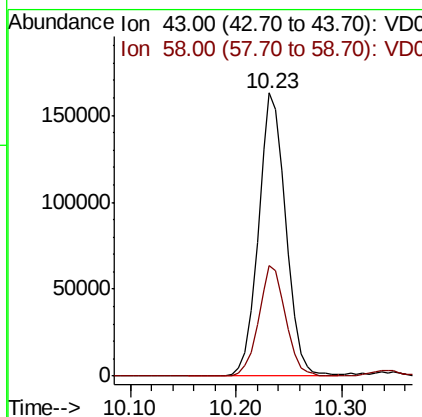
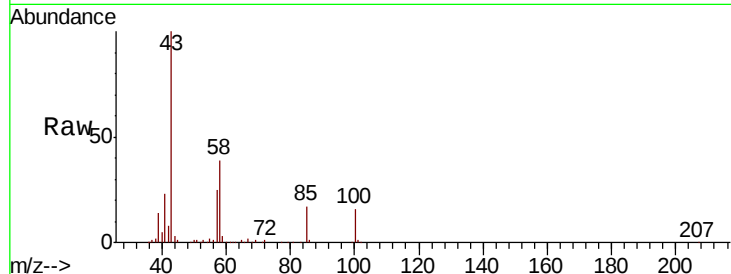
#51  
4-Methyl-2-Pentanone  
Concen: 107.589 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.4  | 30.2  | 45.4  |

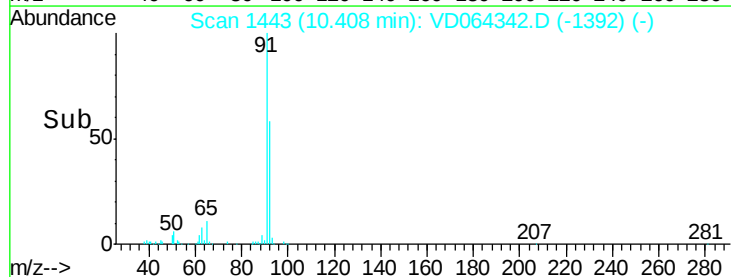
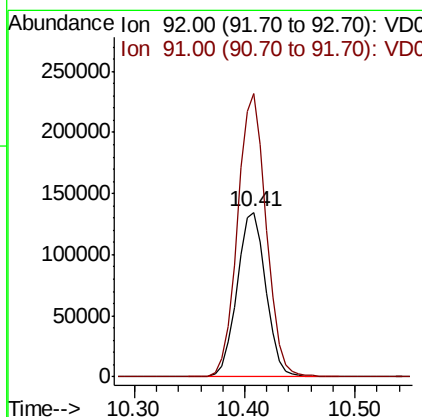
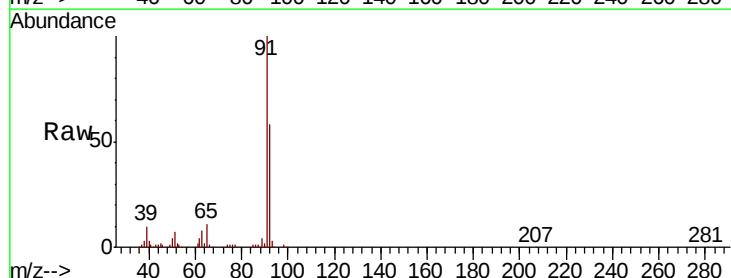
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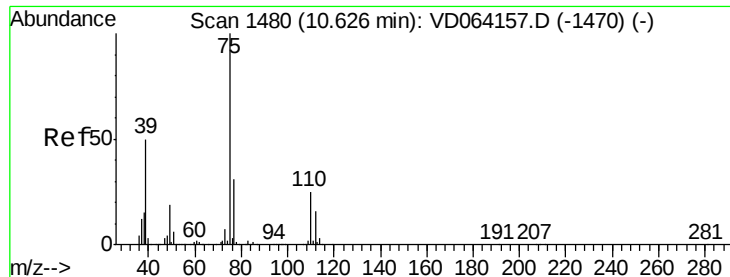
MMDadoda  
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#52  
Toluene  
Concen: 21.114 ug/l  
RT: 10.41 min Scan# 1443  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 170.3 | 136.4 | 204.6 |





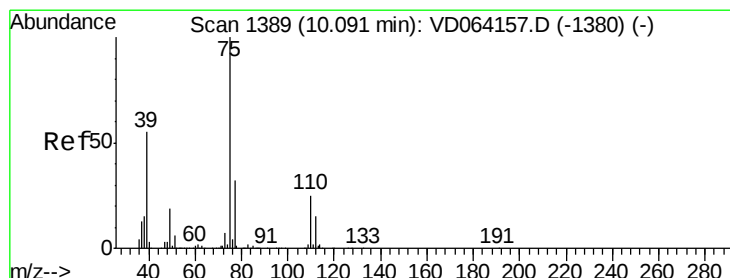
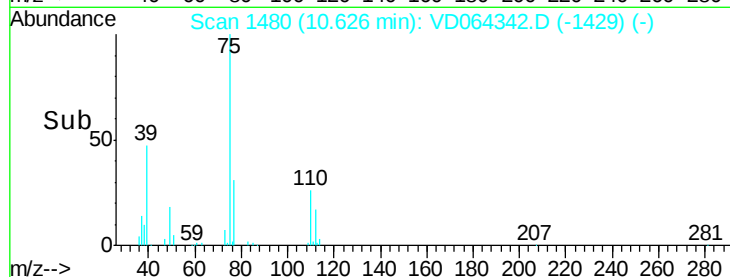
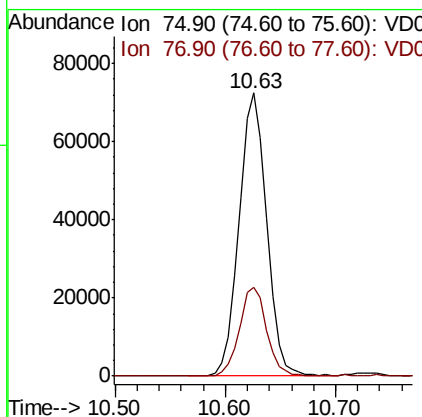
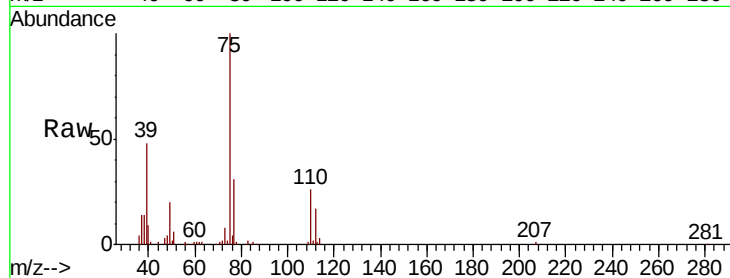
#53  
t-1,3-Dichloropropene  
Concen: 20.278 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

Tot Ion: 75 Resp: 127588  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.7 37.1

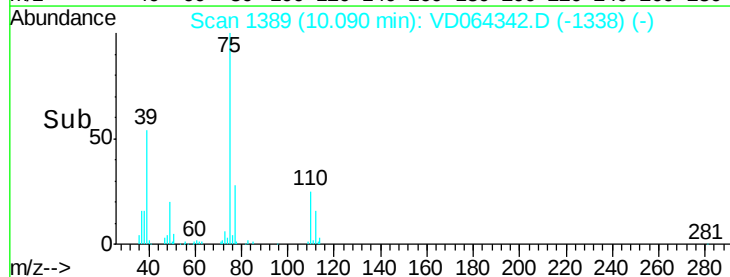
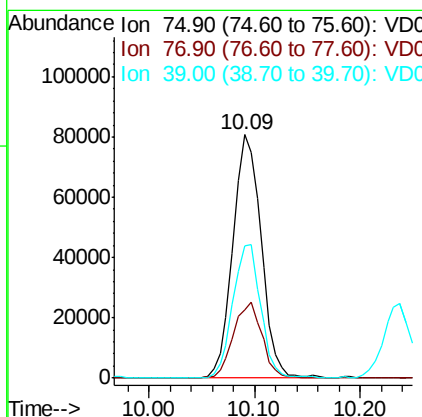
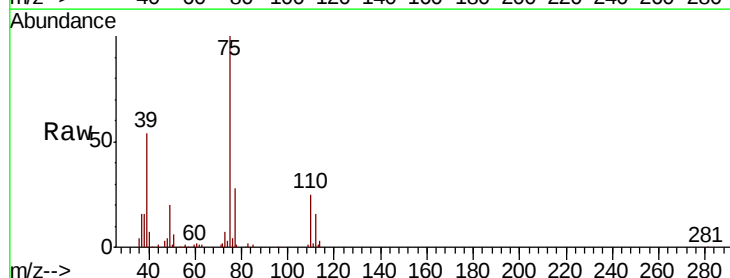
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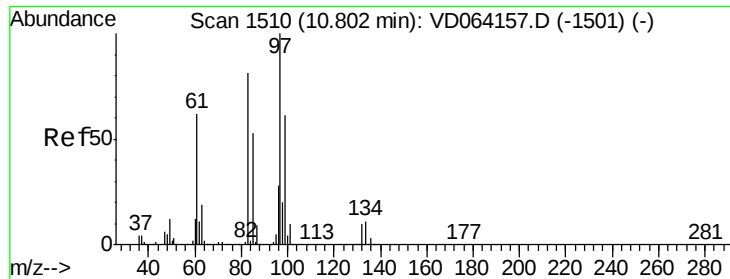
MMDadoda  
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#54  
cis-1,3-Dichloropropene  
Concen: 20.391 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Tgt Ion: 75 Resp: 149719  
Ion Ratio Lower Upper  
75 100  
77 28.0 25.2 37.8  
39 54.0 44.2 66.2





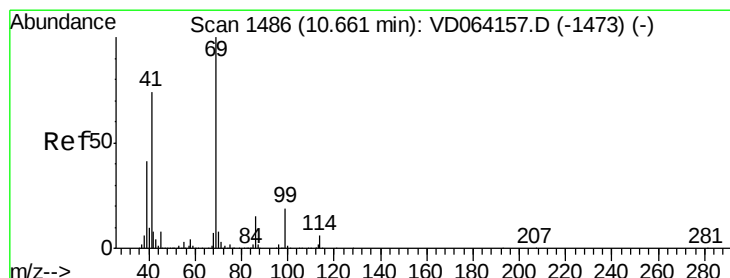
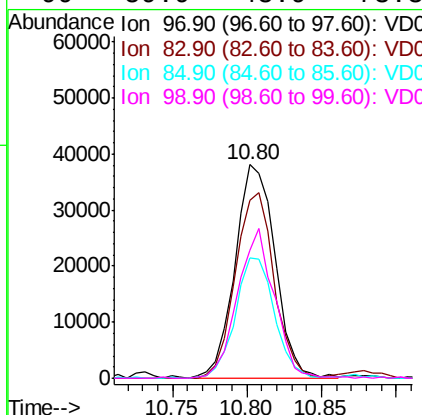
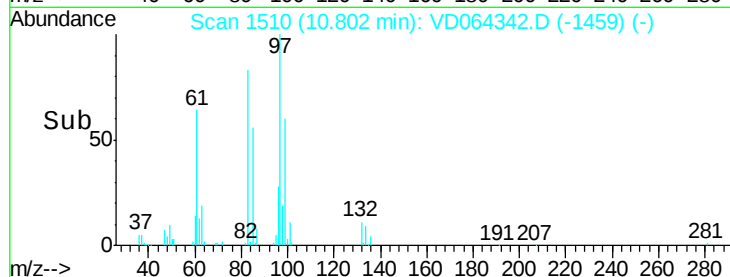
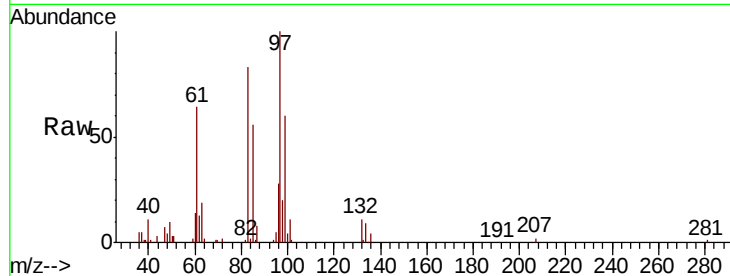
#55  
 1,1,2-Trichloroethane  
 Concen: 22.539 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 71292 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.0  | 65.1  | 97.7  |
| 85       | 56.1  | 42.0  | 63.0  |
| 99       | 59.9  | 48.9  | 73.3  |

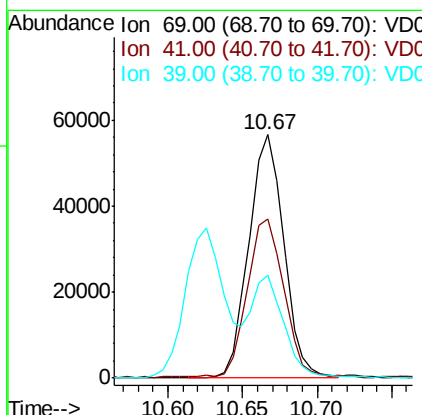
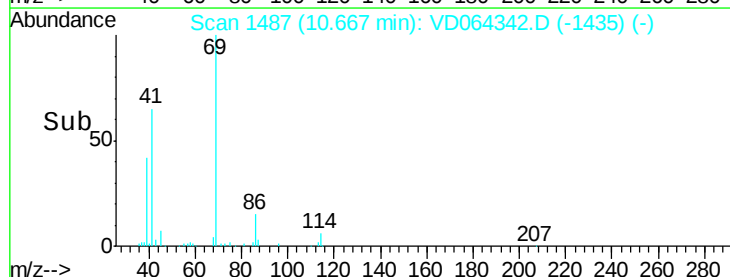
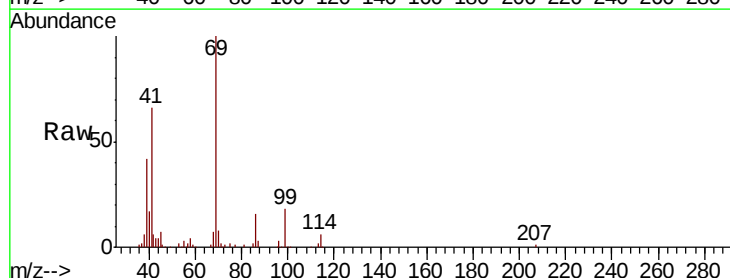
Manual Integrations  
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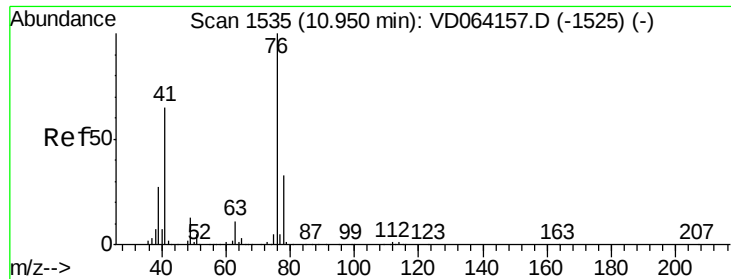
MMDadoda  
 11/26/2019 1:34:46 AM



#56  
 Ethyl methacrylate  
 Concen: 20.839 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 92204 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.8  | 57.9  | 86.9  |
| 39       | 39.6  | 29.0  | 43.4  |





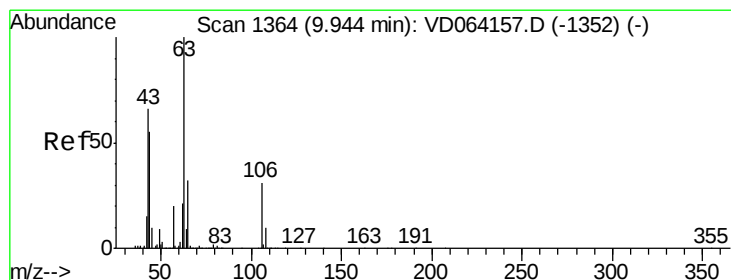
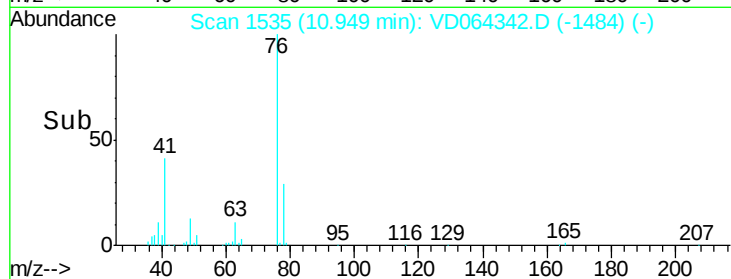
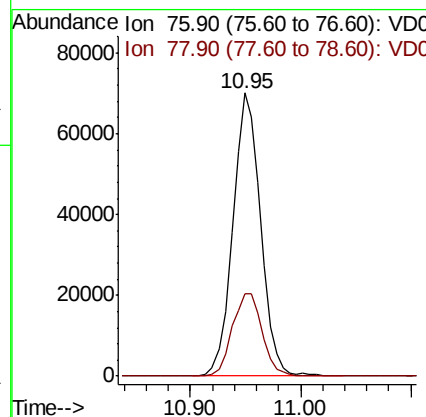
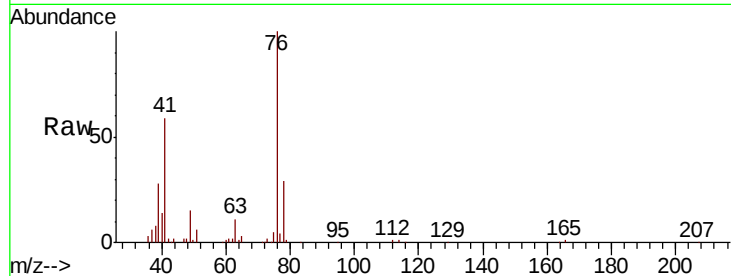
#57  
 1,3-Dichloropropane  
 Concen: 22.275 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.5  | 26.2  | 39.4  |

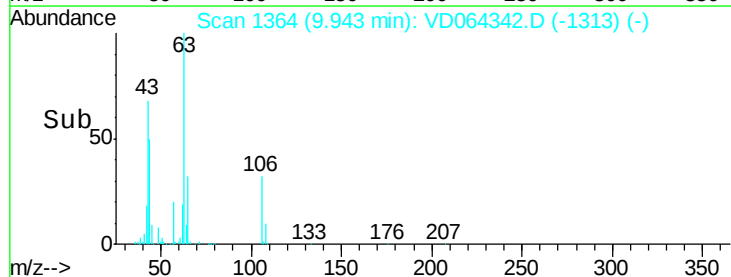
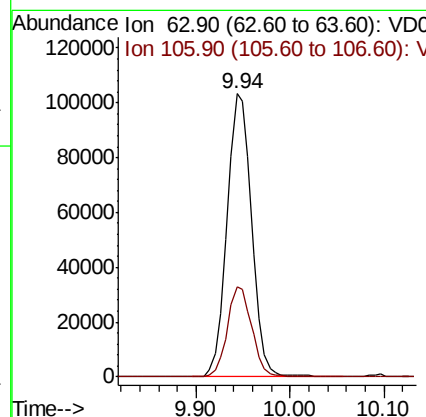
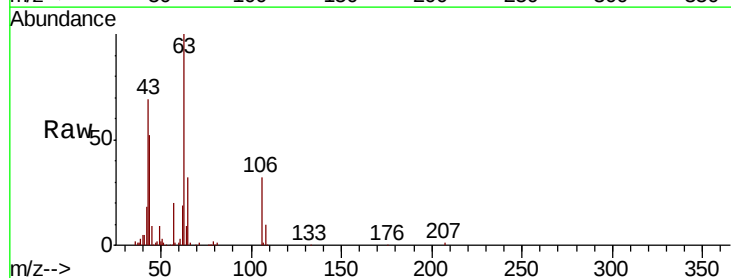
Manual Integrations  
 APPROVED

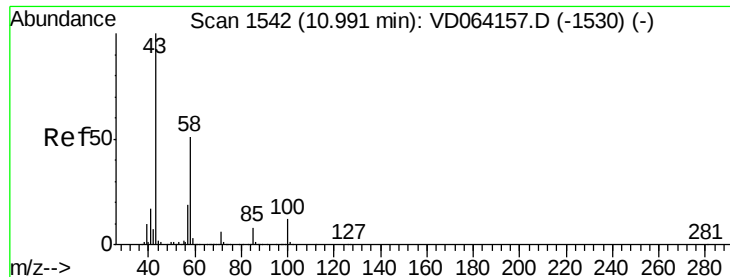
MMDadoda  
 11/26/2019 1:34:46 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 104.985 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.5  | 24.1  | 36.1  |





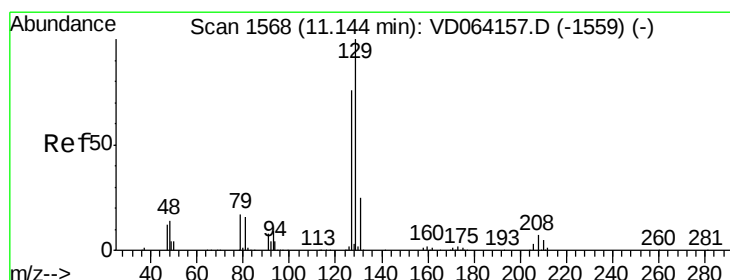
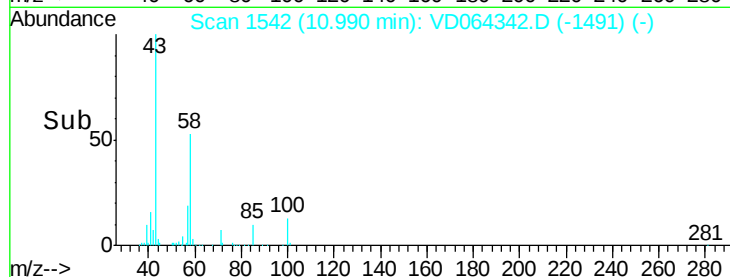
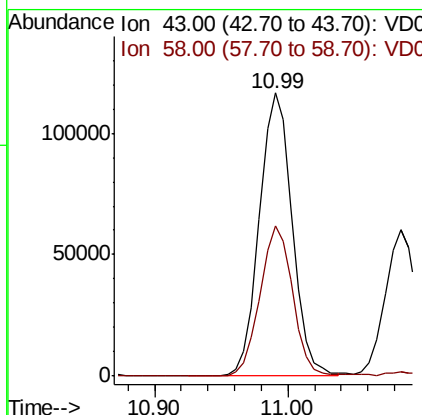
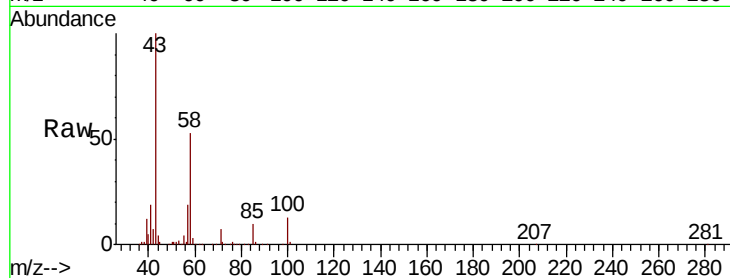
#59  
2-Hexanone  
Concen: 102.134 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

Tot Ion: 43 Resp: 198162  
Ion Ratio Lower Upper  
43 100  
58 53.0 25.9 77.7

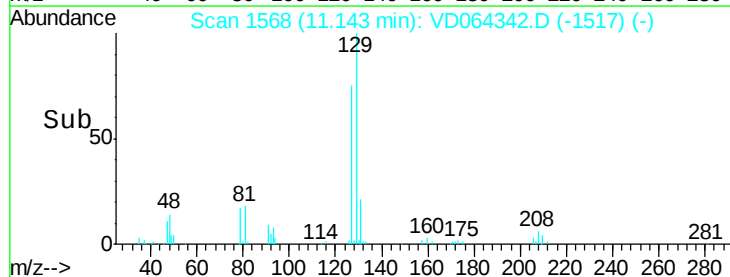
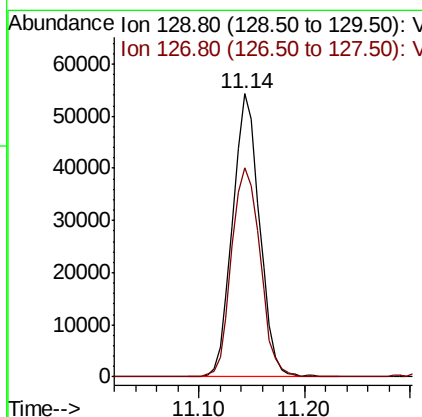
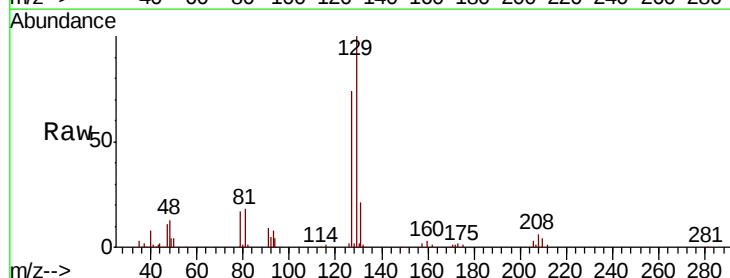
Manual Integrations  
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11/26/2019 1:34:46 AM



#60  
Dibromochloromethane  
Concen: 21.687 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Tgt Ion: 129 Resp: 95715  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 115.8





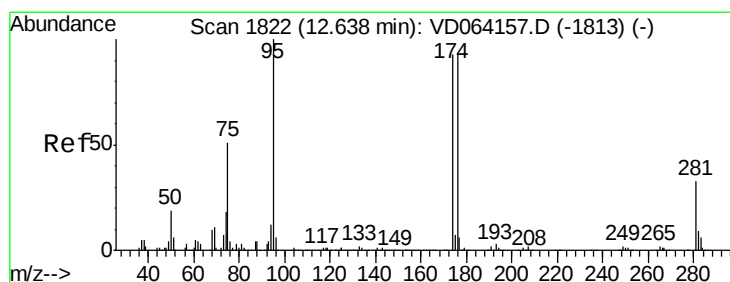
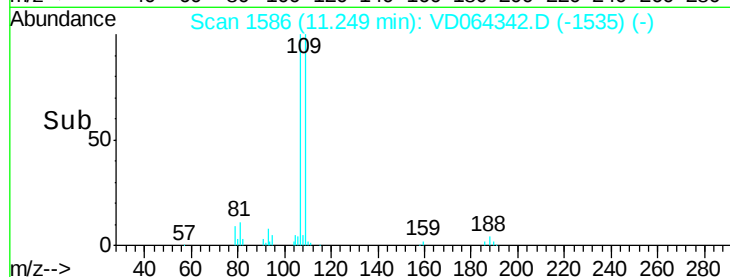
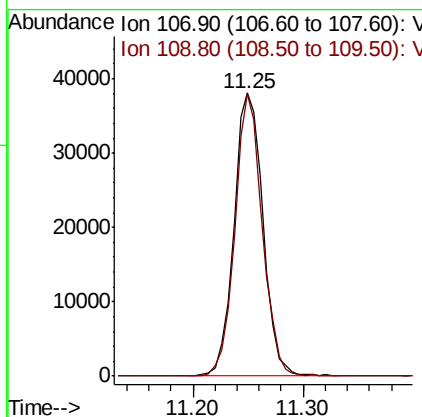
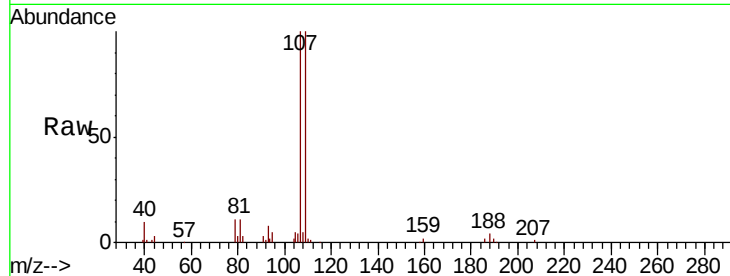
#61  
 1,2-Dibromoethane  
 Concen: 22.073 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

Tot Ion: 107 Resp: 69928  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 75.1 112.7

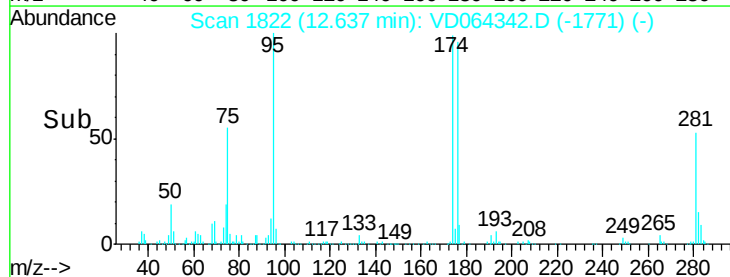
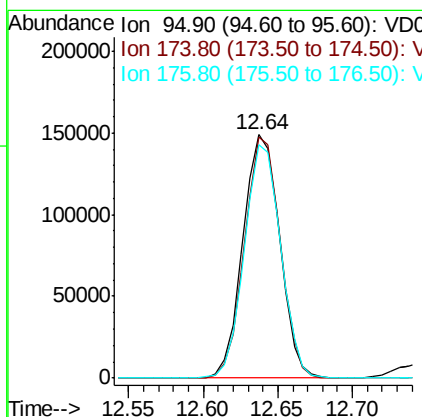
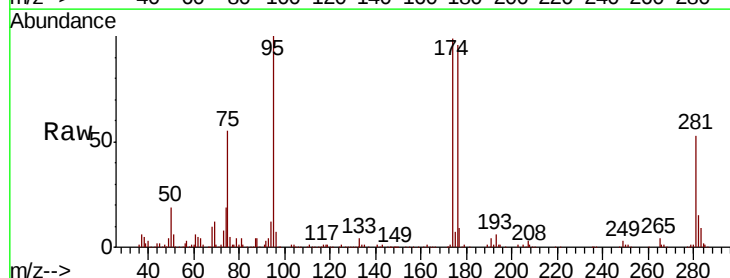
Manual Integrations  
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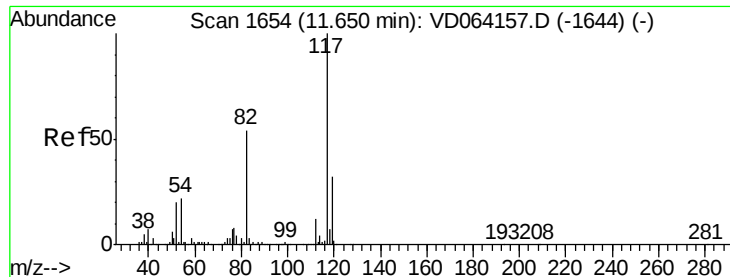
MMDadoda  
 11/26/2019 1:34:46 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.793 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Tgt Ion: 95 Resp: 254250  
 Ion Ratio Lower Upper  
 95 100  
 174 96.2 0.0 183.6  
 176 94.4 0.0 180.2





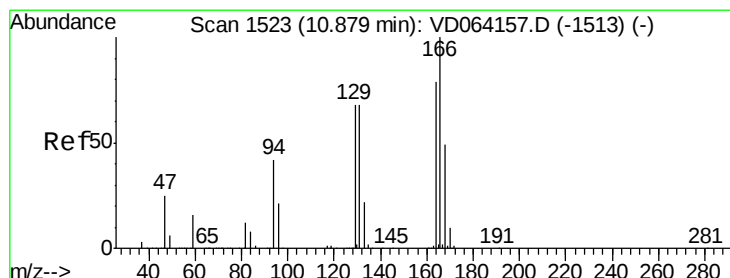
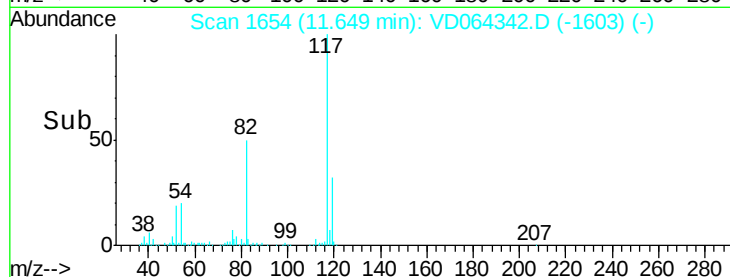
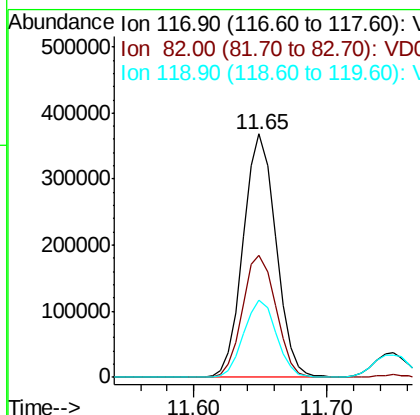
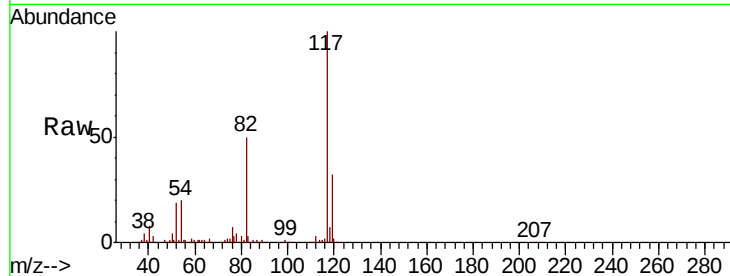
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.2  | 42.8  | 64.2  |
| 119     | 32.0  | 25.6  | 38.4  |

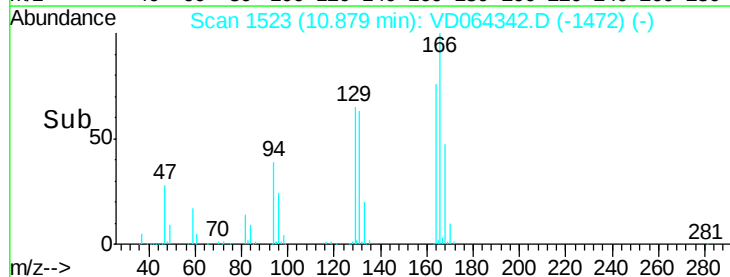
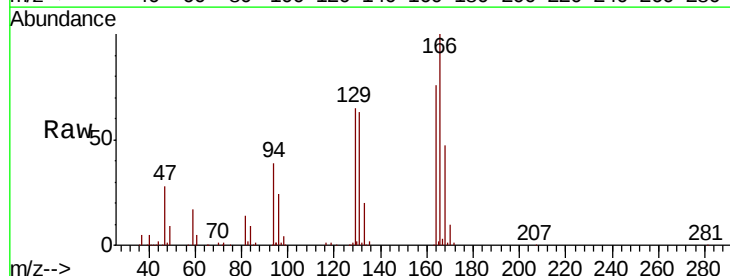
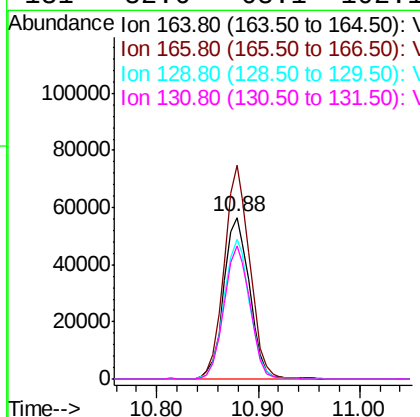
Manual Integrations  
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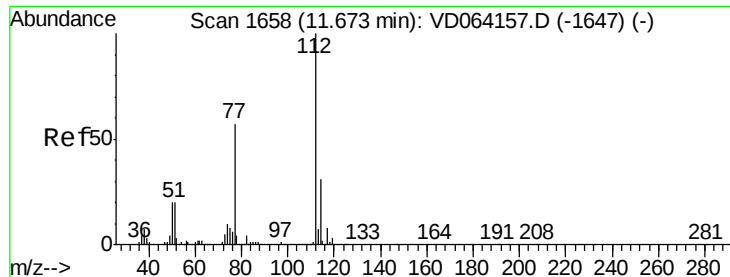
MMDadoda  
11/26/2019 1:34:46 AM



#64  
Tetrachloroethene  
Concen: 20.807 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.9 | 100.8 | 151.2 |
| 129     | 86.0  | 68.7  | 103.1 |
| 131     | 82.6  | 68.1  | 102.1 |





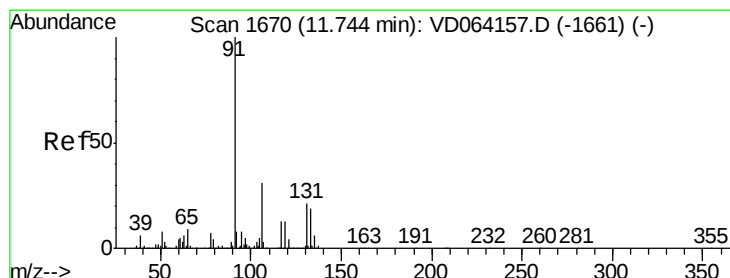
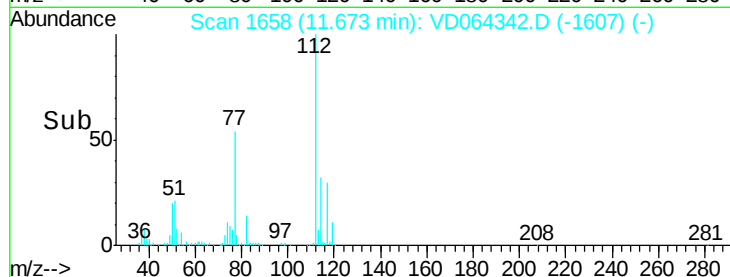
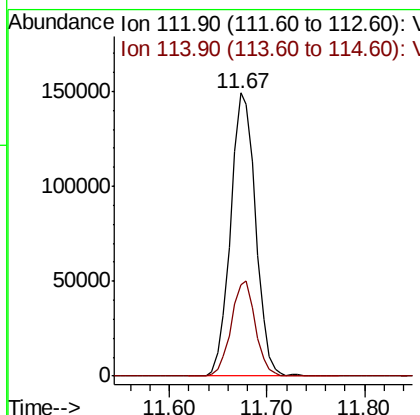
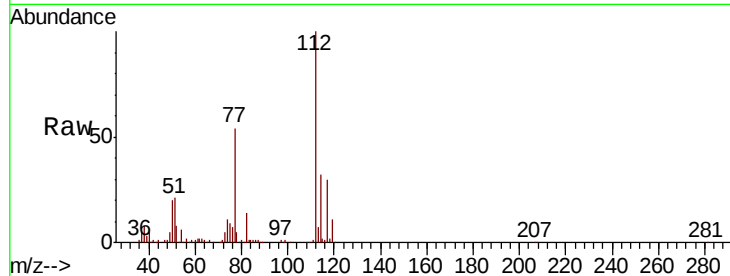
#65  
Chlorobenzene  
Concen: 20.880 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.4  | 25.2  | 37.8  |

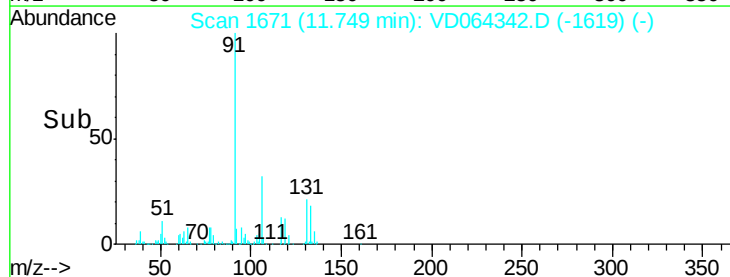
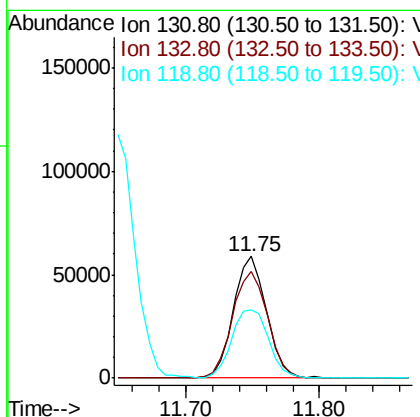
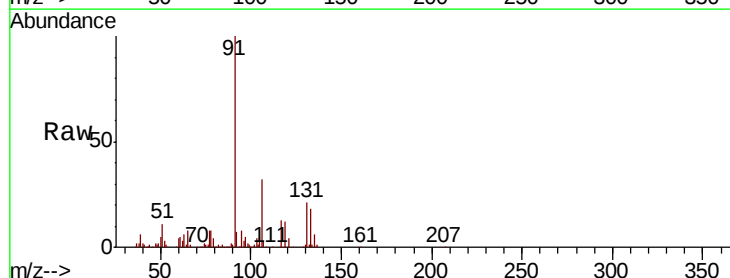
Manual Integrations  
APPROVED

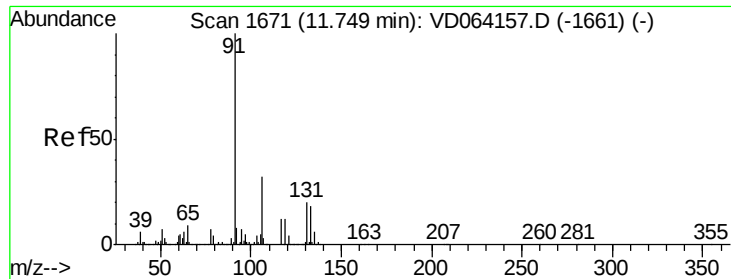
MMDadoda  
11/26/2019 1:34:46 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.000 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 93.0  | 47.3  | 141.9 |
| 119     | 62.8  | 31.1  | 93.3  |





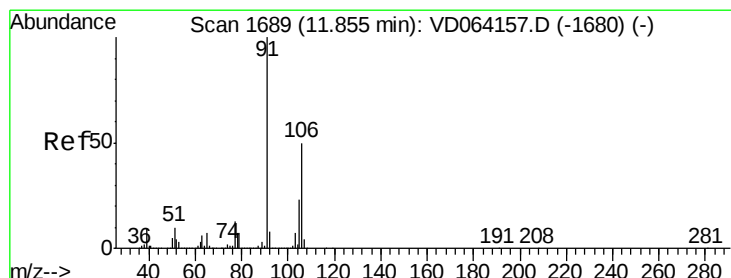
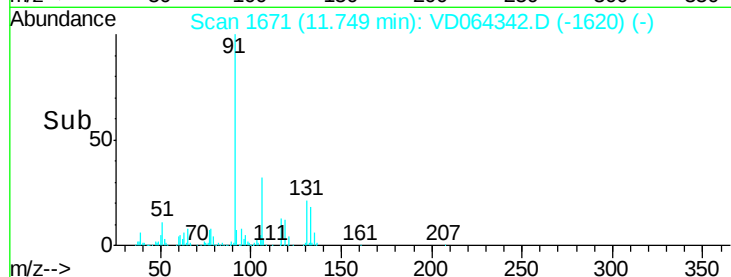
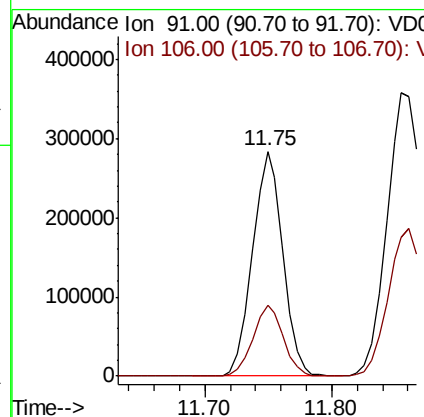
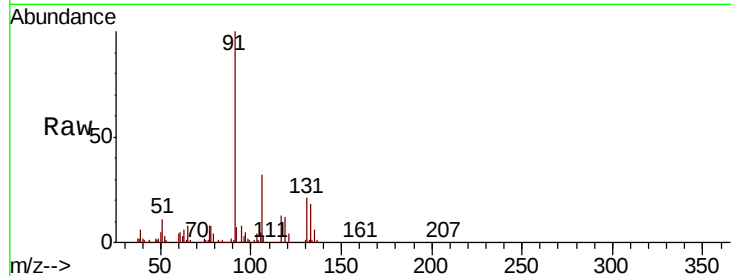
#67  
Ethyl Benzene  
Concen: 20.544 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 106     | 31.6 | 25.5  | 38.3  |       |

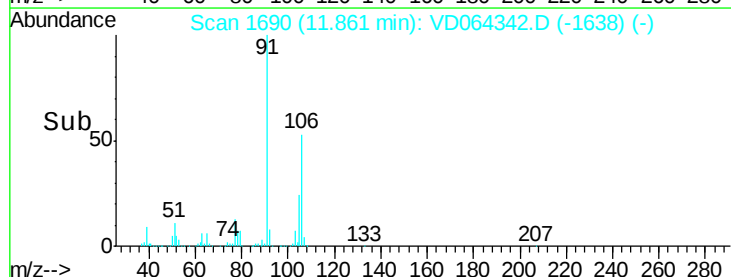
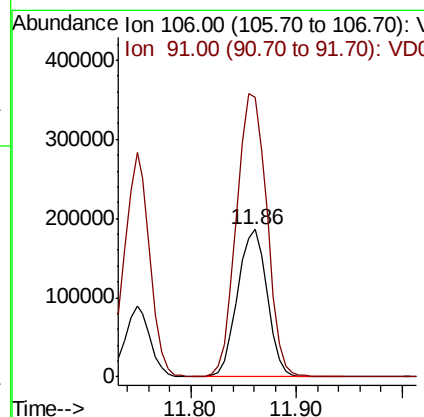
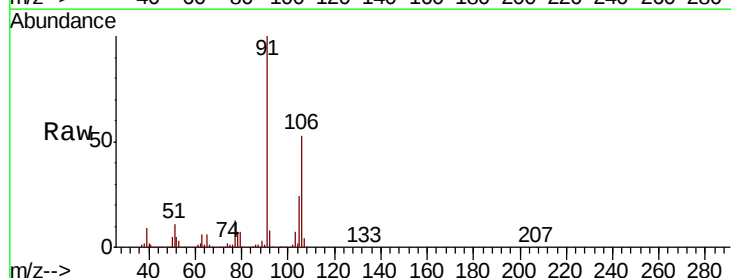
Manual Integrations  
APPROVED

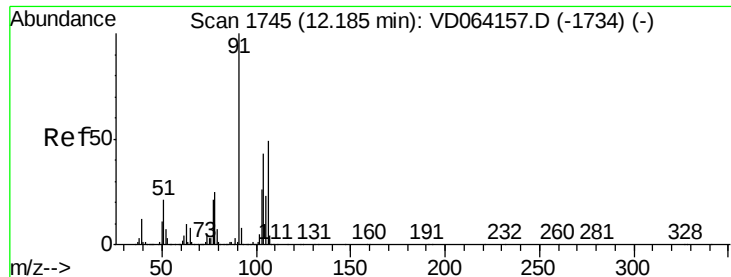
MMDadoda  
11/26/2019 1:34:46 AM



#68  
m/p-Xylenes  
Concen: 41.038 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 197.4 | 160.3 | 240.5 |       |





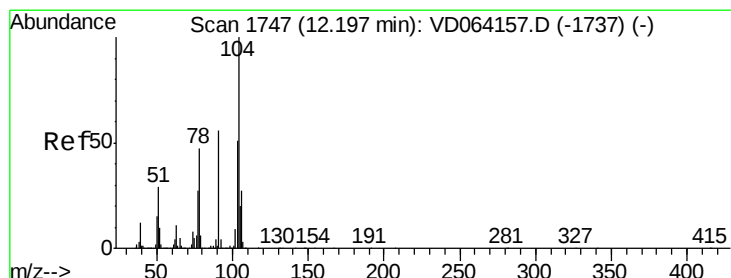
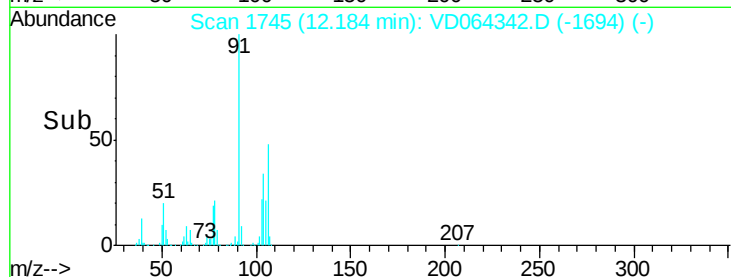
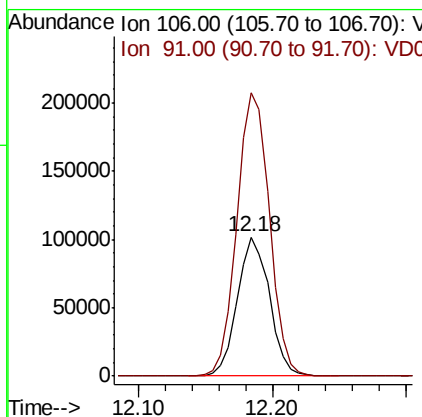
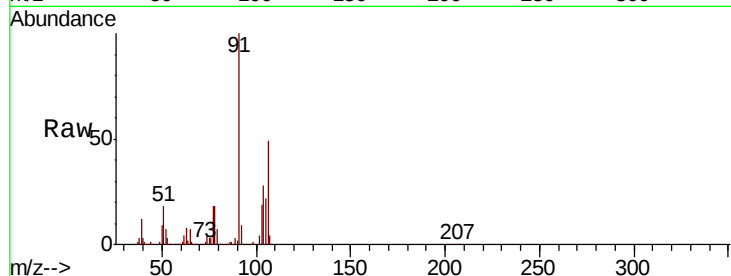
#69  
o-Xylene  
Concen: 20.691 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 207.1 | 105.1 | 315.3 |

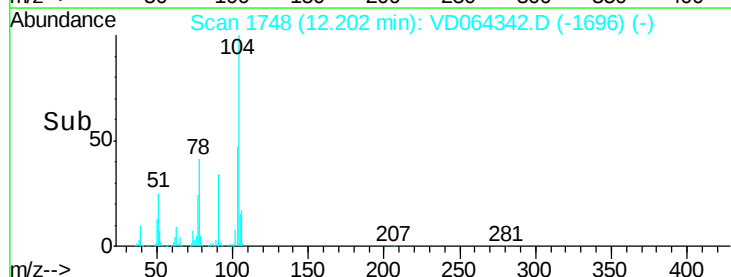
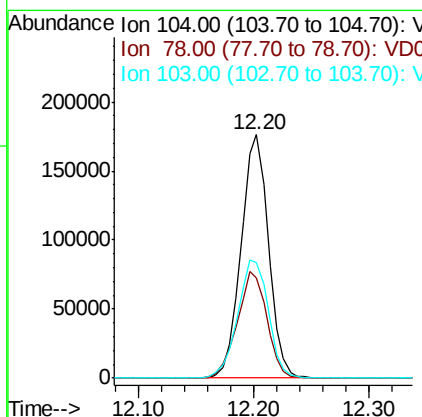
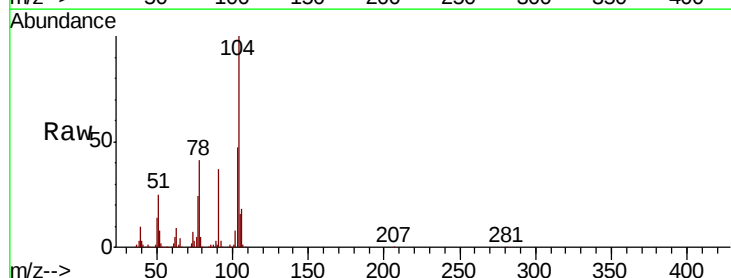
Manual Integrations  
APPROVED

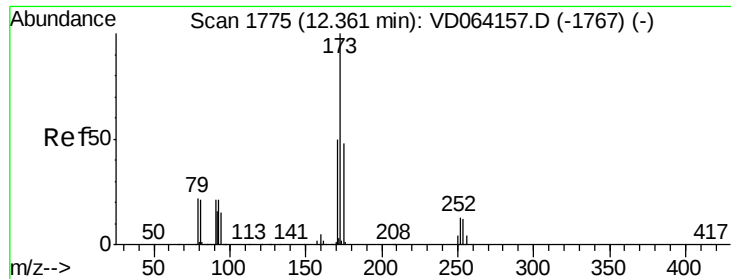
MMDadoda  
11/26/2019 1:34:46 AM



#70  
Styrene  
Concen: 20.422 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.3  | 39.9  | 59.9  |
| 103     | 54.3  | 43.4  | 65.0  |





#71

Bromoform

Concen: 21.312 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

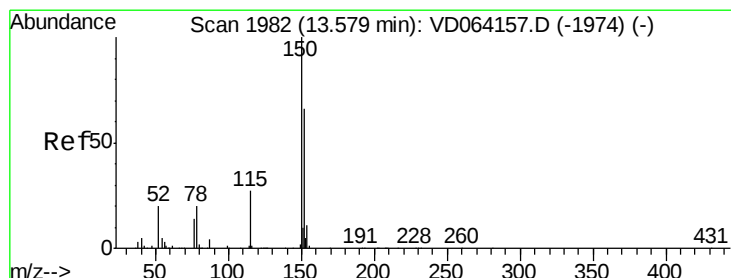
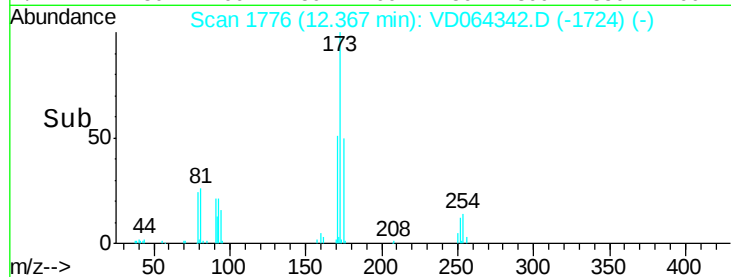
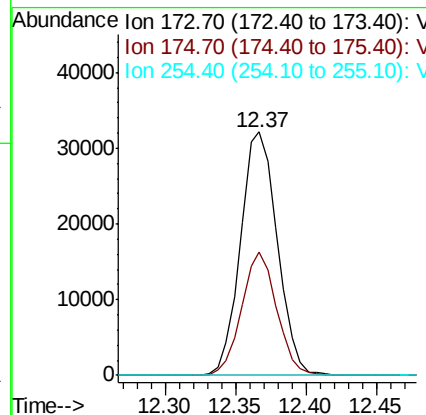
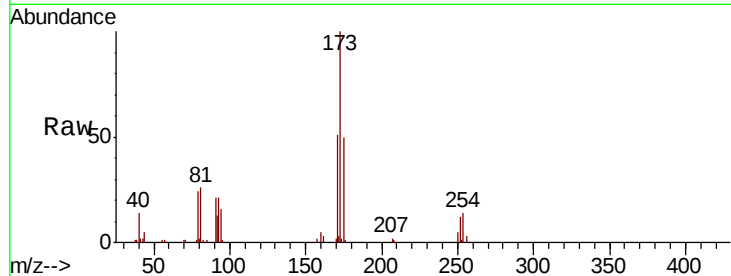
ClientSampleId :

VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.2  | 24.1  | 72.3  |
| 254     | 0.0   | 0.2   | 0.2   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

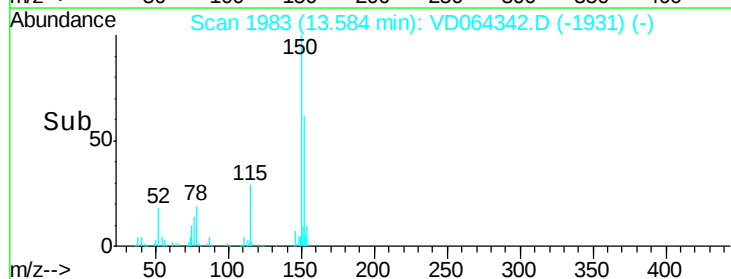
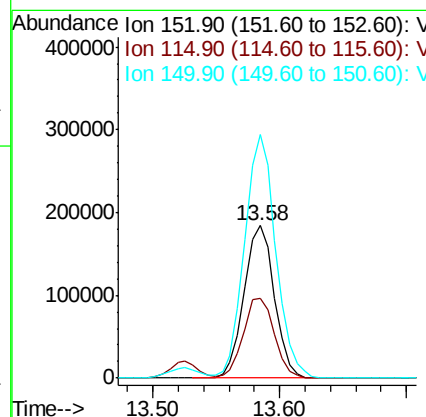
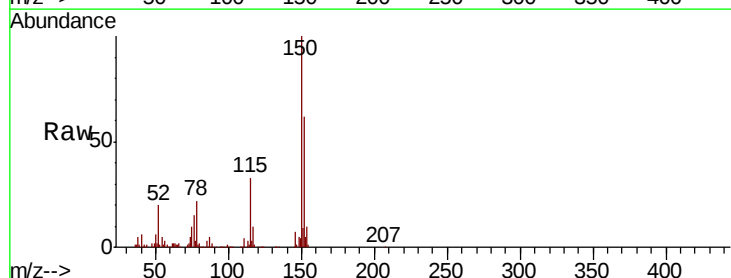
RT: 13.58 min Scan# 1983

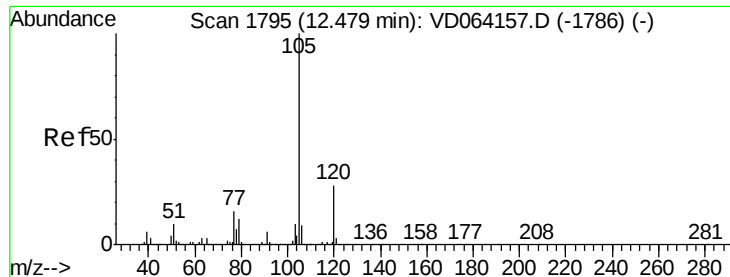
Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.8  | 27.4  | 82.2  |
| 150     | 164.2 | 0.0   | 351.6 |





#73

Isopropylbenzene

Concen: 20.610 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBS01

Tot Ion: 105 Resp: 461303

Ion Ratio Lower Upper

105 100

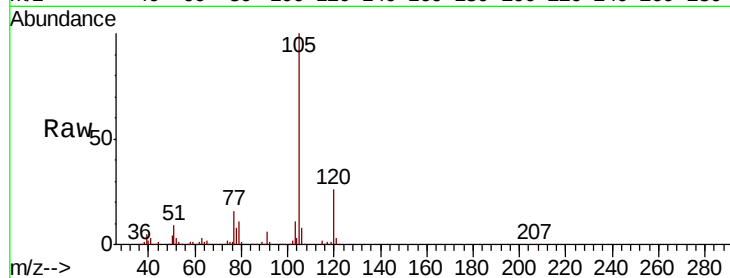
120 27.5 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

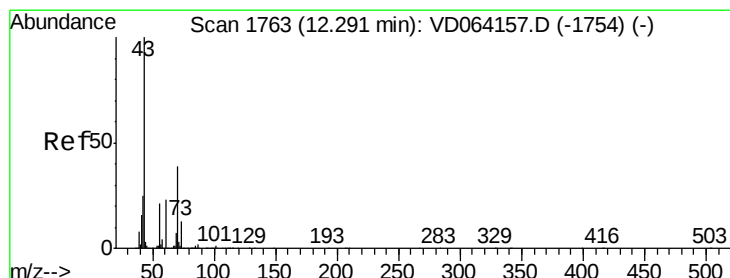
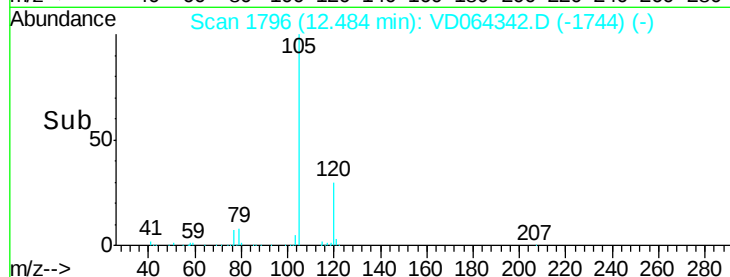
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.915 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Tgt Ion: 43 Resp: 105263

Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 22.5 17.9 26.9

61 23.7 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.30

100000

80000

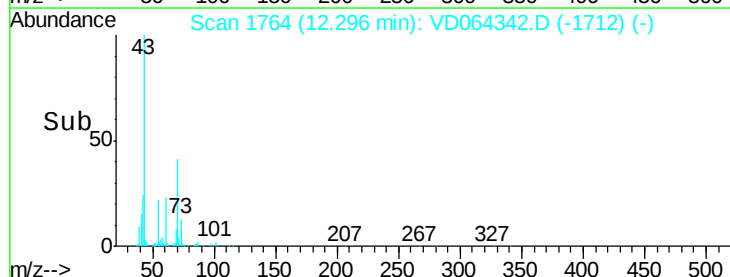
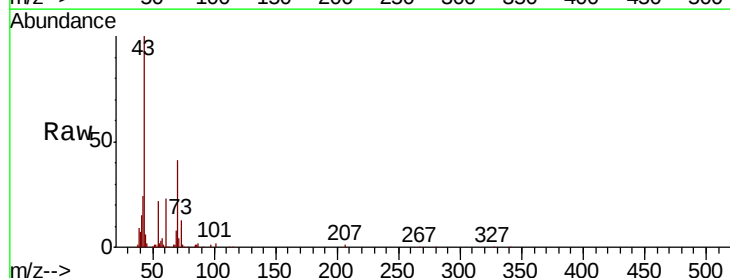
60000

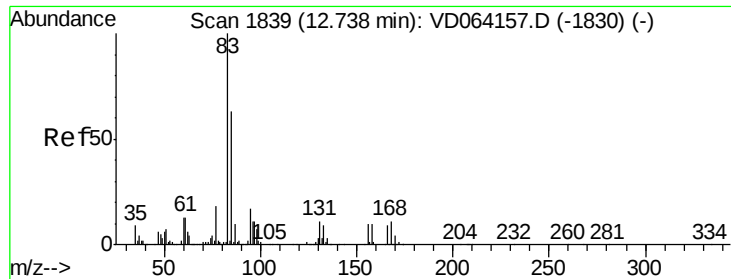
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.496 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

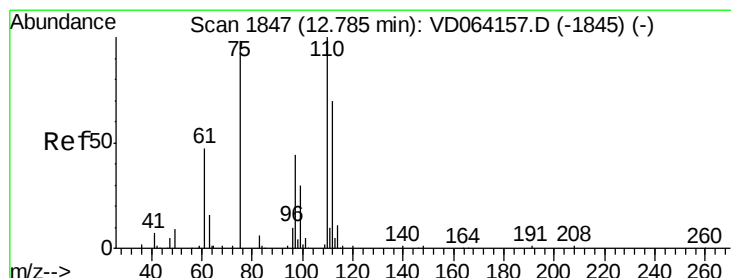
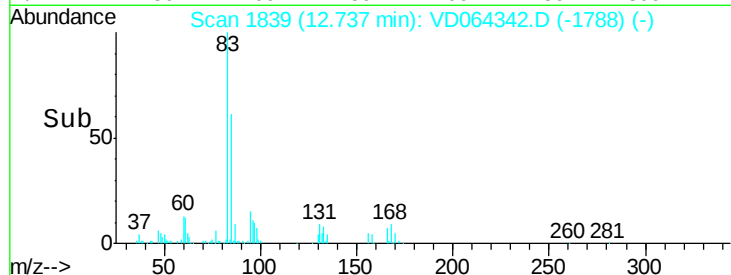
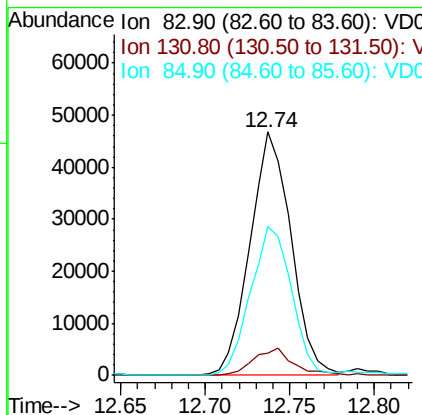
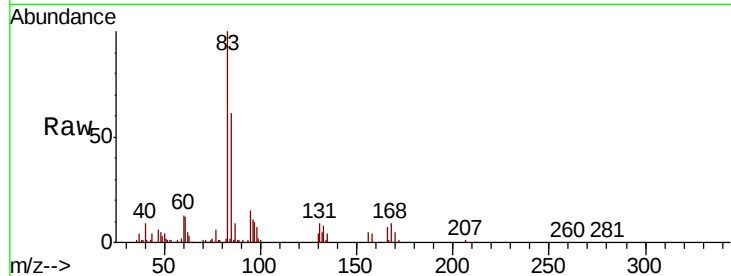
ClientSampleId :

VD1122SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 79244 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.8  | 5.9   | 17.7  |
| 85       | 61.3  | 32.5  | 97.5  |

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#76

1,2,3-Trichloropropane

Concen: 21.178 ug/l m

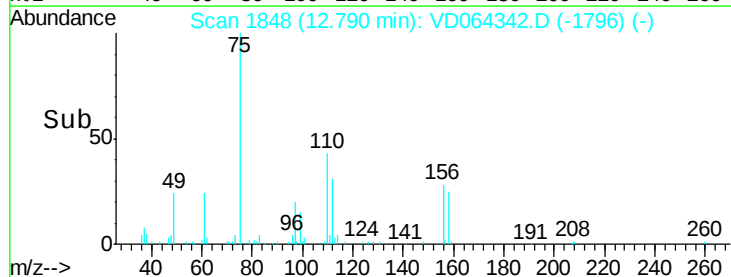
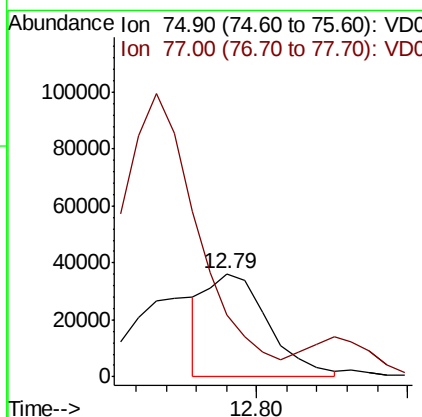
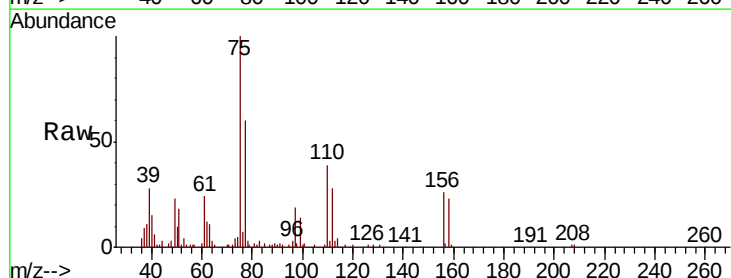
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 52018 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.592 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

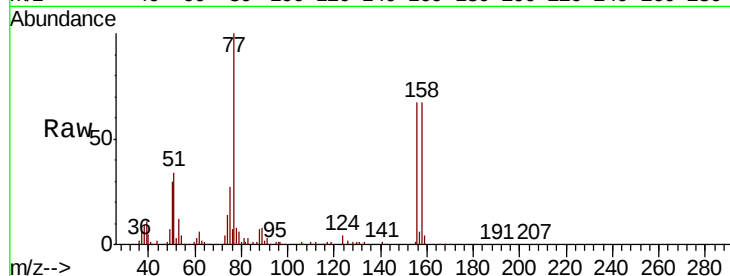
ClientSampleId :

VD1122SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 117408 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 153.8 | 81.2  | 243.4  |
| 158       | 96.3  | 48.4  | 145.2  |

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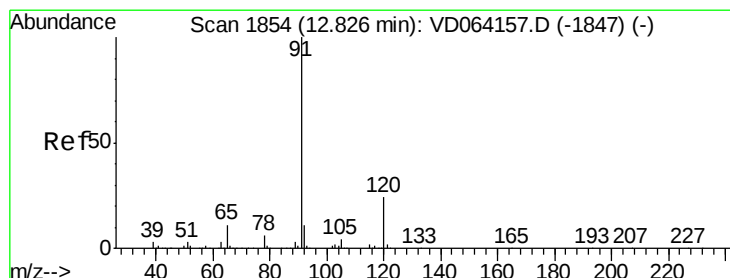
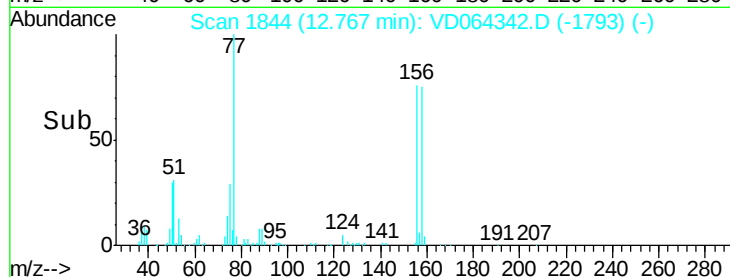
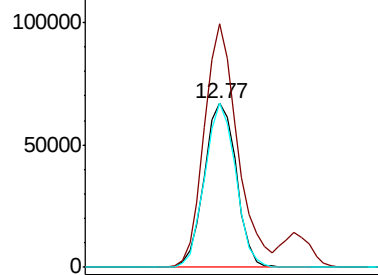
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.935 ug/l

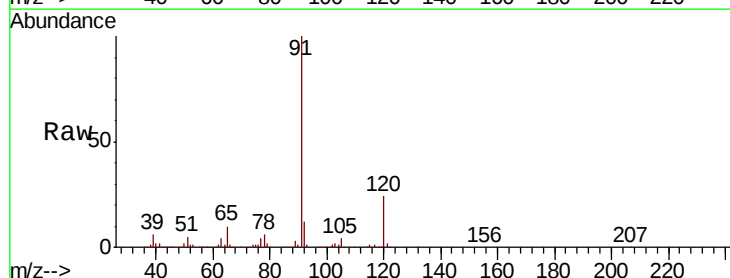
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064342.D

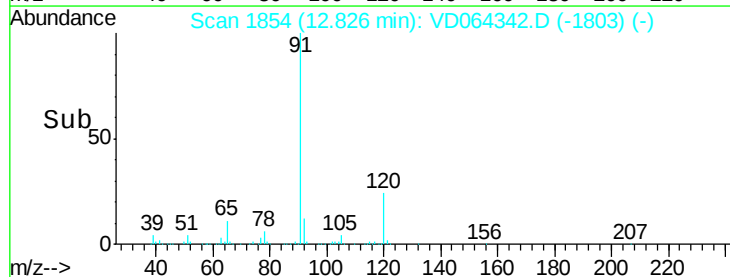
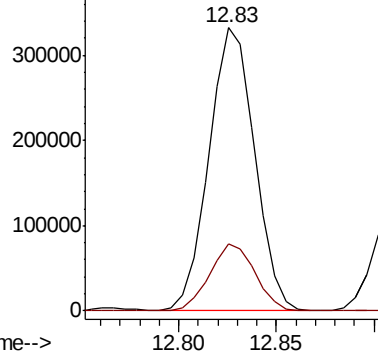
Acq: 22 Nov 2019 12:41

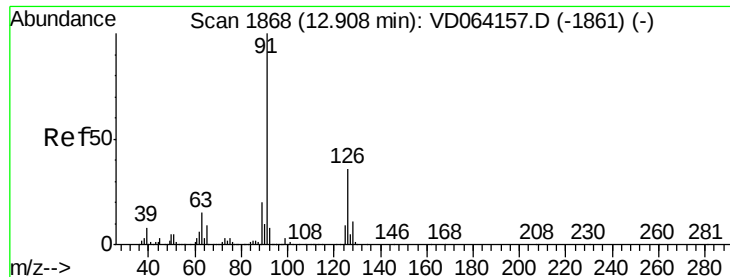
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 535360 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.8  | 35.4   |



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.101 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

ClientSampleId :

VD1122SBSD01

Tot Ion: 91 Resp: 290207

Ion Ratio Lower Upper

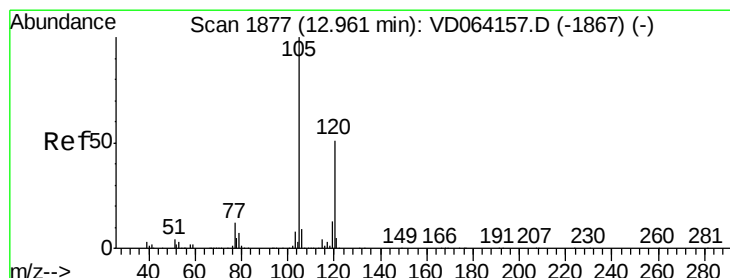
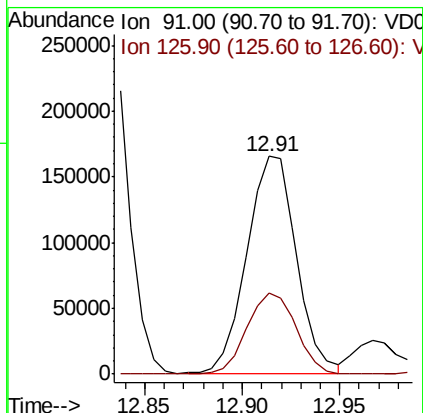
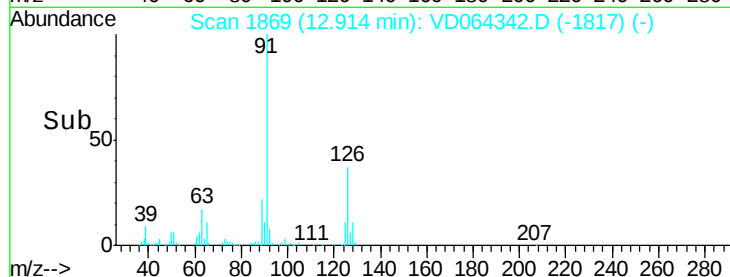
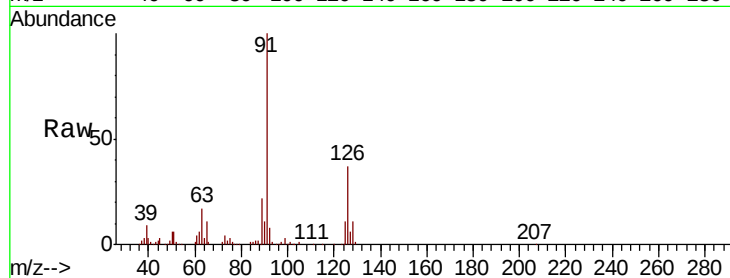
91 100

126 37.0 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.471 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064342.D

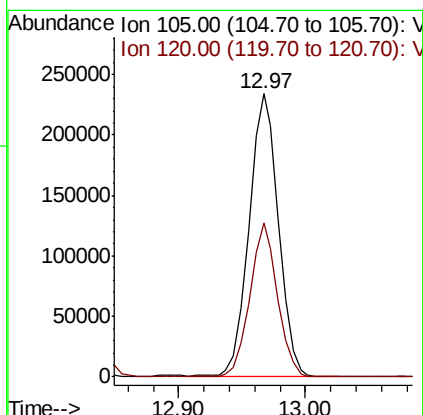
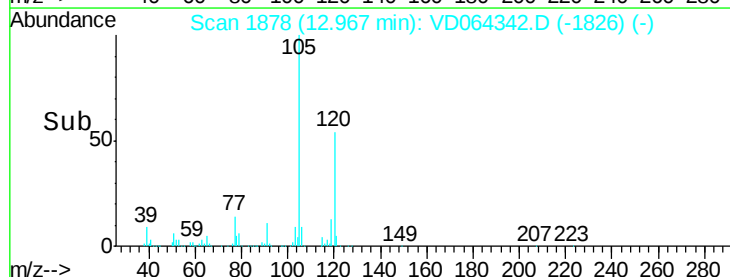
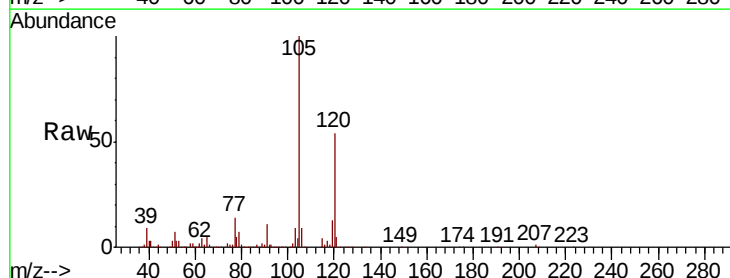
Acq: 22 Nov 2019 12:41

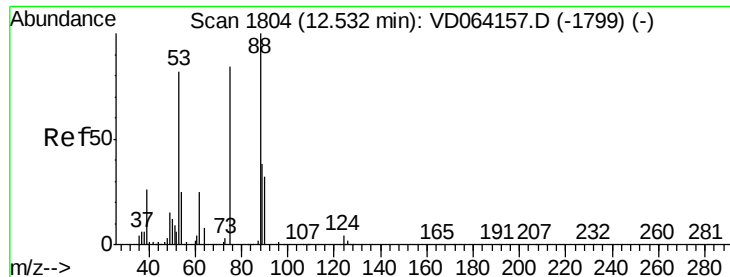
Tgt Ion: 105 Resp: 376488

Ion Ratio Lower Upper

105 100

120 51.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.499 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

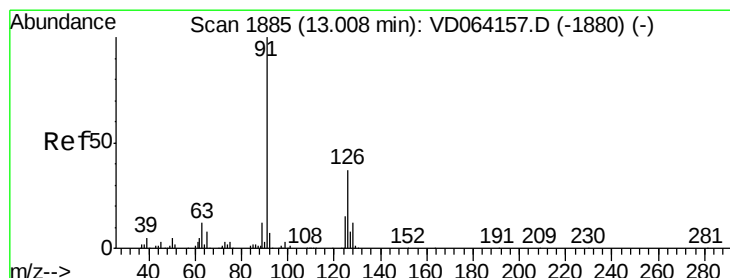
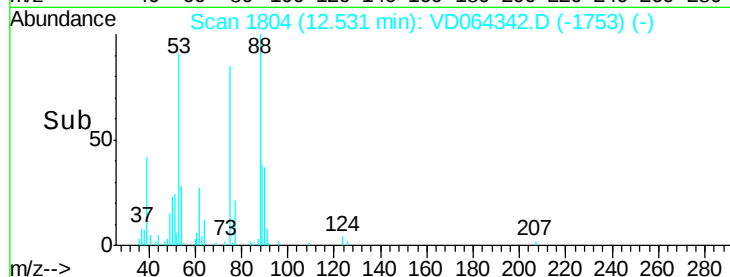
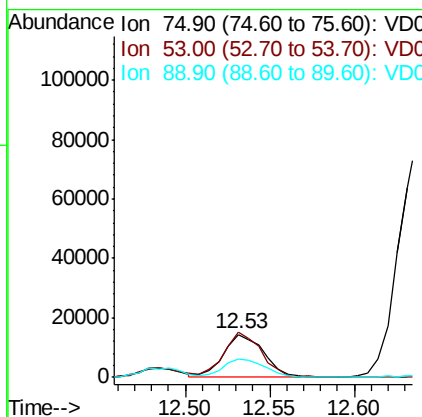
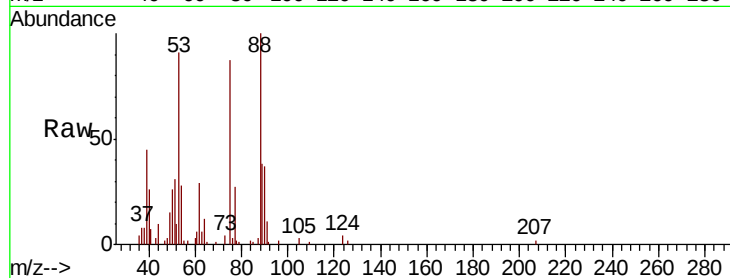
ClientSampleId :

VD1122SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 24111 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 97.3  | 79.4  | 119.0 |
| 89        | 44.8  | 36.6  | 55.0  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 20.163 ug/l

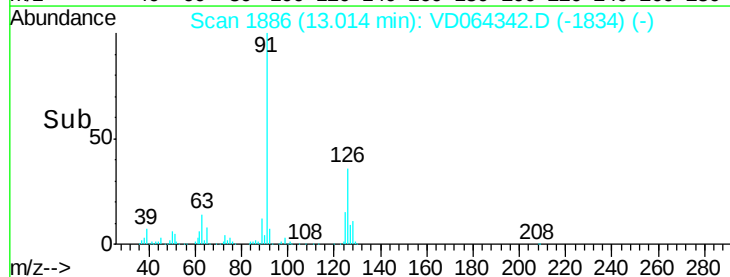
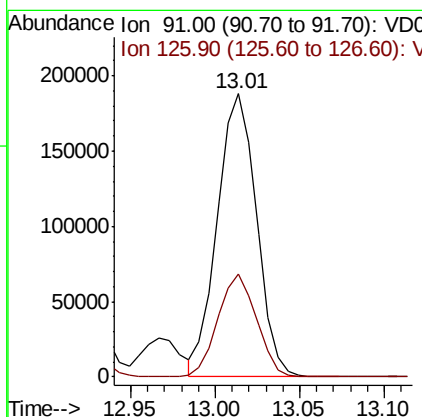
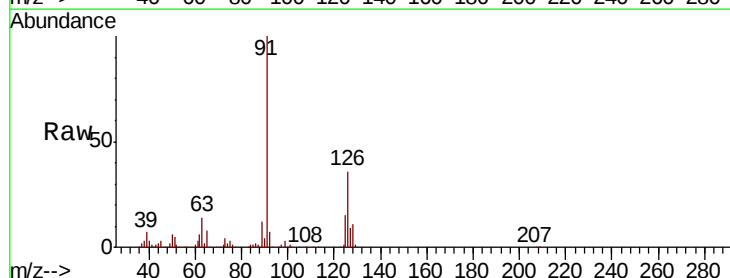
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 303627 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 35.8  | 17.8  | 53.4   |





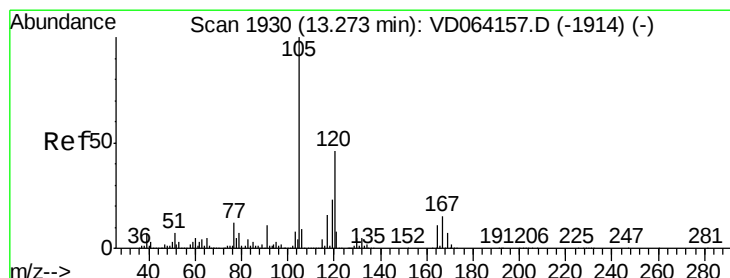
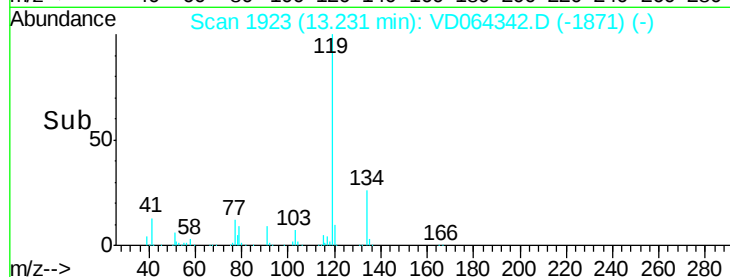
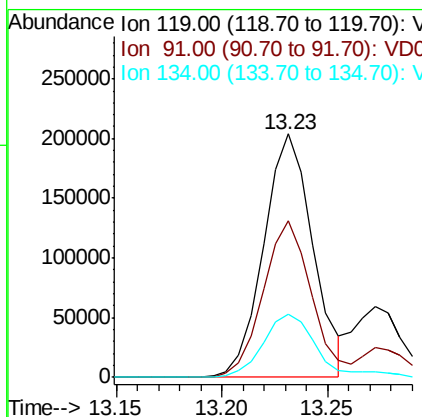
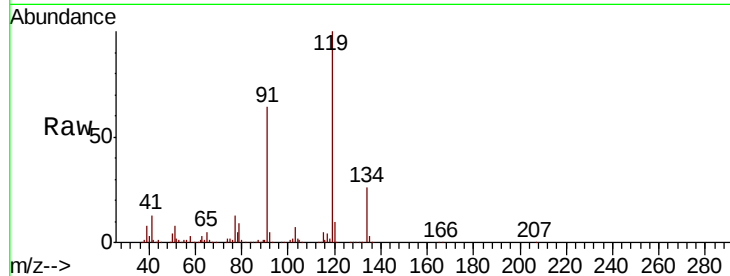
#83  
tert-Butylbenzene  
Concen: 20.407 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 330945 |       |       |
| 91      | 63.2  |        | 31.8  | 95.4  |
| 134     | 28.6  |        | 13.7  | 41.0  |

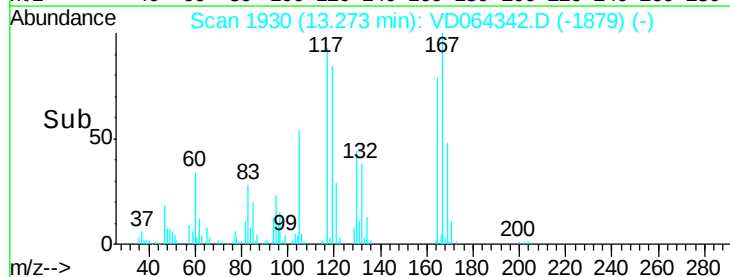
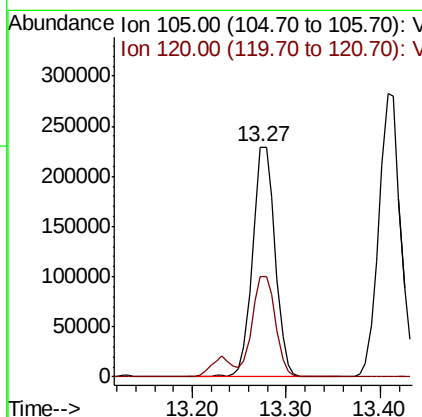
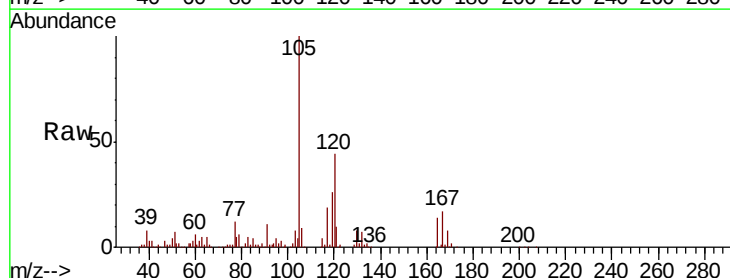
Manual Integrations  
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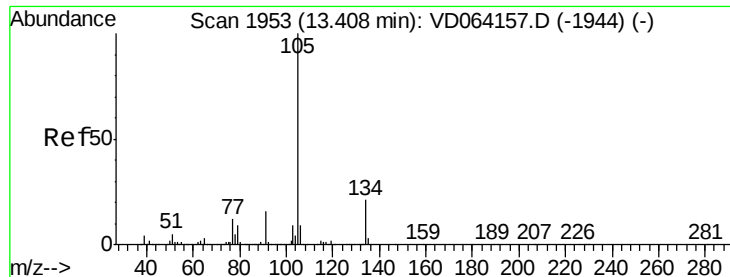
MMDadoda  
11/26/2019 1:34:46 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.025 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. -0.00 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 381754 |       |       |
| 120     | 44.6  |        | 23.3  | 69.8  |





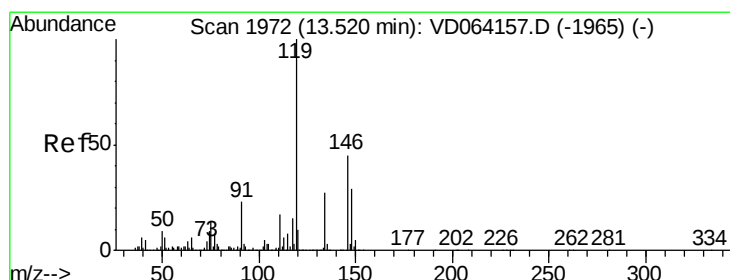
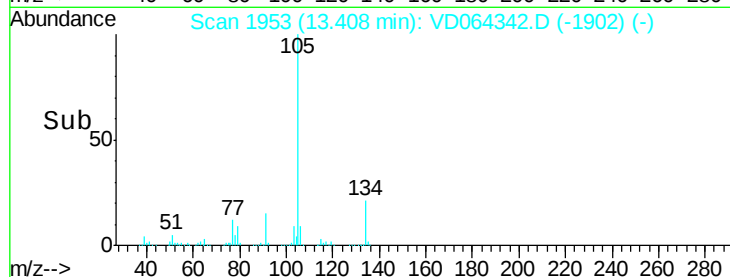
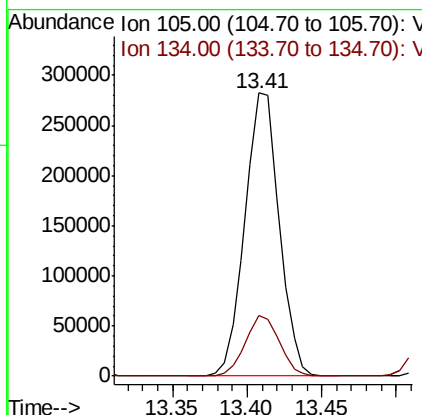
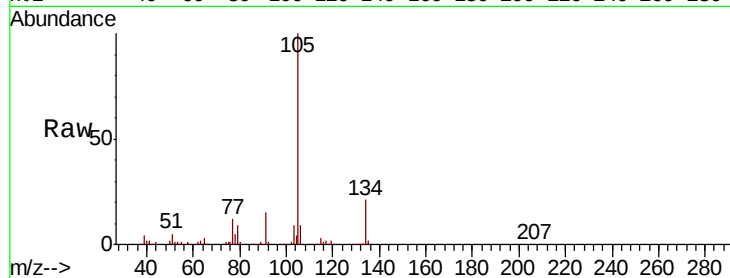
#85  
 sec-Butylbenzene  
 Concen: 20.643 ug/l  
 RT: 13.41 min Scan# 1953  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.2  | 10.7  | 31.9  |

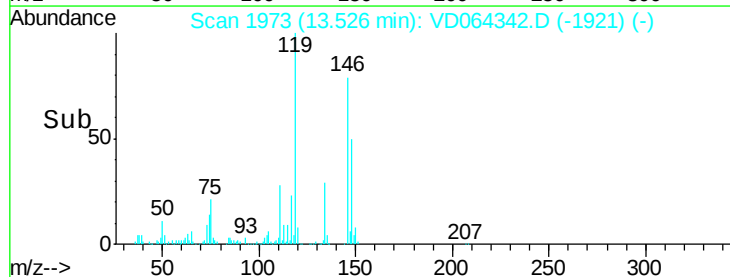
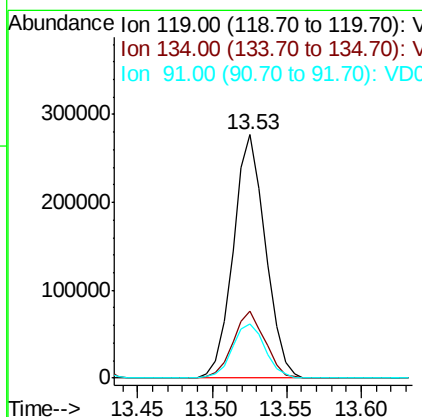
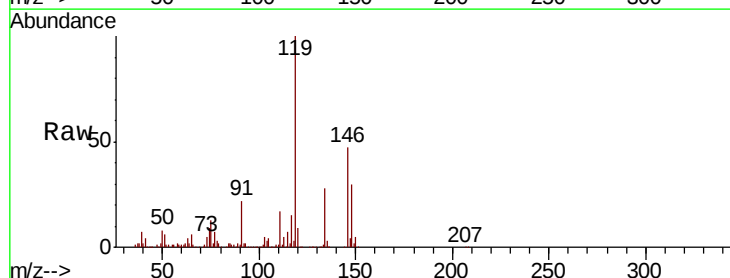
Manual Integrations  
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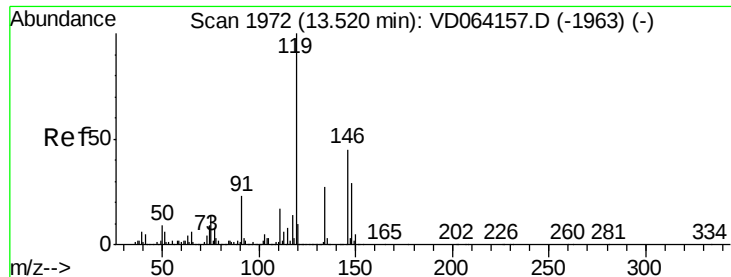
MMDadoda  
 11/26/2019 1:34:46 AM



#86  
 p-Isopropyltoluene  
 Concen: 20.121 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.3  | 13.5  | 40.5  |
| 91      | 22.7  | 11.5  | 34.4  |





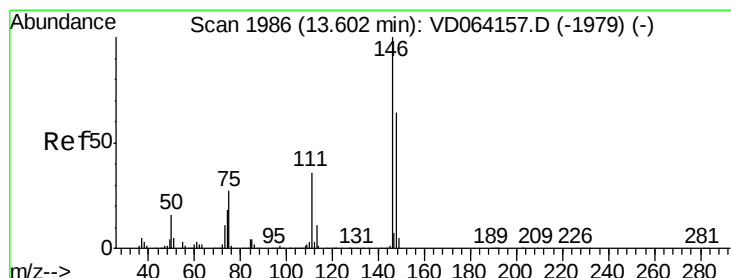
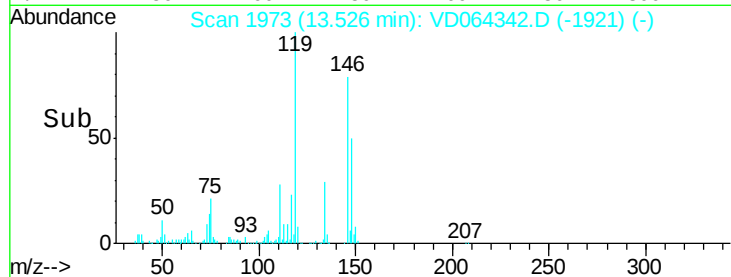
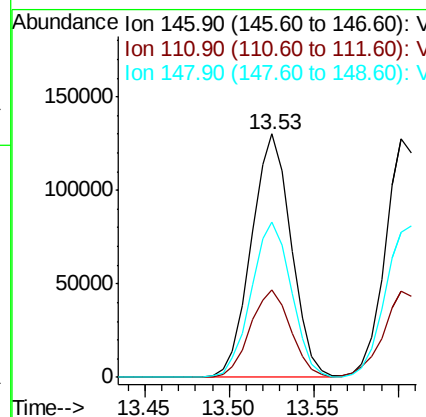
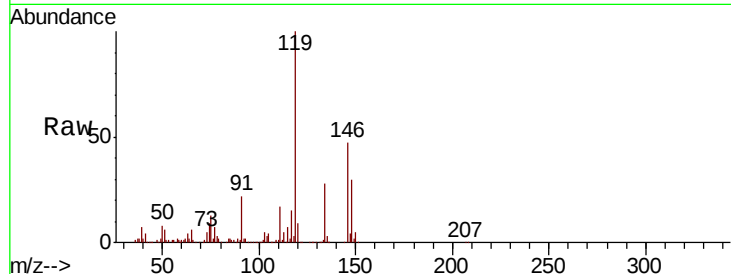
#87  
 1,3-Dichlorobenzene  
 Concen: 21.187 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.9  | 56.9  |
| 148     | 64.3  | 32.1  | 96.5  |

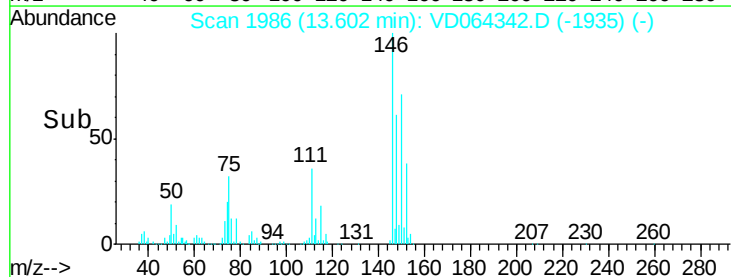
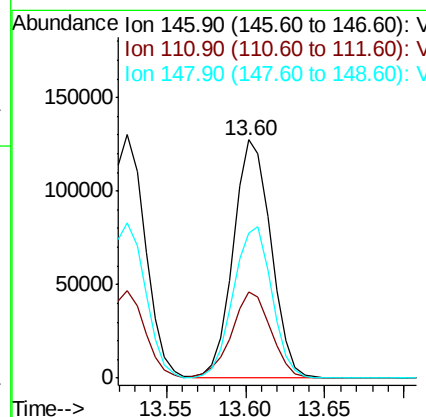
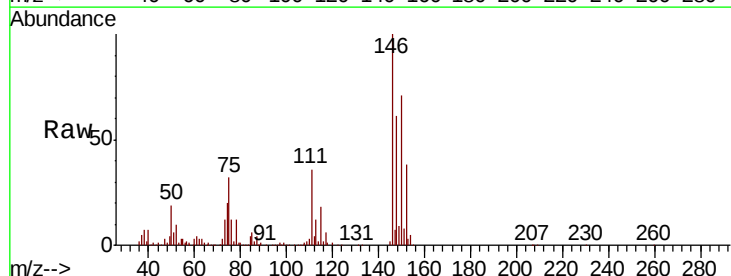
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.315 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.1  | 54.4  |
| 148     | 65.1  | 31.9  | 95.7  |





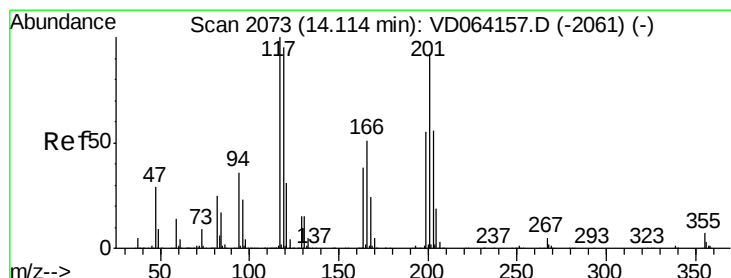
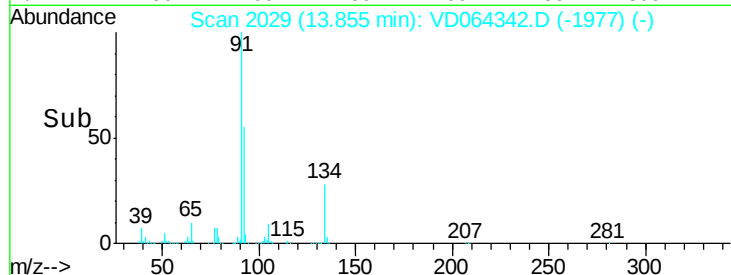
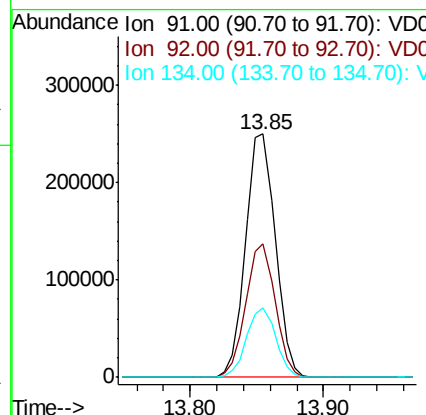
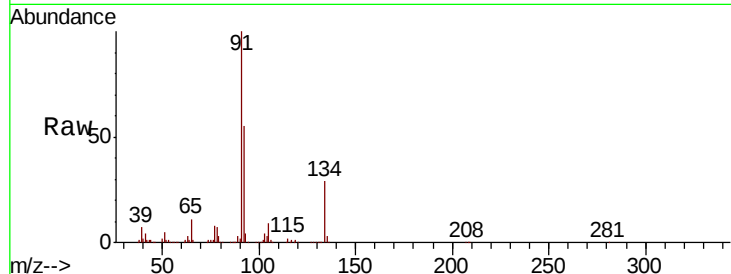
#89  
n-Butylbenzene  
Concen: 20.553 ug/l  
RT: 13.85 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.2  | 27.3  | 81.8  |
| 134     | 28.3  | 14.1  | 42.4  |

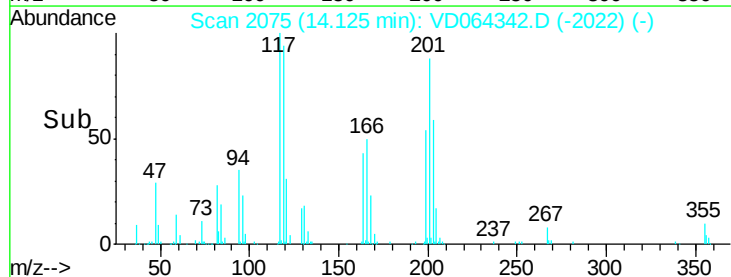
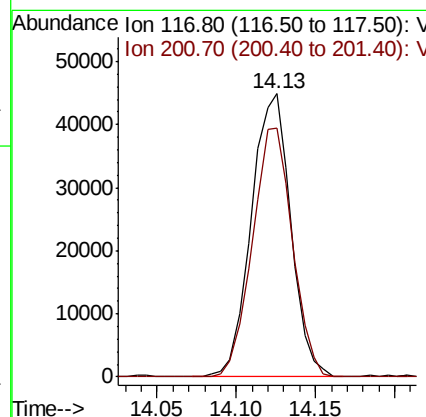
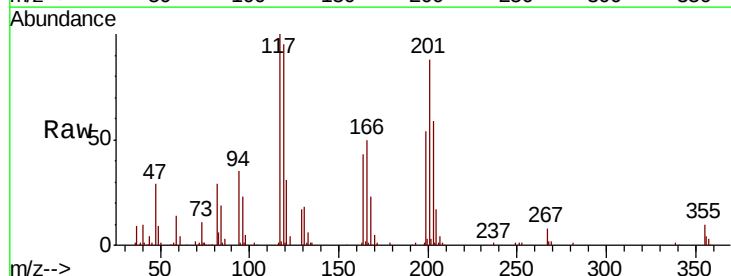
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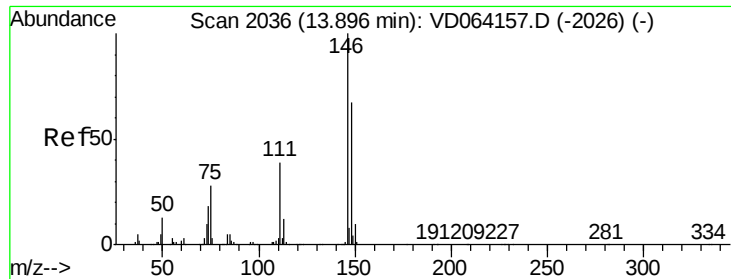
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#90  
Hexachloroethane  
Concen: 20.316 ug/l  
RT: 14.13 min Scan# 2075  
Delta R.T. 0.01 min  
Lab File: VD064342.D  
Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.2  | 45.8  | 137.4 |





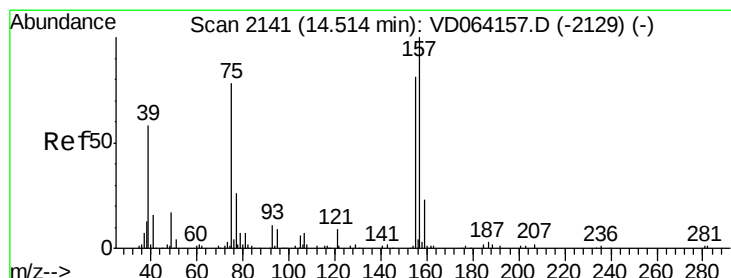
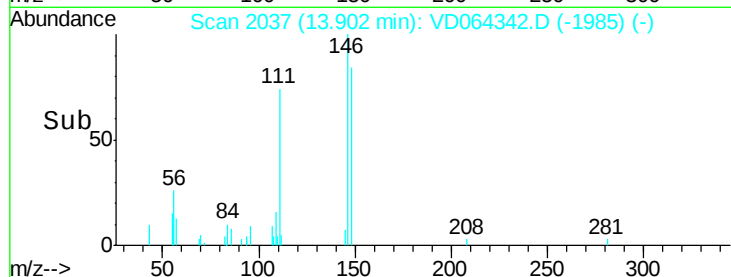
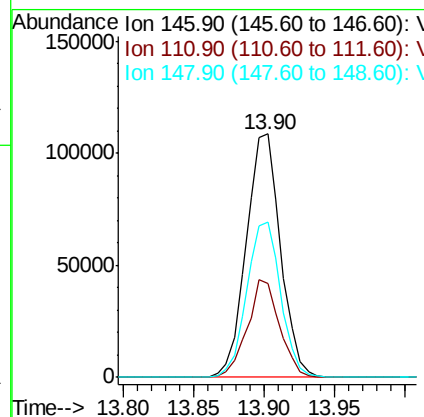
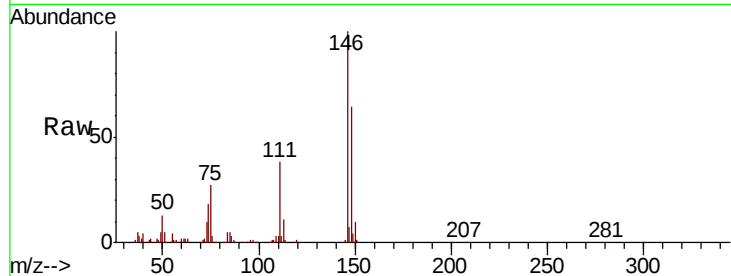
#91  
 1,2-Dichlorobenzene  
 Concen: 21.630 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.7  | 59.0  |
| 148     | 63.1  | 32.3  | 96.8  |

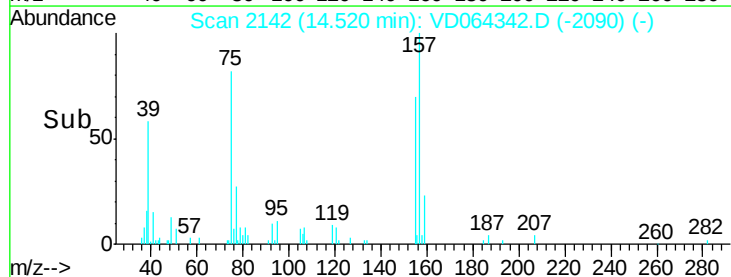
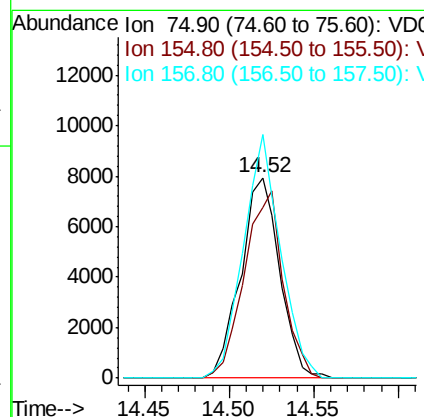
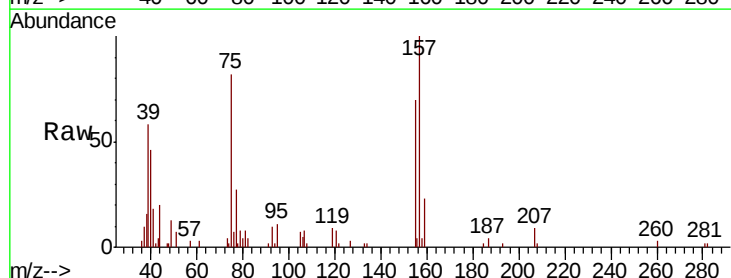
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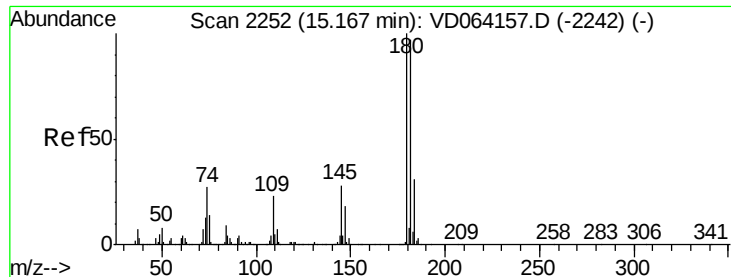
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.240 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.6  | 48.0  | 144.0 |
| 157     | 115.4 | 61.5  | 184.4 |





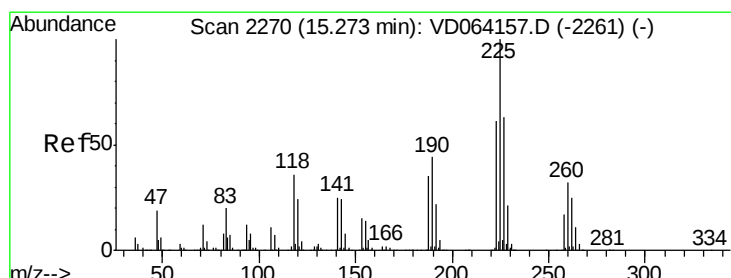
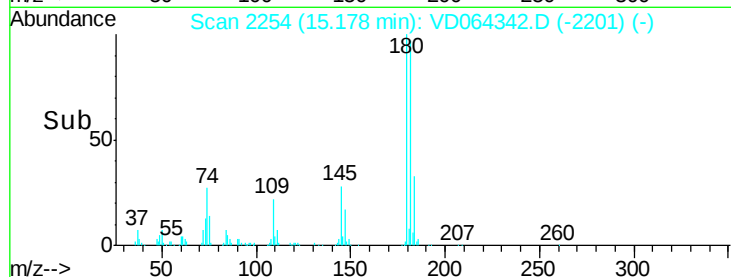
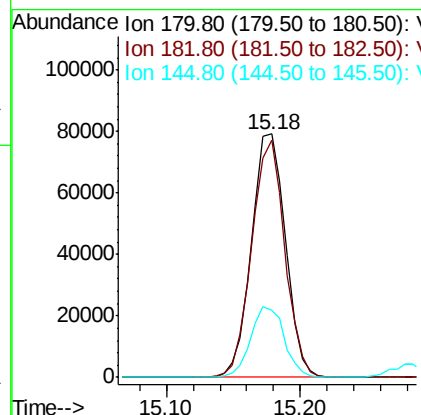
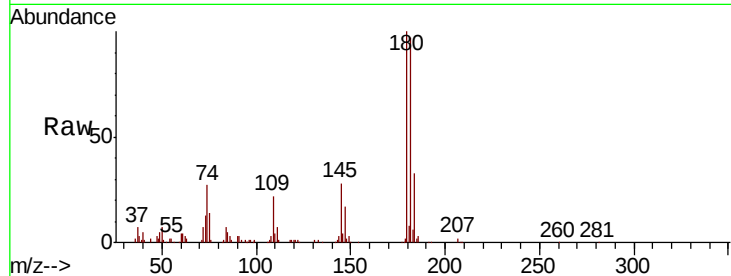
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.088 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1122SBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.7  | 47.5 | 142.5 |       |
| 145     | 28.7  | 14.2 | 42.6  |       |

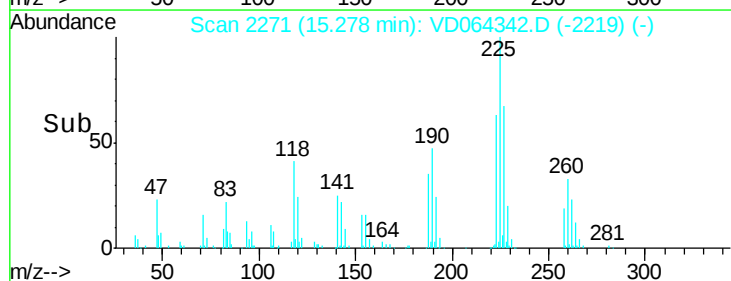
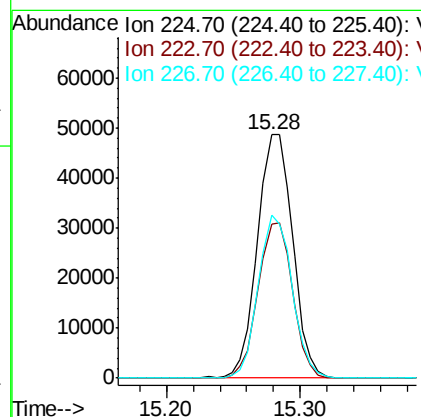
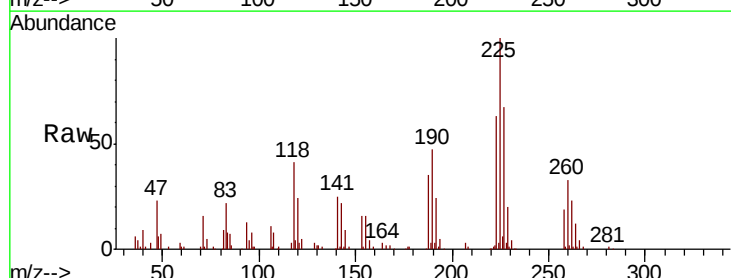
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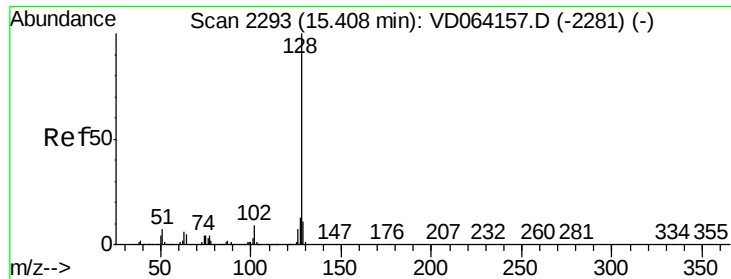
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#94  
 Hexachlorobutadiene  
 Concen: 20.945 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD064342.D  
 Acq: 22 Nov 2019 12:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.3  | 31.1 | 93.3  |       |
| 227     | 64.0  | 31.5 | 94.5  |       |





#95

Naphthalene

Concen: 22.016 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

Instrument :

MSVOA\_D

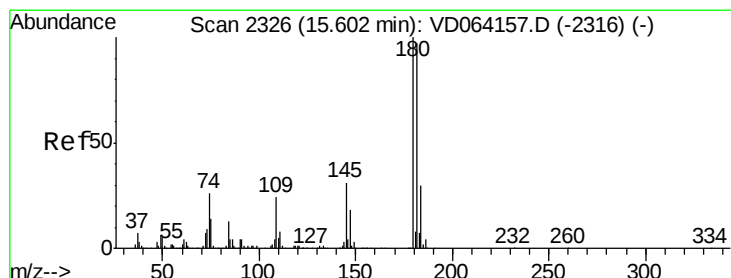
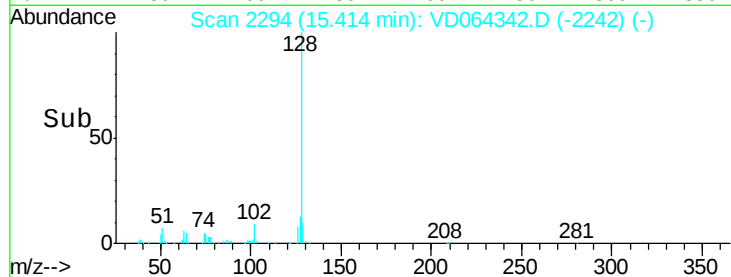
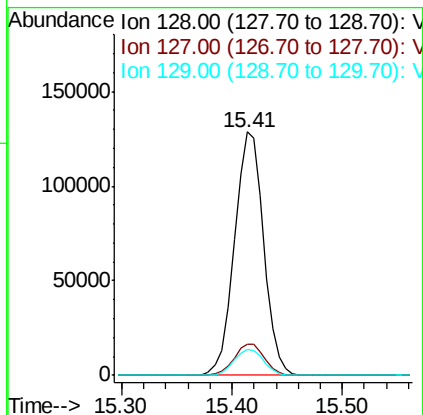
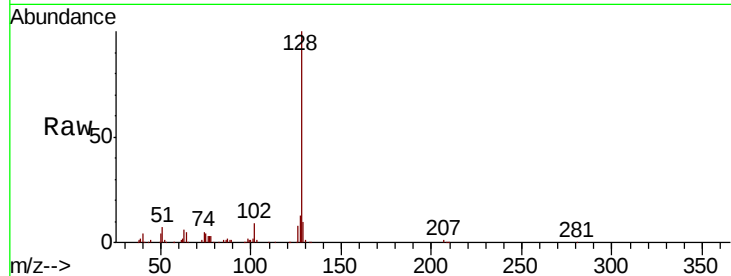
ClientSampleId :

VD1122SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 237851 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 13.4 | 10.5  | 15.7   |
| 129       | 11.0 | 8.6   | 13.0   |

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#96

1,2,3-Trichlorobenzene

Concen: 21.981 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064342.D

Acq: 22 Nov 2019 12:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 123139 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 95.4 | 48.3  | 144.9  |
| 145       | 30.1 | 15.3  | 45.8   |

