

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\  
 Data File : VD065415.D  
 Acq On : 04 Mar 2020 17:18  
 Operator : VA/SY  
 Sample : VD0304SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 1:39:07 PM

Quant Time: Mar 05 02:10:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 01:22:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 499217   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 735445   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 664302   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 333831   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 213178   | 49.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.56%  |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 221742   | 48.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.52%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 877350   | 50.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.56% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 272486   | 50.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.18% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 93528  | 21.799  | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 106699 | 20.599  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.35 | 62  | 104577 | 20.469  | ug/l   | 100    |
| 5) Bromomethane               | 2.76 | 94  | 67827  | 20.908  | ug/l   | 100    |
| 6) Chloroethane               | 2.92 | 64  | 64475  | 20.605  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 153706 | 20.417  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 45687  | 20.407  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 100425 | 20.712  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142 | 99277  | 19.709  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 22362  | 91.039  | ug/l # | 94     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 93625  | 20.166  | ug/l   | 99     |
| 13) Acrolein                  | 3.91 | 56  | 41660  | 98.343  | ug/l   | 99     |
| 14) Allyl chloride            | 4.70 | 41  | 141426 | 19.829  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 98318  | 100.946 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 81126  | 93.674  | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 316676 | 20.482  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.72 | 43  | 44029  | 20.042  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 184217 | 20.633  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.96 | 84  | 106590 | 20.634  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.46 | 96  | 105763 | 20.478  | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.37 | 45  | 279932 | 21.114  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 751918 | 102.140 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 172786 | 20.318  | ug/l   | 98     |
| 25) 2-Butanone                | 7.22 | 43  | 116194 | 98.315  | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 151687 | 20.411  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 105776 | 20.037  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 68154  | 20.031  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 76468  | 101.316 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 178200 | 20.965  | ug/l   | 98     |
| 31) Cyclohexane               | 7.98 | 56  | 172201 | 20.251  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 156083 | 19.871  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 142142 | 20.163  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 53529  | 19.645  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.09 | 117 | 147702 | 20.205  | ug/l   | 96     |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0304SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 1:39:07 PM

Quant Time: Mar 05 02:10:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 01:22:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 168497   | 19.789  | ug/l   | 97       |
| 40) Benzene                    | 8.35  | 78   | 399089   | 20.247  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.52  | 41   | 30704    | 21.307  | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 104757   | 20.353  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 99859    | 19.848  | ug/l   | 98       |
| 44) Trichloroethene            | 9.11  | 130  | 114521   | 20.574  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 95852    | 20.076  | ug/l   | 97       |
| 46) Dibromomethane             | 9.47  | 93   | 50539    | 20.407  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.66  | 83   | 130356   | 20.232  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.46  | 41   | 46473    | 19.637  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 11307    | 399.136 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 258375   | 102.051 | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 254774   | 20.518  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 119942   | 19.920  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 147327   | 20.215  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 70367    | 20.061  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 80605    | 20.384  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 122325   | 20.611  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 133720   | 109.432 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 174218   | 99.404  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 91886    | 20.436  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 67568    | 20.195  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 96978    | 20.373  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 268239   | 20.405  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 98850    | 20.647  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 464935   | 20.469  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 364306   | 41.595  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 159068   | 20.647  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 284448   | 20.979  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 55273    | 20.553  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 433407   | 19.738  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 88004    | 19.577  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 76360    | 19.784  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 50329m   | 19.106  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 110033   | 20.170  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 529738   | 20.333  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 291499   | 19.853  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 364590   | 20.197  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 24427    | 19.569  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 309423   | 20.054  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 297851   | 19.503  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 362605   | 20.378  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 437423   | 20.066  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 401297   | 20.174  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 209829   | 20.006  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 209161   | 20.048  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 365695   | 19.886  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.12 | 117  | 82204    | 20.067  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 179382   | 20.098  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 11148    | 18.965  | ug/l   | 97       |

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Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Manual Integrations  
APPROVED

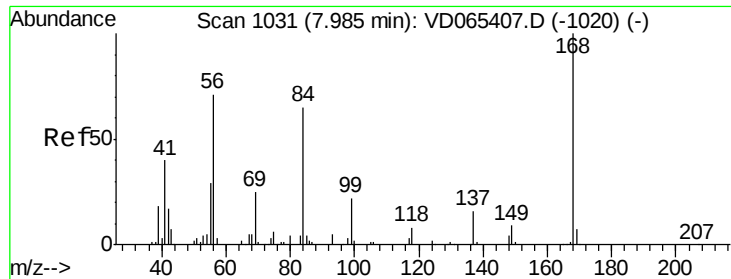
MMDadoda  
3/5/2020 1:39:07 PM

Quant Time: Mar 05 02:10:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 01:22:07 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 118760   | 19.632 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 78393    | 19.722 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 181925   | 19.793 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 104726   | 20.034 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion:168 Resp: 499217

Ion Ratio Lower Upper

168 100

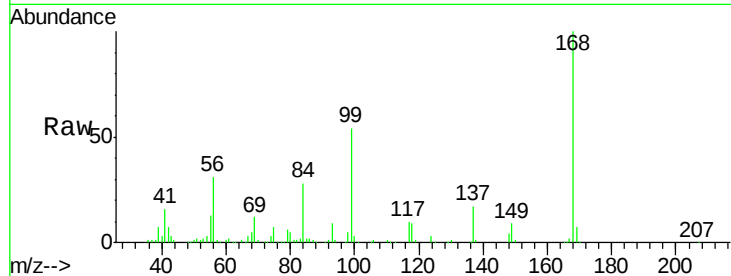
99 53.6 41.5 62.3

Manual Integrations

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3/5/2020 1:39:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

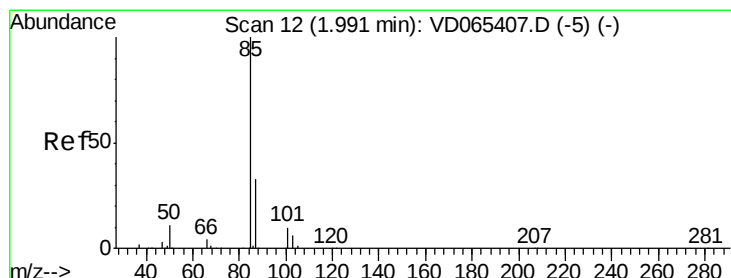
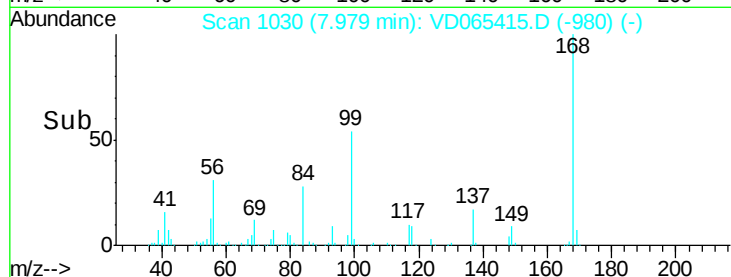
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.799 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065415.D

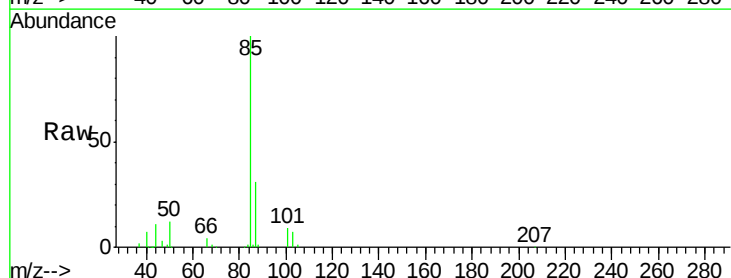
Acq: 04 Mar 2020 17:18

Tgt Ion: 85 Resp: 93528

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

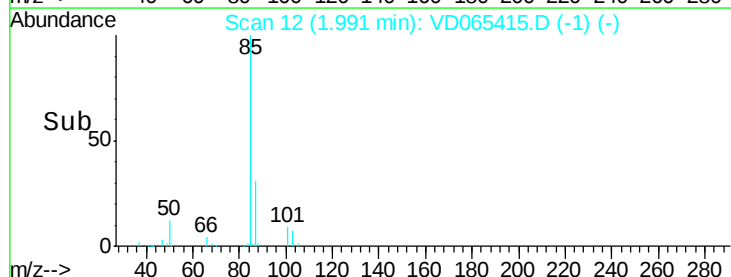
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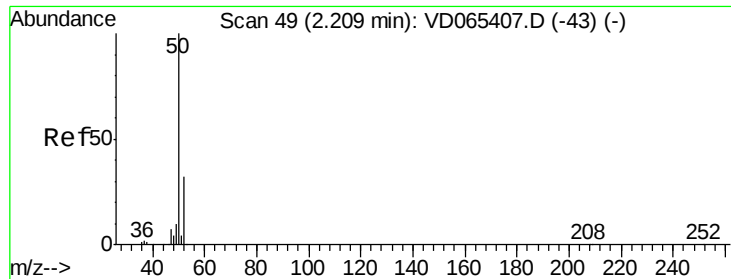
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.599 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 50 Resp: 106699

Ion Ratio Lower Upper

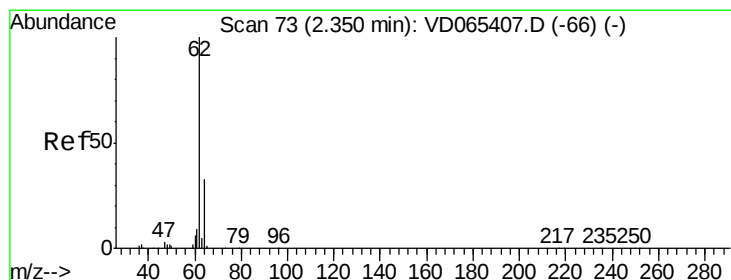
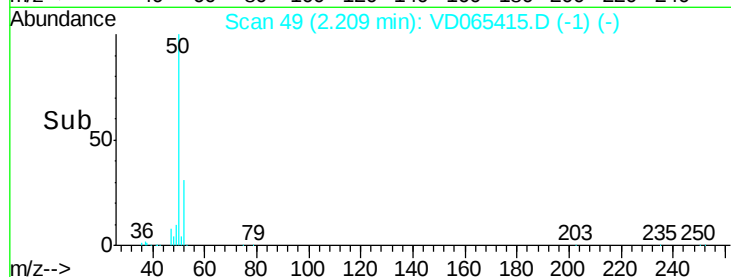
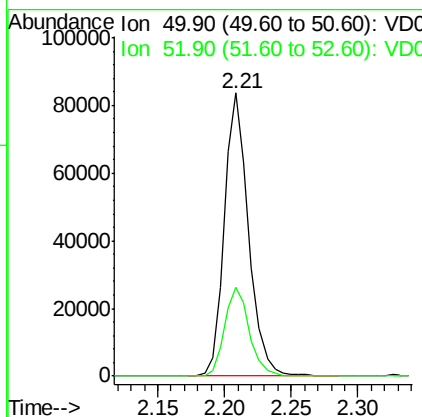
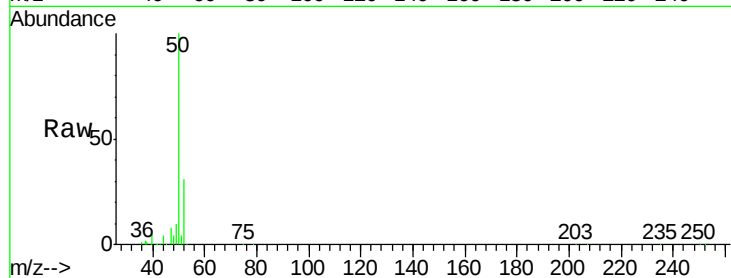
50 100

52 31.3 25.8 38.8

Manual Integrations  
APPROVED

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3/5/2020 1:39:07 PM



#4

Vinyl Chloride

Concen: 20.469 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065415.D

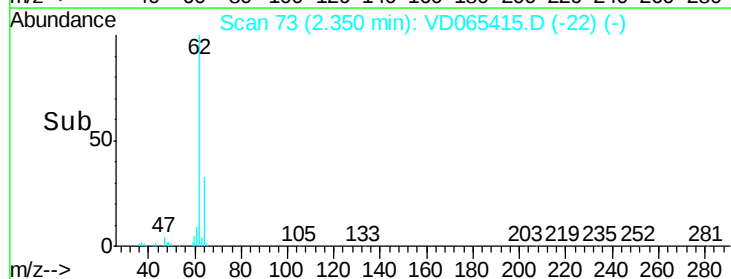
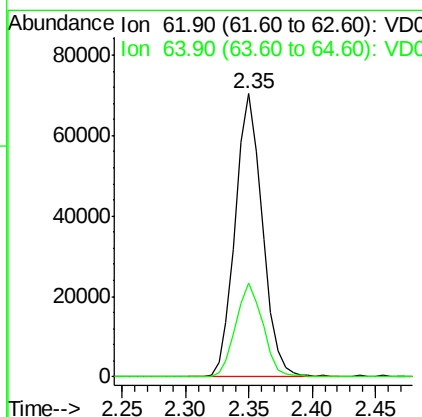
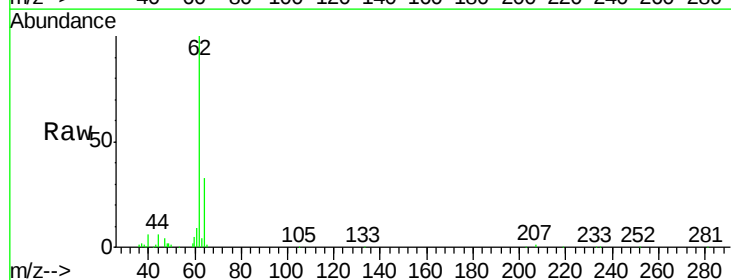
Acq: 04 Mar 2020 17:18

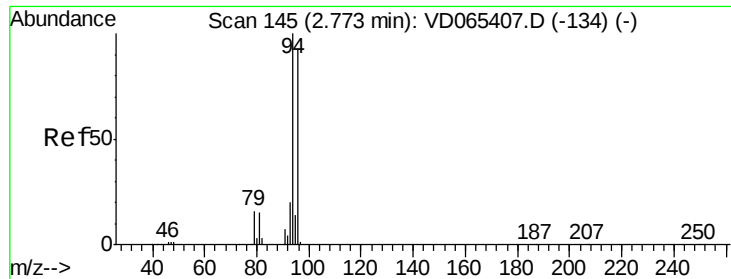
Tgt Ion: 62 Resp: 104577

Ion Ratio Lower Upper

62 100

64 33.2 26.6 39.8





#5

Bromomethane

Concen: 20.908 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 94 Resp: 67827

Ion Ratio Lower Upper

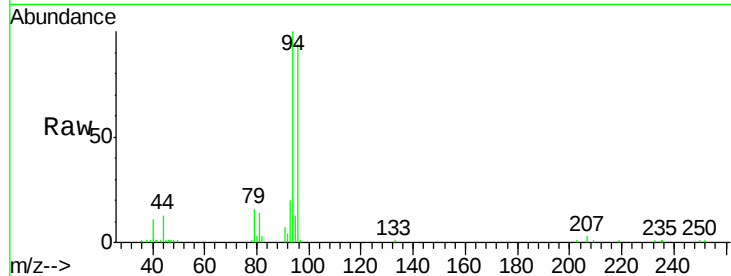
94 100

96 92.8 74.4 111.6

Manual Integrations  
APPROVED

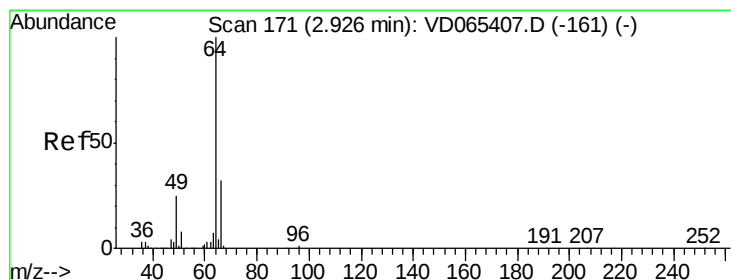
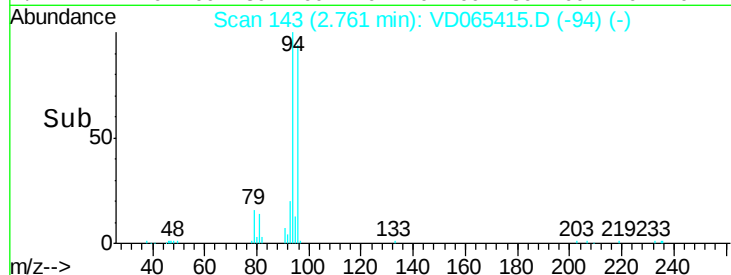
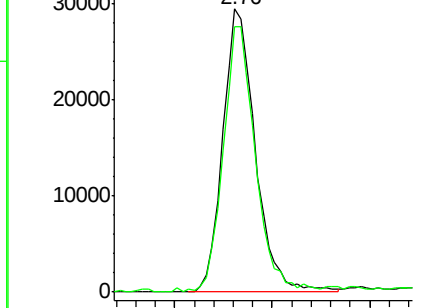
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.605 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065415.D

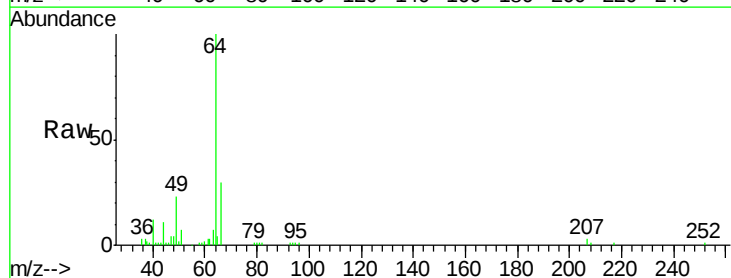
Acq: 04 Mar 2020 17:18

Tgt Ion: 64 Resp: 64475

Ion Ratio Lower Upper

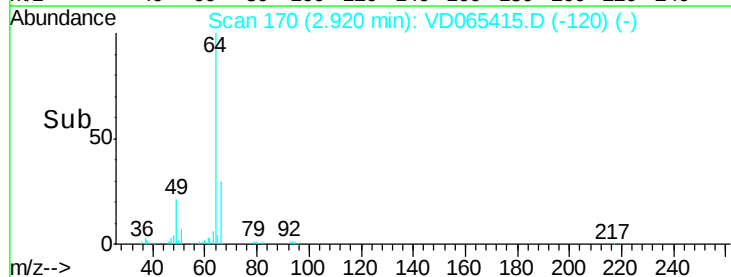
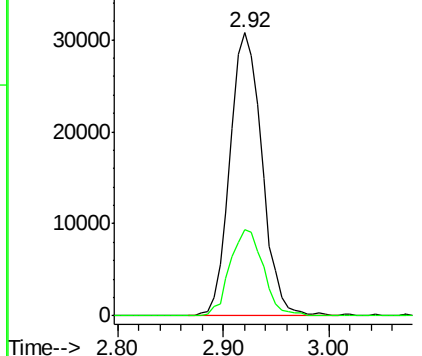
64 100

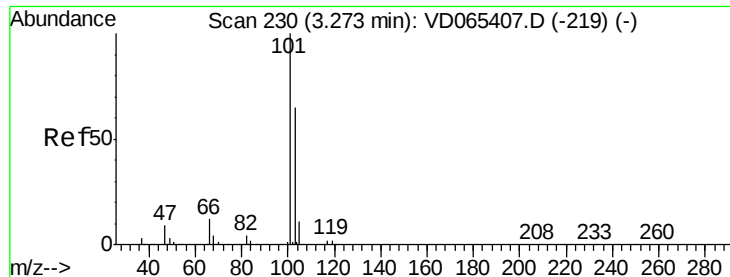
66 30.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

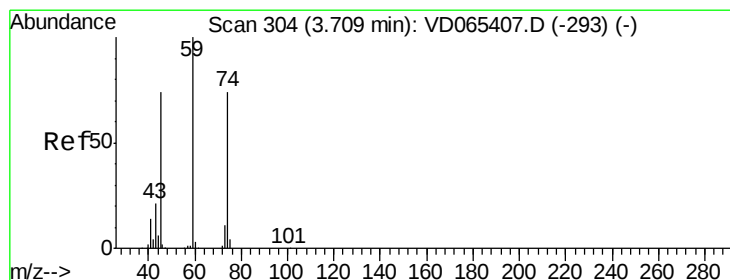
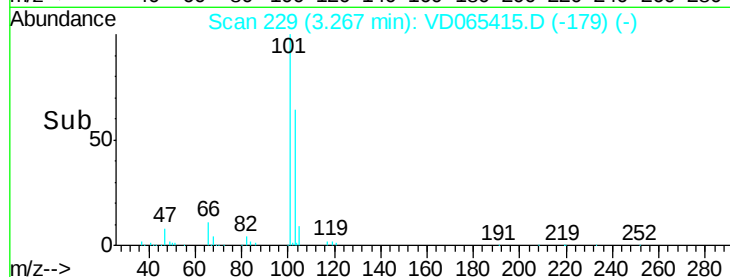
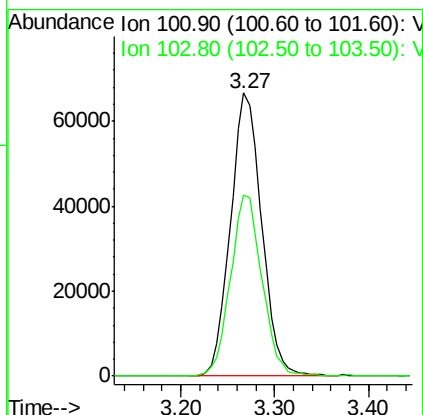
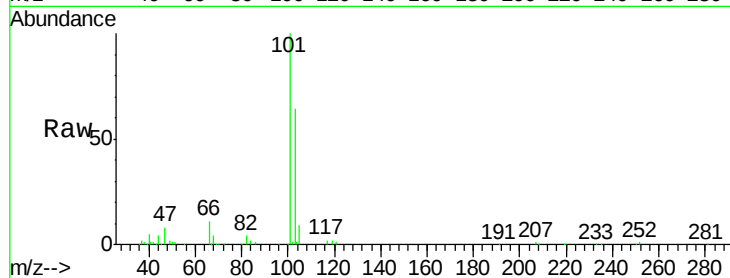
Trichlorofluoromethane  
Concen: 20.417 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.8  | 52.1  | 78.1  |

Manual Integrations  
APPROVED

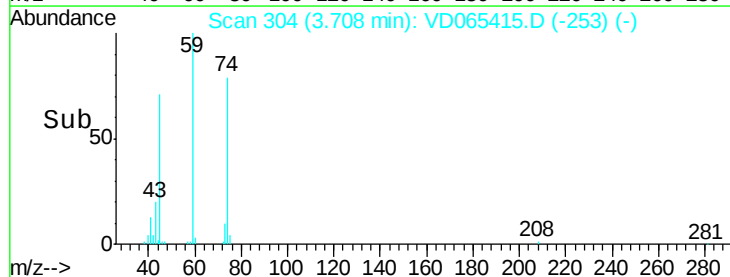
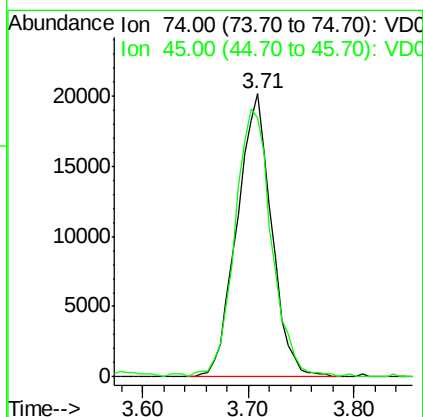
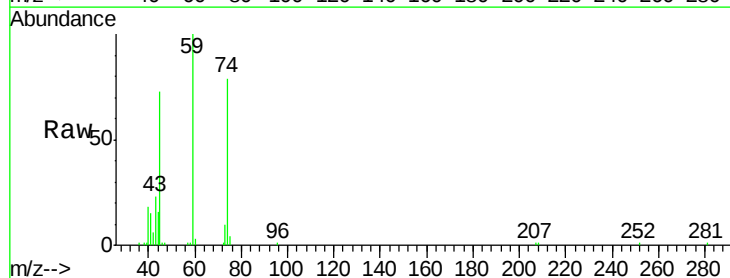
MMDadoda  
3/5/2020 1:39:07 PM

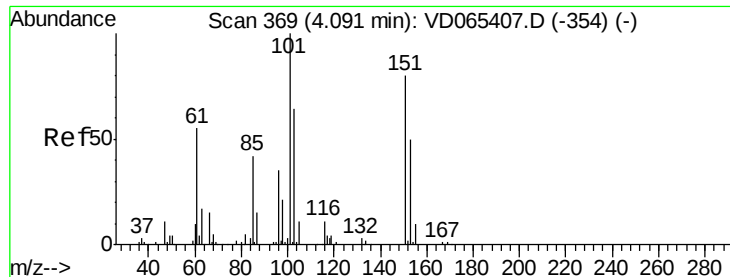


#8

Diethyl Ether  
Concen: 20.407 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.5 | 49.5  | 148.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.712 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

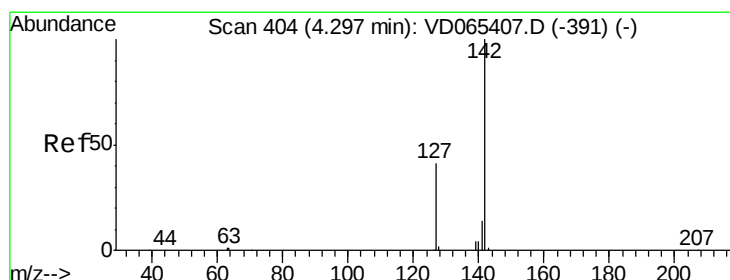
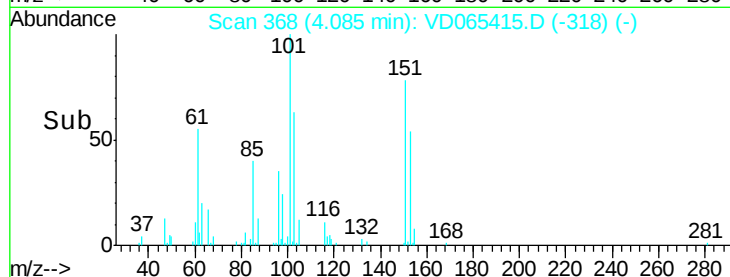
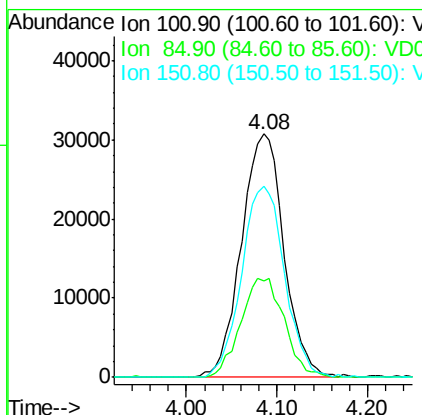
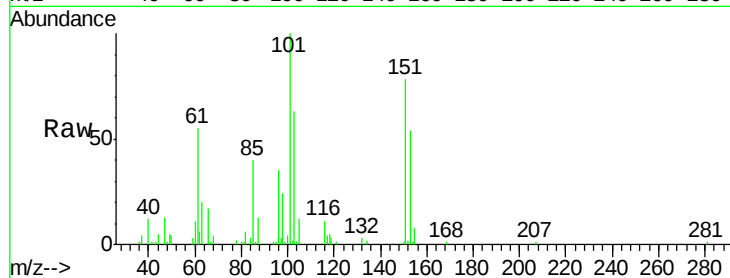
ClientSampleId :

VD0304SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 100425 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.6  | 34.2  | 51.2   |
| 151       | 79.3  | 65.1  | 97.7   |

Manual Integrations  
APPROVED

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3/5/2020 1:39:07 PM



#10

Methyl Iodide

Concen: 19.709 ug/l

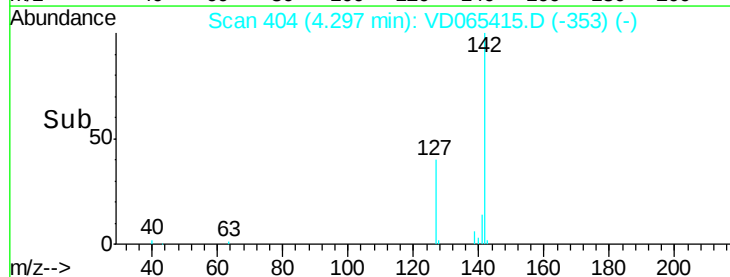
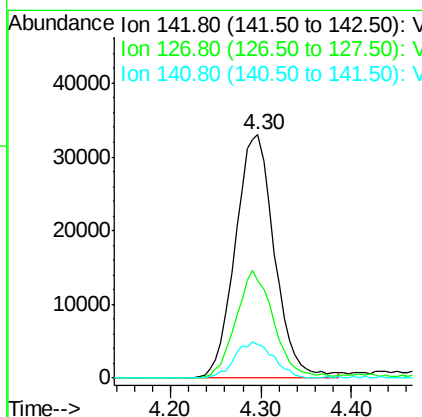
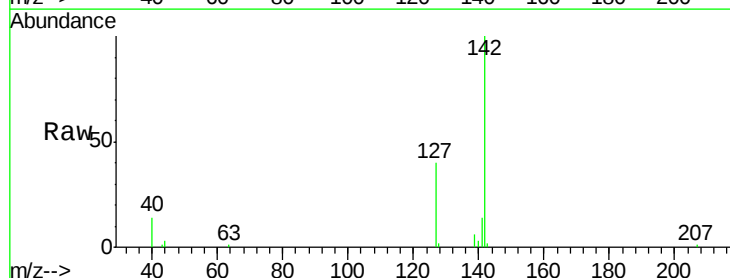
RT: 4.30 min Scan# 404

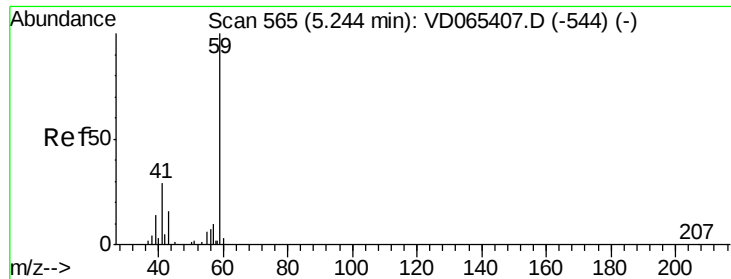
Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 99277 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.7  | 35.0  | 52.6  |
| 141       | 14.6  | 12.4  | 18.6  |





#11

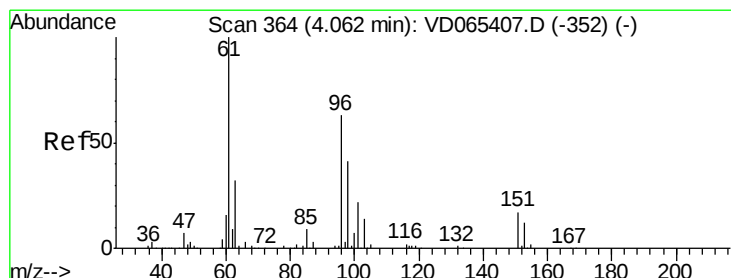
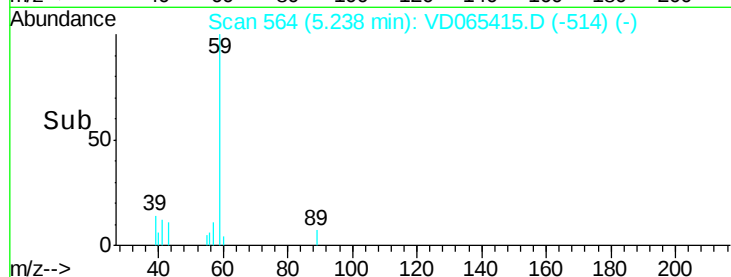
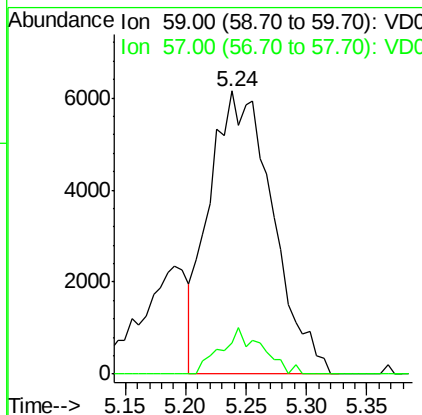
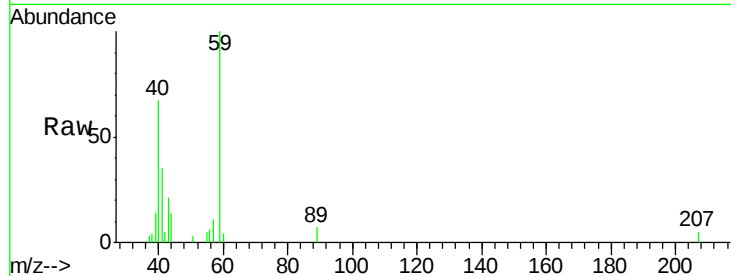
Tert butyl alcohol  
Concen: 91.039 ug/l  
RT: 5.24 min Scan# 564  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Tot Ion: 59 Resp: 22362  
Ion Ratio Lower Upper  
59 100  
57 10.7 6.9 10.3#

Manual Integrations  
APPROVED

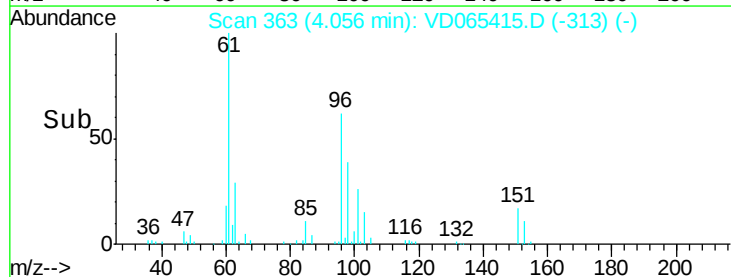
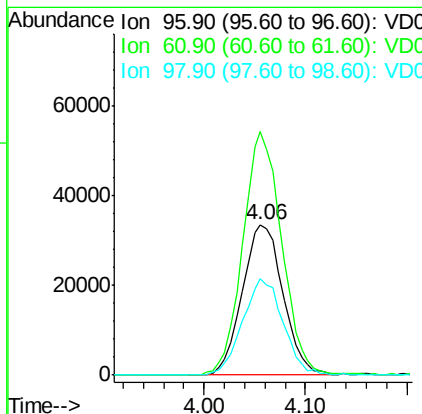
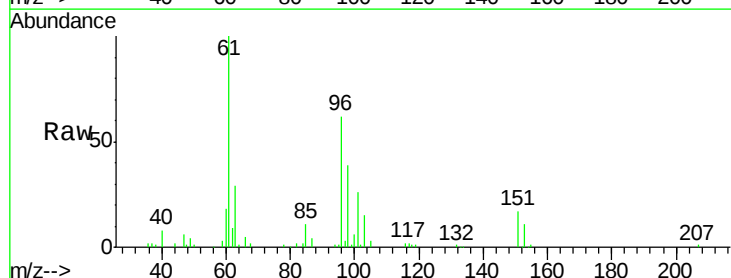
MMDadoda  
3/5/2020 1:39:07 PM

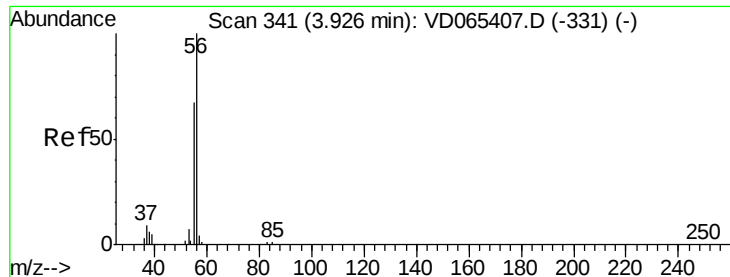


#12

1,1-Dichloroethene  
Concen: 20.166 ug/l  
RT: 4.06 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Tgt Ion: 96 Resp: 93625  
Ion Ratio Lower Upper  
96 100  
61 161.9 128.0 192.0  
98 63.7 51.9 77.9





#13

Acrolein

Concen: 98.343 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 56 Resp: 41660

Ion Ratio Lower Upper

56 100

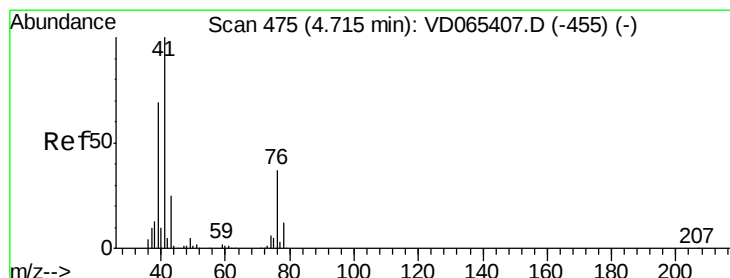
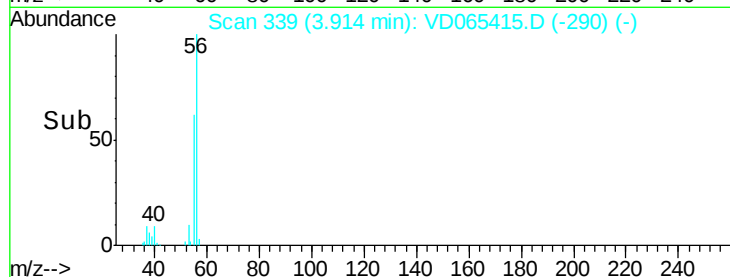
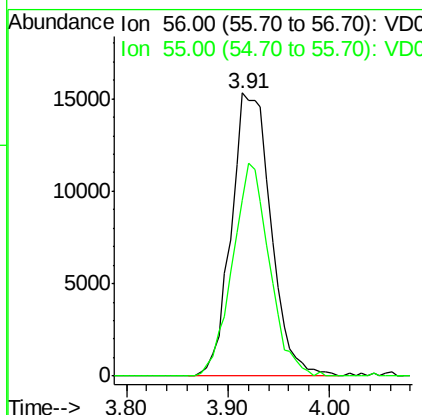
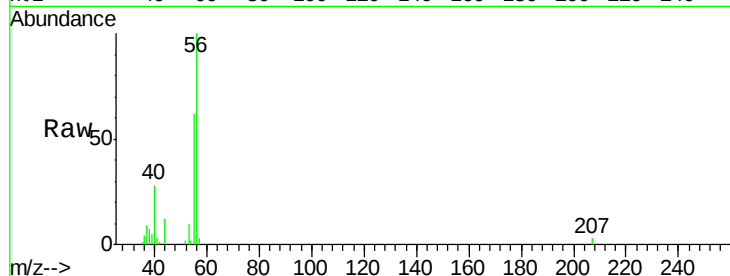
55 69.9 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:39:07 PM



#14

Allyl chloride

Concen: 19.829 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

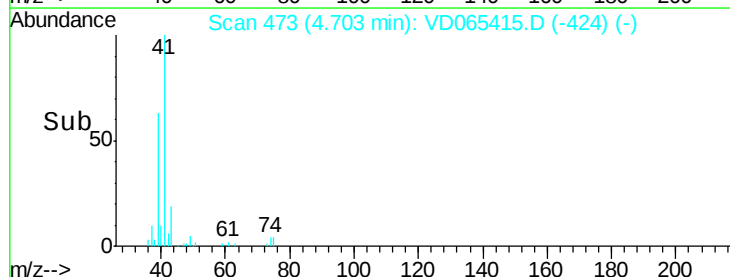
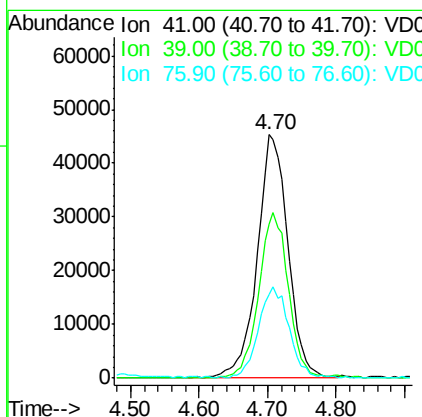
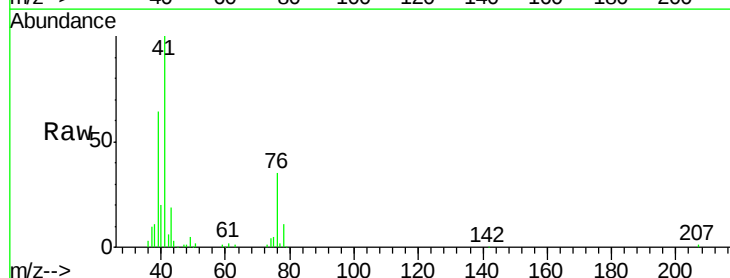
Tgt Ion: 41 Resp: 141426

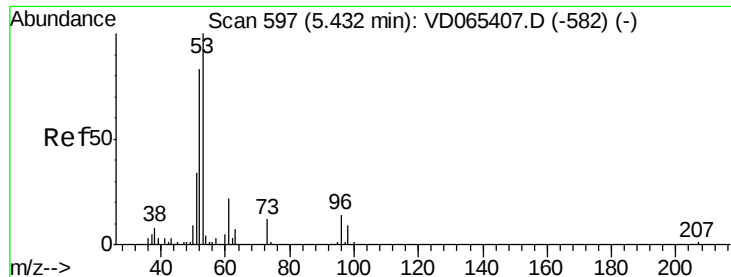
Ion Ratio Lower Upper

41 100

39 65.5 52.6 79.0

76 37.0 29.2 43.8





#15

Acrylonitrile

Concen: 100.946 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

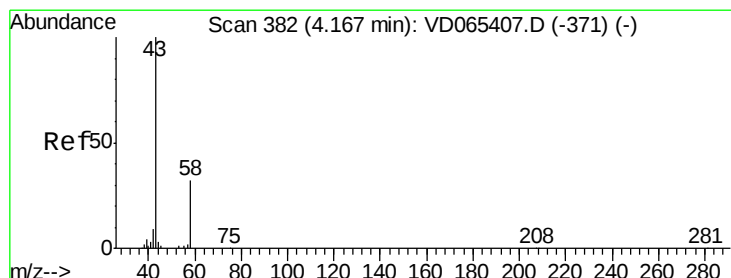
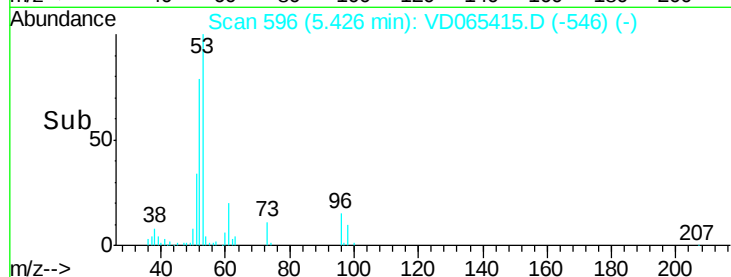
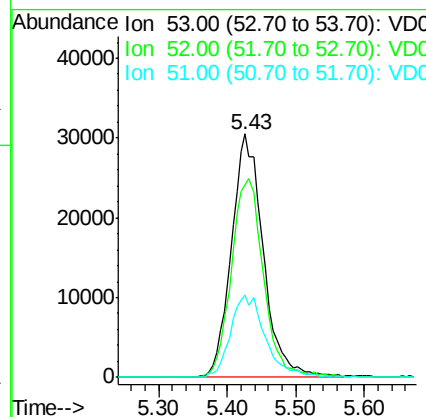
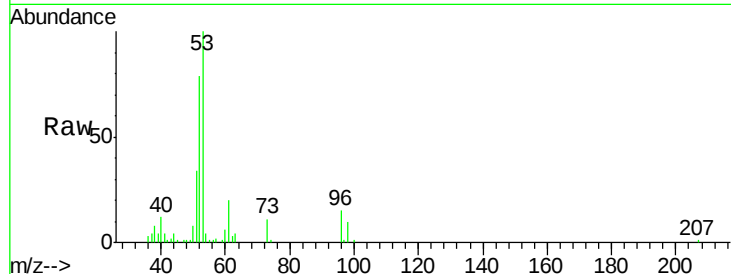
ClientSampleId :

VD0304SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 98318 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 81.4  | 65.1  | 97.7  |
| 51        | 36.5  | 28.5  | 42.7  |

Manual Integrations  
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MMDadoda  
3/5/2020 1:39:07 PM



#16

Acetone

Concen: 93.674 ug/l

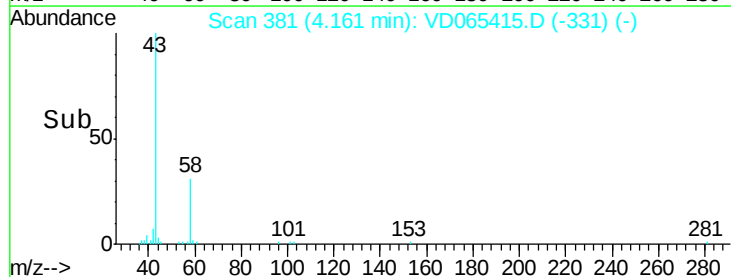
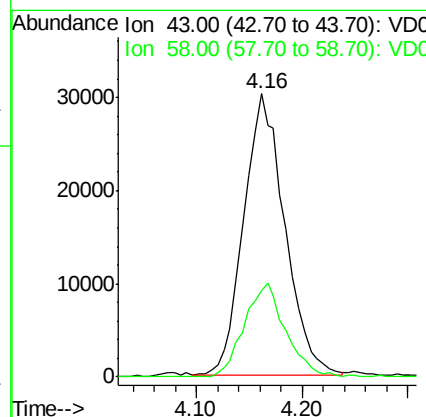
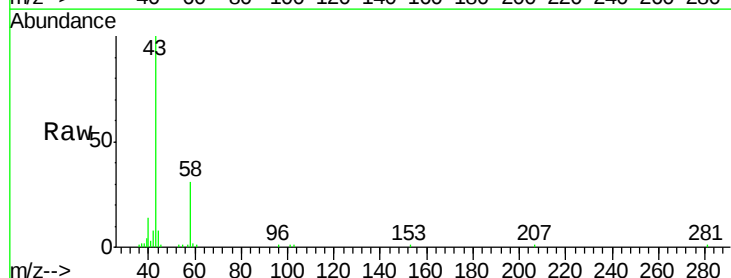
RT: 4.16 min Scan# 381

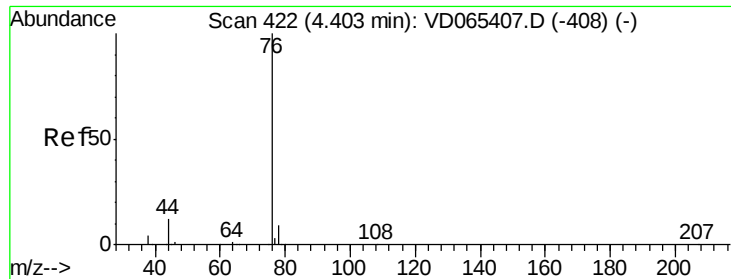
Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 81126 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.8  | 25.1  | 37.7  |





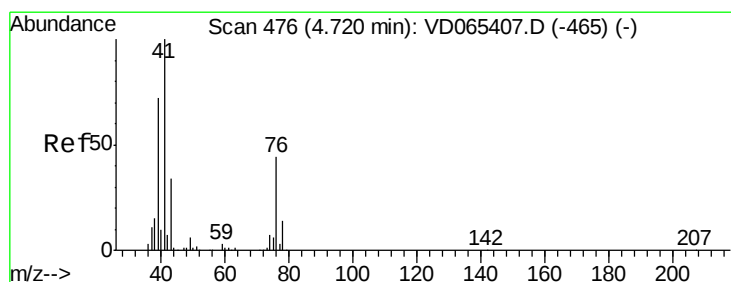
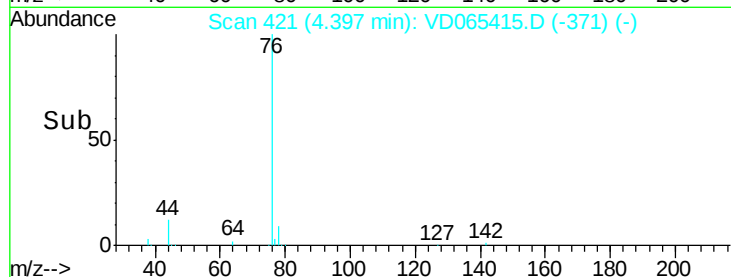
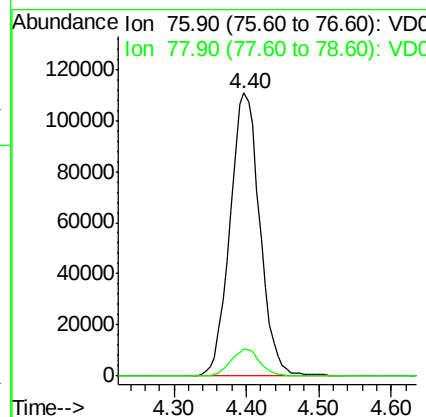
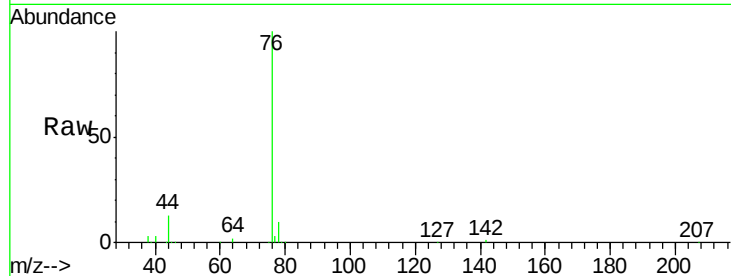
#17  
Carbon Disulfide  
Concen: 20.482 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.7   | 7.4   | 11.0  |

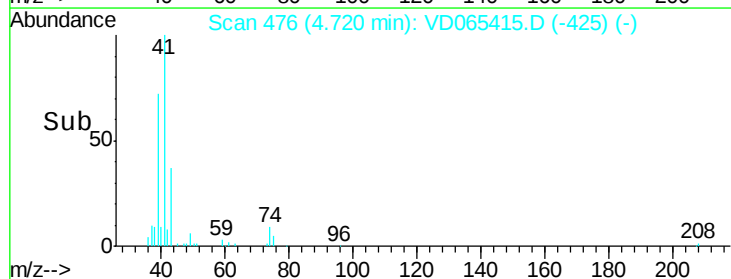
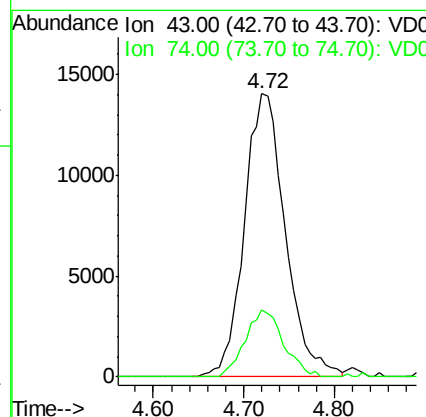
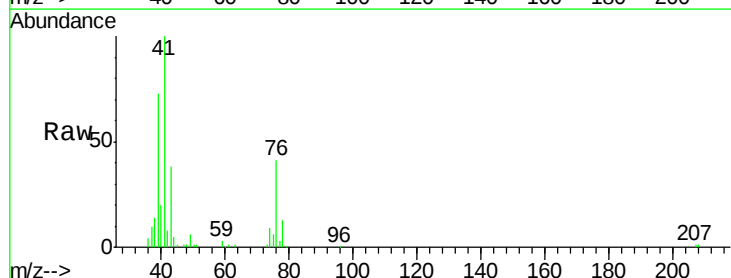
Manual Integrations  
APPROVED

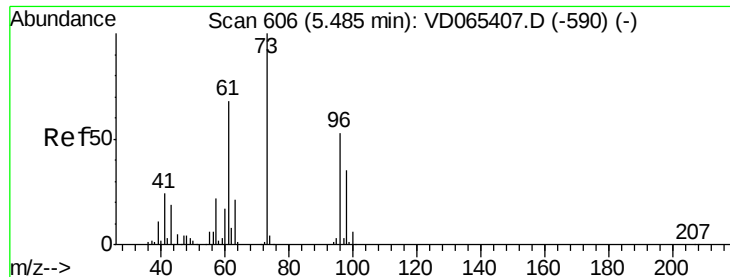
MMDadoda  
3/5/2020 1:39:07 PM



#18  
Methyl Acetate  
Concen: 20.042 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.0  | 19.6  | 29.4  |





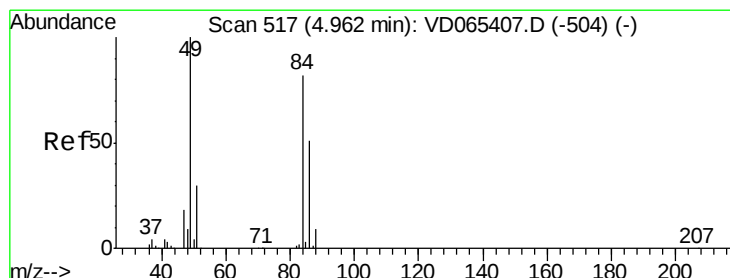
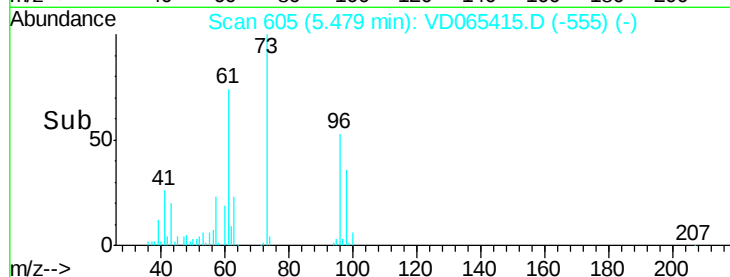
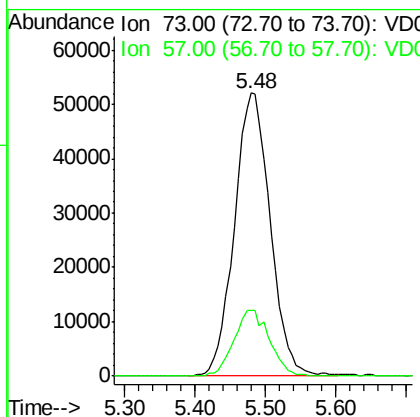
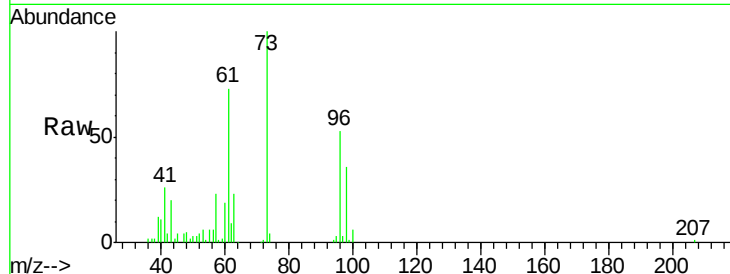
#19  
Methvl tert-butvl Ether  
Concen: 20.633 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Tot Ion: 73 Resp: 184217  
Ion Ratio Lower Upper  
73 100  
57 23.1 17.3 25.9

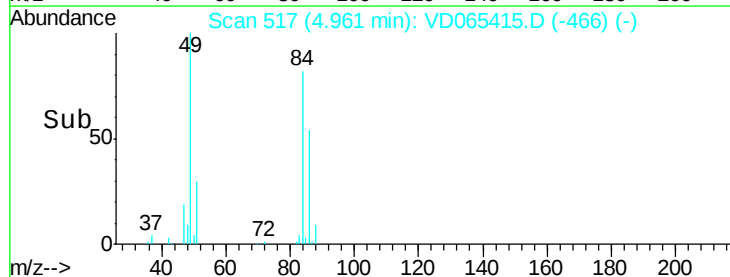
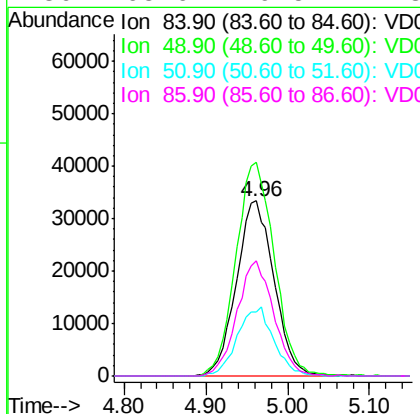
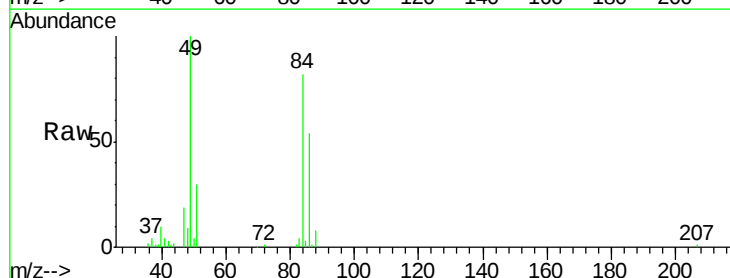
Manual Integrations  
APPROVED

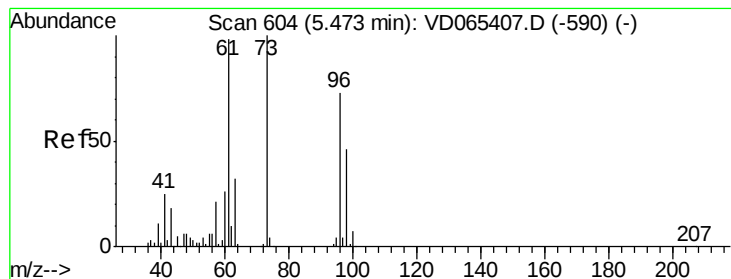
MMDadoda  
3/5/2020 1:39:07 PM



#20  
Methylene Chloride  
Concen: 20.634 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Tgt Ion: 84 Resp: 106590  
Ion Ratio Lower Upper  
84 100  
49 122.1 97.7 146.5  
51 36.7 28.8 43.2  
86 65.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.478 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

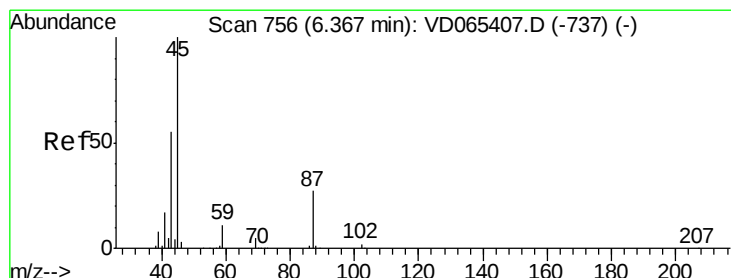
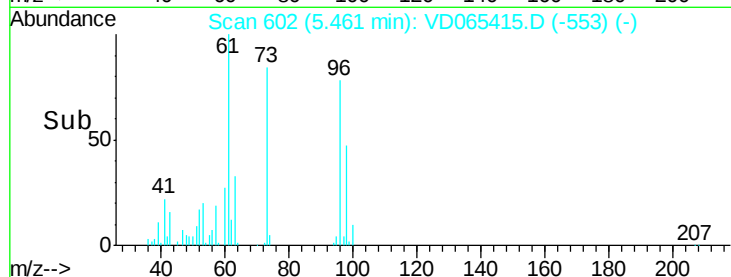
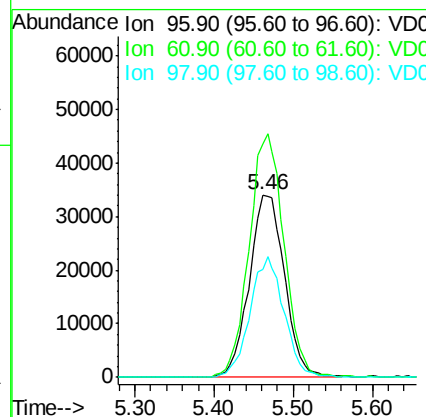
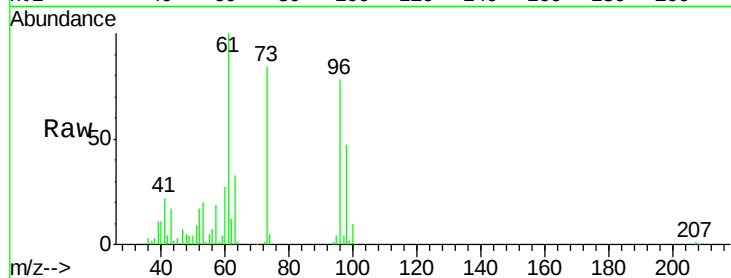
ClientSampleId :

VD0304SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 105763 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 127.7 | 106.3 | 159.5  |
| 98       | 59.4  | 50.2  | 75.4   |

Manual Integrations  
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MMDadoda  
3/5/2020 1:39:07 PM



#22

Diisopropyl ether

Concen: 21.114 ug/l

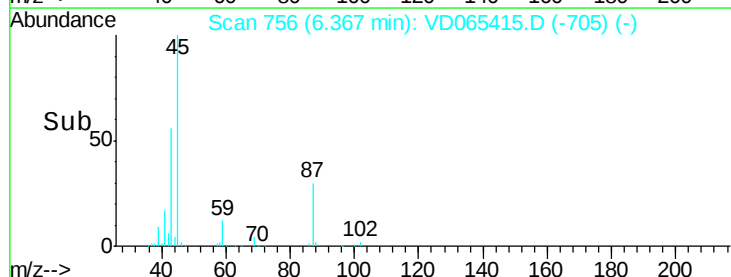
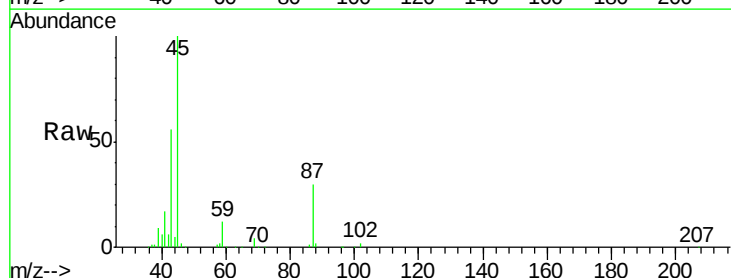
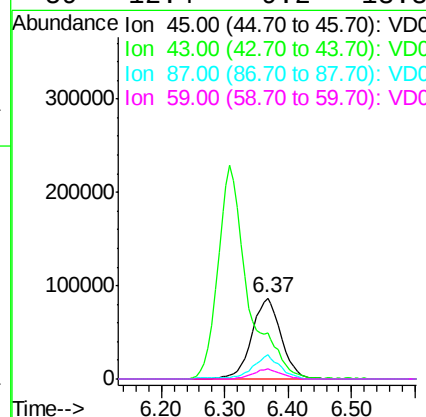
RT: 6.37 min Scan# 756

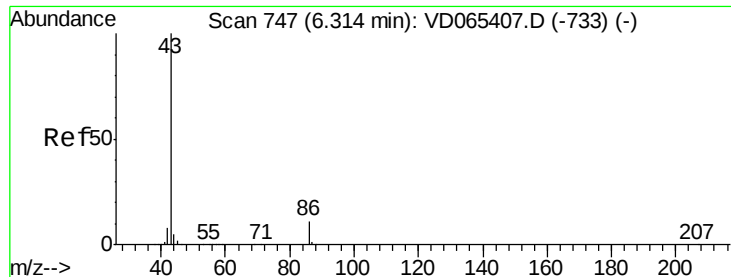
Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 279932 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.4  | 44.4  | 66.6   |
| 87       | 29.7  | 21.9  | 32.9   |
| 59       | 12.4  | 9.2   | 13.8   |





#23

Vinyl Acetate

Concen: 102.140 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 751918

Ion Ratio Lower Upper

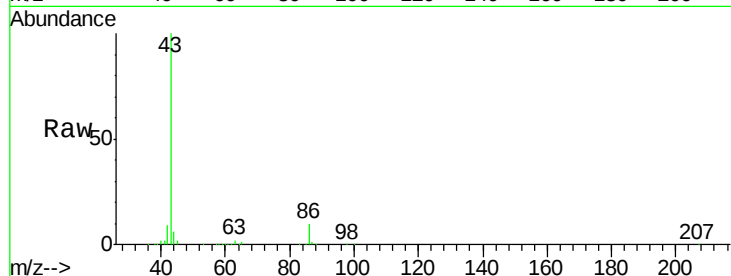
43 100

86 10.4 8.9 13.3

Manual Integrations  
APPROVED

MMDadoda

3/5/2020 1:39:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

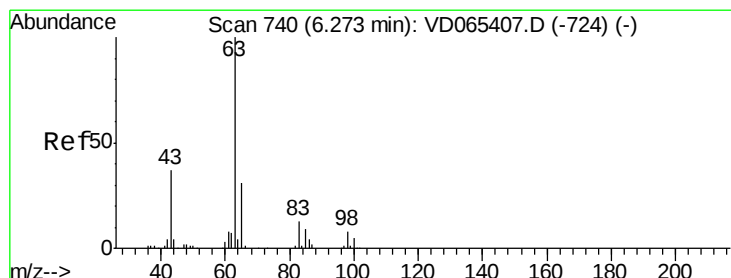
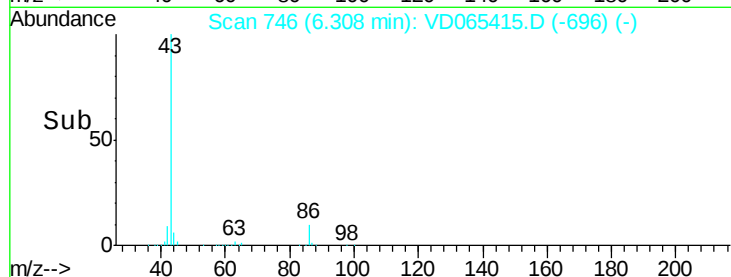
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.318 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

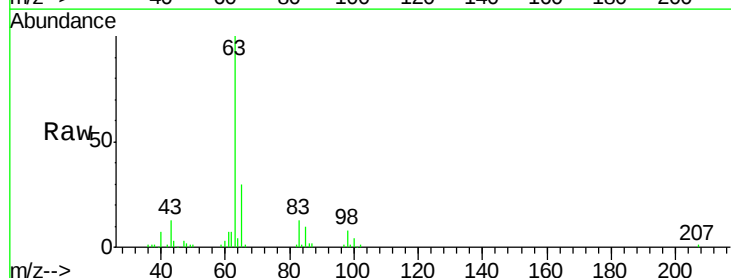
Tgt Ion: 63 Resp: 172786

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 4.4 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

6.26

80000

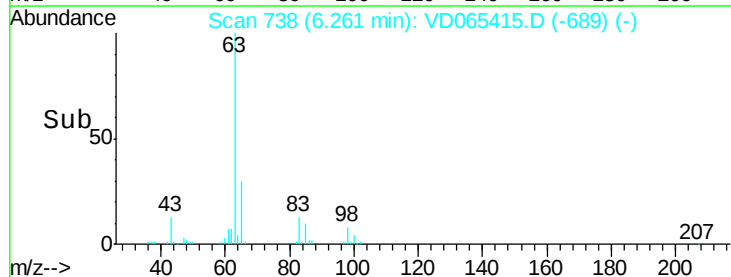
60000

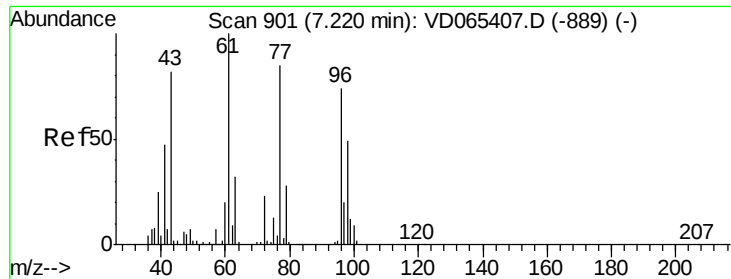
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.315 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 116194

Ion Ratio Lower Upper

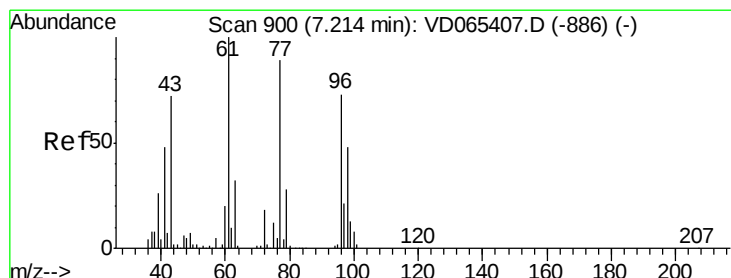
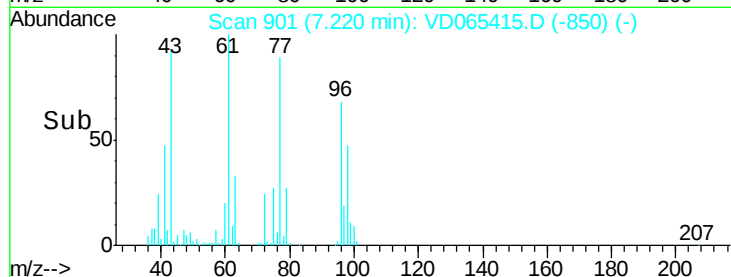
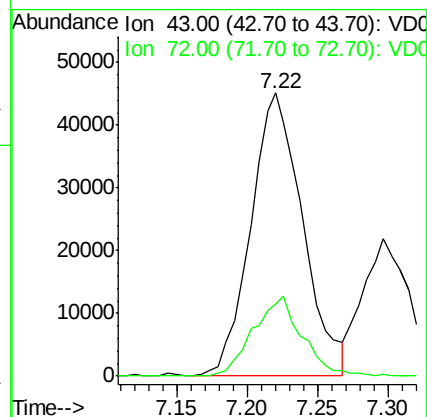
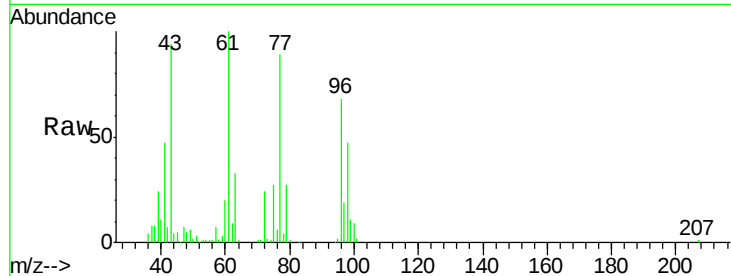
43 100

72 25.3 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 20.411 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065415.D

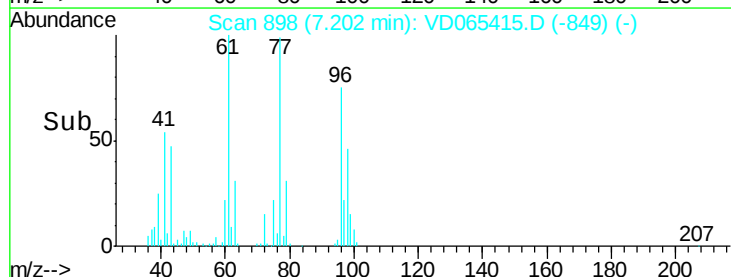
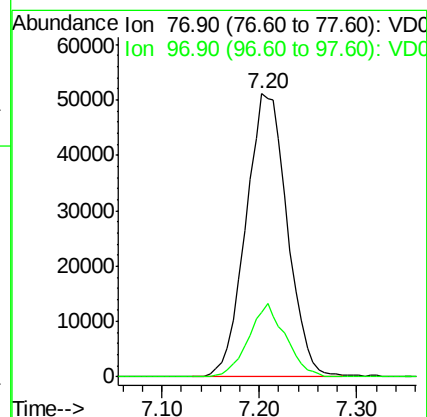
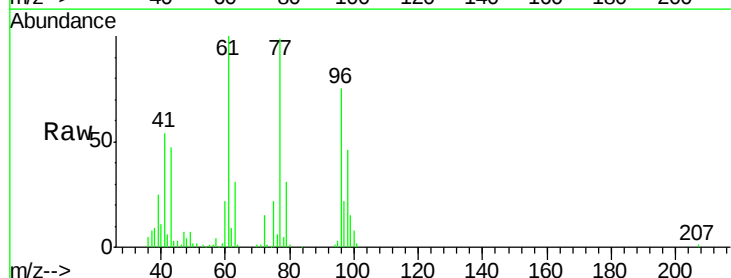
Acq: 04 Mar 2020 17:18

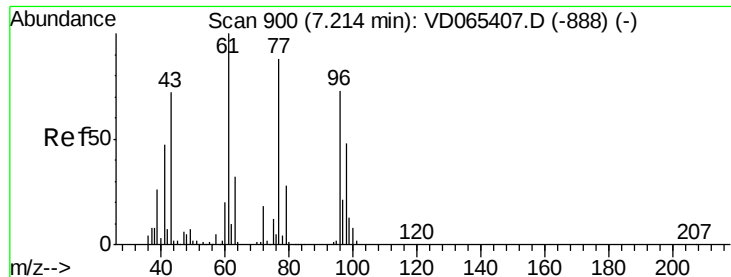
Tgt Ion: 77 Resp: 151687

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.037 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

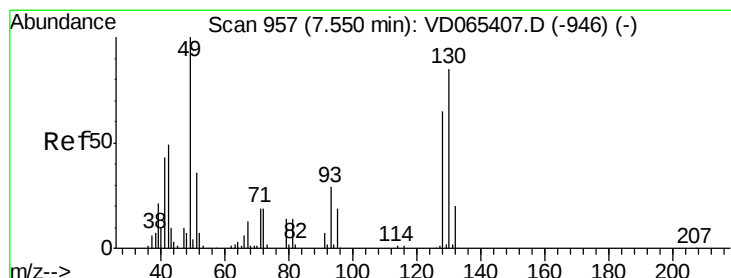
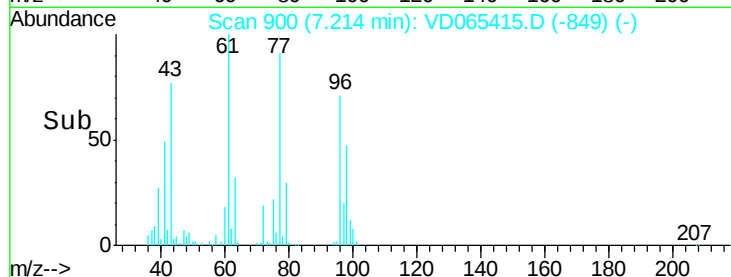
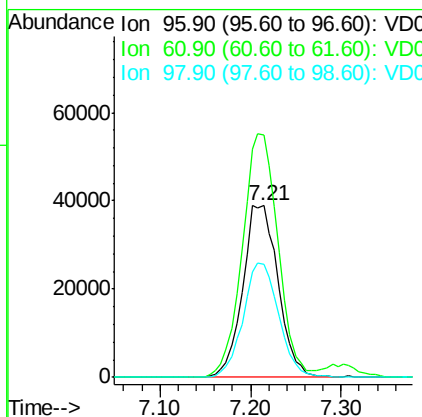
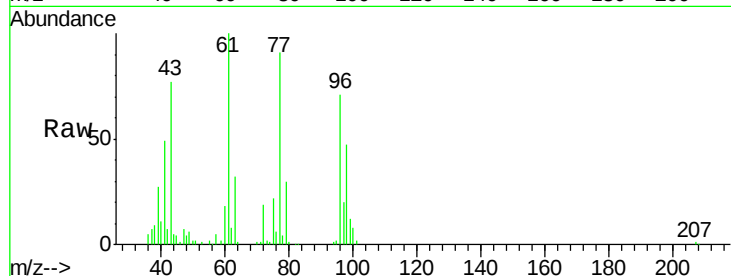
ClientSampleId :

VD0304SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 105776 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 142.5 | 0.0   | 280.4  |
| 98       | 66.7  | 0.0   | 132.6  |

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3/5/2020 1:39:07 PM



#28

Bromochloromethane

Concen: 20.031 ug/l

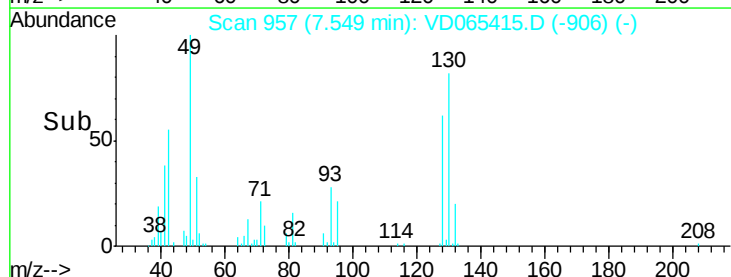
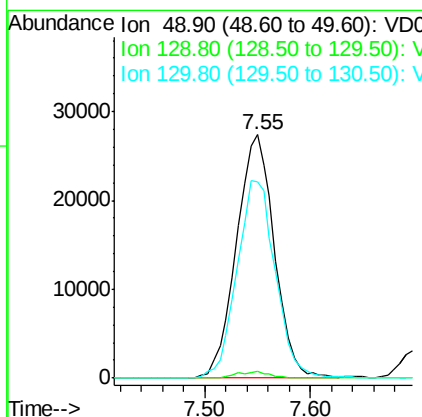
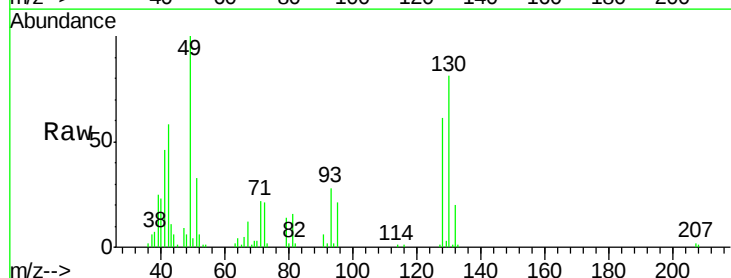
RT: 7.55 min Scan# 957

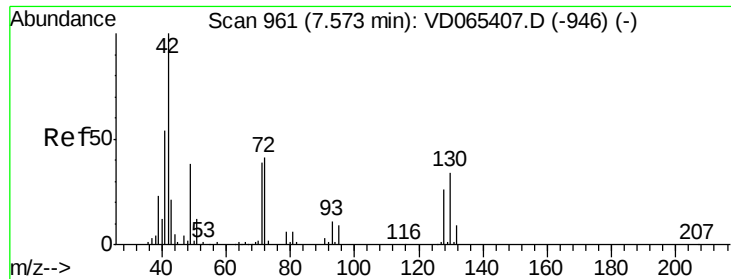
Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 68154 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.3   | 0.0   | 4.6   |
| 130      | 82.4  | 66.6  | 100.0 |





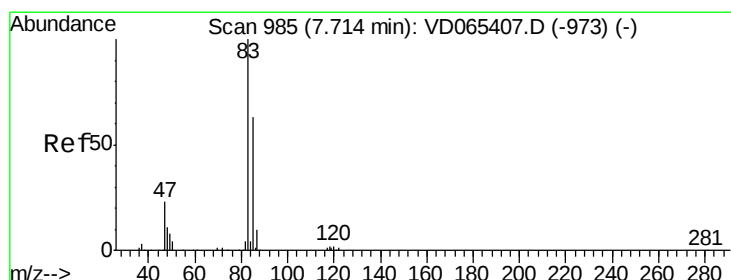
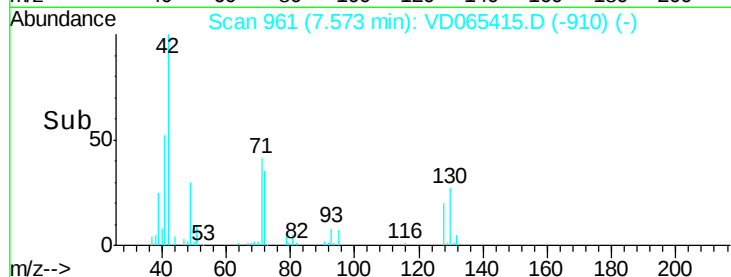
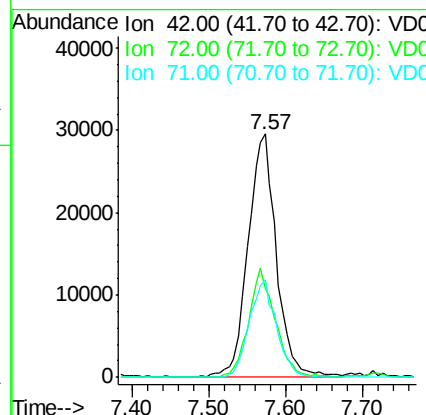
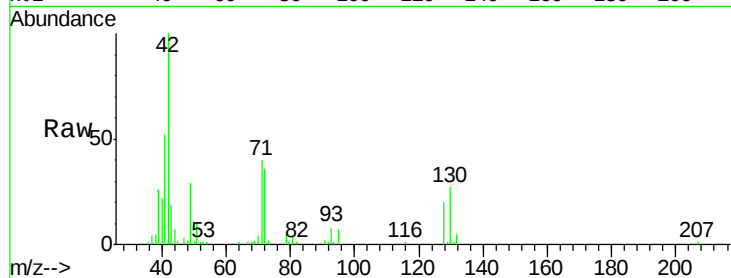
#29  
Tetrahydrofuran  
Concen: 101.316 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.8  | 33.0  | 49.6  |
| 71      | 38.3  | 32.0  | 48.0  |

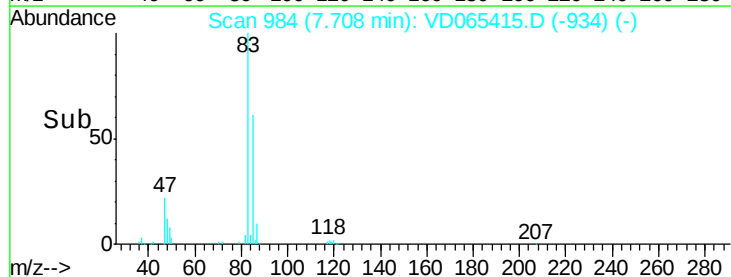
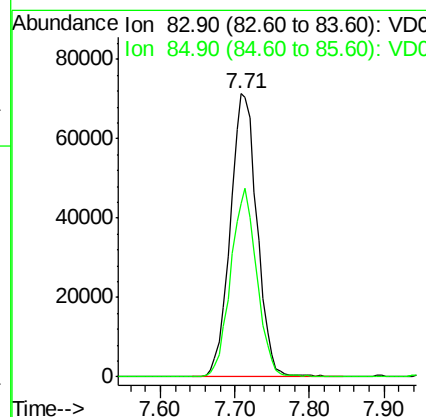
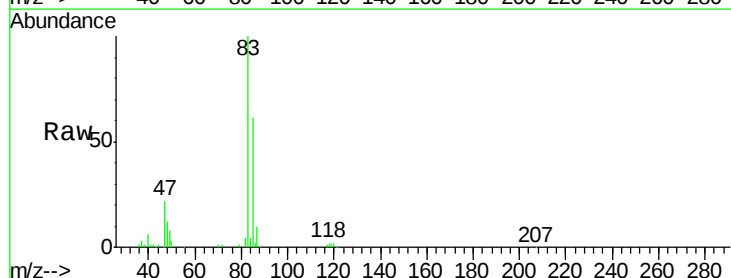
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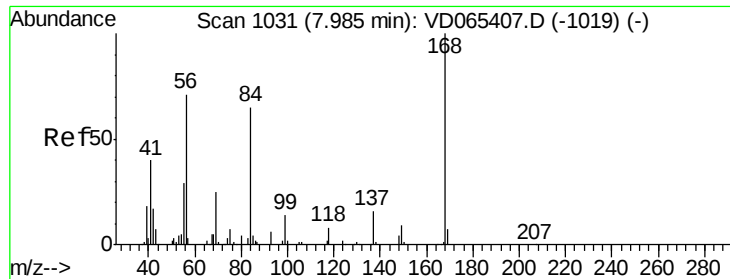
MMDadoda  
3/5/2020 1:39:07 PM



#30  
Chloroform  
Concen: 20.965 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.2  | 50.3  | 75.5  |





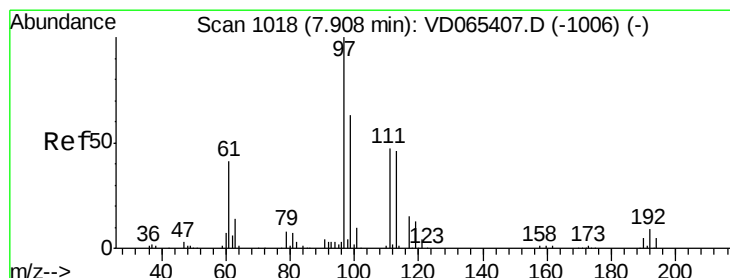
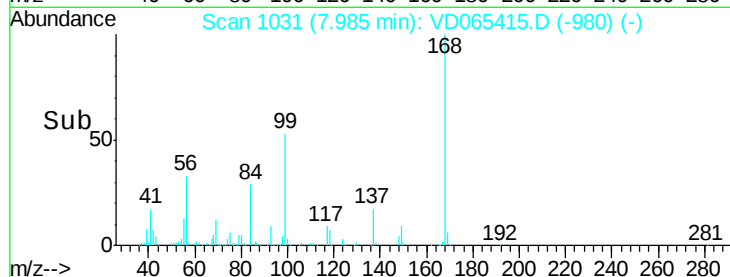
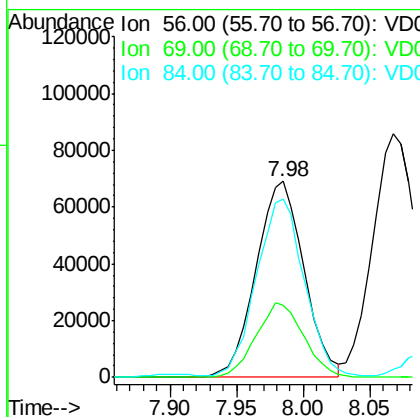
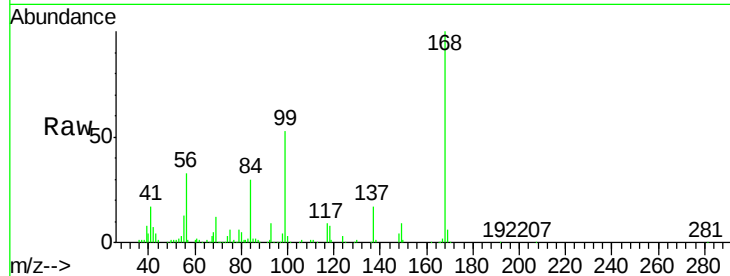
#31  
Cyclohexane  
Concen: 20.251 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | 56   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 172201  | 100  |       |       |       |
| 69      | 37.1 | 28.3  | 42.5  |       |
| 84      | 89.4 | 73.1  | 109.7 |       |

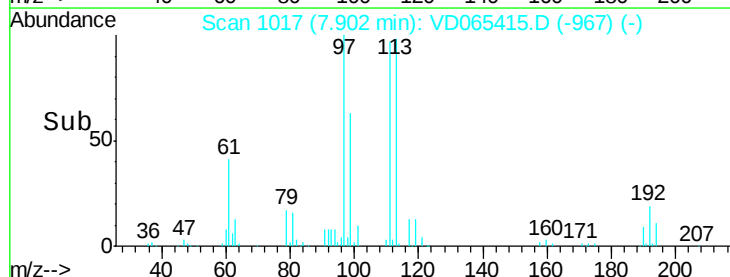
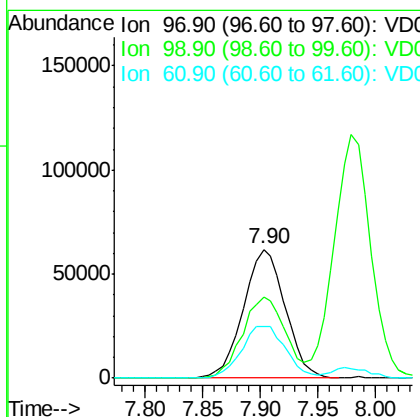
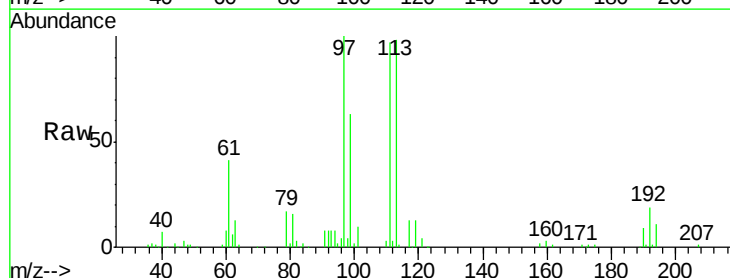
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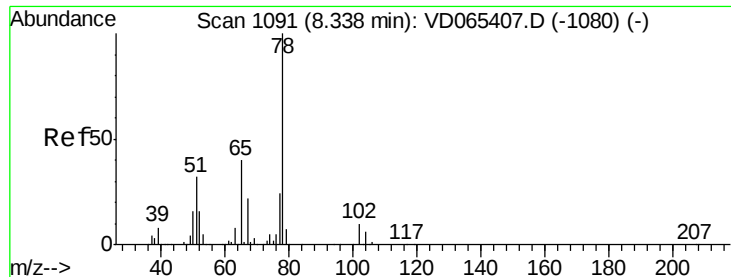
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3/5/2020 1:39:07 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.871 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | 97   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 156083  | 100  |       |       |       |
| 99      | 64.5 | 50.9  | 76.3  |       |
| 61      | 42.6 | 33.2  | 49.8  |       |





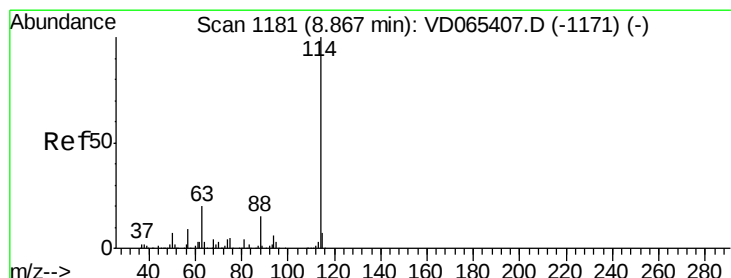
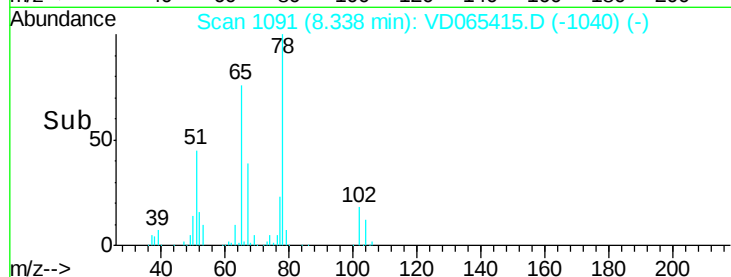
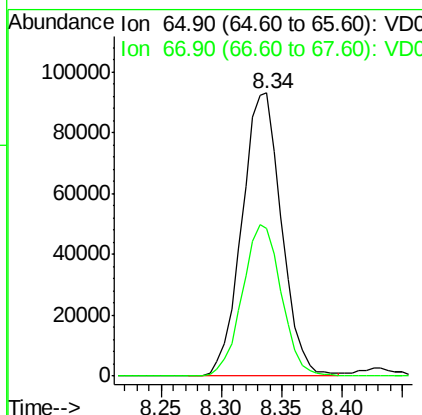
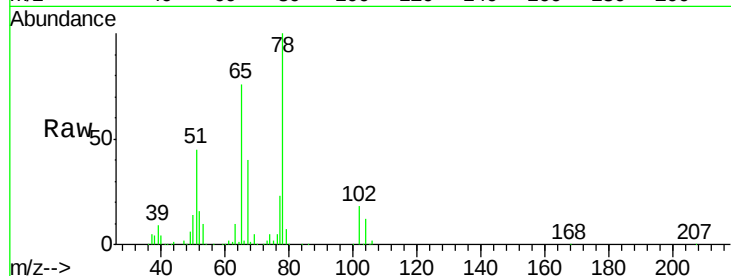
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.781 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 213178 |       |       |
| 67      | 52.8  | 0.0    | 108.0 |       |

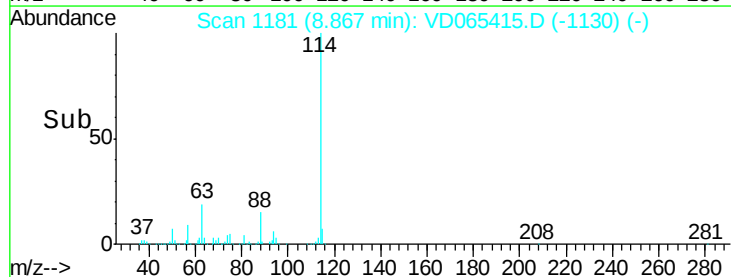
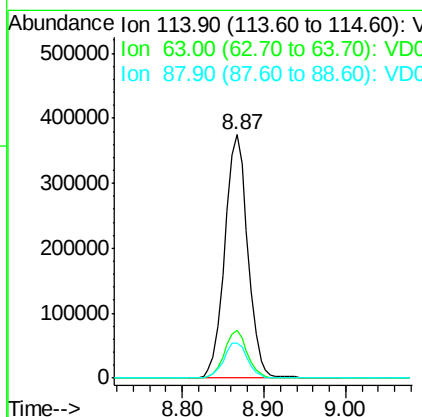
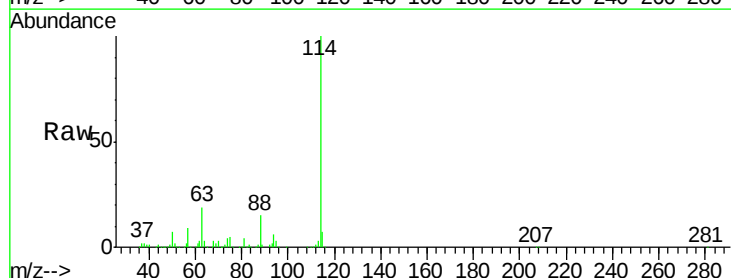
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 735445 |       |       |
| 63      | 19.5  | 0.0    | 39.6  |       |
| 88      | 14.6  | 0.0    | 30.4  |       |





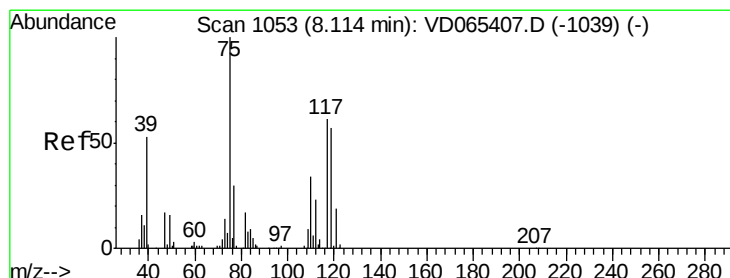
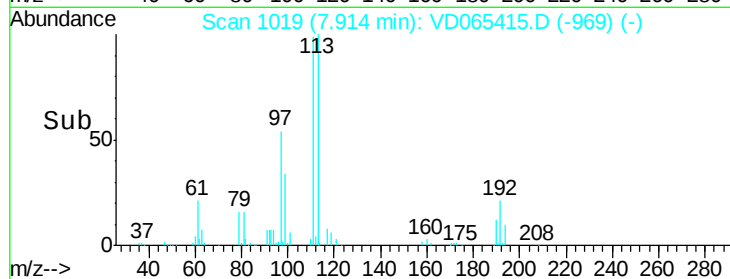
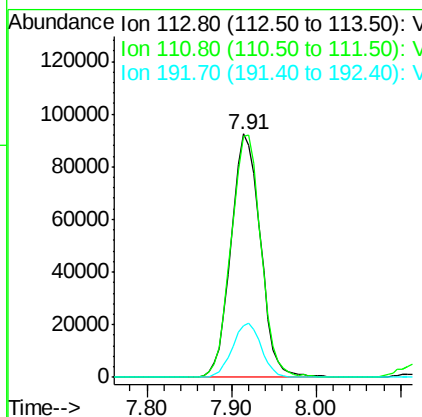
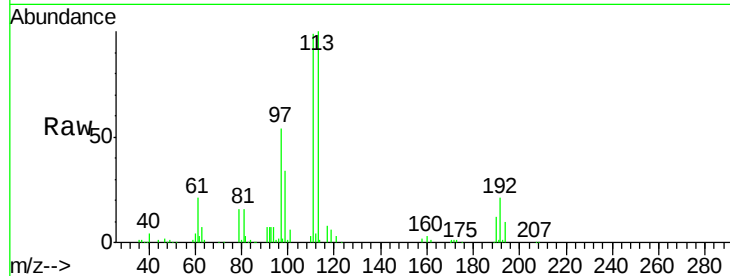
#35  
 Dibromofluoromethane  
 Concen: 48.756 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 82.1  | 123.1 |
| 192     | 21.7  | 17.2  | 25.8  |

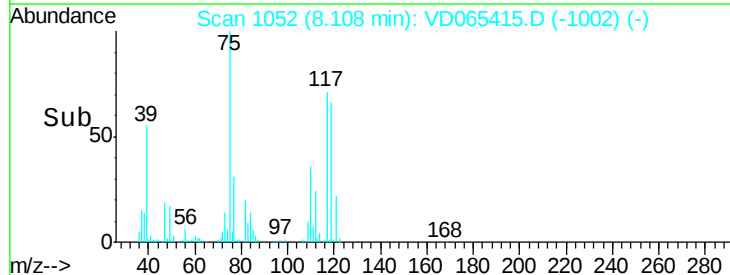
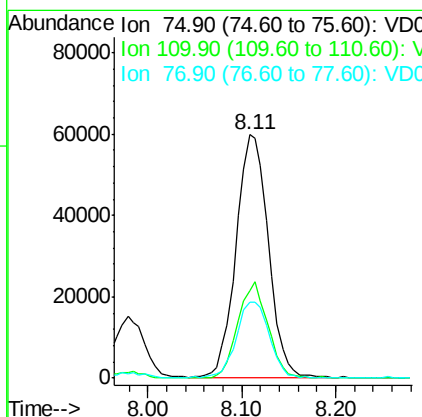
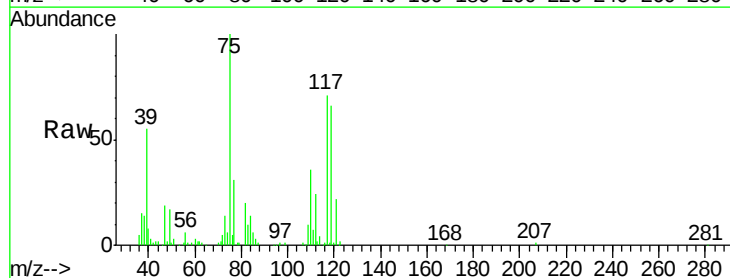
Manual Integrations  
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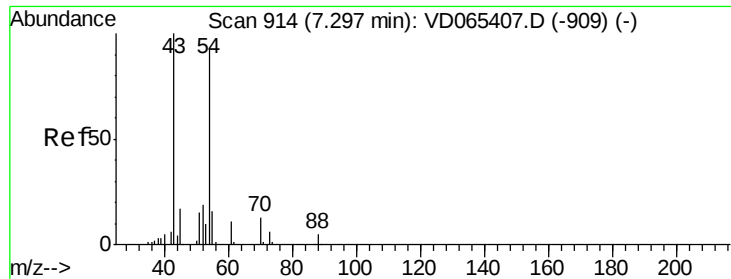
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#36  
 1,1-Dichloropropene  
 Concen: 20.163 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 18.1  | 54.1  |
| 77      | 32.3  | 25.2  | 37.8  |





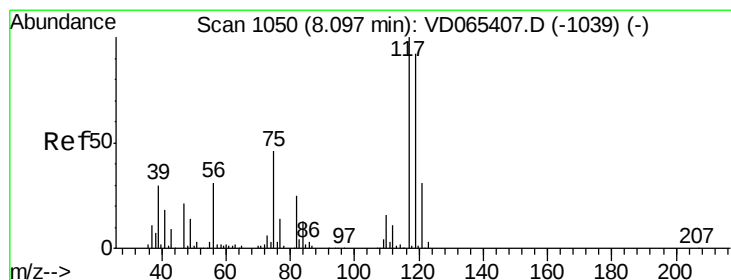
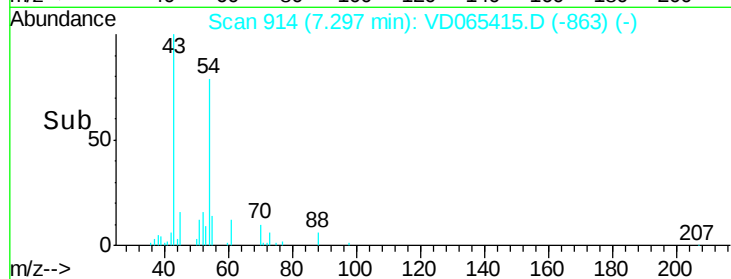
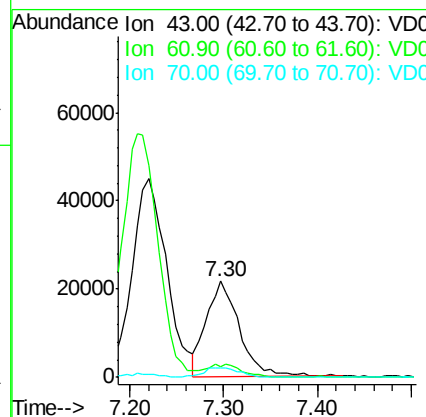
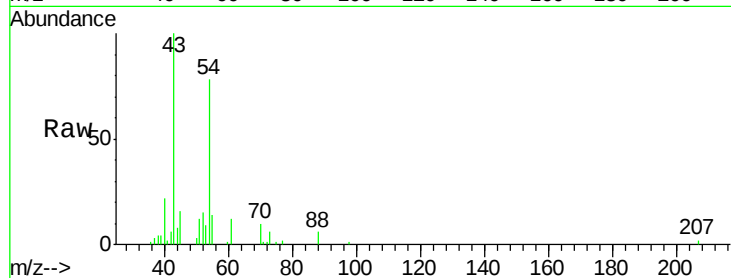
#37  
Ethyl Acetate  
Concen: 19.645 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.4  | 17.0  |
| 70      | 10.8  | 9.0   | 13.4  |

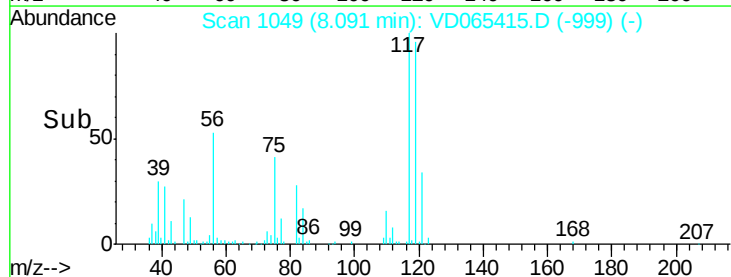
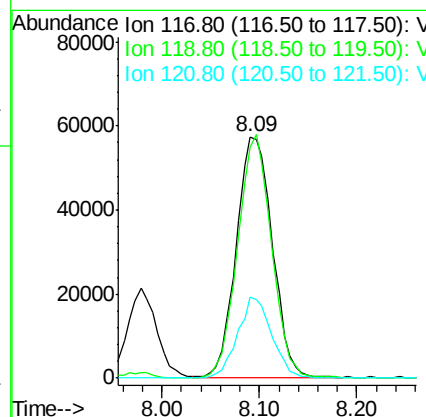
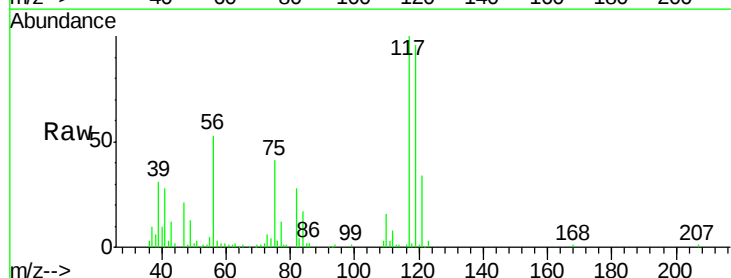
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 20.205 ug/l  
RT: 8.09 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.6  | 73.3  | 109.9 |
| 121     | 33.9  | 25.0  | 37.4  |





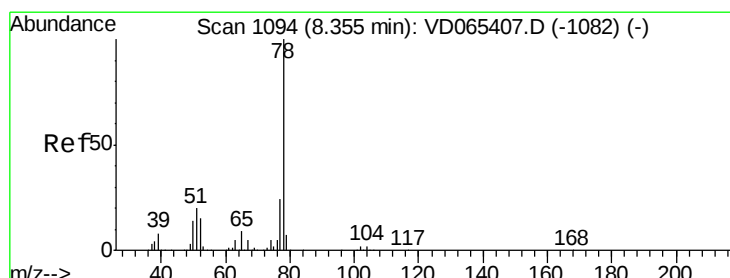
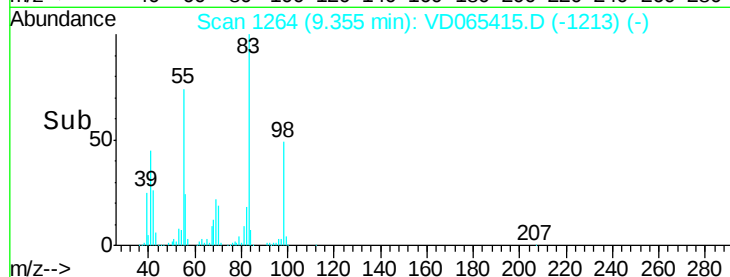
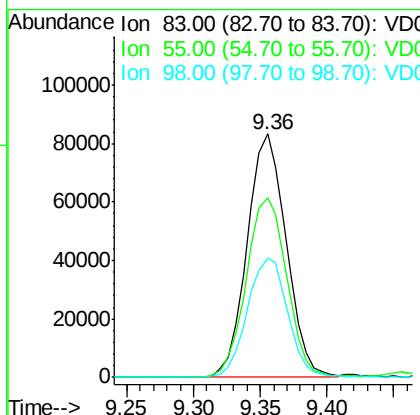
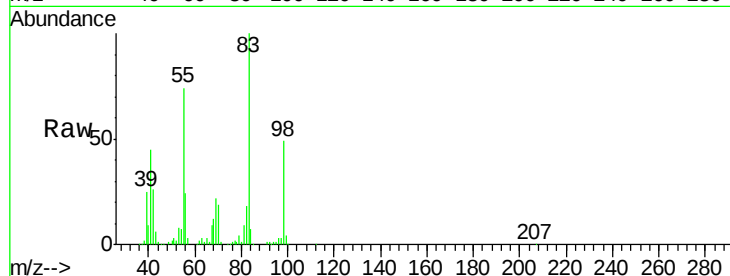
#39  
Methvlcvclohexane  
Concen: 19.789 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.7  | 57.1  | 85.7  |
| 98      | 49.0  | 37.8  | 56.8  |

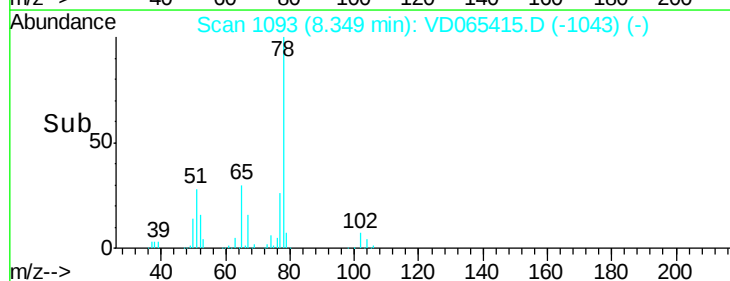
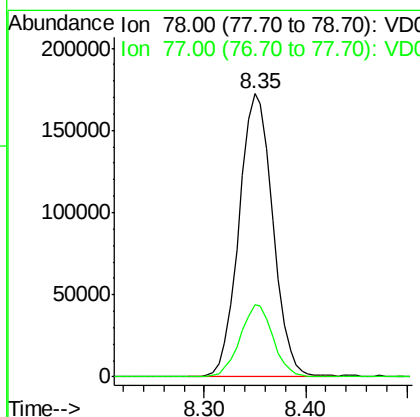
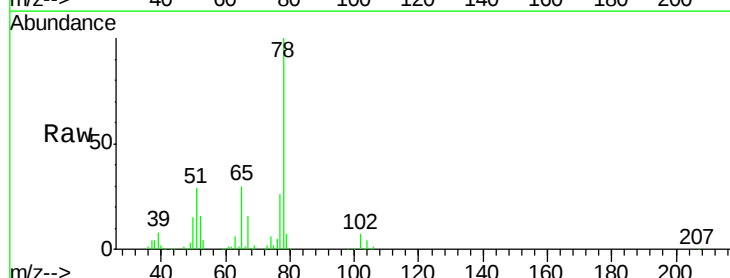
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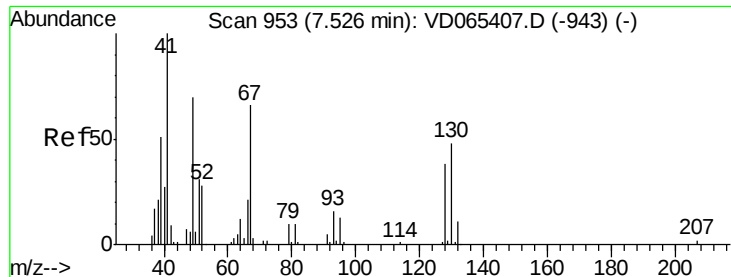
MMDadoda  
3/5/2020 1:39:07 PM



#40  
Benzene  
Concen: 20.247 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.7  | 19.4  | 29.0  |





#41

Methacrylonitrile

Concen: 21.307 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 41 Resp: 30704

Ion Ratio Lower Upper

41 100

39 54.1 55.0 82.6#

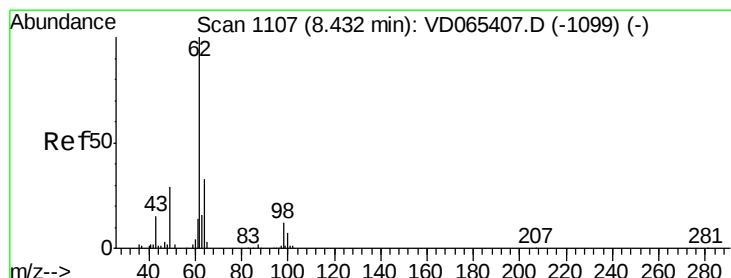
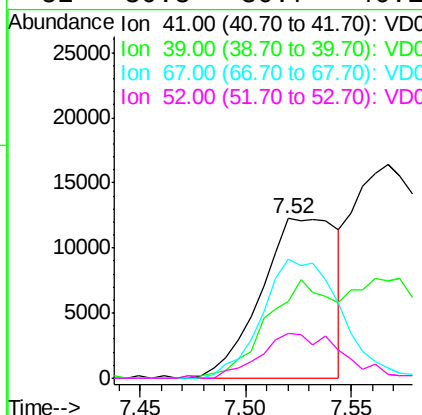
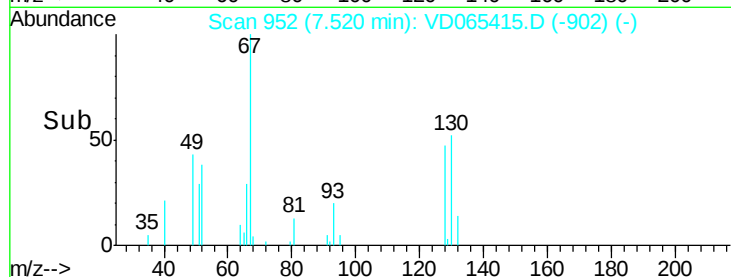
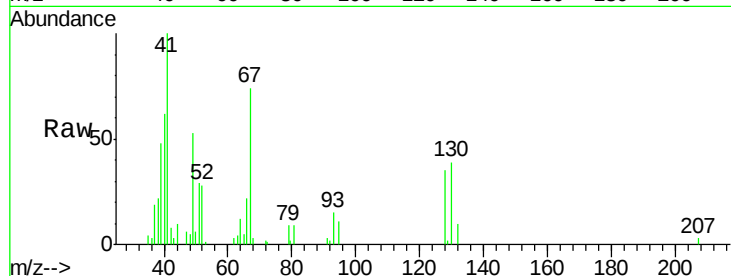
67 77.2 70.3 105.5

52 30.3 30.7 46.1#

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#42

1,2-Dichloroethane

Concen: 20.353 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065415.D

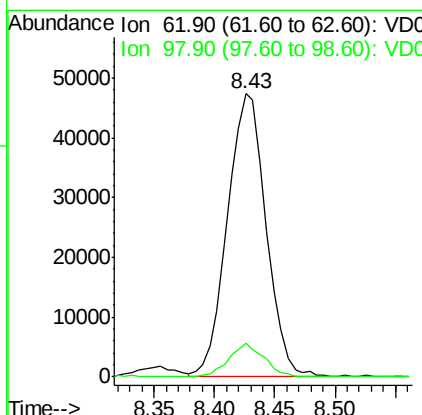
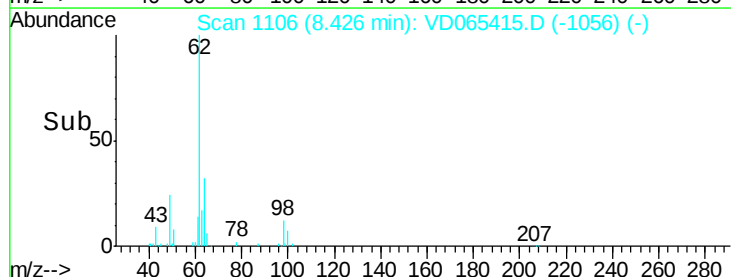
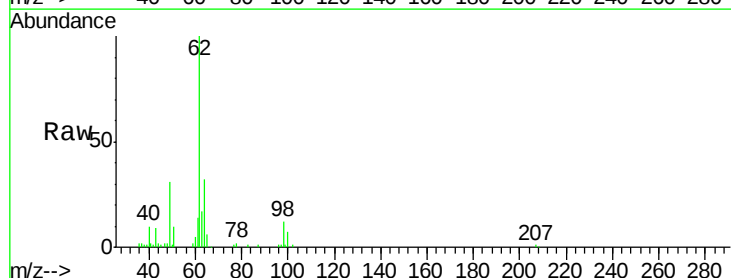
Acq: 04 Mar 2020 17:18

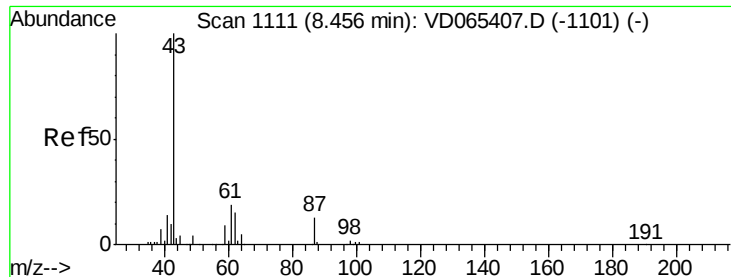
Tgt Ion: 62 Resp: 104757

Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.4





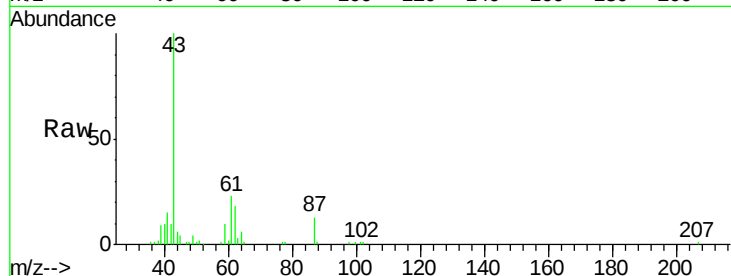
#43  
Isopropyl Acetate  
Concen: 19.848 ug/l  
RT: 8.46 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

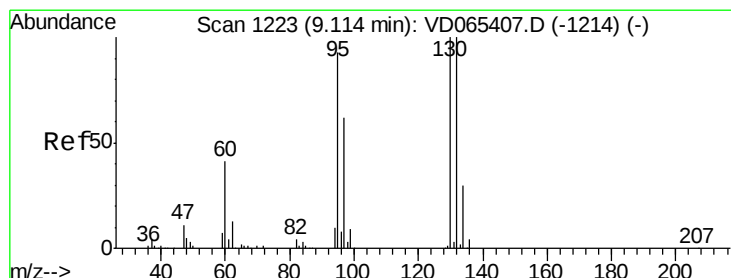
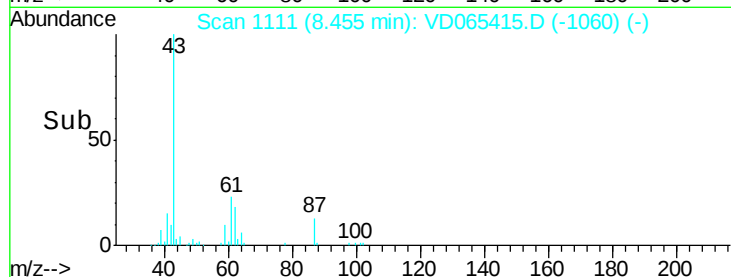
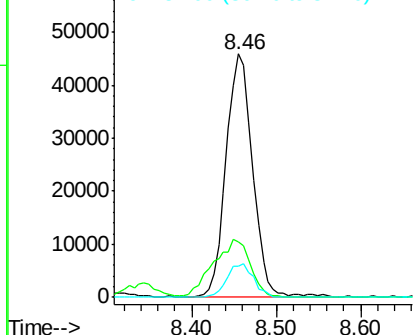
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 33.0  | 25.0  | 37.6  |
| 87      | 13.8  | 11.0  | 16.4  |

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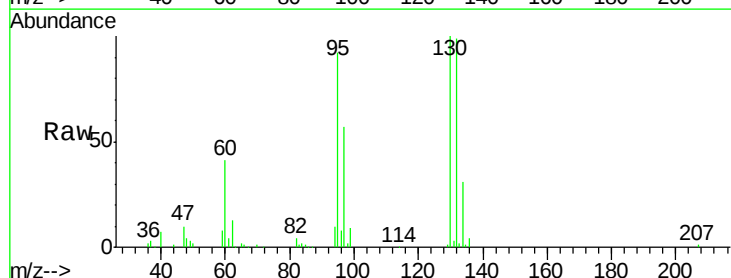


Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC

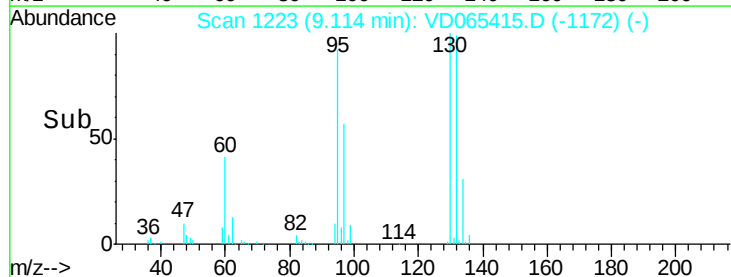
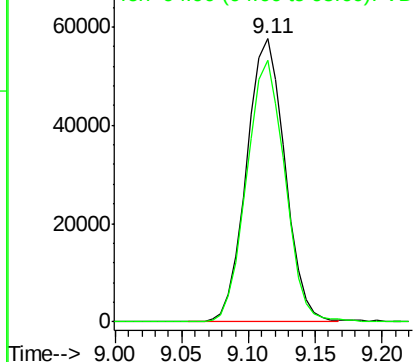


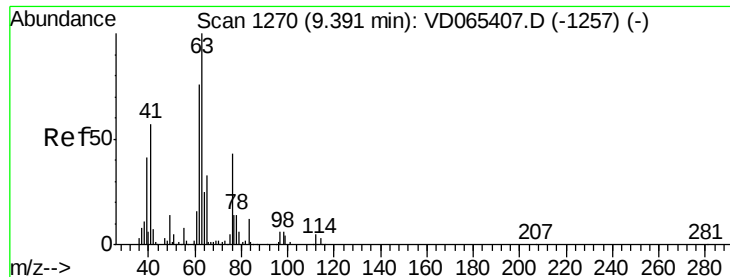
#44  
Trichloroethene  
Concen: 20.574 ug/l  
RT: 9.11 min Scan# 1223  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.2  | 0.0   | 186.0 |



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





#45

1,2-Dichloropropane

Concen: 20.076 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 63 Resp: 95852

Ion Ratio Lower Upper

63 100

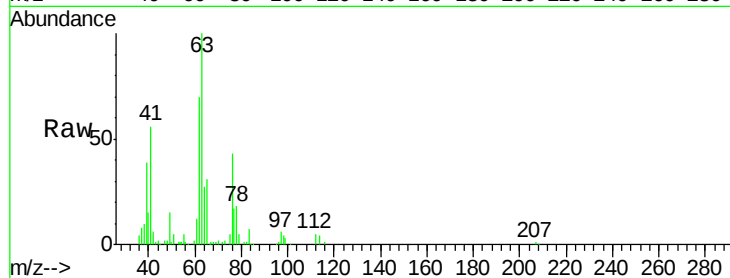
65 31.2 26.4 39.6

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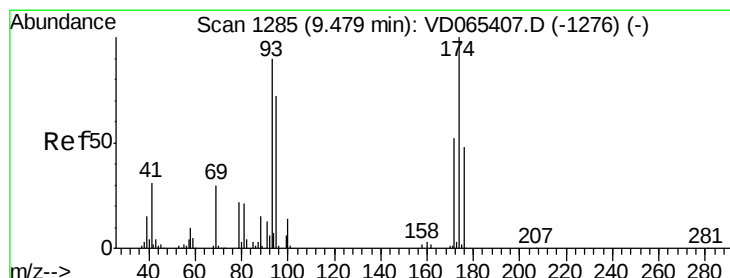
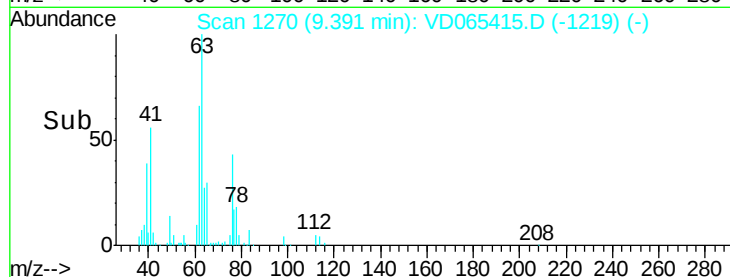
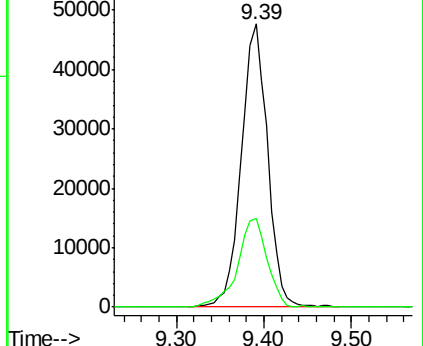
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.407 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

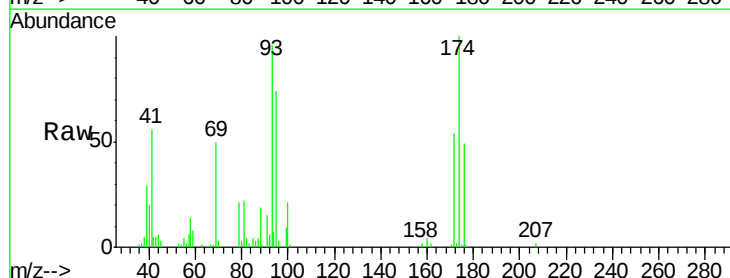
Tgt Ion: 93 Resp: 50539

Ion Ratio Lower Upper

93 100

95 83.4 65.0 97.6

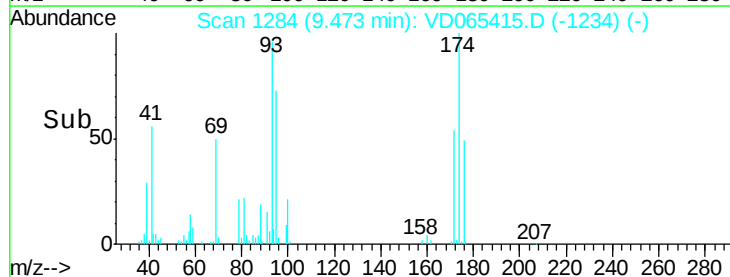
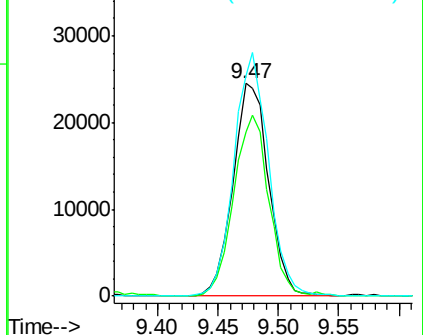
174 110.7 88.3 132.5

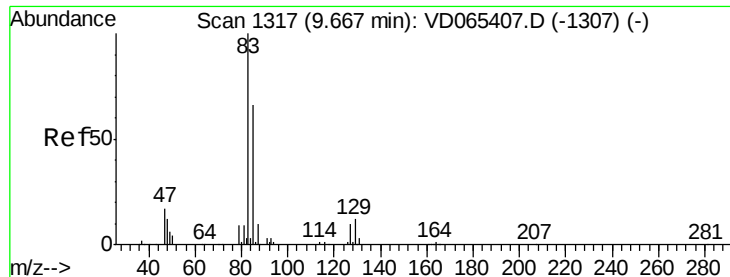


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.232 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

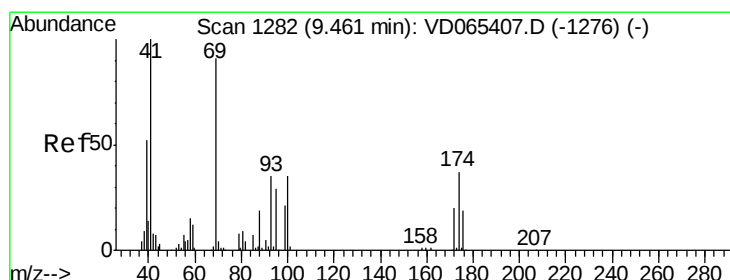
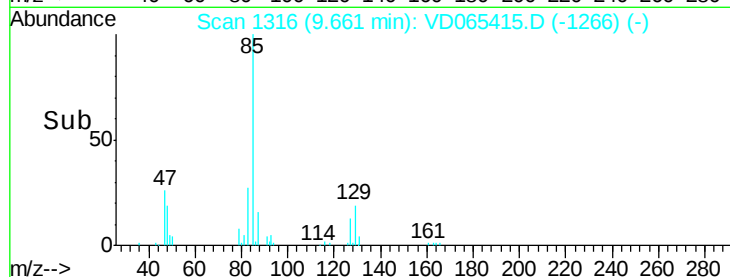
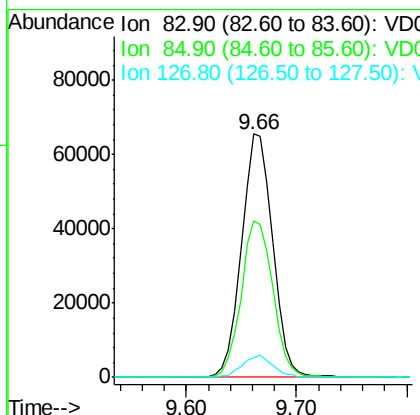
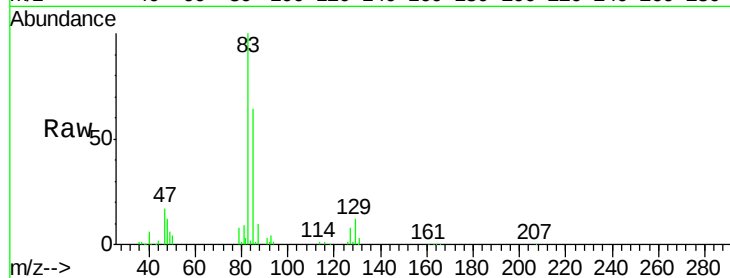
ClientSampleId :

VD0304SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 130356 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.1  | 52.8  | 79.2   |
| 127      | 8.2   | 8.0   | 12.0   |

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#48

Methyl methacrylate

Concen: 19.637 ug/l

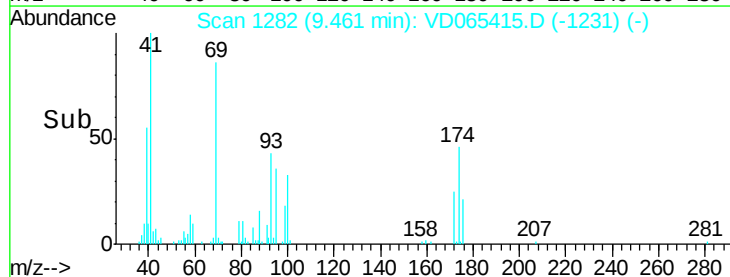
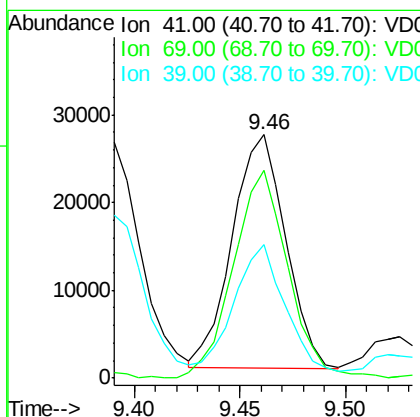
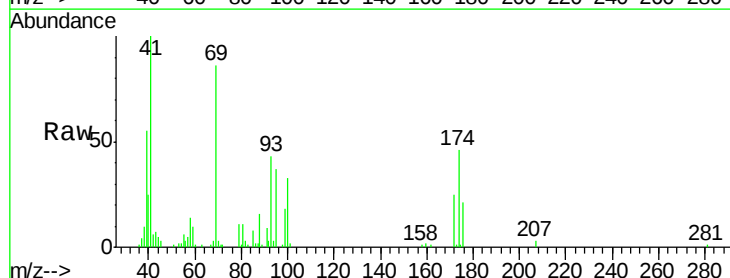
RT: 9.46 min Scan# 1282

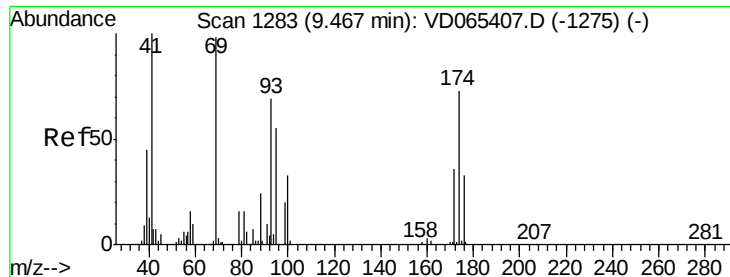
Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 46473 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 91.8  | 72.5  | 108.7 |
| 39       | 50.8  | 41.6  | 62.4  |





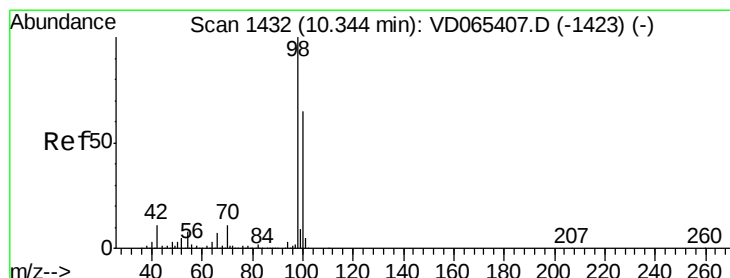
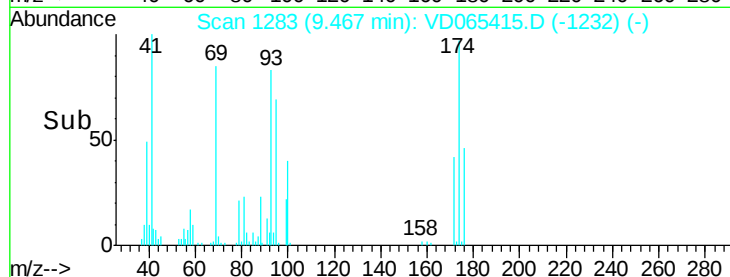
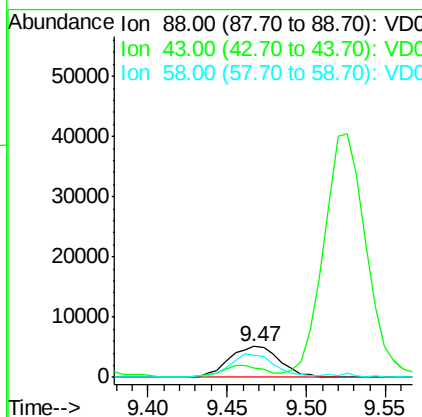
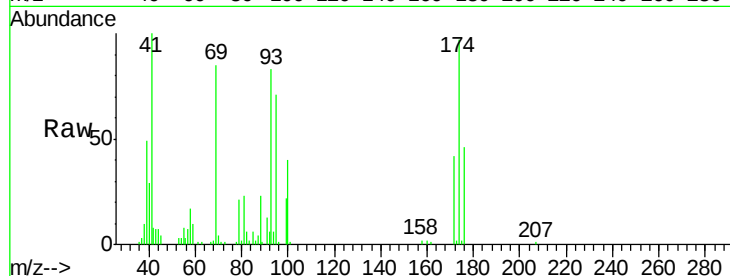
#49  
1,4-Dioxane  
Concen: 399.136 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | 88    | Resp  | 11307 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.6  | 24.5  | 36.7  |
| 58      | 67.9  | 54.5  | 81.7  |

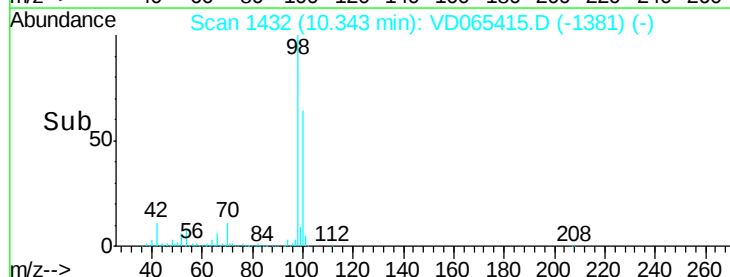
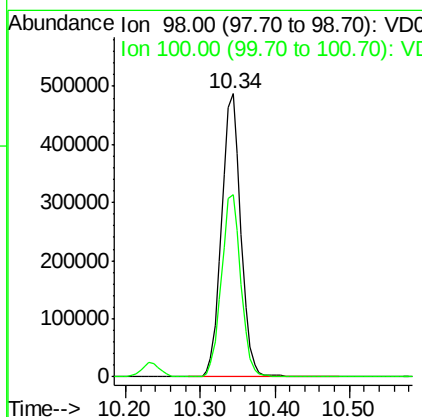
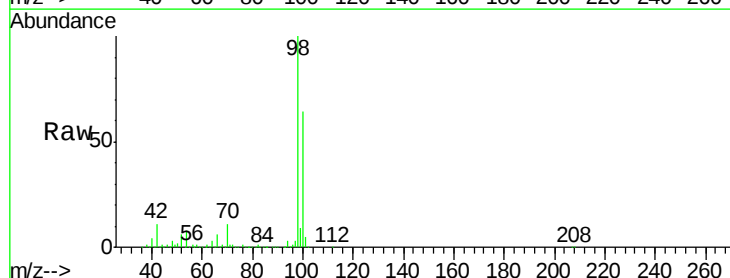
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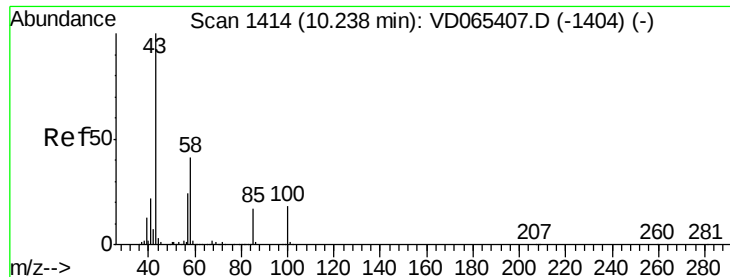
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#50  
Toluene-d8  
Concen: 50.284 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | 98    | Resp  | 877350 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.8  | 52.8  | 79.2   |





#51

4-Methyl-2-Pentanone

Concen: 102.051 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 258375

Ion Ratio Lower Upper

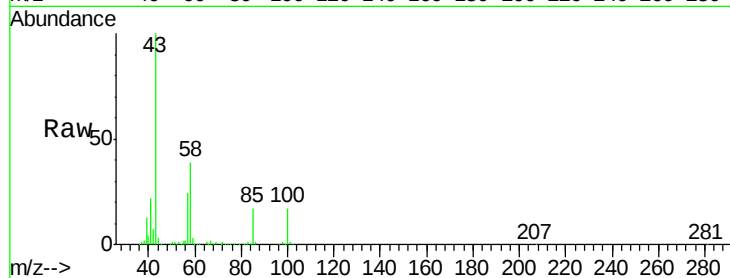
43 100

58 38.9 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

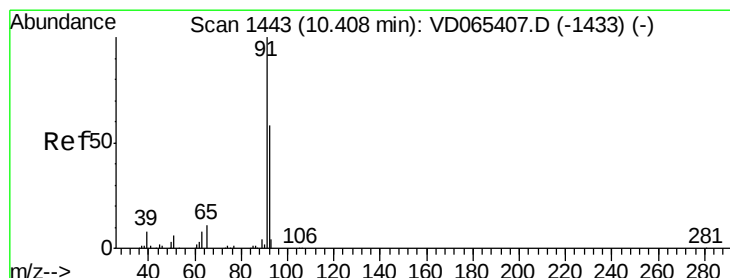
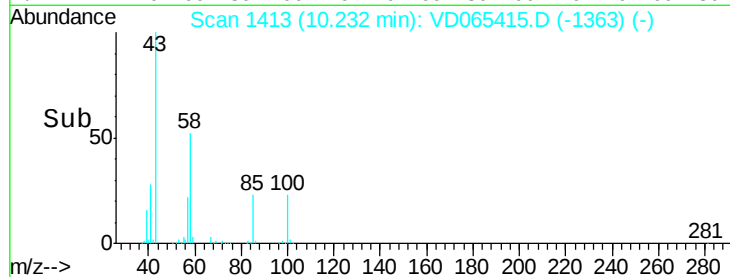
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.518 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065415.D

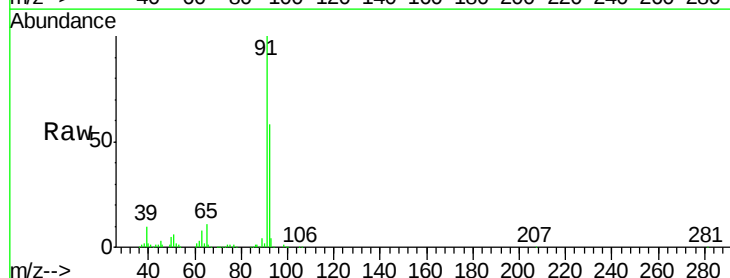
Acq: 04 Mar 2020 17:18

Tgt Ion: 92 Resp: 254774

Ion Ratio Lower Upper

92 100

91 172.6 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

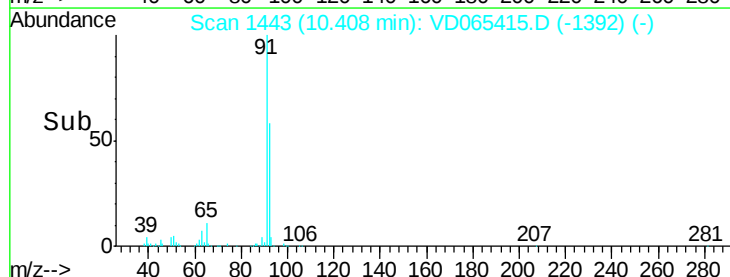
150000

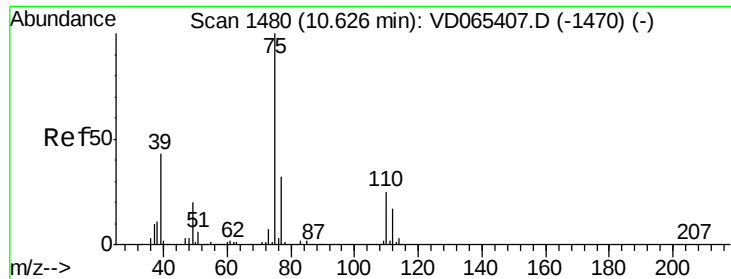
100000

50000

0

Time-->





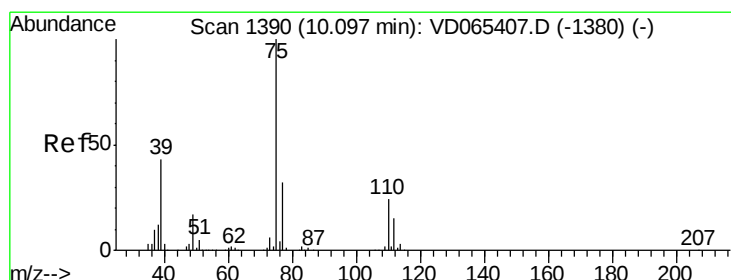
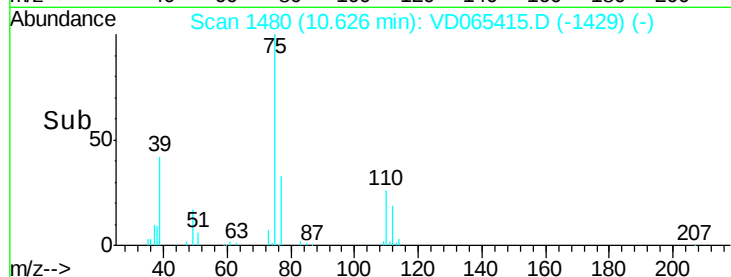
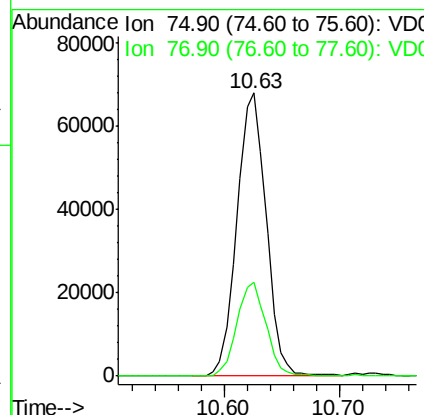
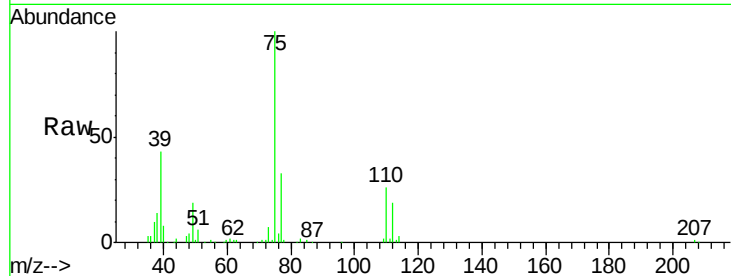
#53  
t-1,3-Dichloropropene  
Concen: 19.920 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Tot Ion: 75 Resp: 119942  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.4 38.2

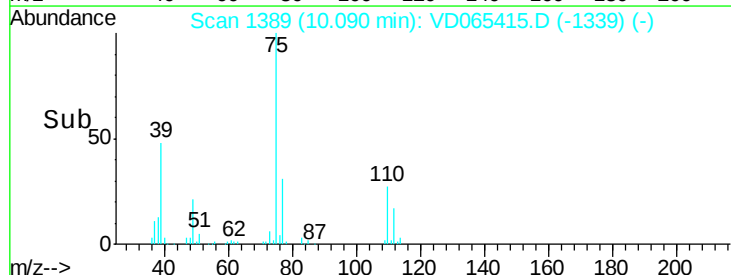
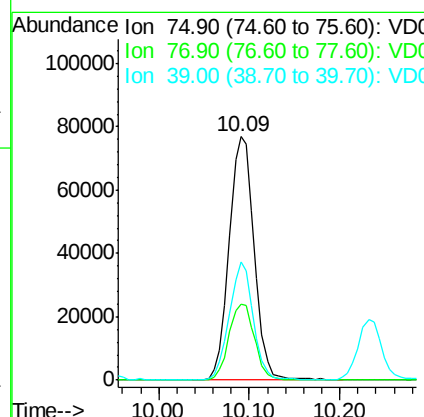
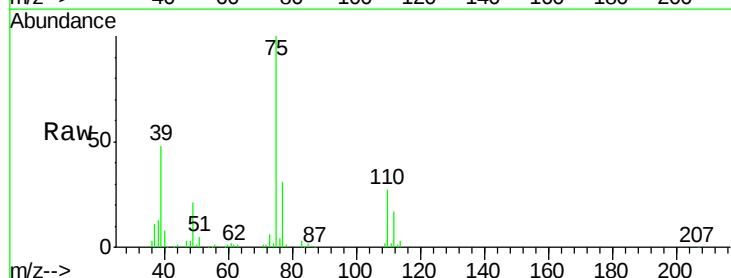
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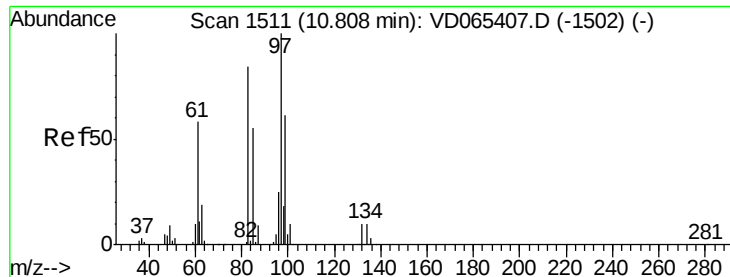
MMDadoda  
3/5/2020 1:39:07 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.215 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Tgt Ion: 75 Resp: 147327  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.3 37.9  
39 48.4 34.6 52.0





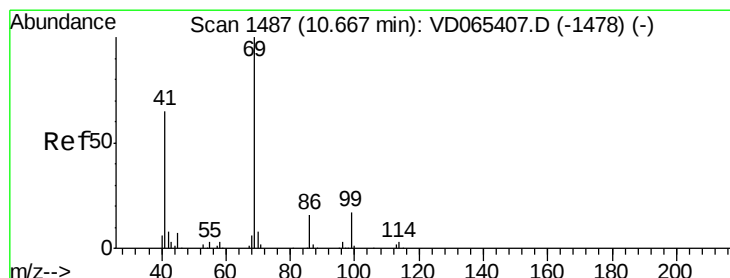
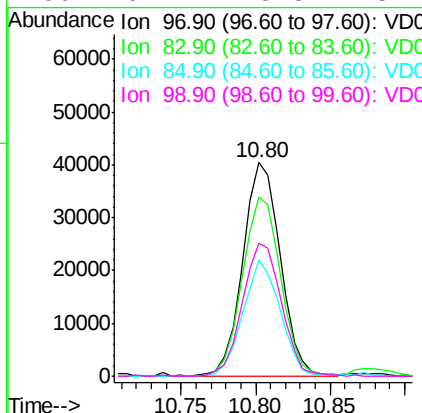
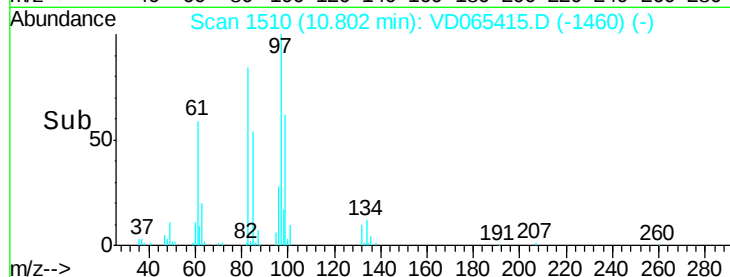
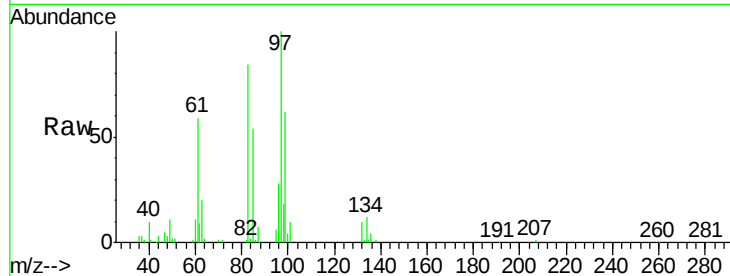
#55  
 1,1,2-Trichloroethane  
 Concen: 20.061 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 70367 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.0  | 67.4  | 101.0 |
| 85       | 54.3  | 43.8  | 65.8  |
| 99       | 62.1  | 48.8  | 73.2  |

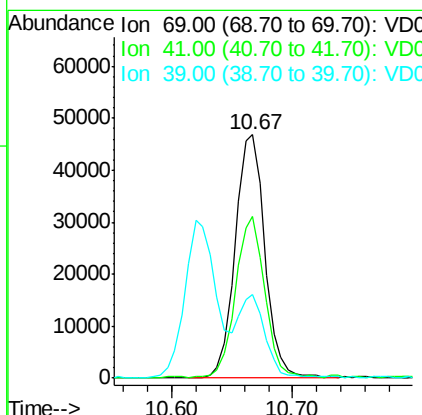
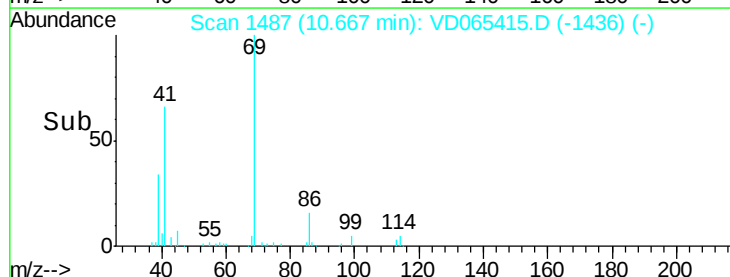
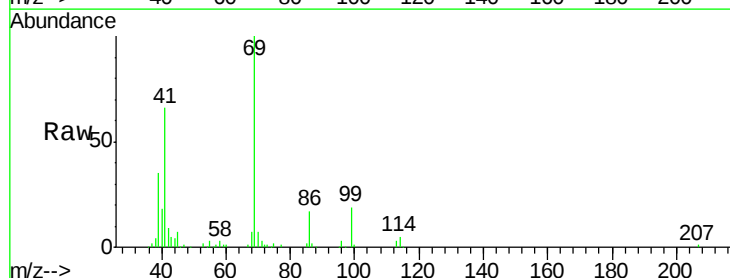
Manual Integrations  
 APPROVED

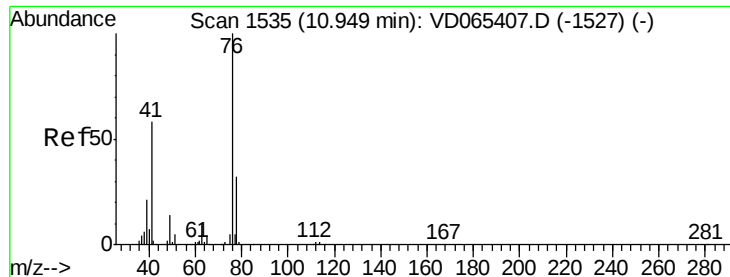
MMDadoda  
 3/5/2020 1:39:07 PM



#56  
 Ethyl methacrylate  
 Concen: 20.384 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 80605 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 65.5  | 53.0  | 79.6  |
| 39       | 30.9  | 26.0  | 39.0  |





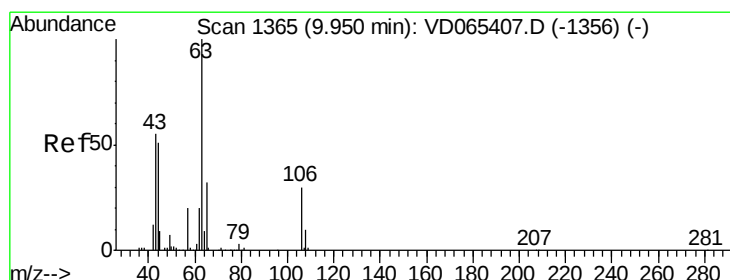
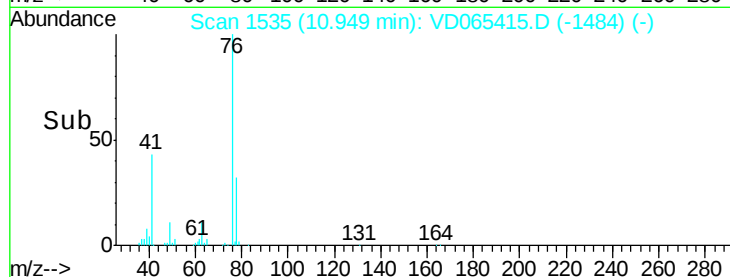
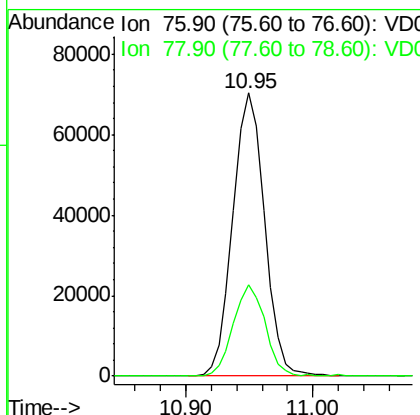
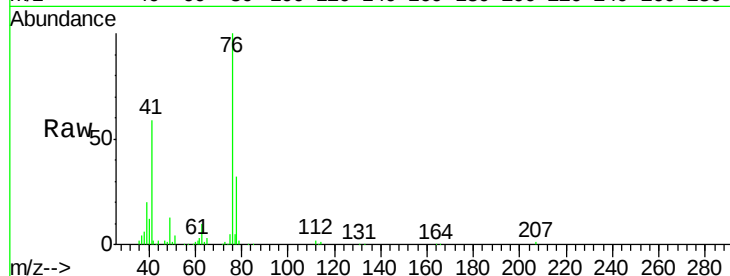
#57  
 1,3-Dichloropropane  
 Concen: 20.611 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 26.0  | 39.0  |

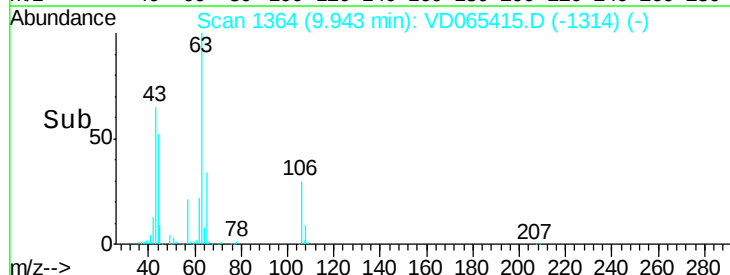
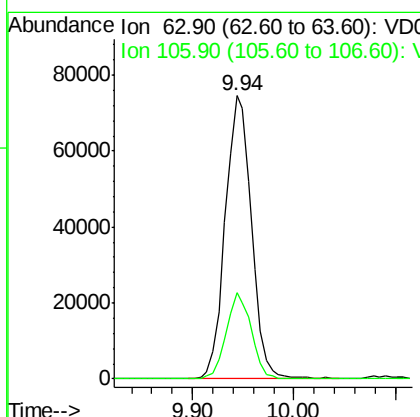
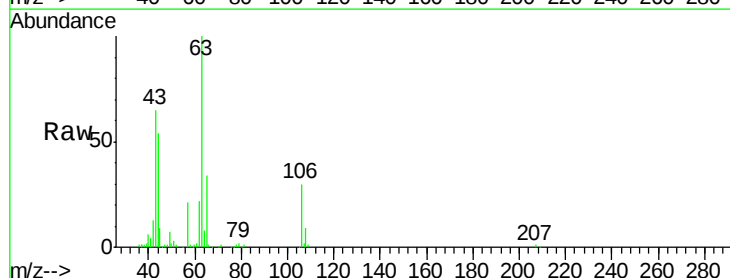
Manual Integrations  
 APPROVED

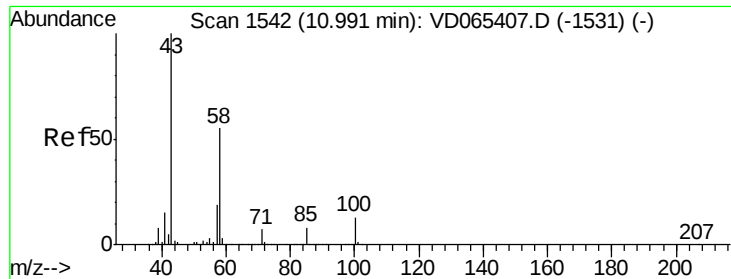
MMDadoda  
 3/5/2020 1:39:07 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 109.432 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.7  | 23.3  | 34.9  |





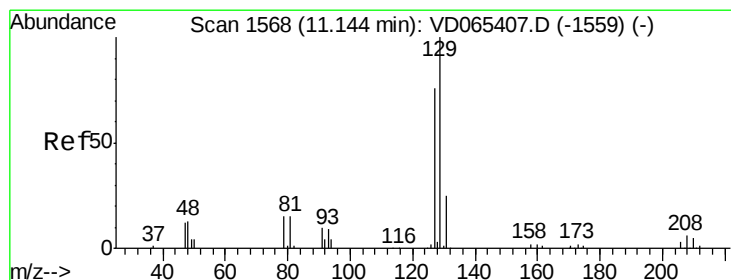
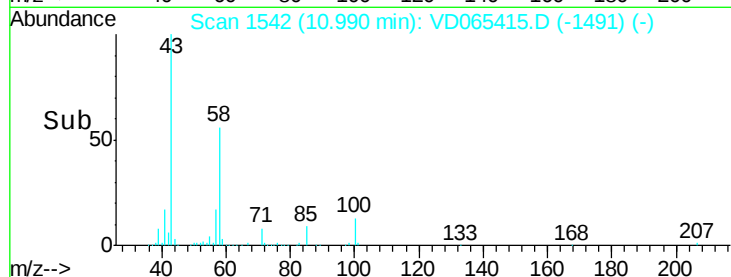
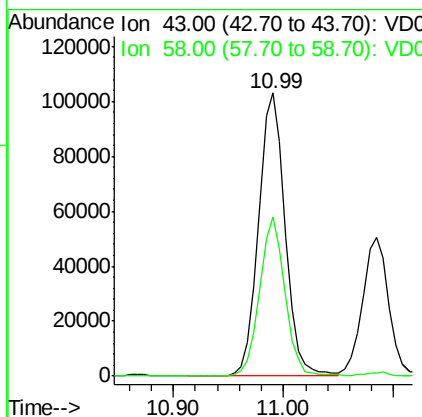
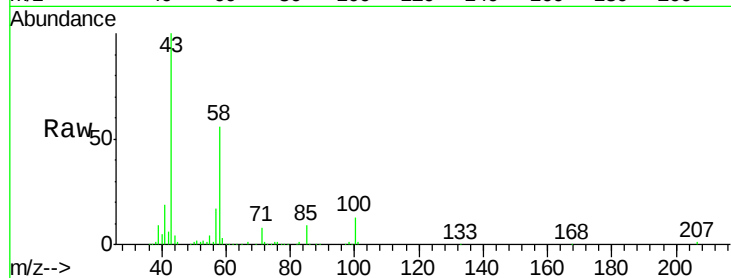
#59  
2-Hexanone  
Concen: 99.404 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Tot Ion: 43 Resp: 174218  
Ion Ratio Lower Upper  
43 100  
58 53.6 27.4 82.2

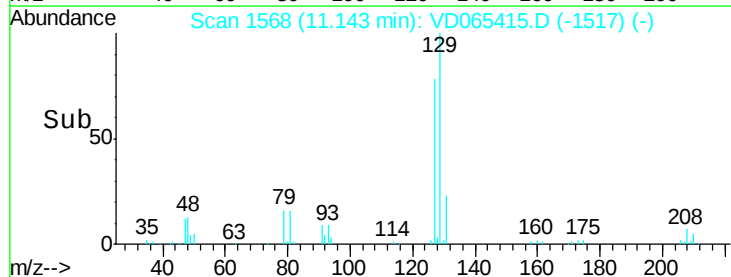
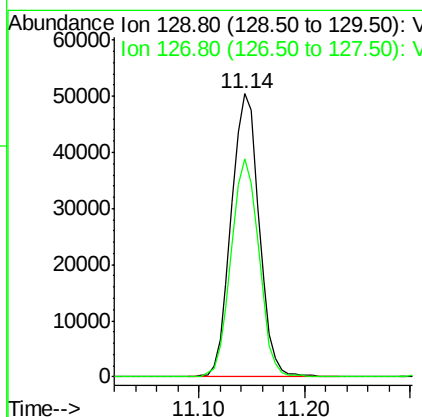
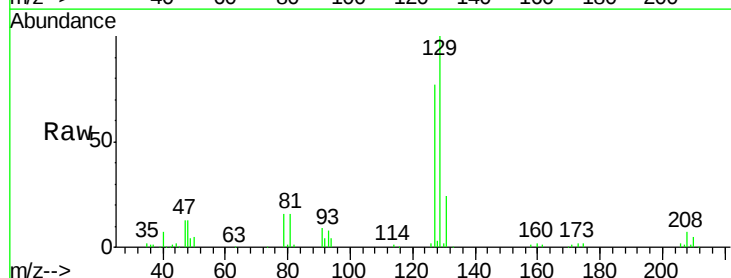
Manual Integrations  
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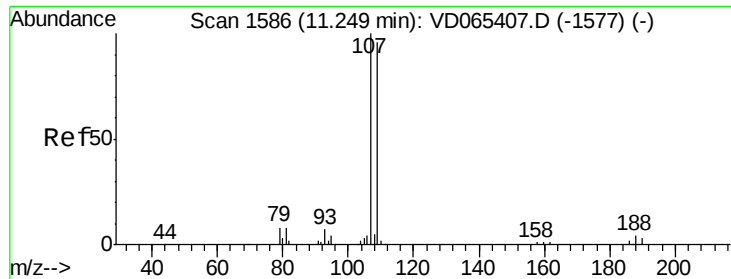
MMDadoda  
3/5/2020 1:39:07 PM



#60  
Dibromochloromethane  
Concen: 20.436 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Tgt Ion: 129 Resp: 91886  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.5 115.5





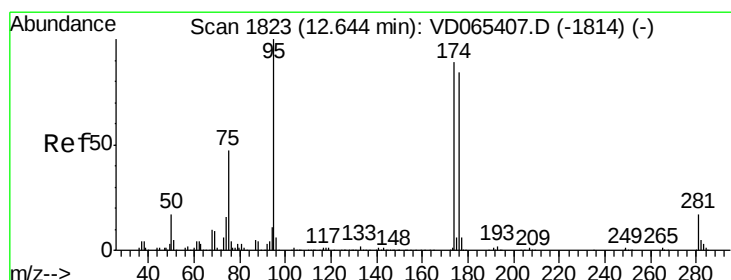
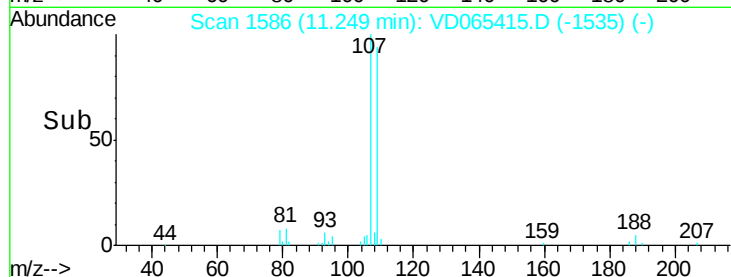
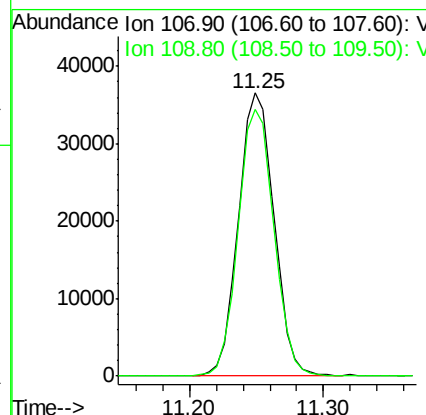
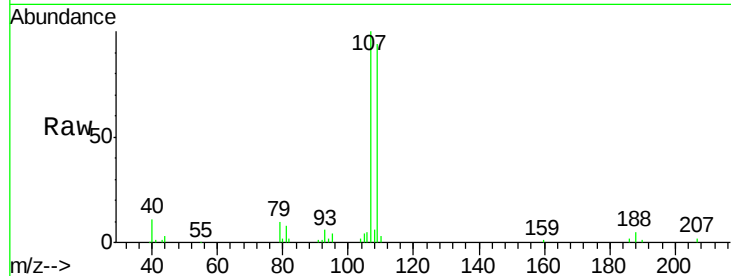
#61  
1,2-Dibromoethane  
Concen: 20.195 ug/l  
RT: 11.25 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 76.8  | 115.2 |

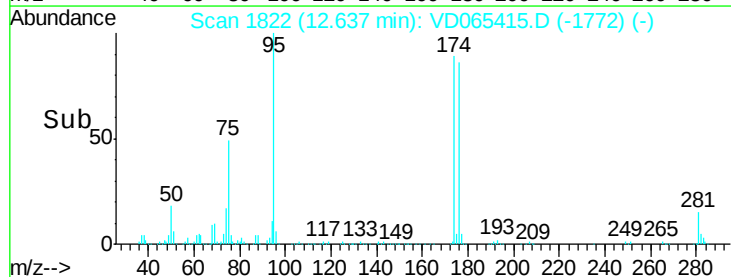
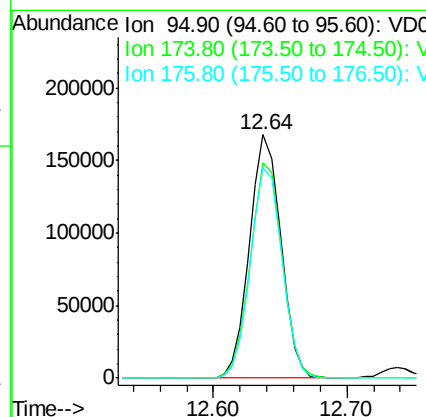
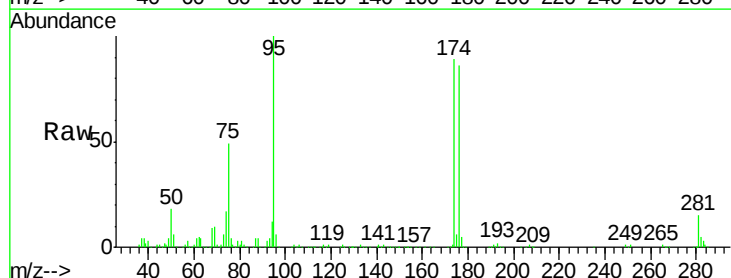
Manual Integrations  
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3/5/2020 1:39:07 PM



#62  
4-Bromofluorobenzene  
Concen: 50.588 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.7  | 0.0   | 176.8 |
| 176     | 87.5  | 0.0   | 171.4 |





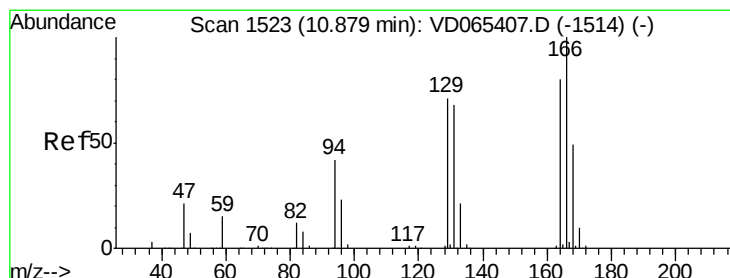
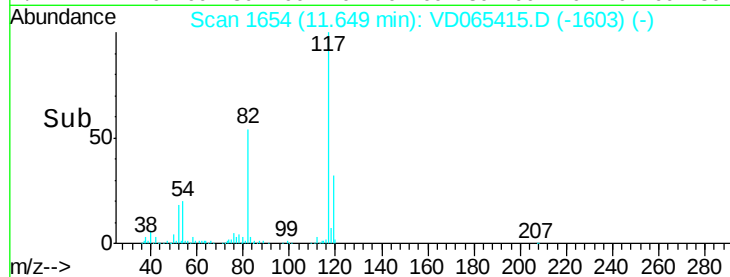
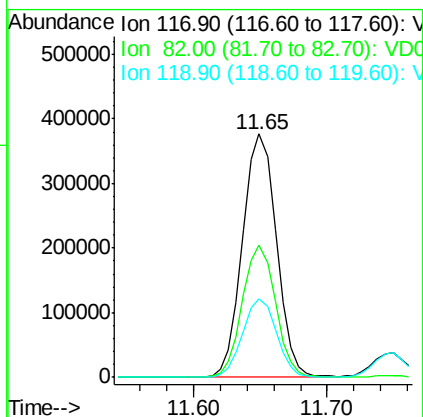
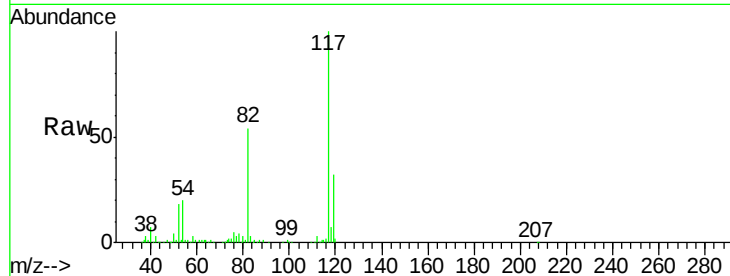
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.1  | 40.6  | 60.8  |
| 119     | 32.0  | 25.4  | 38.2  |

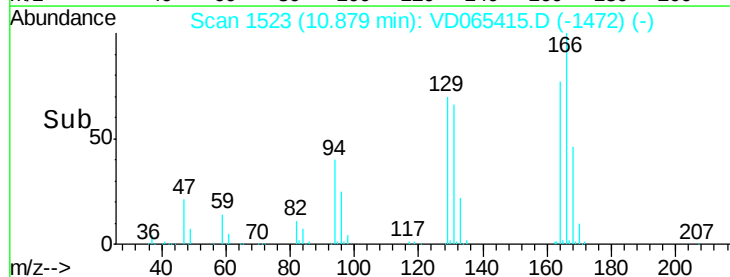
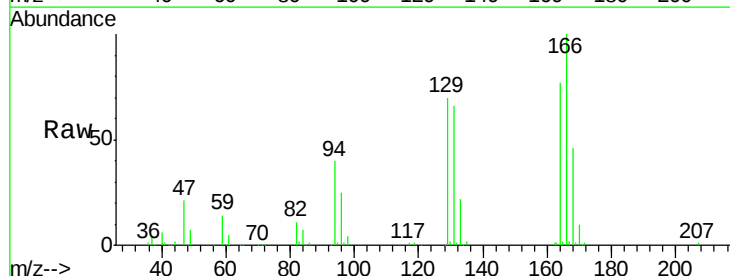
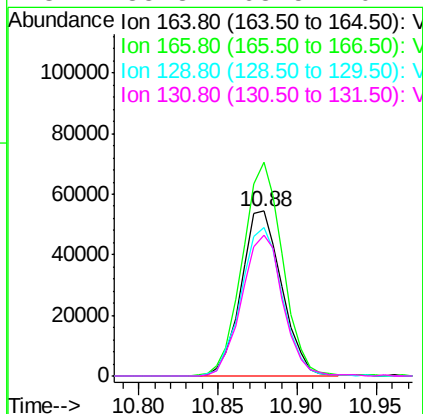
Manual Integrations  
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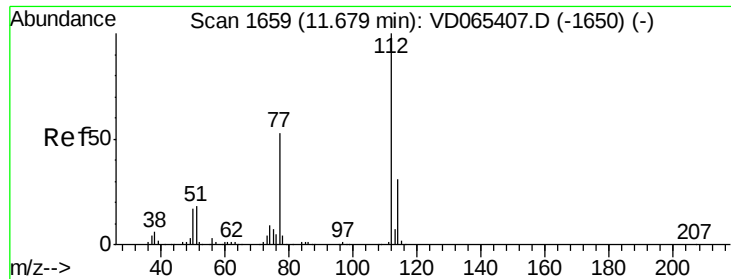
MMDadoda  
3/5/2020 1:39:07 PM



#64  
Tetrachloroethene  
Concen: 20.373 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.4 | 100.5 | 150.7 |
| 129     | 90.3  | 71.5  | 107.3 |
| 131     | 85.3  | 68.5  | 102.7 |





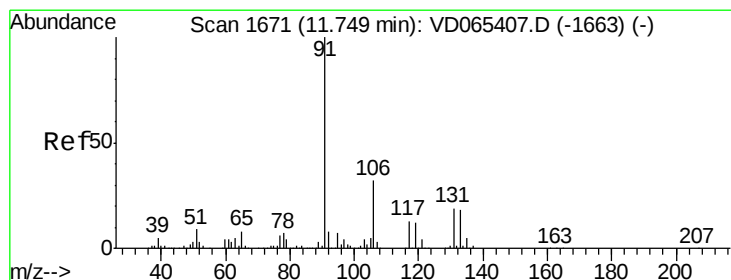
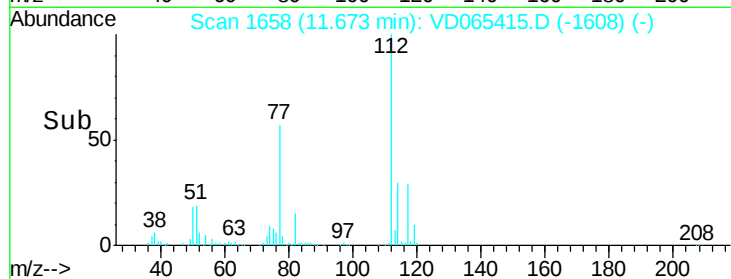
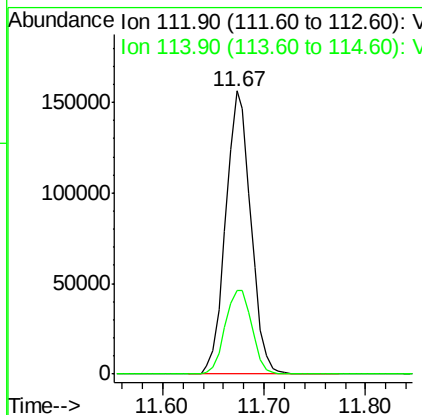
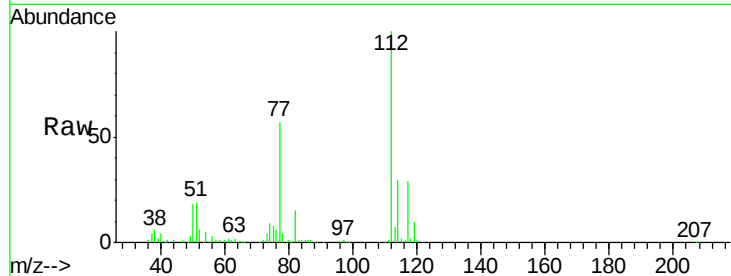
#65  
Chlorobenzene  
Concen: 20.405 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 29.7  | 24.4  | 36.6  |

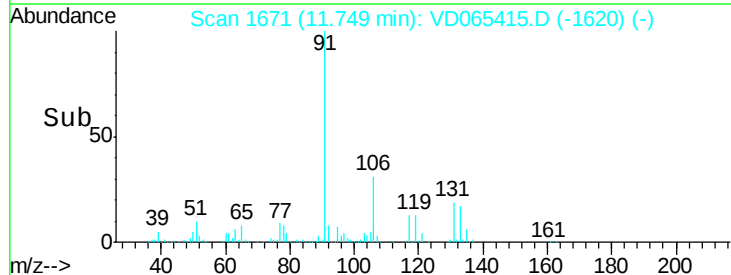
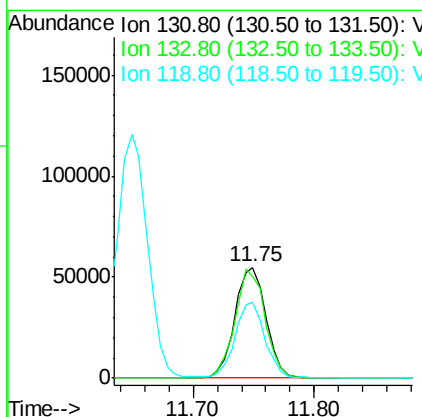
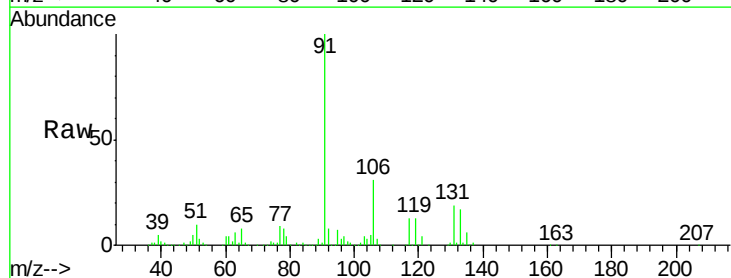
Manual Integrations  
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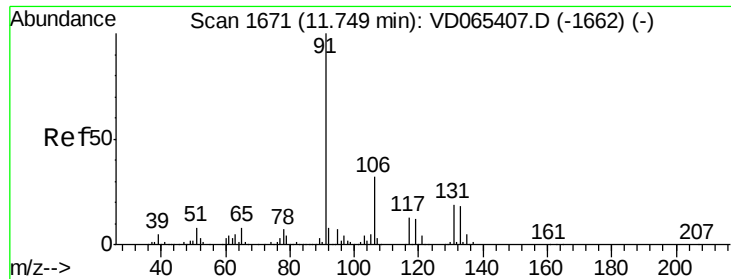
MMDadoda  
3/5/2020 1:39:07 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.647 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.6  | 49.2  | 147.6 |
| 119     | 65.7  | 33.3  | 99.8  |





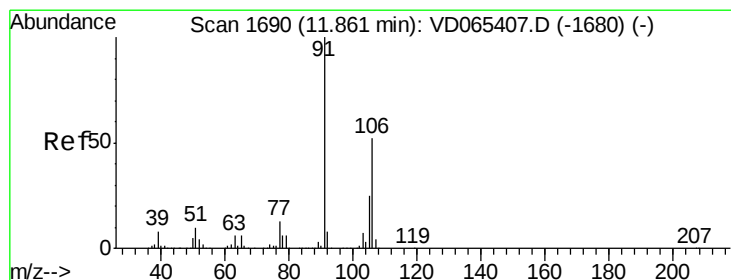
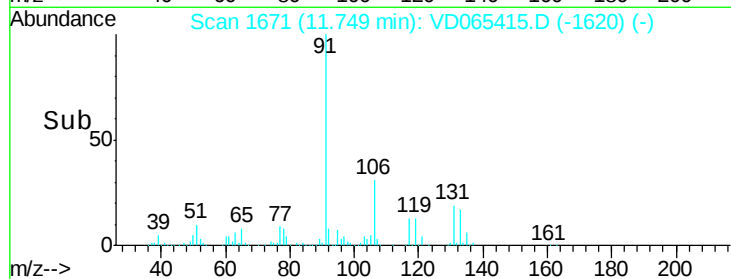
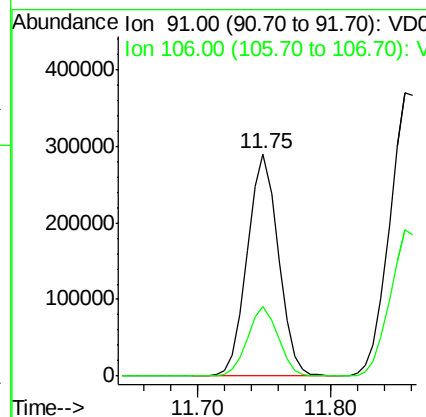
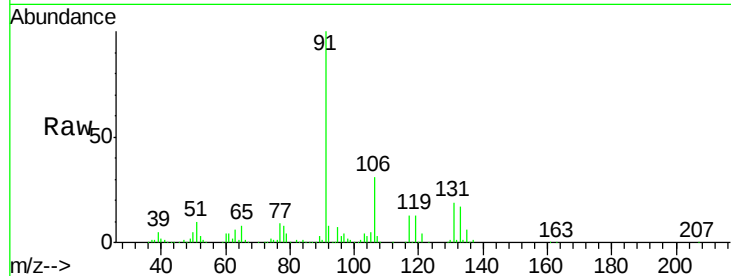
#67  
Ethyl Benzene  
Concen: 20.469 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

Tot Ion: 91 Resp: 464935  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.2 37.8

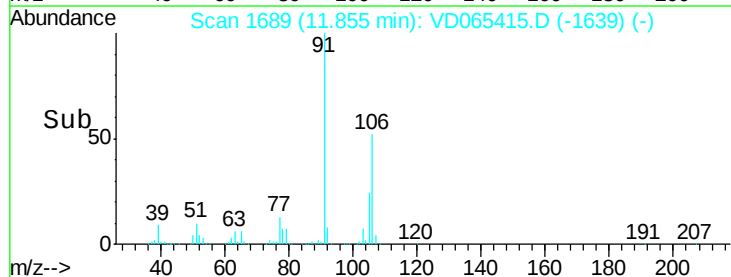
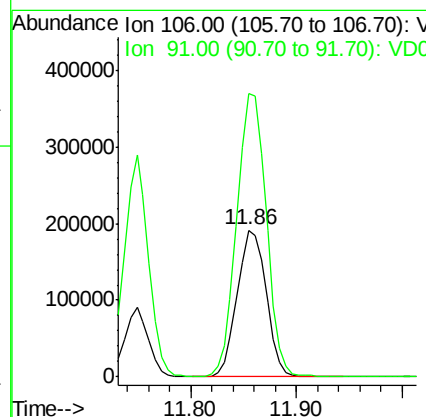
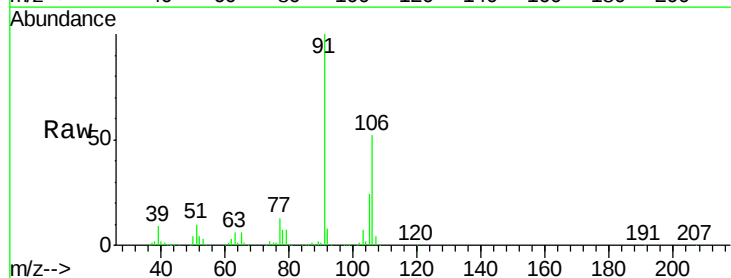
Manual Integrations  
APPROVED

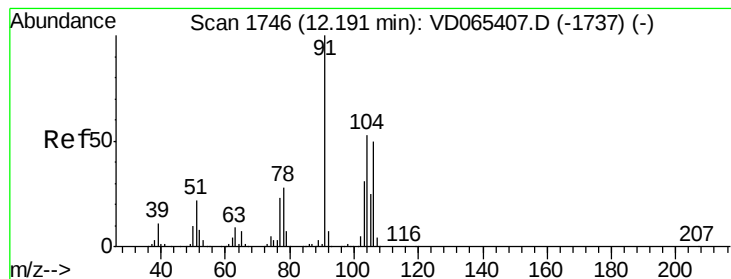
MMDadoda  
3/5/2020 1:39:07 PM



#68  
m/p-Xylenes  
Concen: 41.595 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Tgt Ion: 106 Resp: 364306  
Ion Ratio Lower Upper  
106 100  
91 196.5 155.9 233.9





#69

o-Xylene

Concen: 20.647 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion:106 Resp: 159068

Ion Ratio Lower Upper

106 100

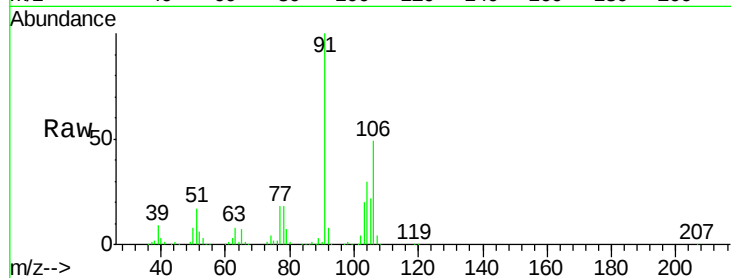
91 208.5 103.5 310.3

Manual Integrations

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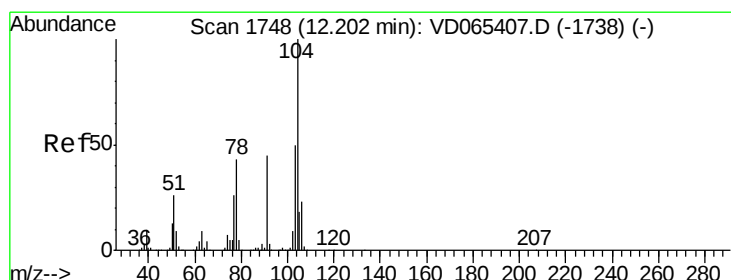
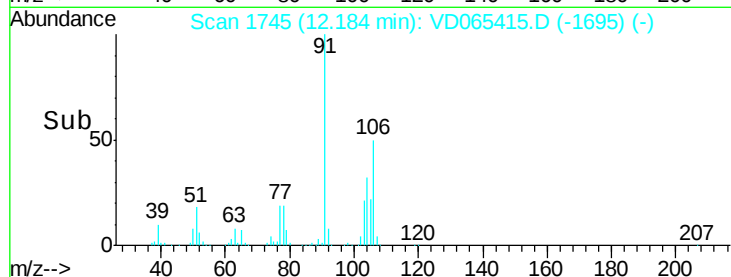
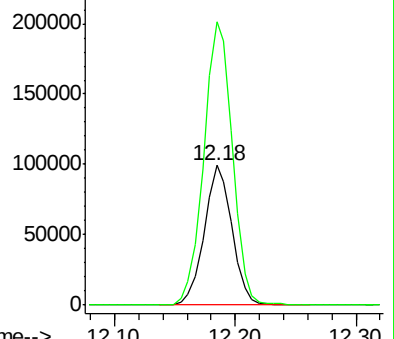
MMDadoda

3/5/2020 1:39:07 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 20.979 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

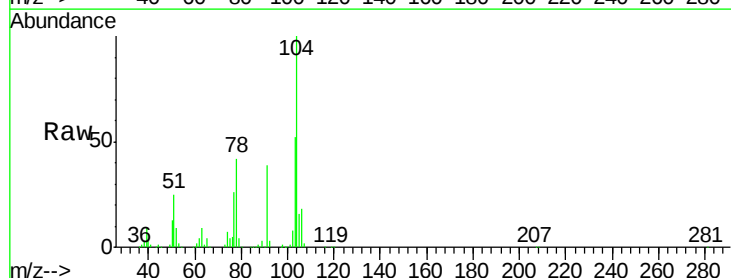
Tgt Ion:104 Resp: 284448

Ion Ratio Lower Upper

104 100

78 46.1 37.7 56.5

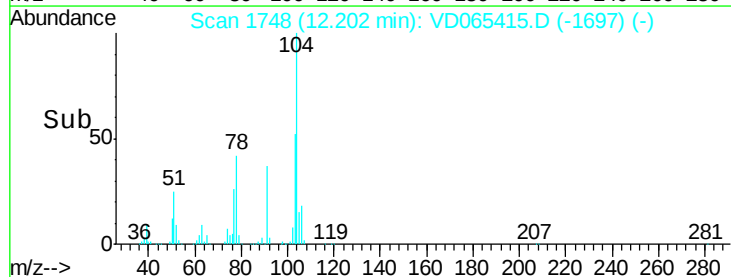
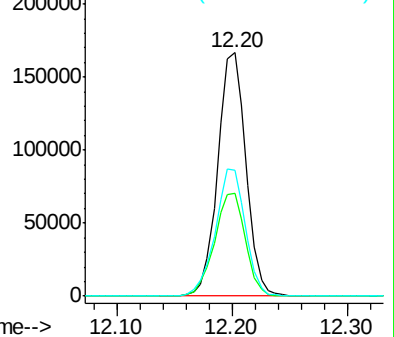
103 55.5 43.6 65.4

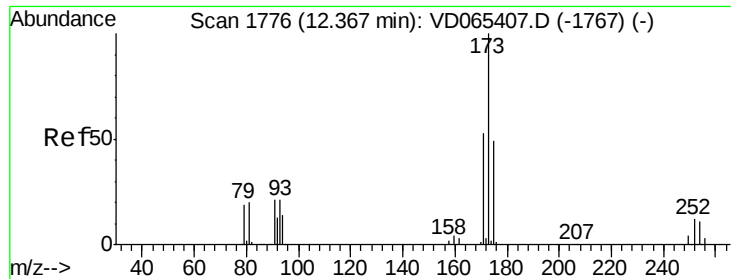


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V





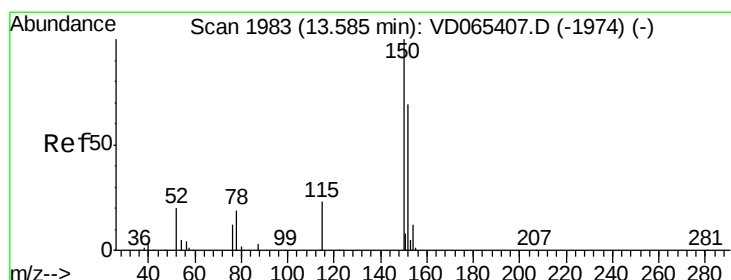
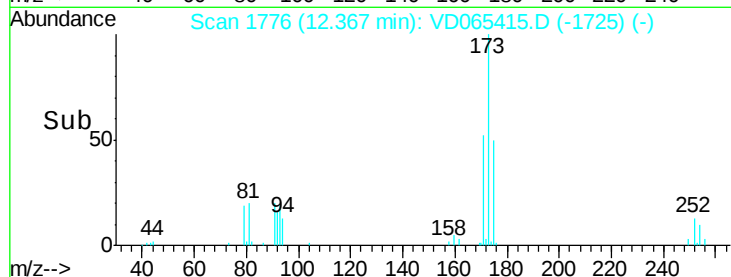
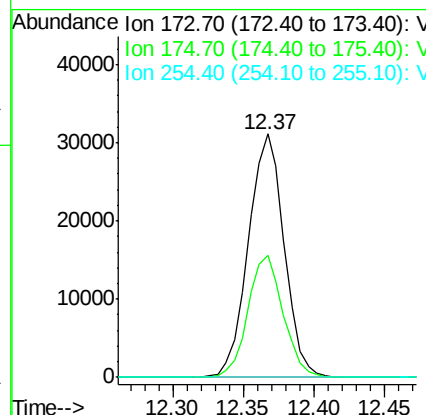
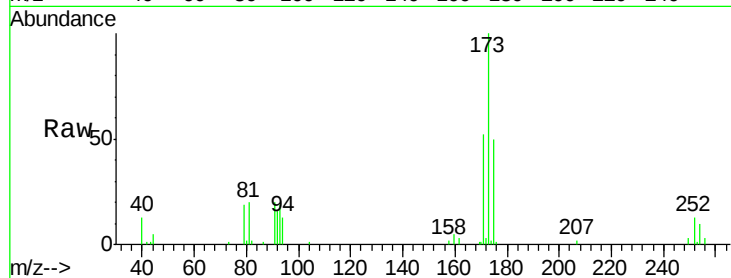
#71  
Bromoform  
Concen: 20.553 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 24.3  | 73.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

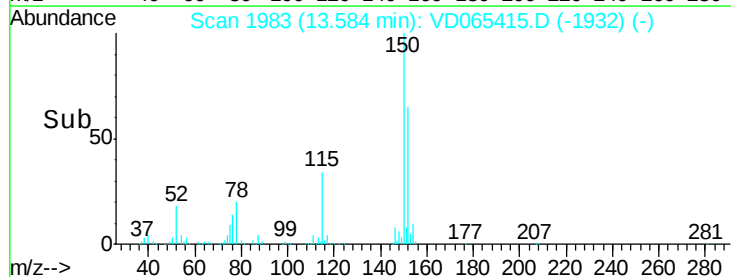
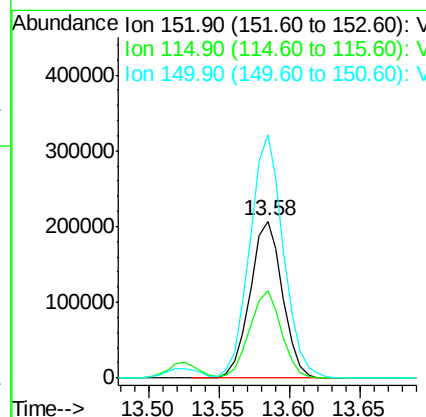
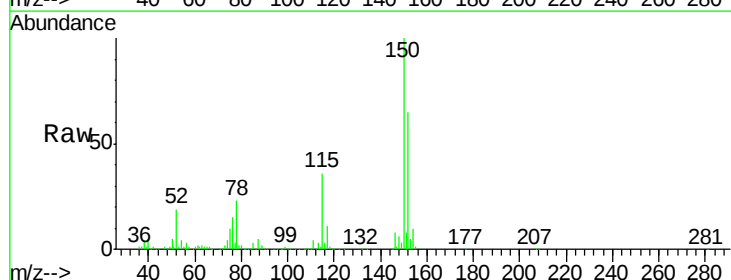
Manual Integrations  
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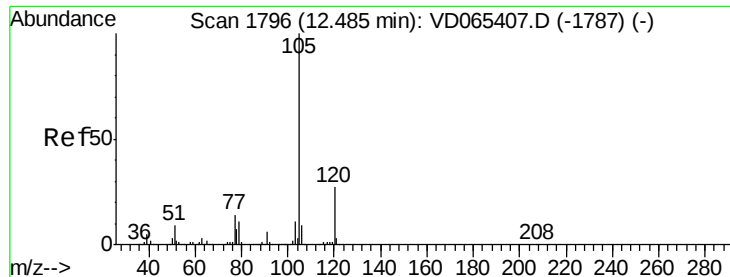
MMDadoda  
3/5/2020 1:39:07 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.6  | 82.8  |
| 150     | 161.2 | 0.0   | 345.0 |





#73

Isopropylbenzene

Concen: 19.738 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 105 Resp: 433407

Ion Ratio Lower Upper

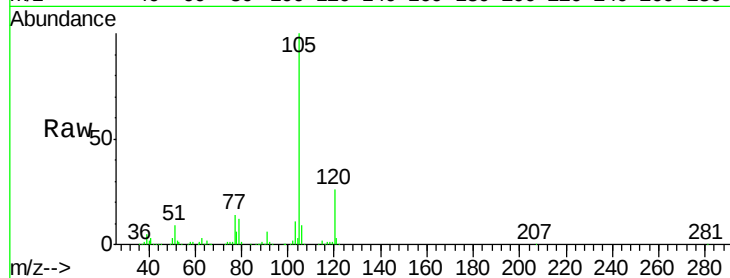
105 100

120 27.1 13.5 40.4

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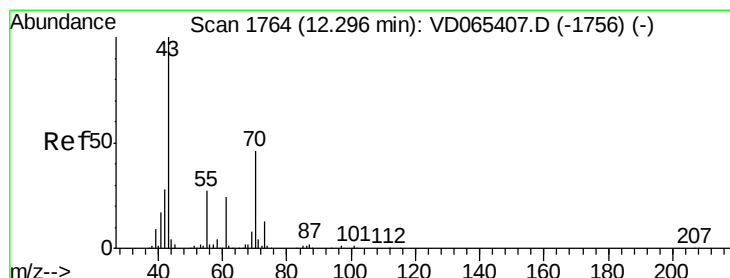
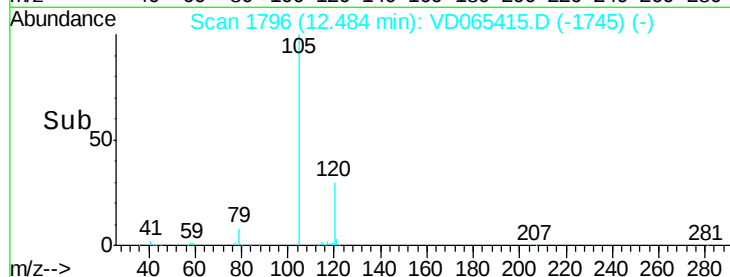
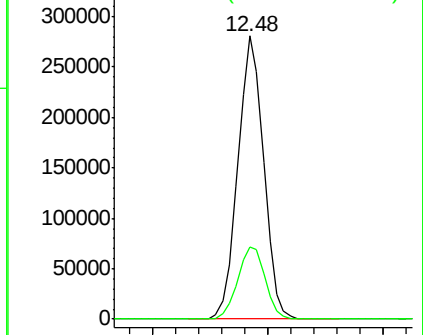
MMDadoda

3/5/2020 1:39:07 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.577 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Tgt Ion: 43 Resp: 88004

Ion Ratio Lower Upper

43 100

70 44.6 36.1 54.1

55 29.8 21.6 32.4

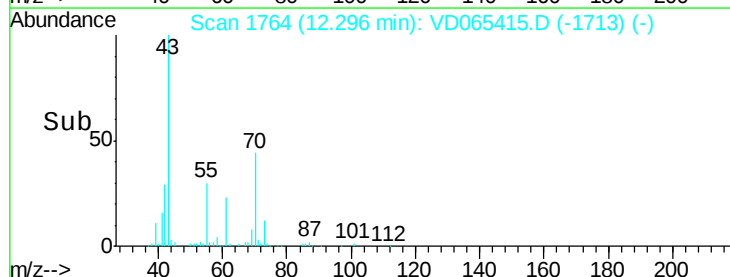
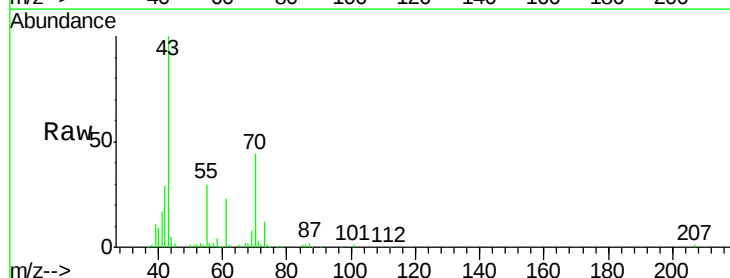
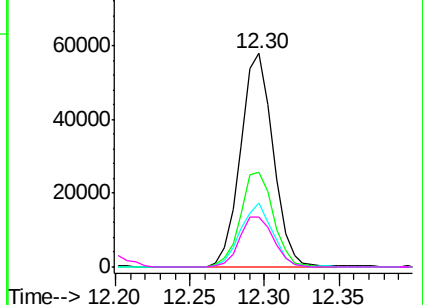
61 24.4 19.6 29.4

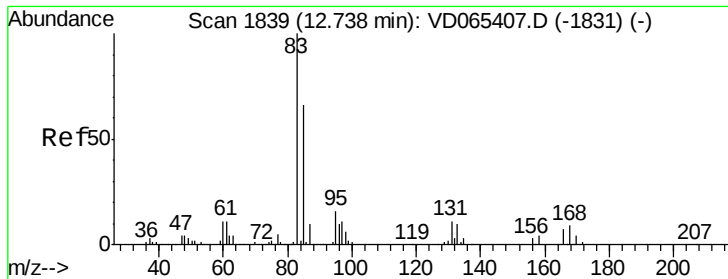
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.784 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

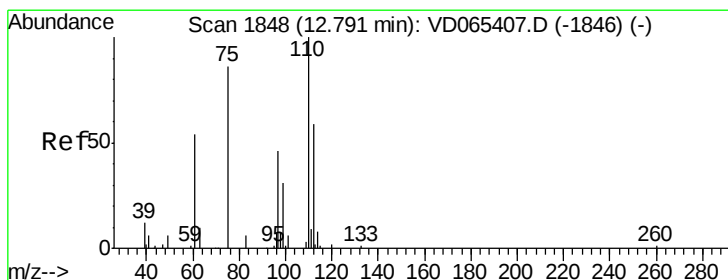
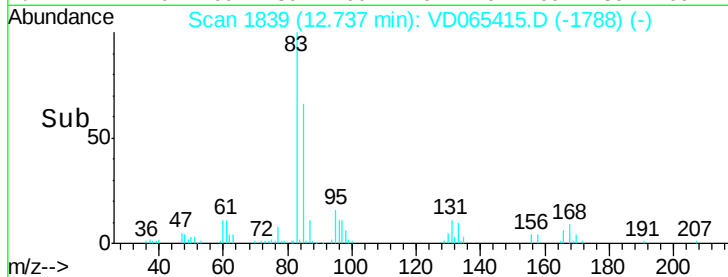
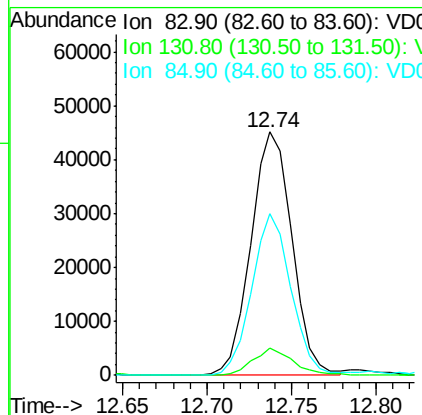
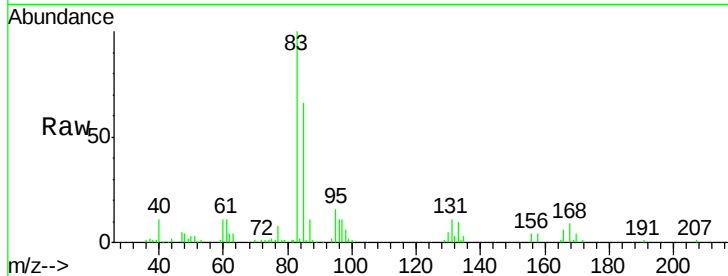
ClientSampleId :

VD0304SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 76360 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.1  | 5.4   | 16.2  |
| 85       | 63.4  | 33.0  | 98.9  |

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#76

1,2,3-Trichloropropane

Concen: 19.106 ug/l m

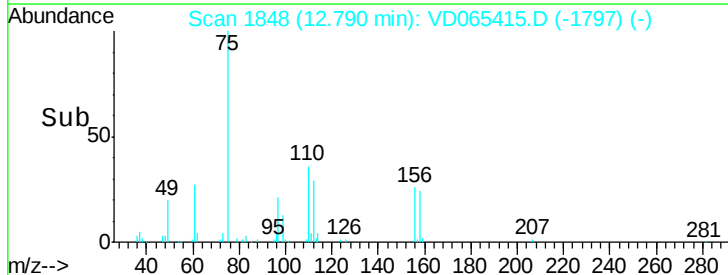
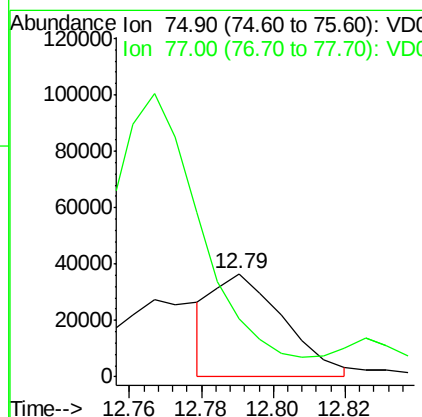
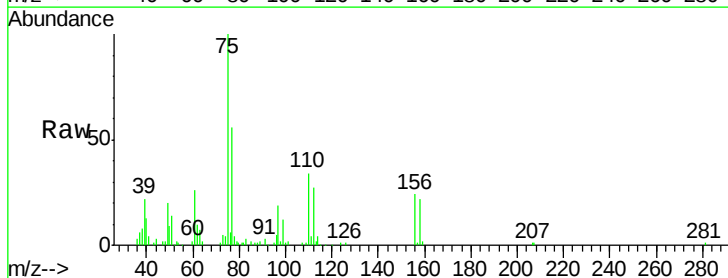
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 50329 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.170 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

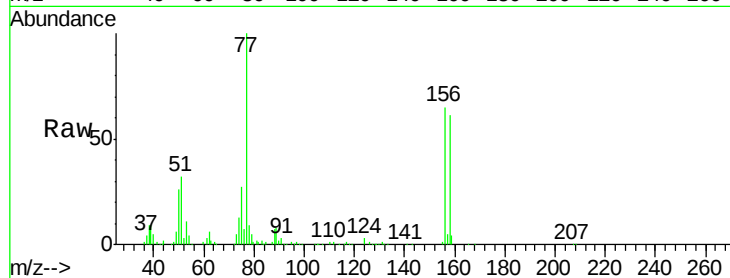
ClientSampleId :

VD0304SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 110033 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 168.1 | 84.9  | 254.6  |
| 158       | 94.2  | 49.0  | 147.2  |

Manual Integrations  
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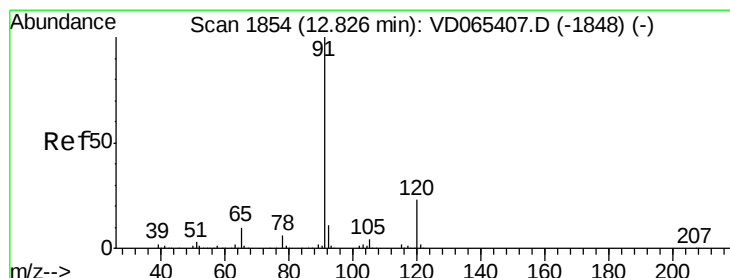
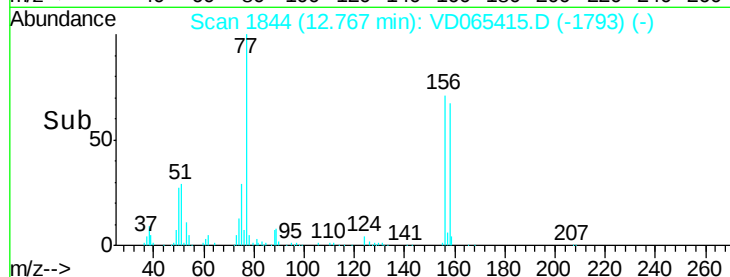
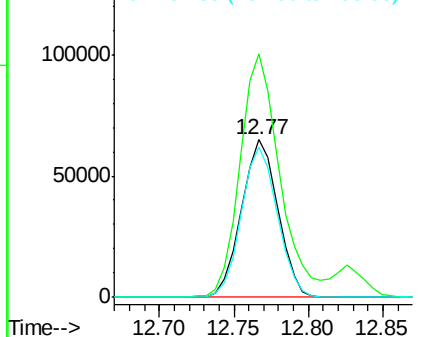
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.333 ug/l

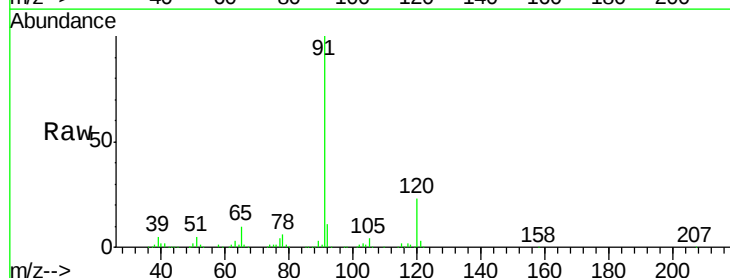
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065415.D

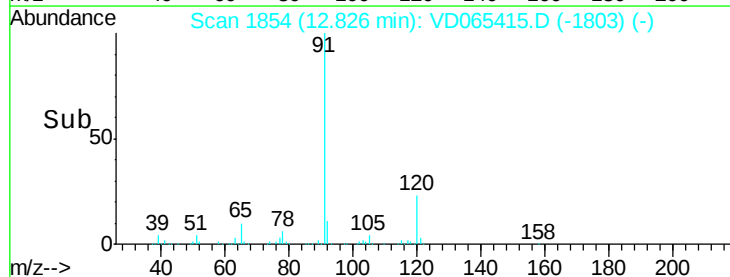
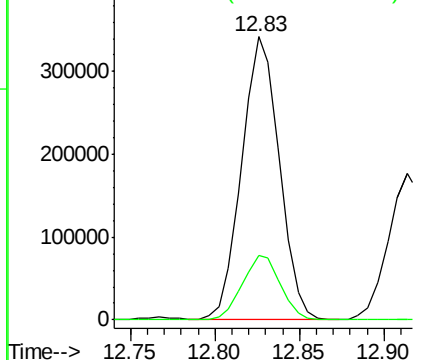
Acq: 04 Mar 2020 17:18

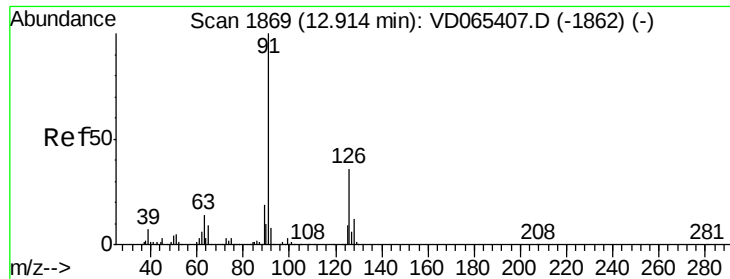
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 529738 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.1  | 11.9  | 35.5   |



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.853 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0304SBS01

Tot Ion: 91 Resp: 291499

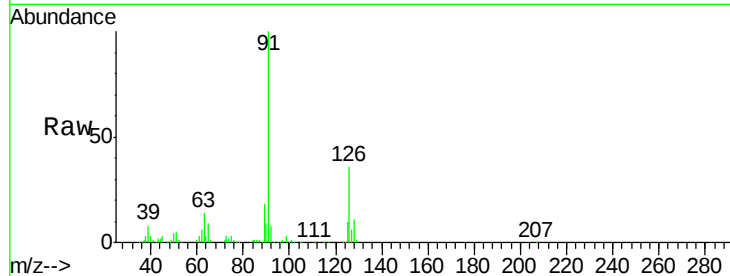
Ion Ratio Lower Upper

91 100

126 35.5 17.9 53.8

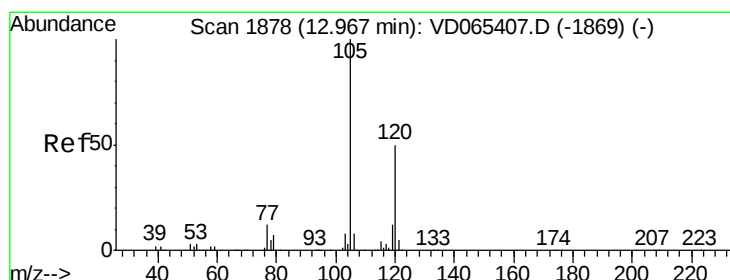
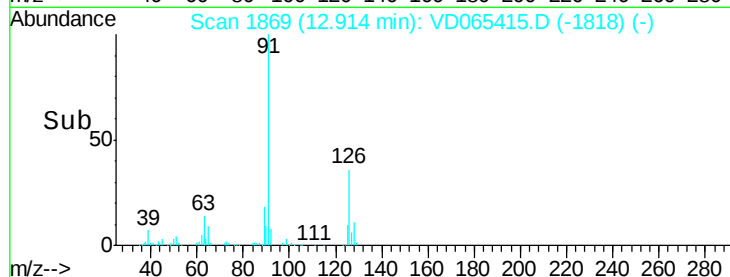
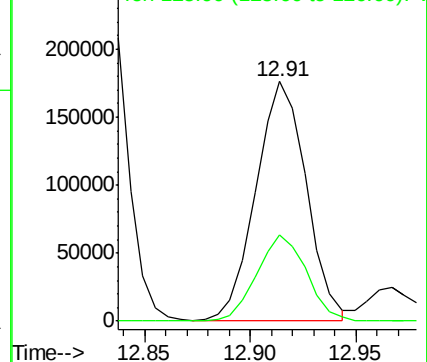
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.197 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065415.D

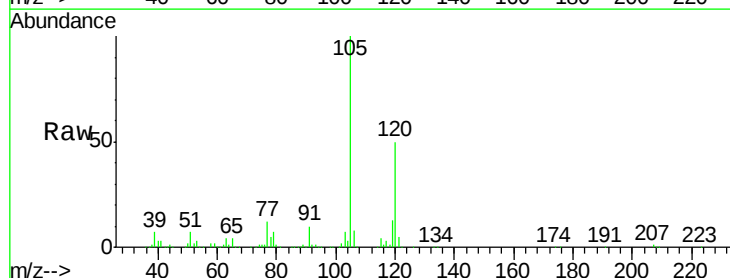
Acq: 04 Mar 2020 17:18

Tgt Ion: 105 Resp: 364590

Ion Ratio Lower Upper

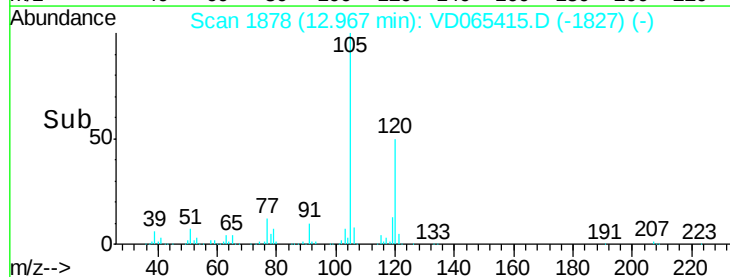
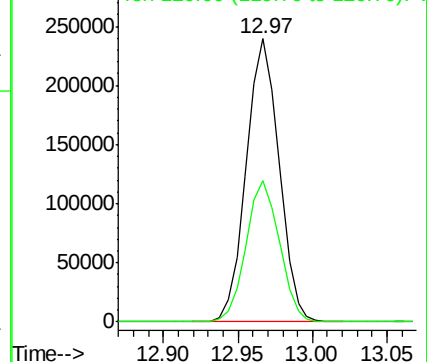
105 100

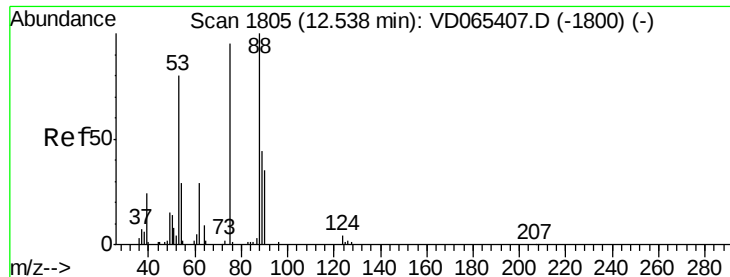
120 50.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.569 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

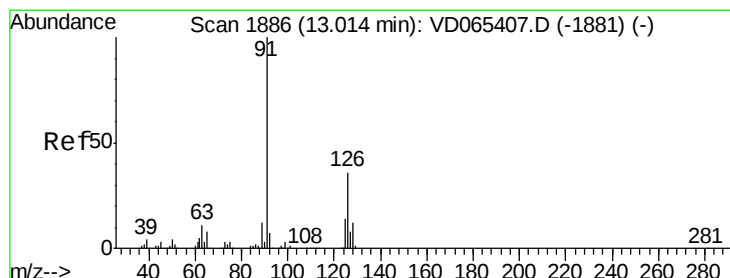
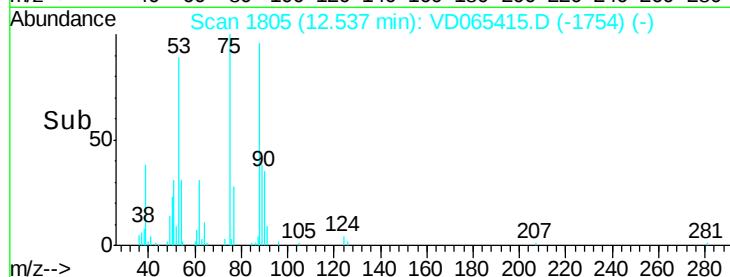
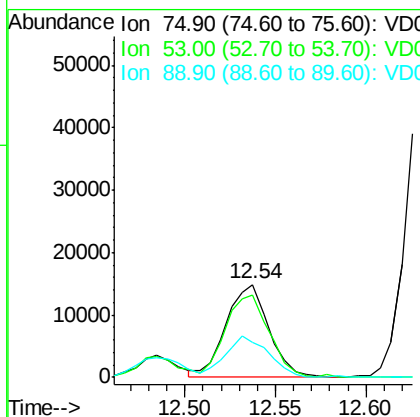
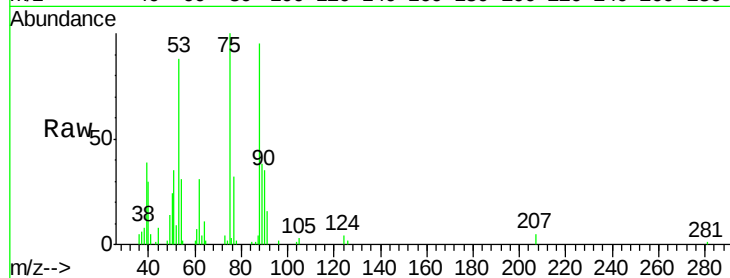
ClientSampleId :

VD0304SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 24427 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 90.3  | 71.3  | 106.9 |
| 89       | 44.6  | 37.0  | 55.6  |

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#82

4-Chlorotoluene

Concen: 20.054 ug/l

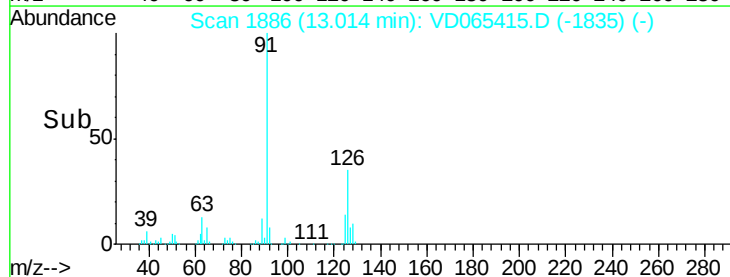
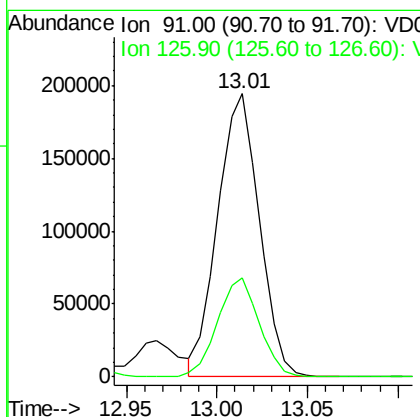
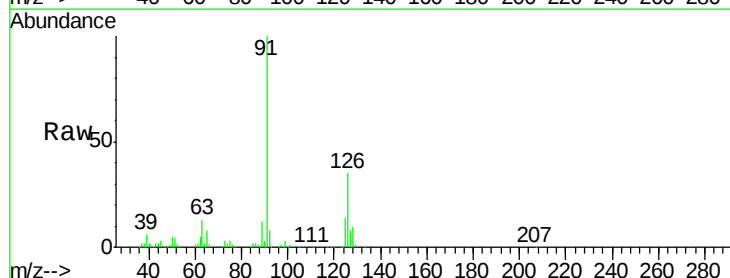
RT: 13.01 min Scan# 1886

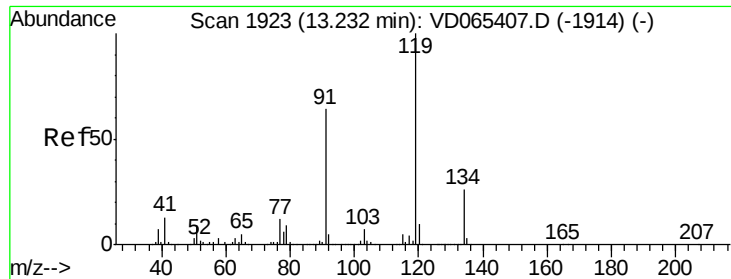
Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 309423 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.1  | 17.6  | 52.8   |





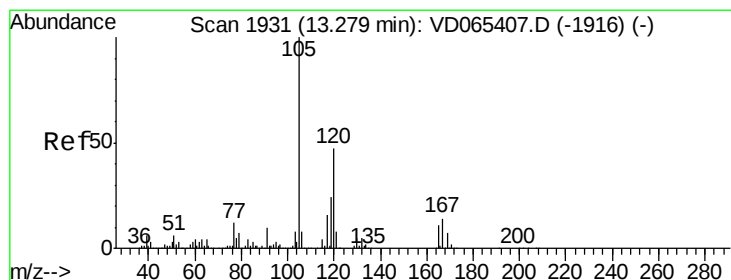
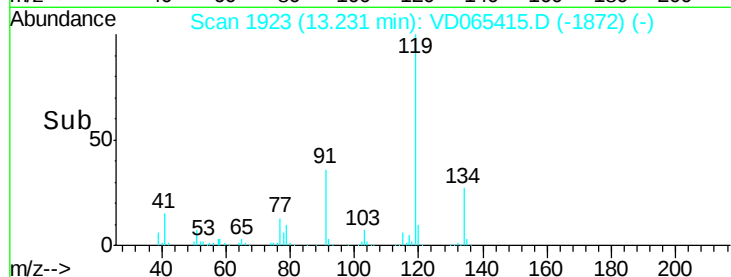
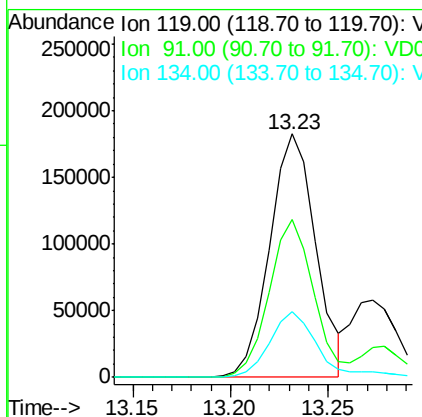
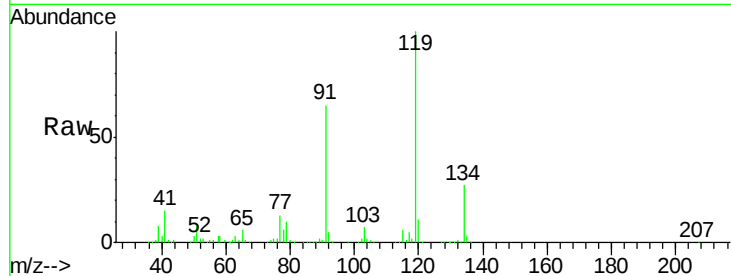
#83  
tert-Butylbenzene  
Concen: 19.503 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 297851 |       |       |
| 91      | 63.3  |        | 31.6  | 95.0  |
| 134     | 28.3  |        | 14.2  | 42.8  |

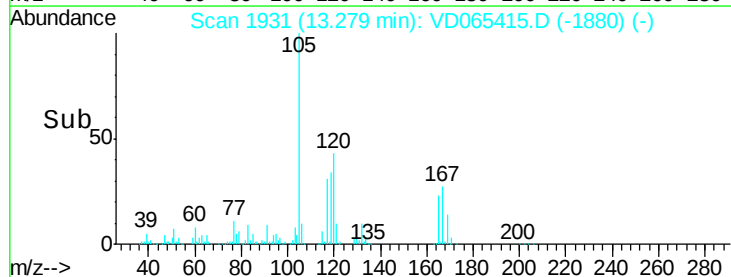
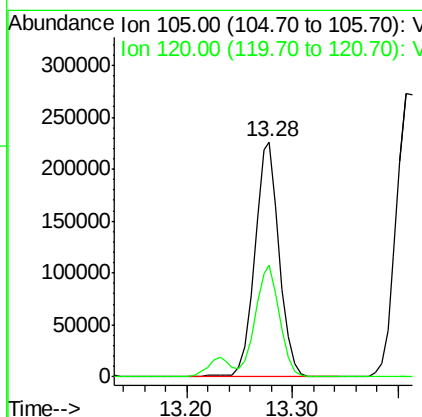
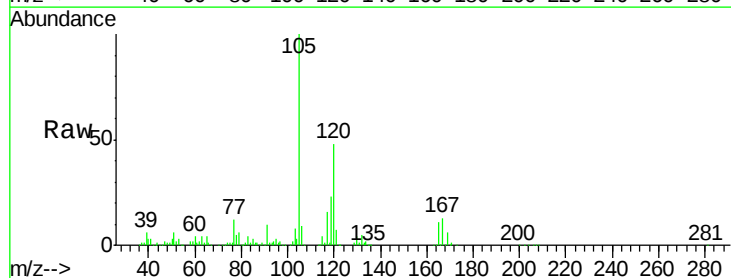
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#84  
1,2,4-Trimethylbenzene  
Concen: 20.378 ug/l  
RT: 13.28 min Scan# 1931  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 362605 |       |       |
| 120     | 47.1  |        | 23.4  | 70.3  |





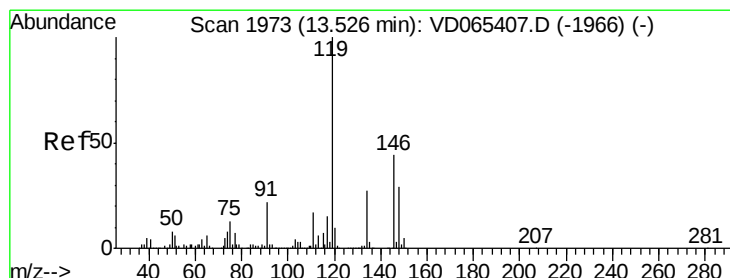
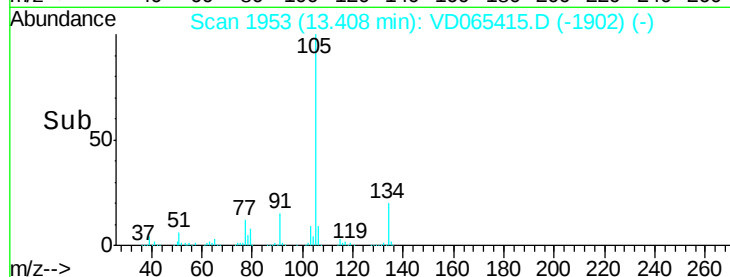
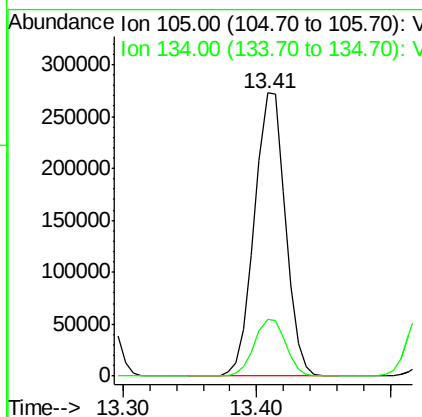
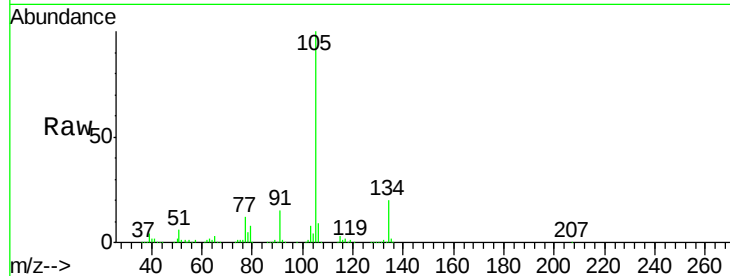
#85  
 sec-Butylbenzene  
 Concen: 20.066 ug/l  
 RT: 13.41 min Scan# 1953  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.5  | 10.3  | 30.9  |

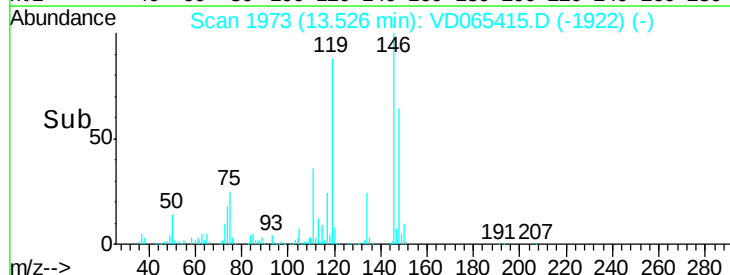
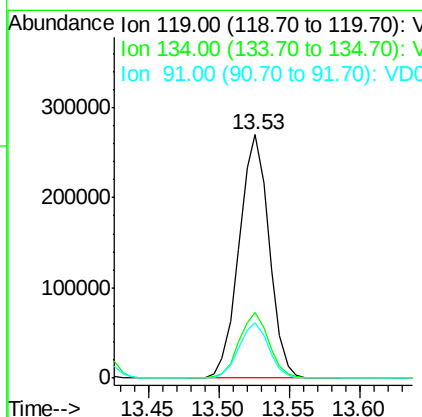
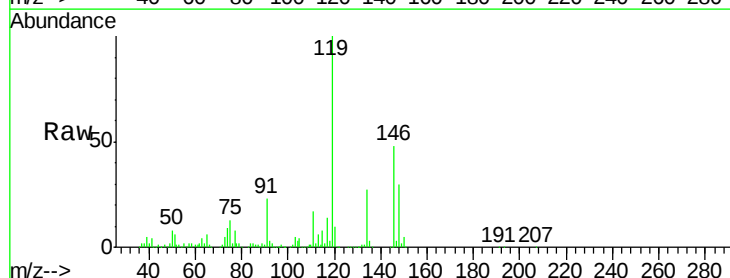
Manual Integrations  
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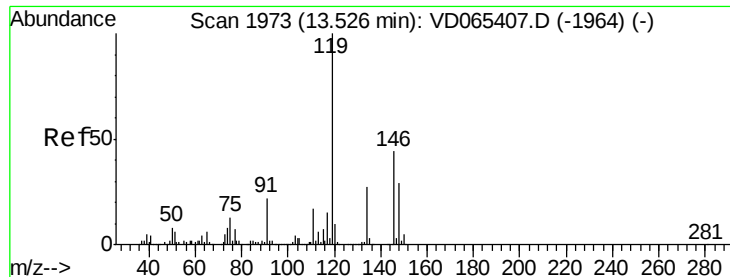
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 20.174 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.8  | 13.3  | 39.9  |
| 91      | 22.6  | 10.9  | 32.6  |





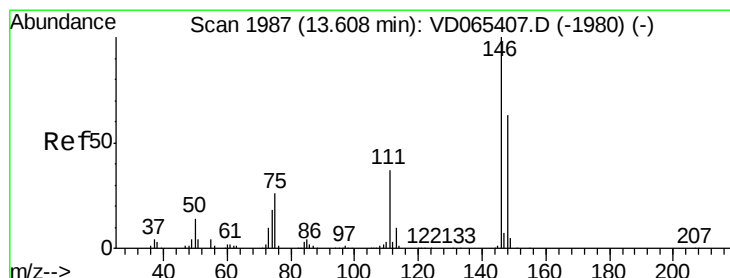
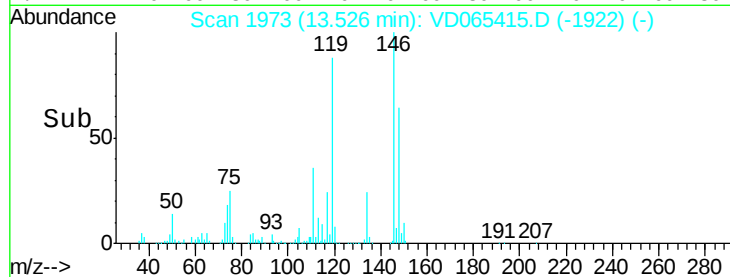
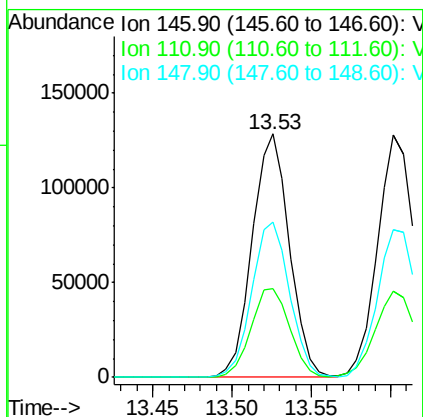
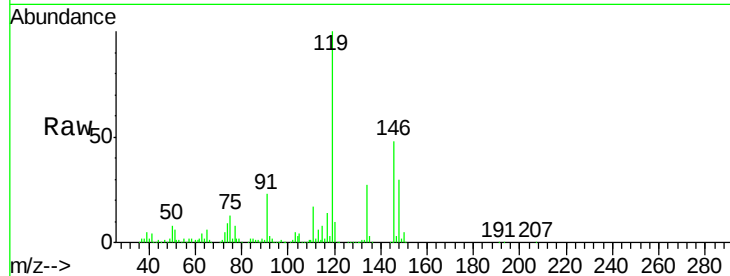
#87  
 1,3-Dichlorobenzene  
 Concen: 20.006 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.1  | 57.1  |
| 148     | 64.7  | 32.3  | 96.8  |

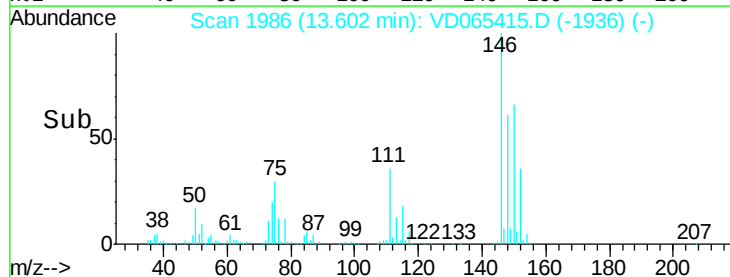
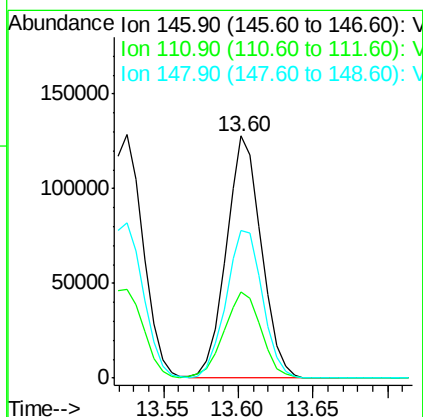
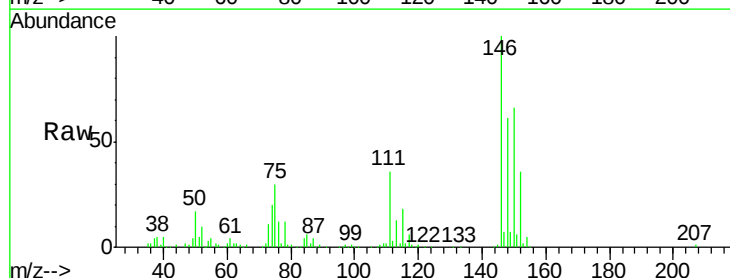
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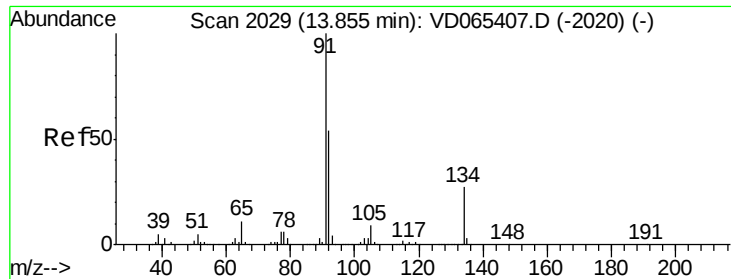
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.048 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.5  | 55.5  |
| 148     | 63.5  | 32.0  | 96.0  |





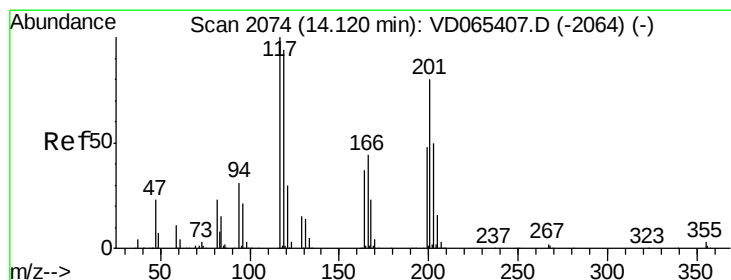
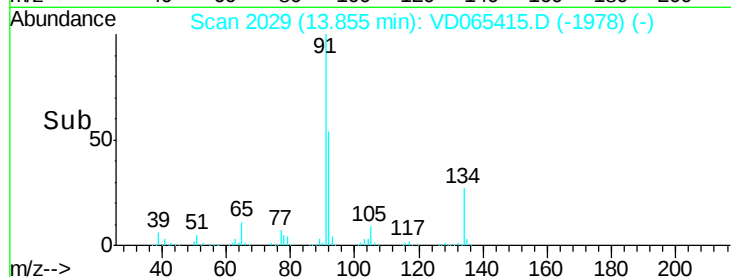
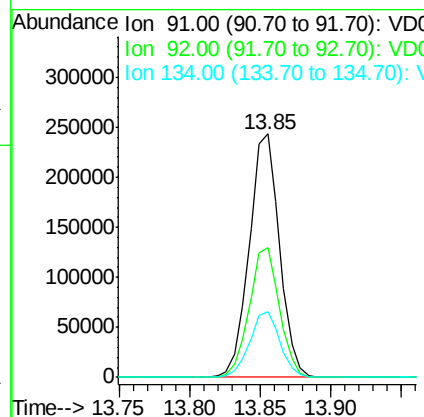
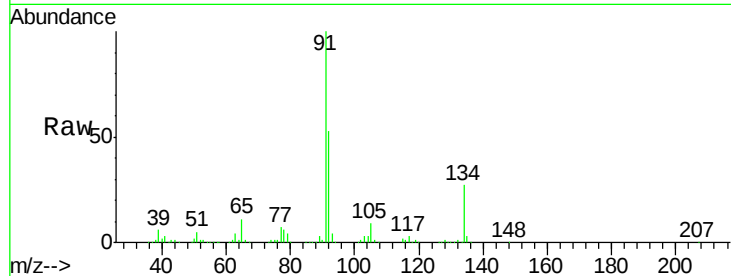
#89  
n-Butylbenzene  
Concen: 19.886 ug/l  
RT: 13.85 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0304SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 53.3  | 26.8 | 80.4  |       |
| 134     | 27.1  | 13.4 | 40.2  |       |

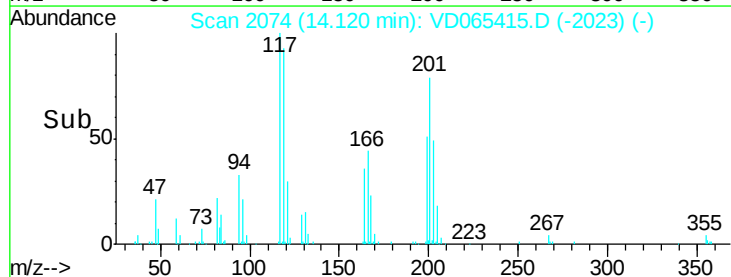
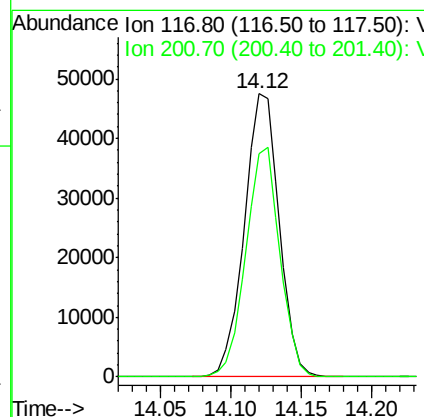
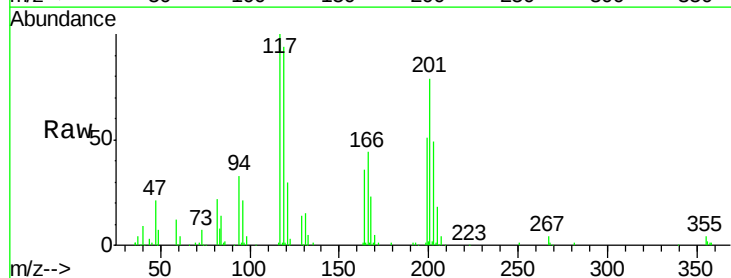
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#90  
Hexachloroethane  
Concen: 20.067 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. -0.00 min  
Lab File: VD065415.D  
Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 79.1  | 41.9 | 125.6 |       |





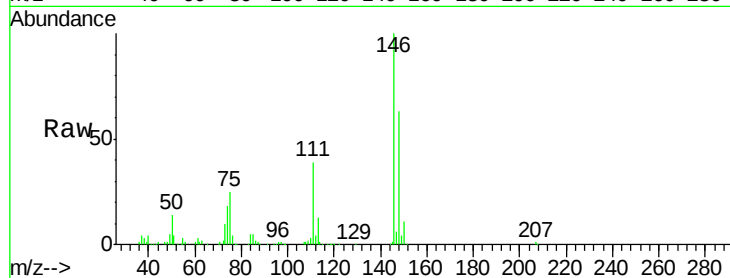
#91  
 1,2-Dichlorobenzene  
 Concen: 20.098 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

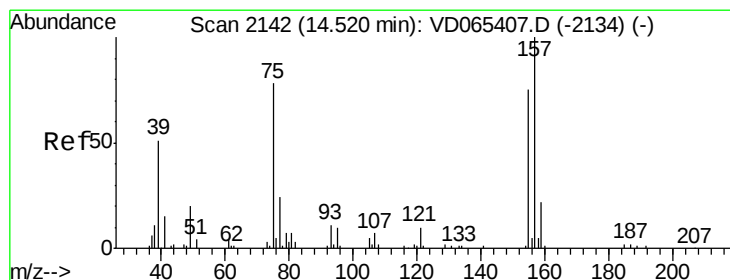
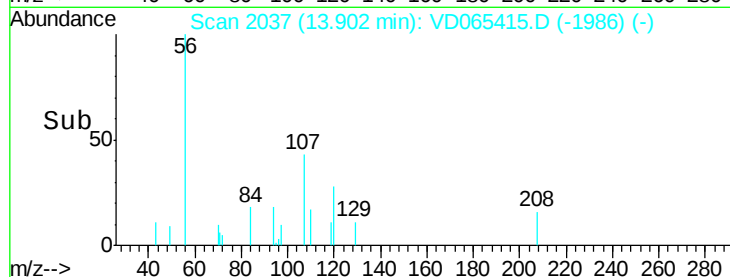
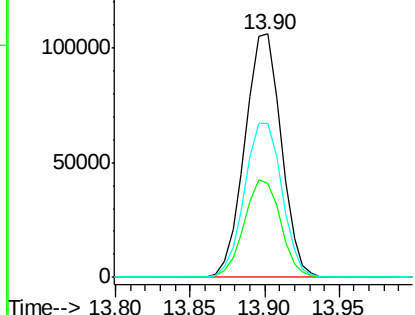
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.8  | 59.3  |
| 148     | 65.1  | 32.6  | 97.8  |

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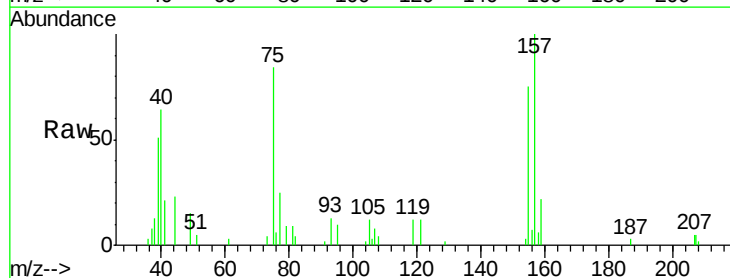


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

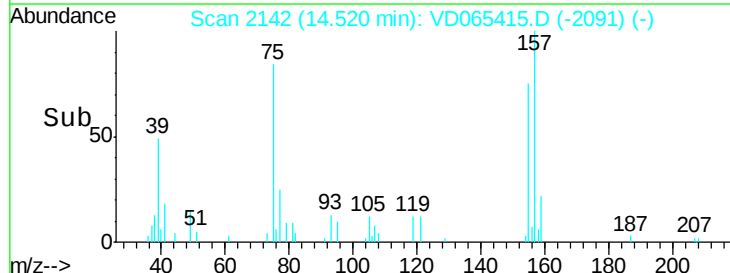
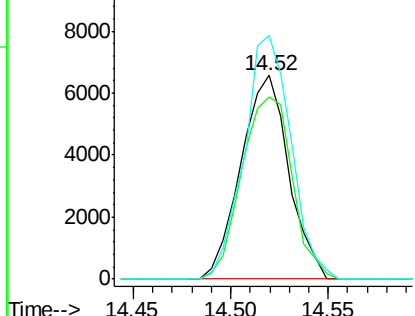


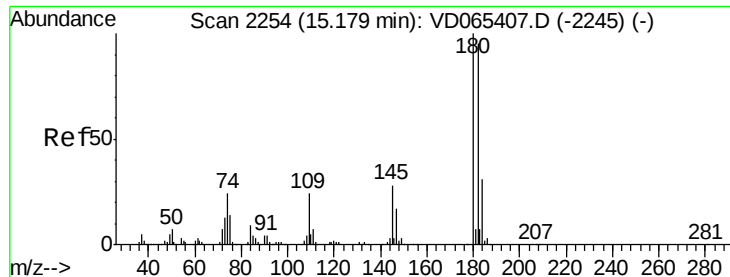
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.965 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.7  | 46.4  | 139.1 |
| 157     | 117.1 | 60.2  | 180.4 |



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V





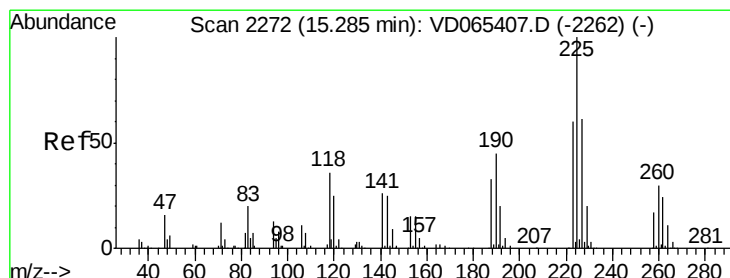
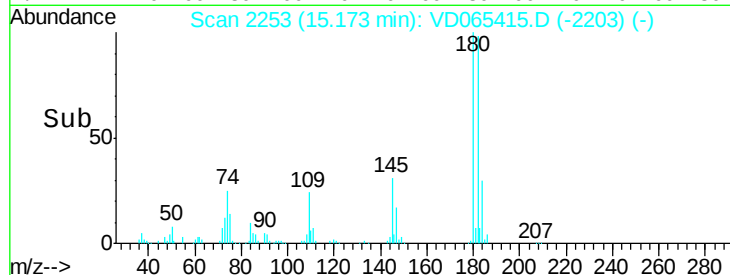
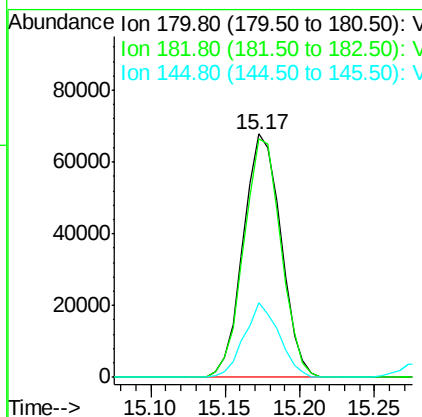
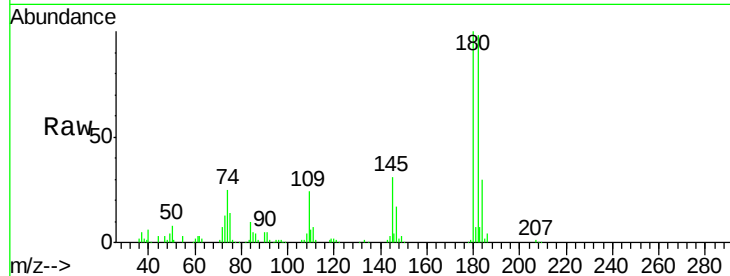
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.632 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0304SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 118760 |       |       |
| 182     | 96.2  | 48.3   | 144.9 |       |
| 145     | 28.5  | 14.4   | 43.4  |       |

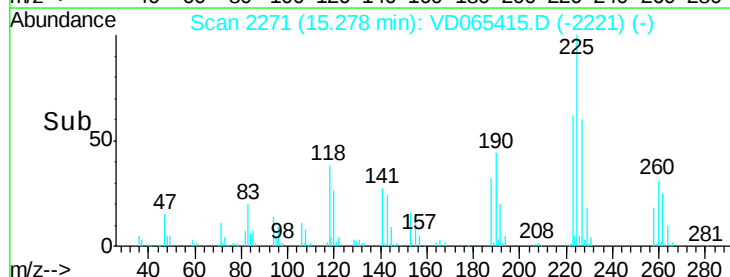
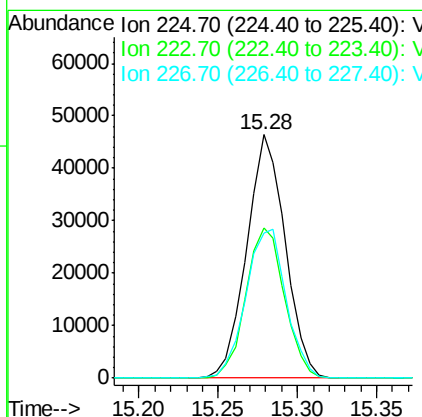
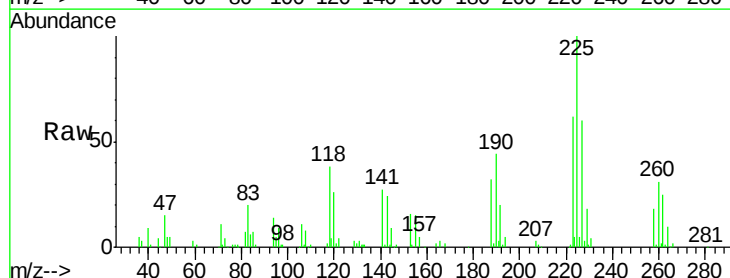
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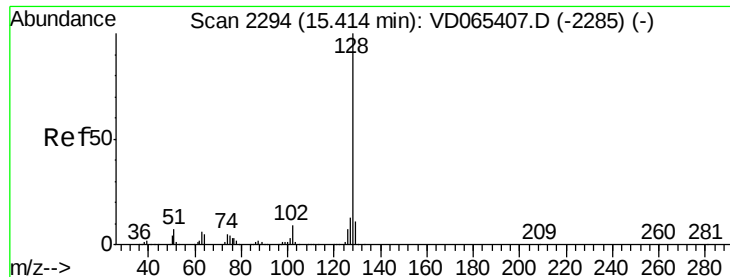
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#94  
 Hexachlorobutadiene  
 Concen: 19.722 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD065415.D  
 Acq: 04 Mar 2020 17:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 78393 |       |       |
| 223     | 61.7  | 30.9  | 92.5  |       |
| 227     | 64.1  | 31.6  | 94.7  |       |





#95

Naphthalene

Concen: 19.793 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA\_D

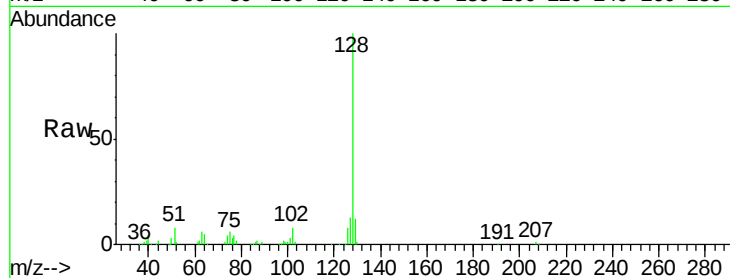
ClientSampleId :

VD0304SBS01

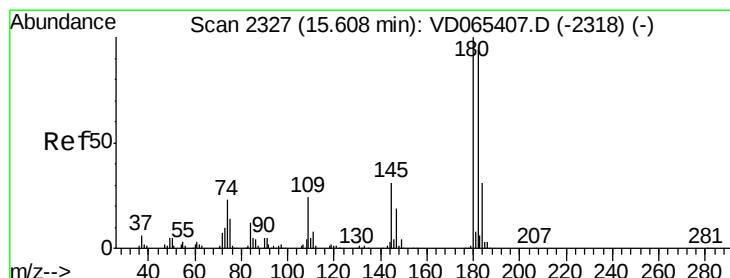
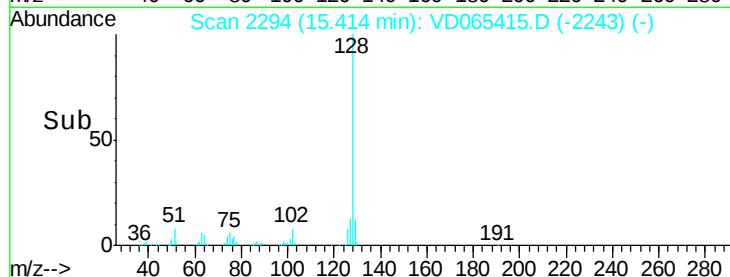
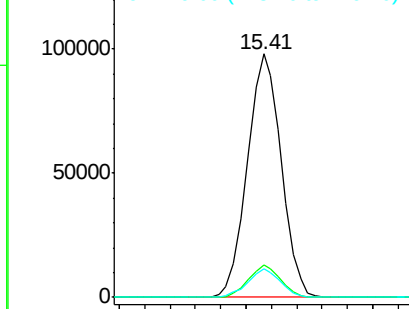
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 181925 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.6  | 16.0   |
| 129       | 11.3  | 8.7   | 13.1   |

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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.034 ug/l

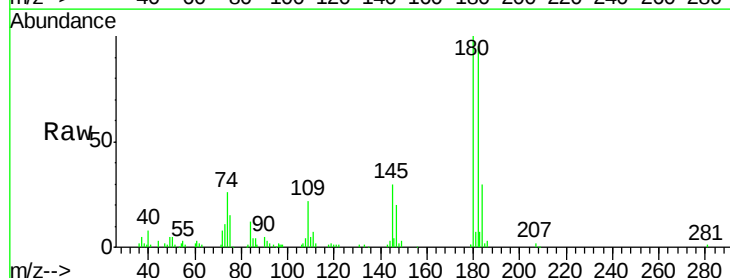
RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 104726 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.0  | 46.9  | 140.6  |
| 145       | 30.1  | 15.0  | 45.1   |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

