

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050720\  
 Data File : VD065708.D  
 Acq On : 07 May 2020 12:56  
 Operator : VA/SY  
 Sample : L2182-01 4PPBLOD  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

Quant Time: May 08 08:23:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 08 07:56:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 411416   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 621418   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 548132   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 266515   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 191862   | 46.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.12%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 192486   | 49.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.12%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 752059   | 50.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.84% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 255930   | 48.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.80%  |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 14645  | 4.538  | ug/l   | 98     |
| 3) Chloromethane              | 2.20 | 50  | 20843  | 5.122  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.34 | 62  | 20558  | 4.986  | ug/l   | 90     |
| 5) Bromomethane               | 2.77 | 94  | 14844  | 5.704  | ug/l   | 95     |
| 6) Chloroethane               | 2.92 | 64  | 13077  | 4.937  | ug/l # | 86     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 28390  | 4.316  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.71 | 74  | 9092   | 4.412  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 17562  | 4.398  | ug/l   | 97     |
| 10) Methyl Iodide             | 4.30 | 142 | 15322  | 3.912  | ug/l # | 91     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 12284  | 33.453 | ug/l # | 79     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 18125  | 4.619  | ug/l   | 91     |
| 13) Acrolein                  | 3.92 | 56  | 7718   | 22.793 | ug/l   | 88     |
| 14) Allyl chloride            | 4.72 | 41  | 30992  | 3.962  | ug/l   | 98     |
| 15) Acrylonitrile             | 5.42 | 53  | 19242  | 19.861 | ug/l # | 91     |
| 16) Acetone                   | 4.16 | 43  | 17329  | 19.696 | ug/l   | 89     |
| 17) Carbon Disulfide          | 4.40 | 76  | 54444  | 4.219  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.72 | 43  | 10005  | 4.573  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.47 | 73  | 38810  | 4.079  | ug/l   | 93     |
| 20) Methylene Chloride        | 4.96 | 84  | 23588  | 5.322  | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 19826  | 4.413  | ug/l   | 97     |
| 22) Diisopropyl ether         | 6.36 | 45  | 57696  | 3.966  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.31 | 43  | 165827 | 18.872 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 32551  | 4.084  | ug/l   | 95     |
| 25) 2-Butanone                | 7.21 | 43  | 25820  | 19.784 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 31773  | 4.428  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 20154  | 4.134  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.55 | 49  | 11501  | 3.460  | ug/l   | 92     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 16937  | 20.135 | ug/l   | 95     |
| 30) Chloroform                | 7.71 | 83  | 31832  | 4.151  | ug/l   | 98     |
| 31) Cyclohexane               | 7.98 | 56  | 40520  | 4.914  | ug/l # | 73     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 30060  | 4.228  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 26849  | 4.350  | ug/l   | 95     |
| 37) Ethyl Acetate             | 7.29 | 43  | 11932  | 4.015  | ug/l # | 79     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 26958  | 4.406  | ug/l   | 90     |

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 Sample : L2182-01 4PPBLOD  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

Quant Time: May 08 08:23:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 08 07:56:31 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 34343    | 4.433  | ug/l   | 93       |
| 40) Benzene                    | 8.35  | 78   | 72519    | 4.303  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.53  | 41   | 6848     | 3.995  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 21061    | 4.343  | ug/l   | 95       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 24787    | 4.171  | ug/l   | 96       |
| 44) Trichloroethene            | 9.11  | 130  | 20239    | 4.357  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 18406    | 4.223  | ug/l   | 99       |
| 46) Dibromomethane             | 9.48  | 93   | 9130     | 4.176  | ug/l   | 89       |
| 47) Bromodichloromethane       | 9.67  | 83   | 24931    | 4.264  | ug/l   | 93       |
| 48) Methyl methacrylate        | 9.46  | 41   | 11679    | 3.925  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 2578     | 96.192 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 63312    | 22.107 | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 48175    | 4.520  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 23578    | 3.981  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 29137    | 4.176  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 13257    | 4.498  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 18073    | 4.247  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 23120    | 4.363  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 39326    | 20.128 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.98 | 43   | 40766    | 20.696 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 17865    | 4.512  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 13082    | 4.411  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.88 | 164  | 18105    | 4.641  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.67 | 112  | 50192    | 4.545  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 17501    | 4.250  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.75 | 91   | 89876    | 4.362  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 68113    | 8.868  | ug/l   | 95       |
| 69) o-Xylene                   | 12.18 | 106  | 31690    | 4.422  | ug/l   | 96       |
| 70) Styrene                    | 12.20 | 104  | 54617    | 4.432  | ug/l   | 97       |
| 71) Bromoform                  | 12.36 | 173  | 10499    | 4.532  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.48 | 105  | 86059    | 4.262  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 21896    | 3.798  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 14360    | 4.241  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 8958m    | 3.980  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 20764    | 4.484  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.83 | 91   | 101188   | 4.256  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 57060    | 4.247  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 72365    | 4.365  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 5256     | 4.133  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 60046    | 4.271  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 60670    | 4.299  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 70924    | 4.295  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 85511    | 4.320  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 79711    | 4.419  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 38902    | 4.470  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 39169    | 4.562  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.85 | 91   | 73412    | 4.201  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 15532    | 4.323  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 33558    | 4.468  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 2369     | 4.162  | ug/l   | 92       |

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Sample : L2182-01 4PPBLOD  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

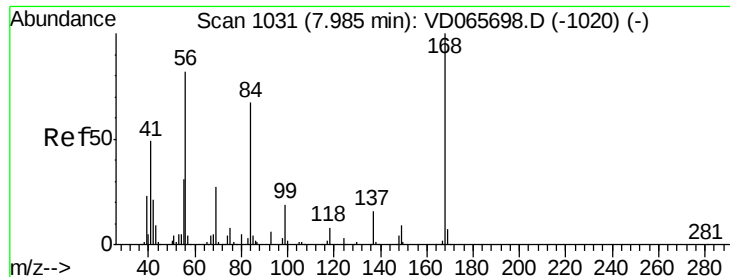
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

Quant Time: May 08 08:23:15 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050620S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 08 07:56:31 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 25555    | 4.535 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 14501    | 4.441 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 44441    | 4.487 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 21534    | 4.493 | ug/l  | 97       |

(#) = 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: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

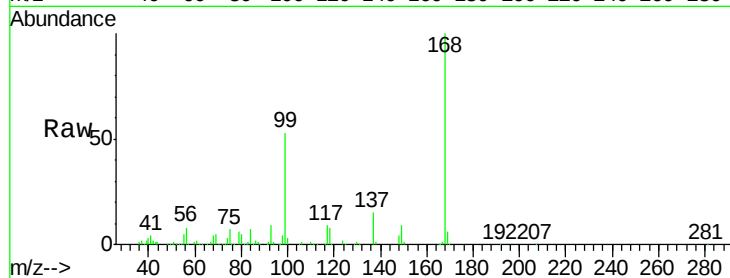
VD0308

Tot Ion:168 Resp: 411416

Ion Ratio Lower Upper

168 100

99 52.9 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

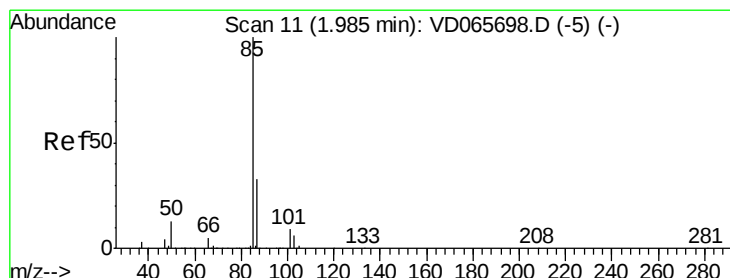
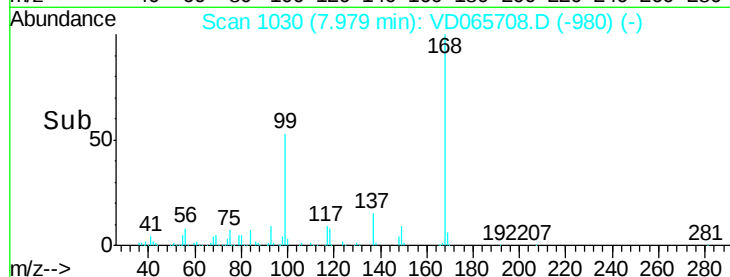
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.538 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065708.D

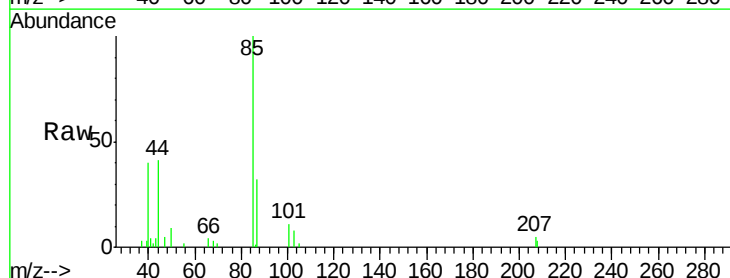
Acq: 07 May 2020 12:56

Tgt Ion: 85 Resp: 14645

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

12000

10000

8000

6000

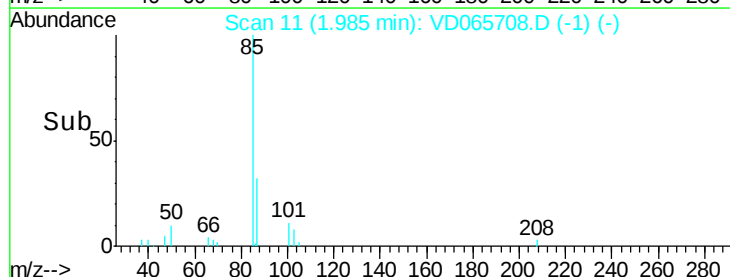
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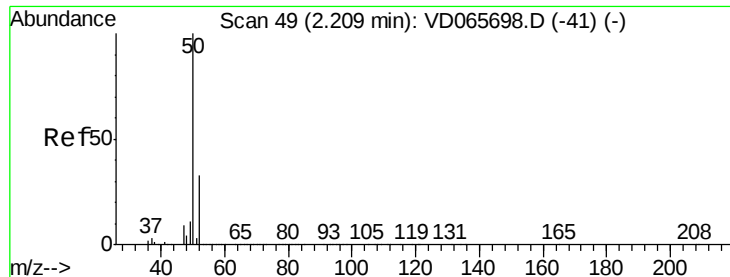
2000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 5.122 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

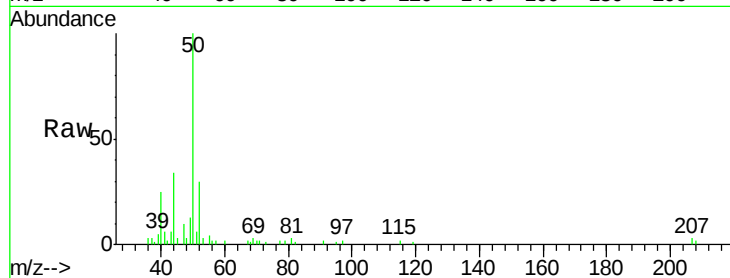
VD0308

Tot Ion: 50 Resp: 20843

Ion Ratio Lower Upper

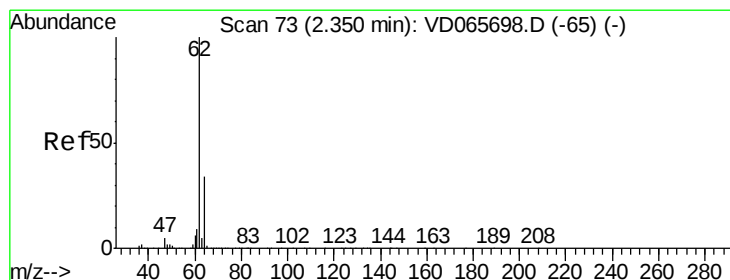
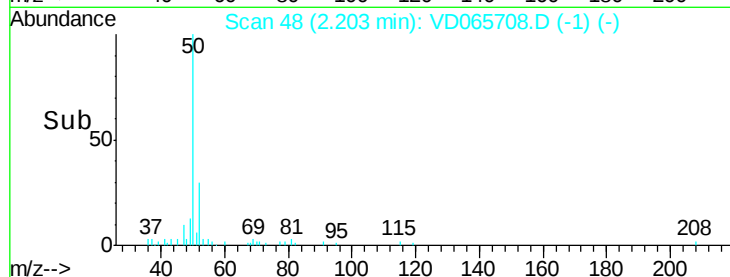
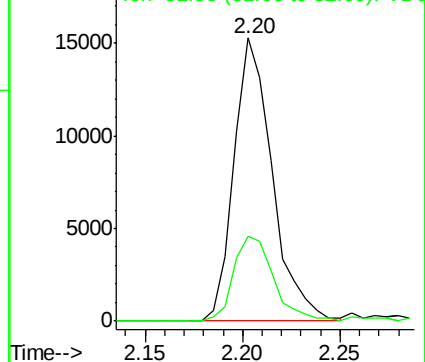
50 100

52 30.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.986 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065708.D

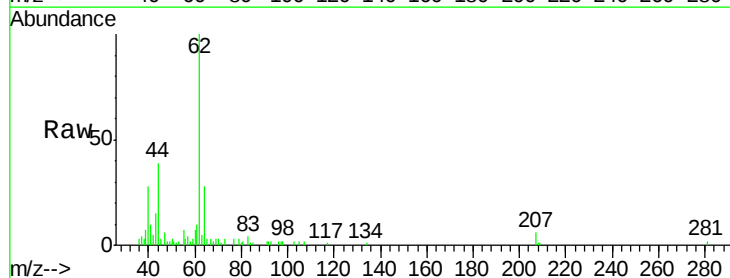
Acq: 07 May 2020 12:56

Tgt Ion: 62 Resp: 20558

Ion Ratio Lower Upper

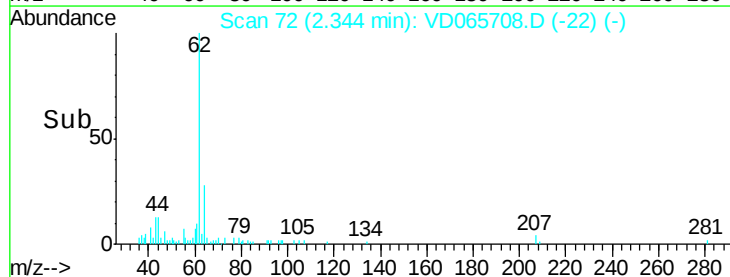
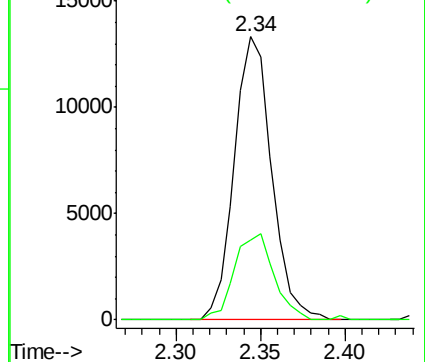
62 100

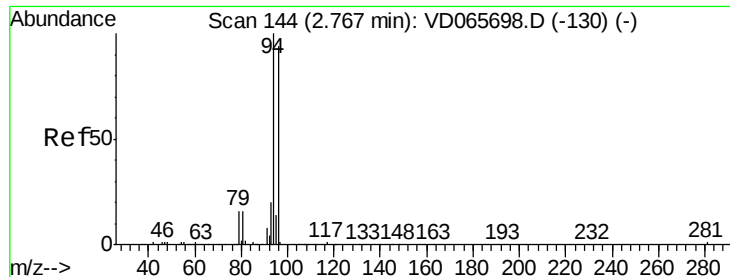
64 28.2 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.704 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

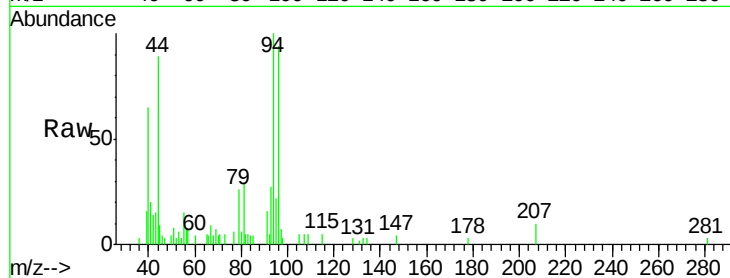
VD0308

Tot Ion: 94 Resp: 14844

Ion Ratio Lower Upper

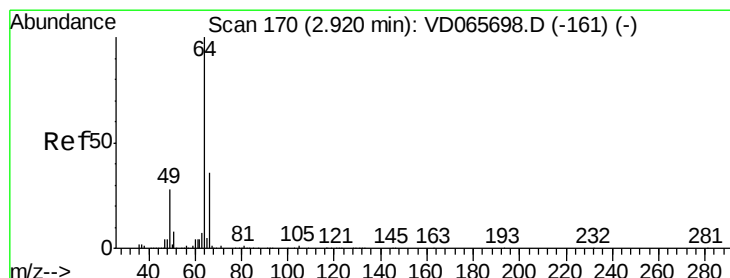
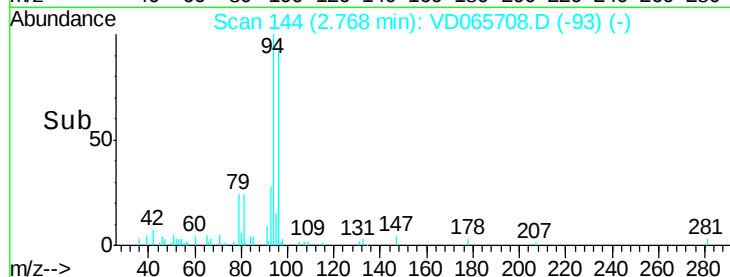
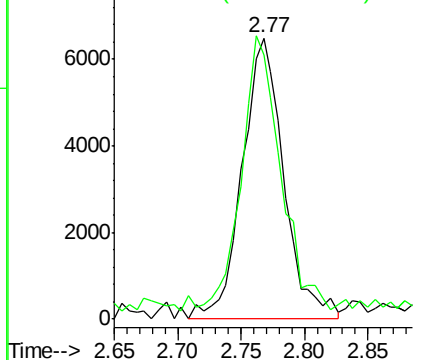
94 100

96 88.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.937 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065708.D

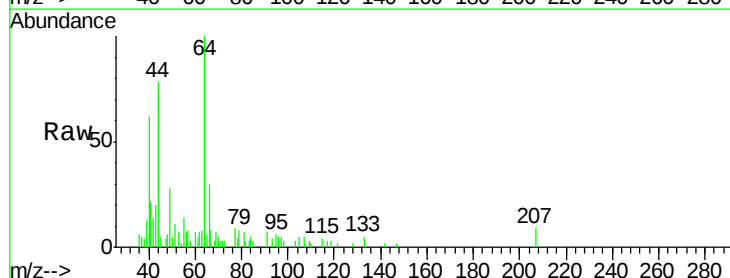
Acq: 07 May 2020 12:56

Tgt Ion: 64 Resp: 13077

Ion Ratio Lower Upper

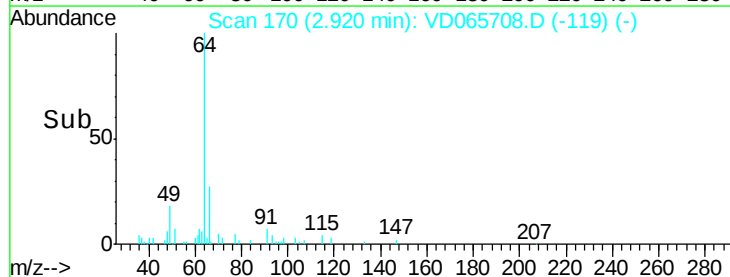
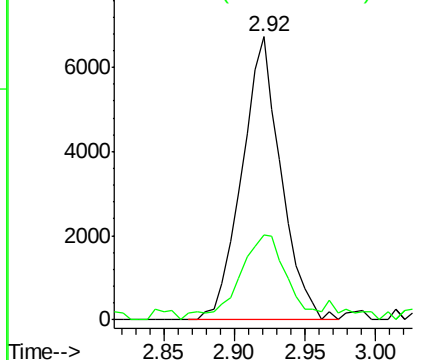
64 100

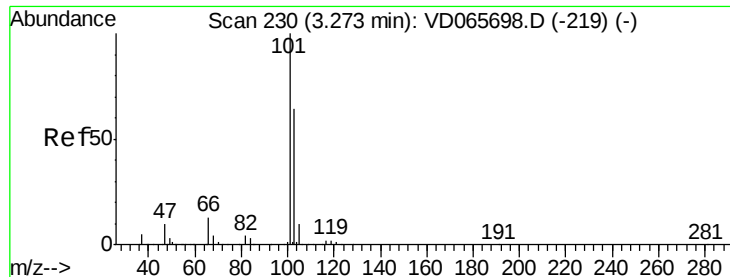
66 27.6 28.5 42.7#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



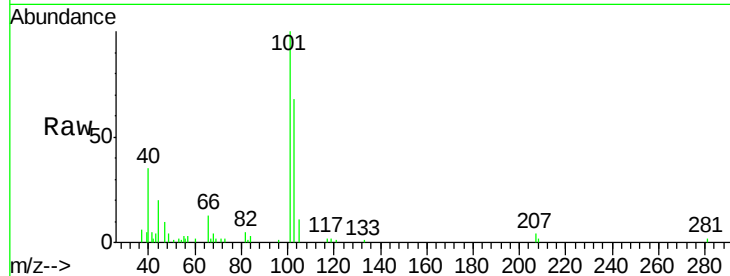


#7

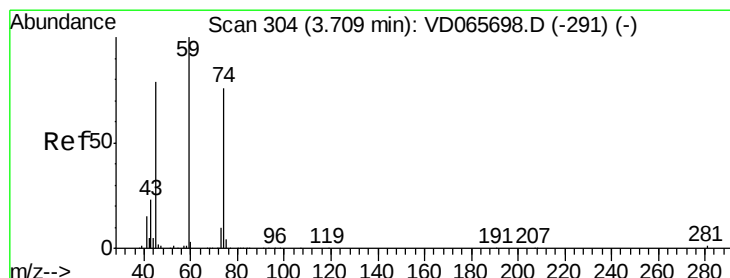
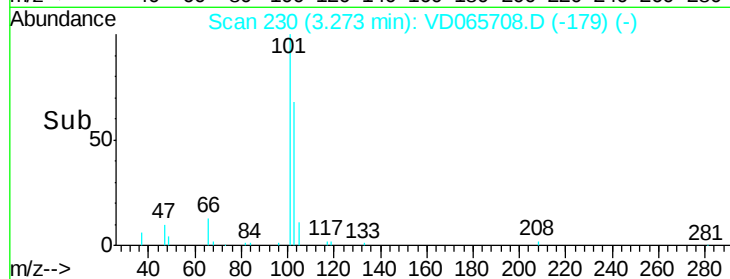
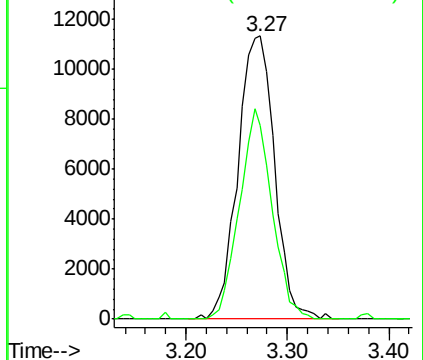
Trichlorofluoromethane  
 Concen: 4.316 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

Tot Ion:101 Resp: 28390  
 Ion Ratio Lower Upper  
 101 100  
 103 68.4 51.1 76.7



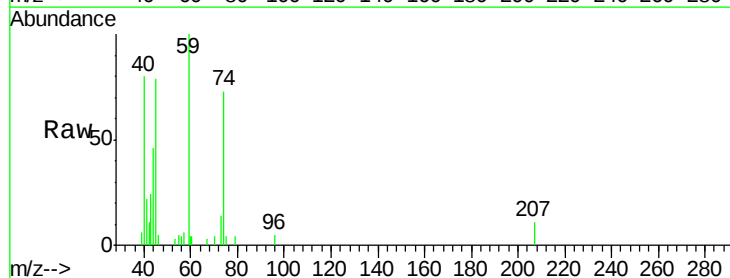
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



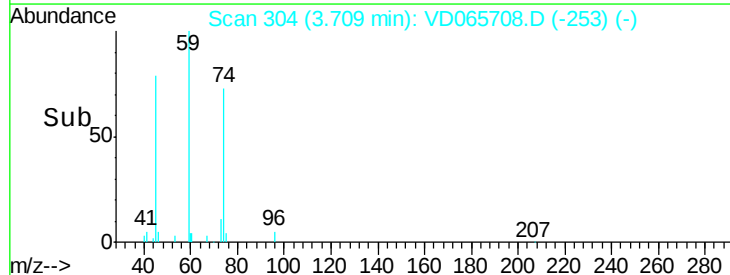
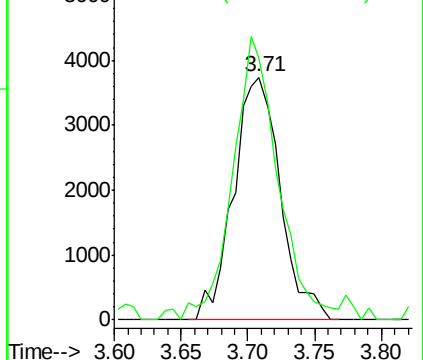
#8

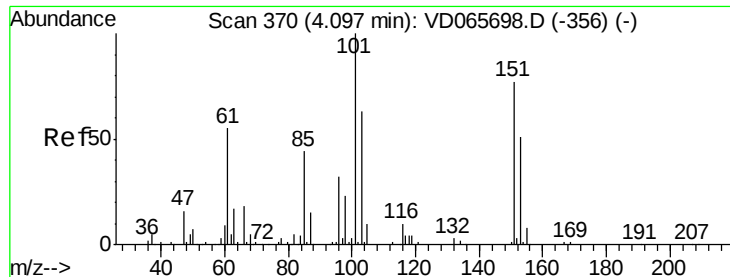
Diethyl Ether  
 Concen: 4.412 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 74 Resp: 9092  
 Ion Ratio Lower Upper  
 74 100  
 45 112.9 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VDC  
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.398 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

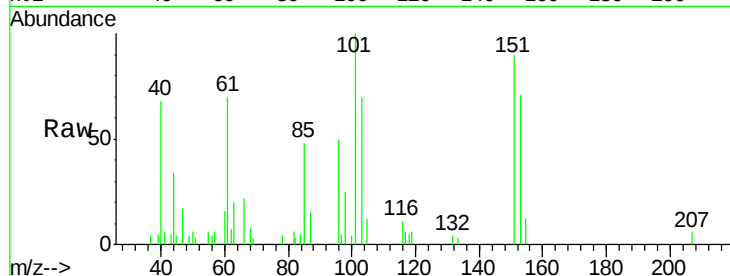
Tot Ion:101 Resp: 17562

Ion Ratio Lower Upper

101 100

85 44.1 34.4 51.6

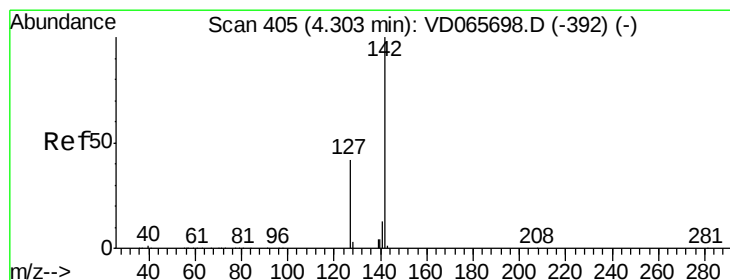
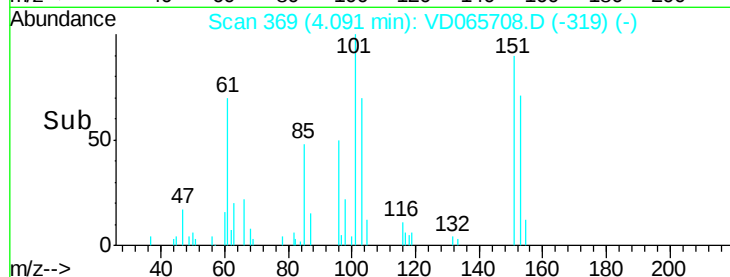
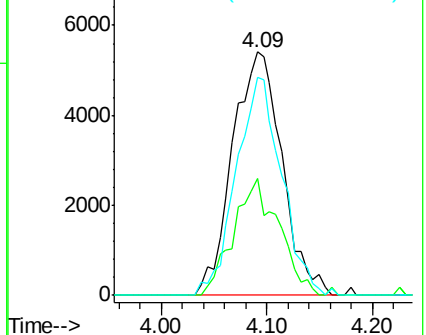
151 82.5 63.0 94.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.912 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

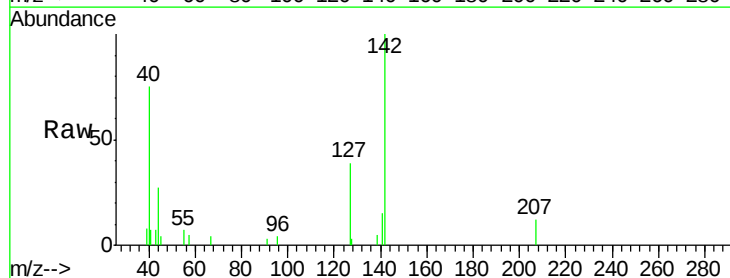
Tgt Ion:142 Resp: 15322

Ion Ratio Lower Upper

142 100

127 40.0 34.5 51.7

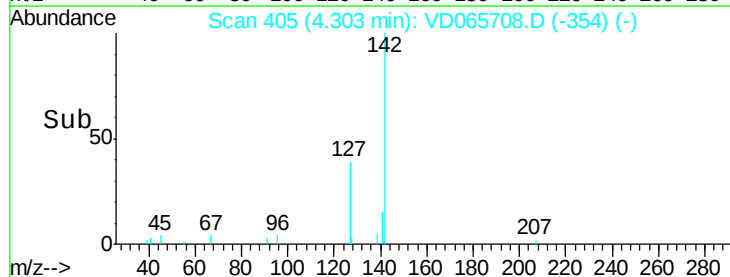
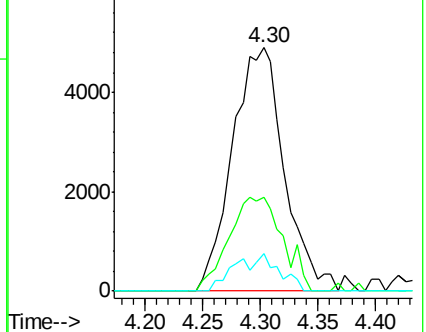
141 5.8 11.6 17.4#

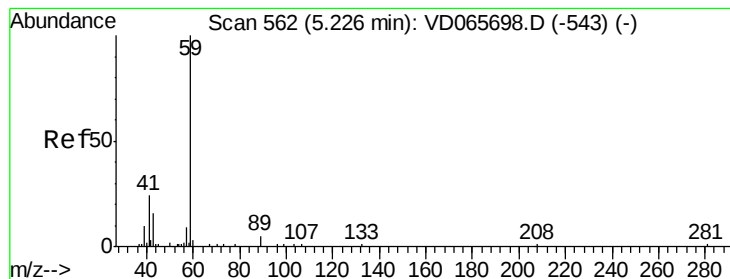


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



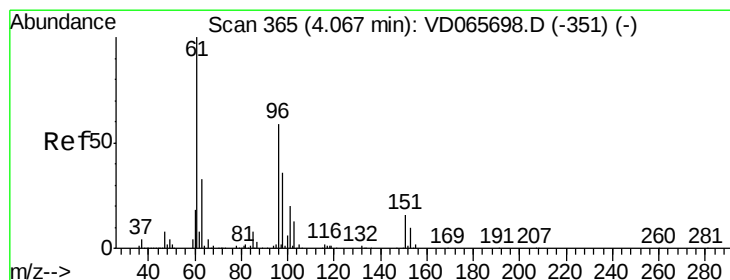
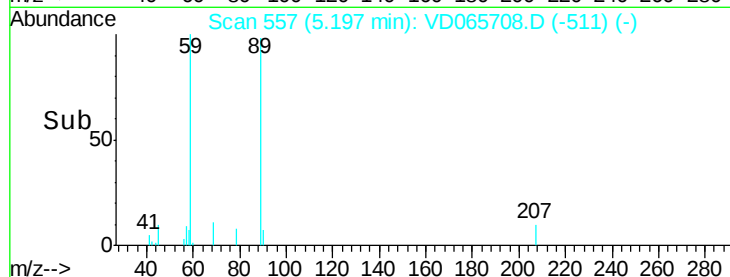
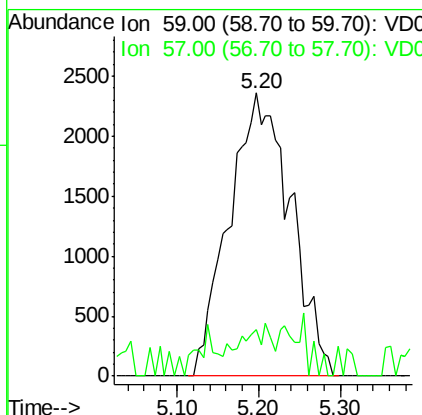
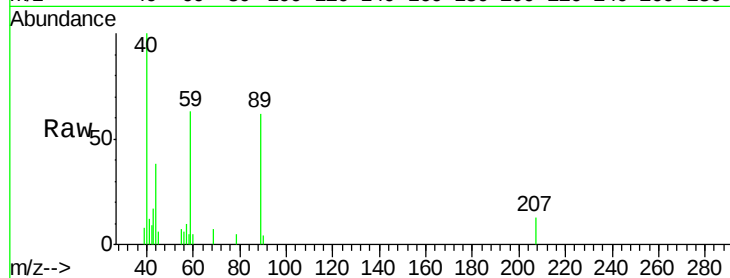


#11

Tert butyl alcohol  
 Concen: 33.453 ug/l  
 RT: 5.20 min Scan# 557  
 Delta R.T. -0.03 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0308

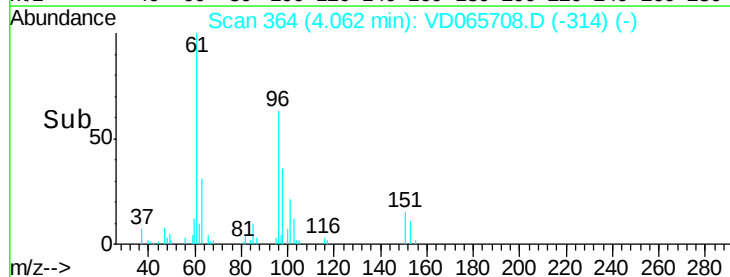
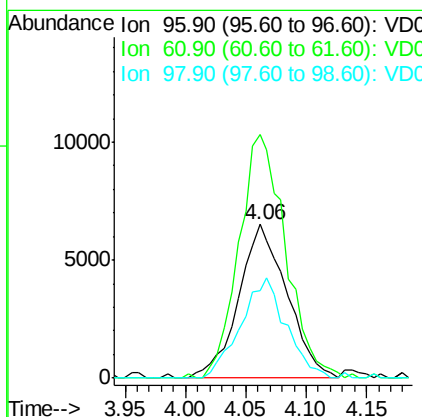
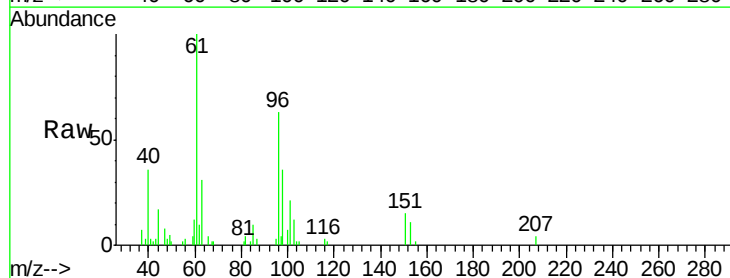
Tot Ion: 59 Resp: 12284  
 Ion Ratio Lower Upper  
 59 100  
 57 3.1 8.7 13.1#

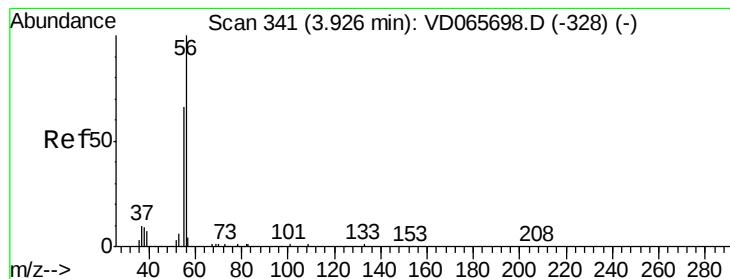


#12

1,1-Dichloroethene  
 Concen: 4.619 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 96 Resp: 18125  
 Ion Ratio Lower Upper  
 96 100  
 61 156.2 136.0 204.0  
 98 56.9 49.7 74.5





#13

Acrolein

Concen: 22.793 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

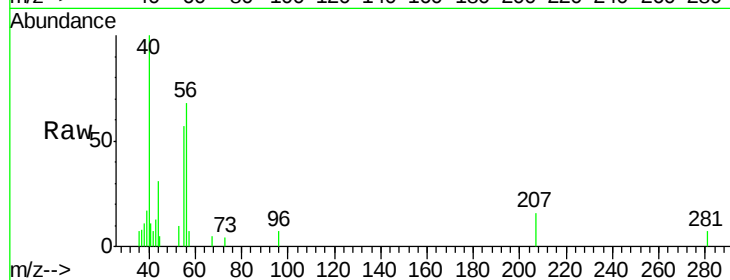
VD0308

Tot Ion: 56 Resp: 7718

Ion Ratio Lower Upper

56 100

55 61.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3000

2500

2000

1500

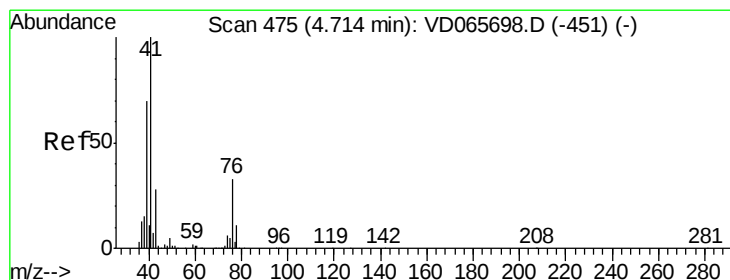
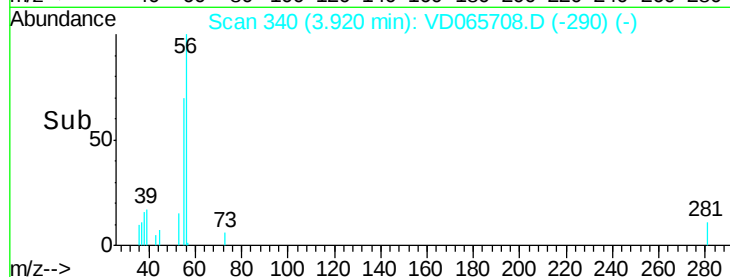
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 3.962 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

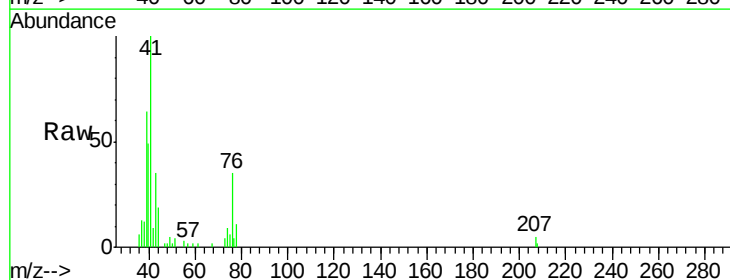
Tgt Ion: 41 Resp: 30992

Ion Ratio Lower Upper

41 100

39 68.3 55.6 83.4

76 34.6 25.6 38.4



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

12000

10000

8000

6000

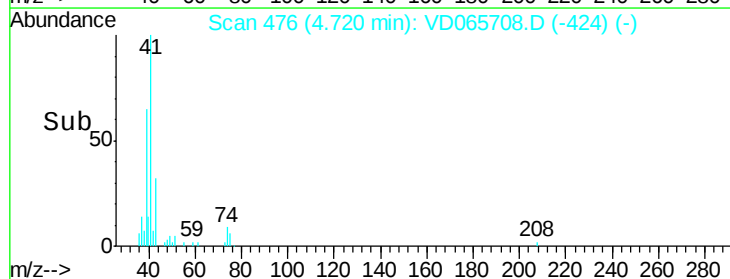
4000

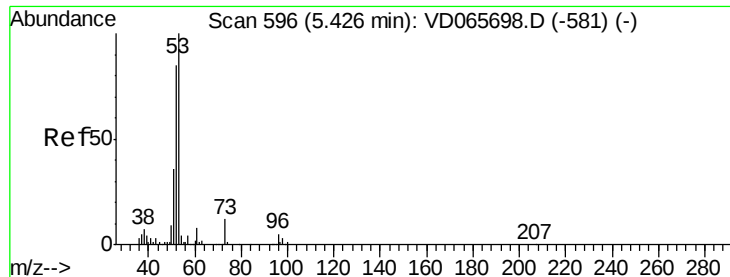
2000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 19.861 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

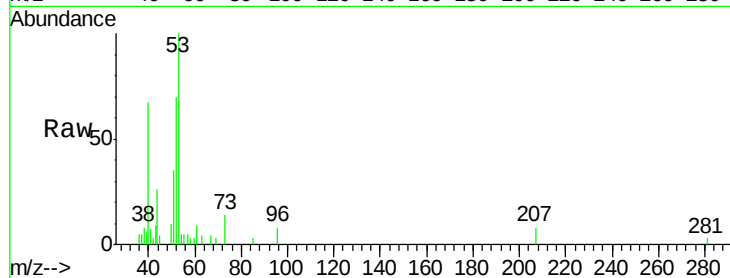
Tot Ion: 53 Resp: 19242

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

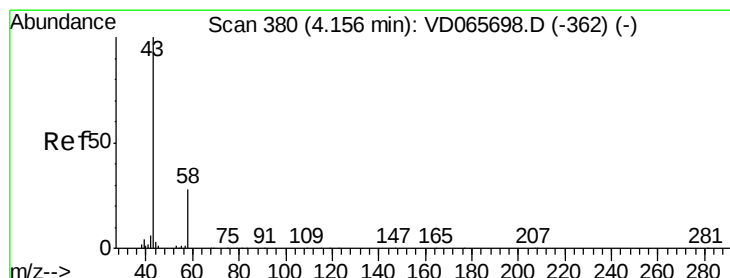
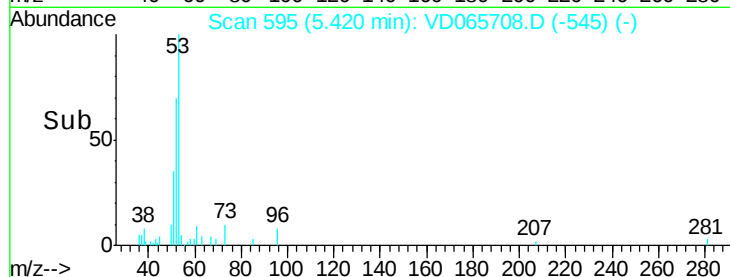
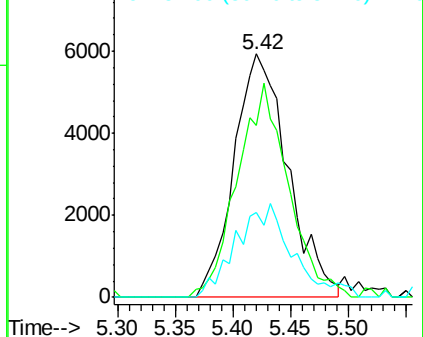
51 20.9 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 19.696 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065708.D

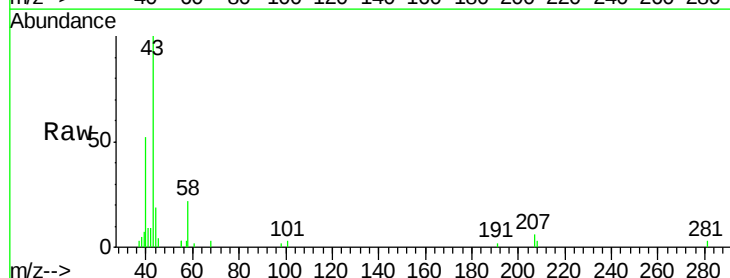
Acq: 07 May 2020 12:56

Tgt Ion: 43 Resp: 17329

Ion Ratio Lower Upper

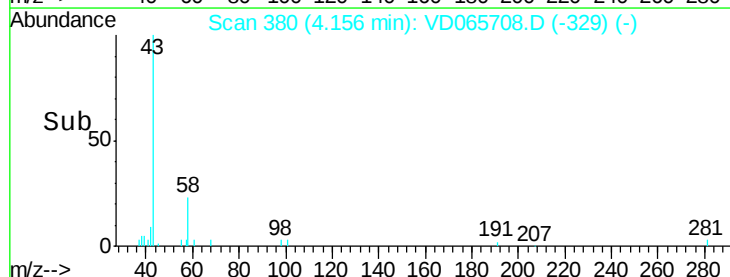
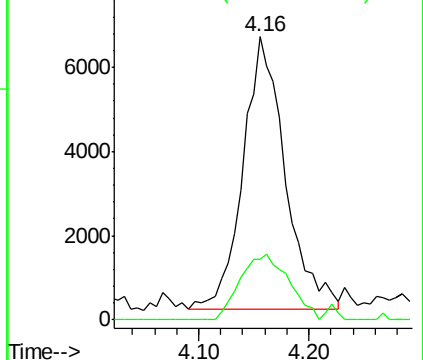
43 100

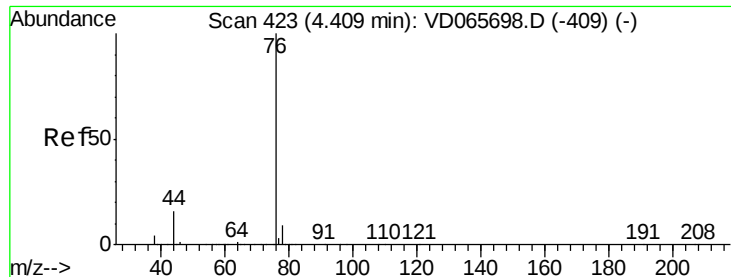
58 22.5 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

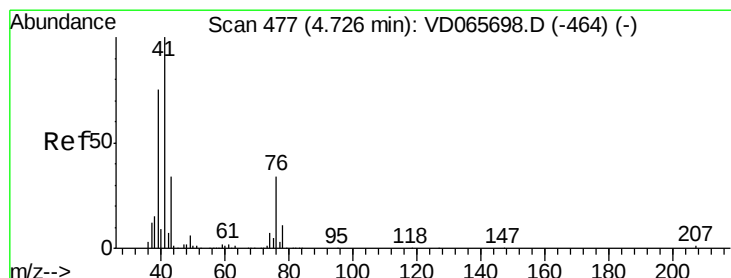
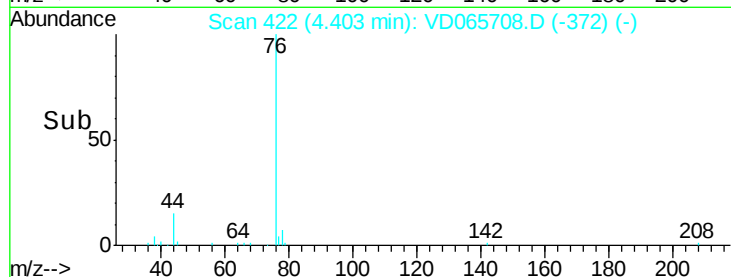
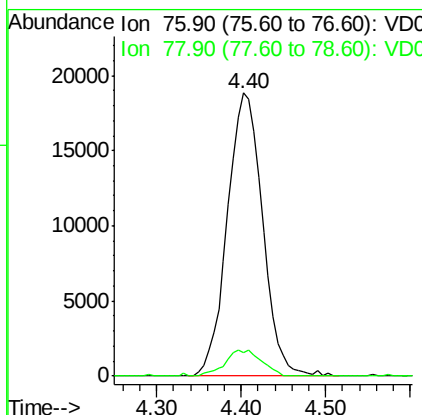
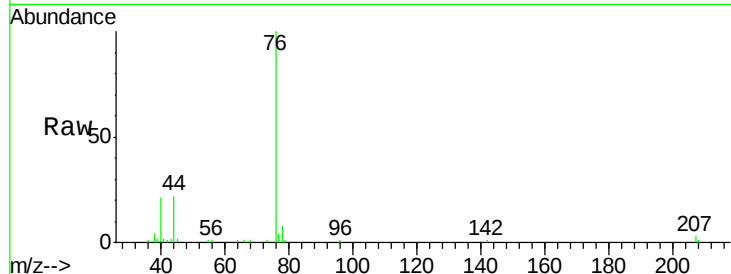




#17  
Carbon Disulfide  
Concen: 4.219 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

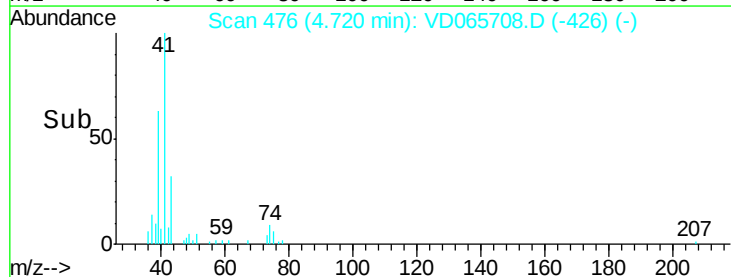
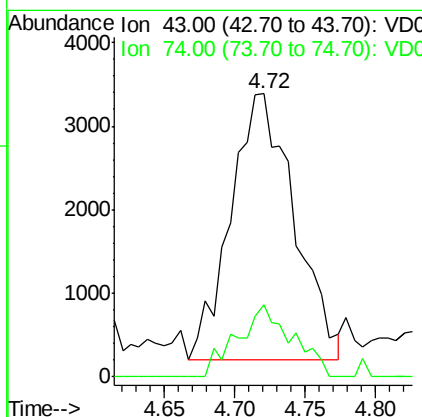
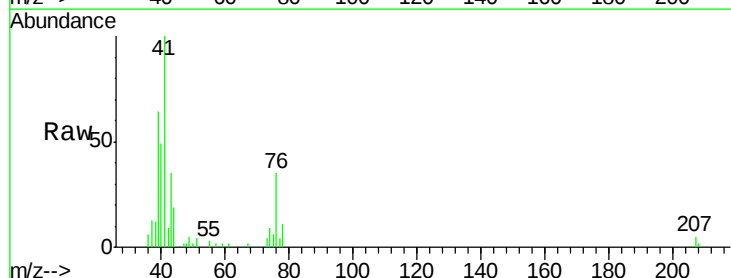
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

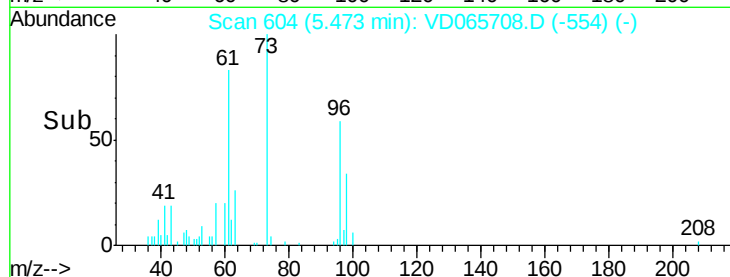
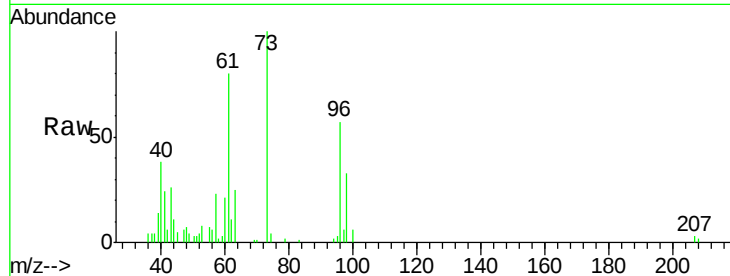
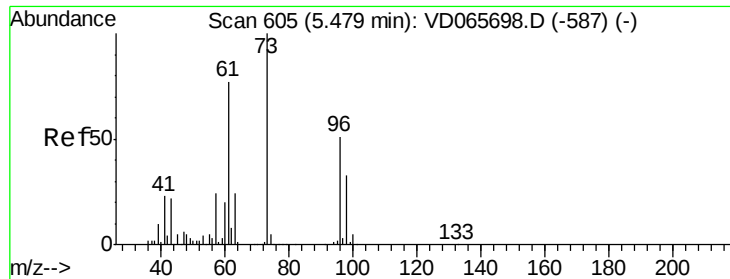
Tot Ion: 76 Resp: 54444  
Ion Ratio Lower Upper  
76 100  
78 8.1 6.8 10.2



#18  
Methyl Acetate  
Concen: 4.573 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 43 Resp: 10005  
Ion Ratio Lower Upper  
43 100  
74 23.4 17.1 25.7

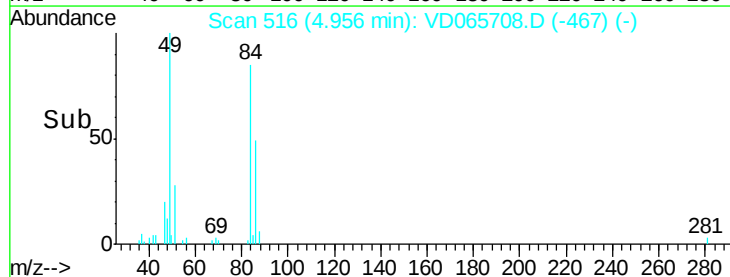
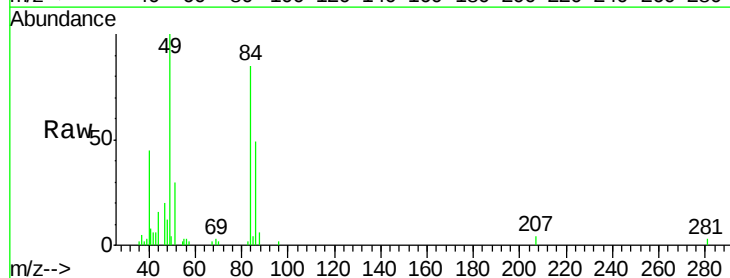
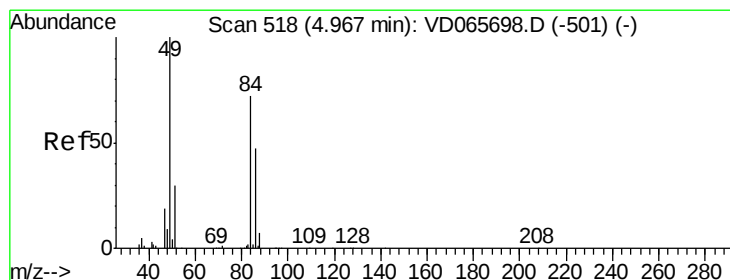
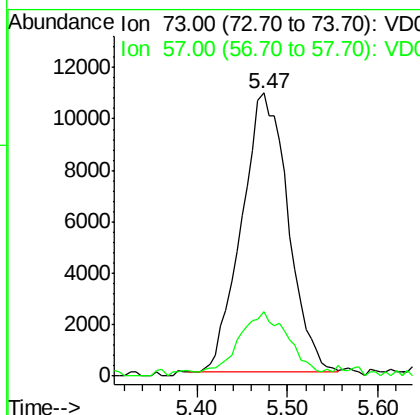




#19  
Methyl tert-butyl Ether  
Concen: 4.079 ug/l  
RT: 5.47 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

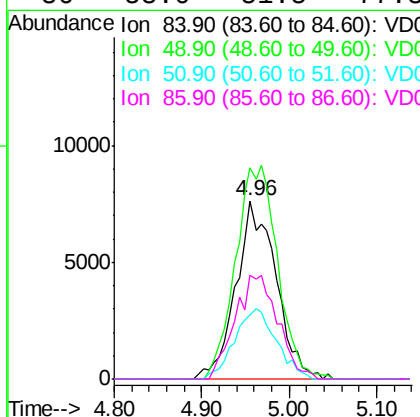
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

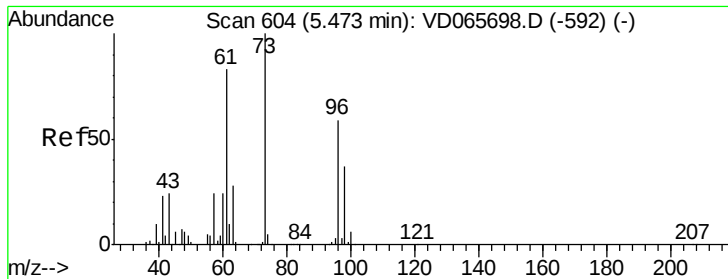
Tot Ion: 73 Resp: 38810  
Ion Ratio Lower Upper  
73 100  
57 20.7 19.4 29.0



#20  
Methylene Chloride  
Concen: 5.322 ug/l  
RT: 4.96 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 84 Resp: 23588  
Ion Ratio Lower Upper  
84 100  
49 118.1 110.4 165.6  
51 35.7 33.4 50.2  
86 58.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 4.413 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

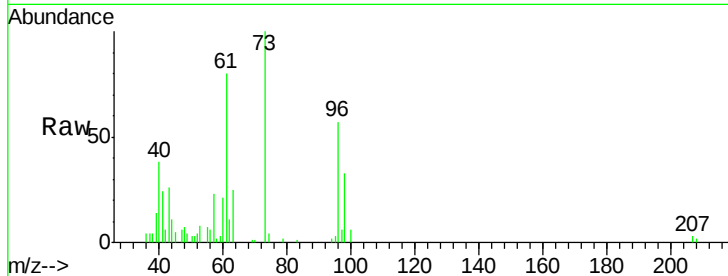
Tot Ion: 96 Resp: 19826

Ion Ratio Lower Upper

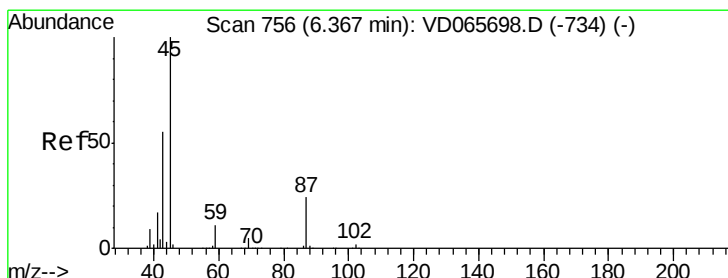
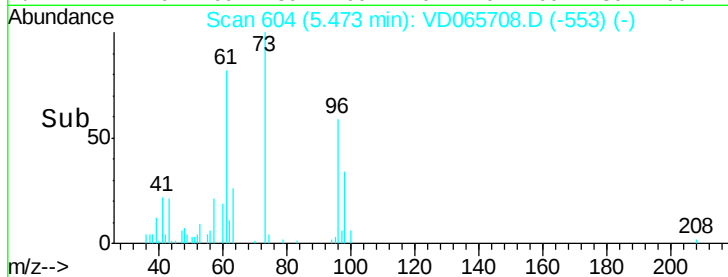
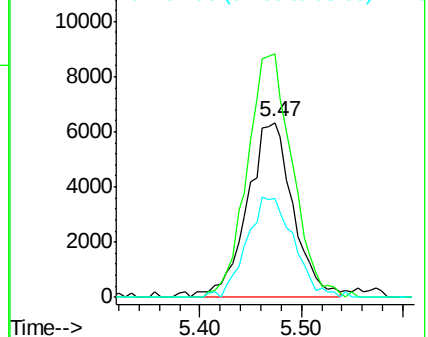
96 100

61 139.5 113.0 169.4

98 56.7 49.5 74.3



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 3.966 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Tgt Ion: 45 Resp: 57696

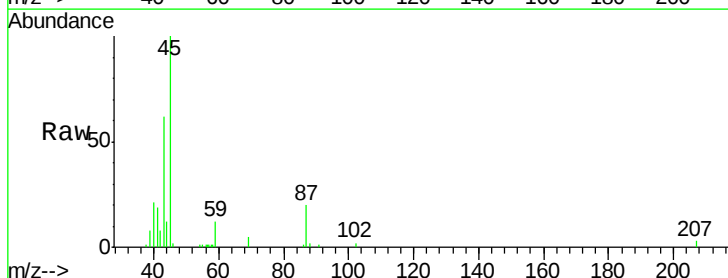
Ion Ratio Lower Upper

45 100

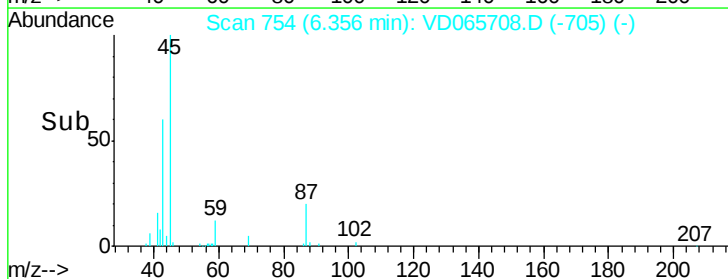
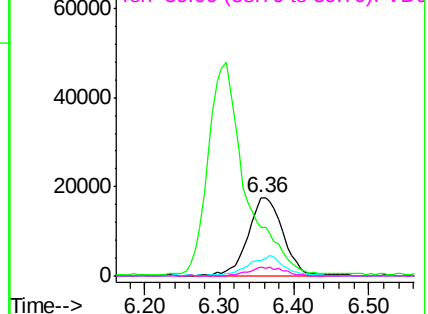
43 58.1 44.2 66.4

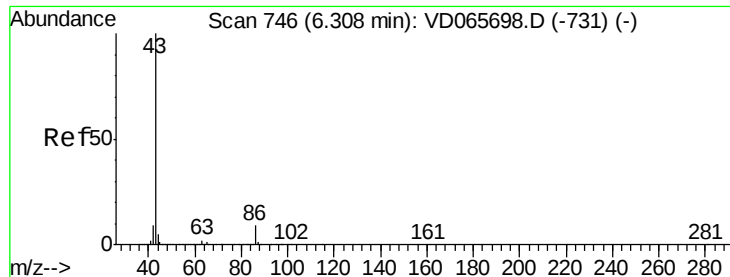
87 19.8 19.0 28.4

59 12.3 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 59.00 (58.70 to 59.70): VDC

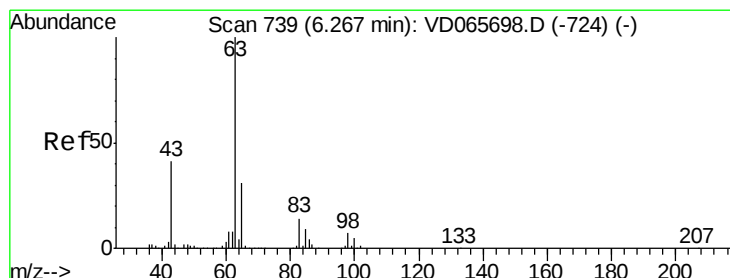
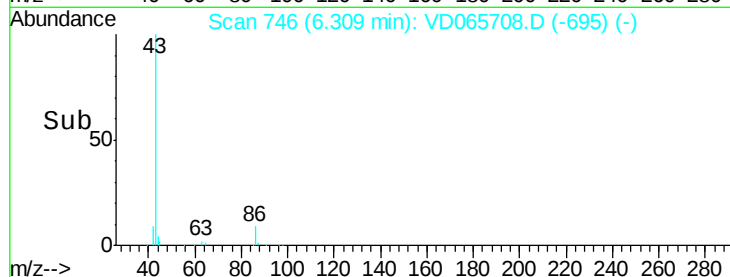
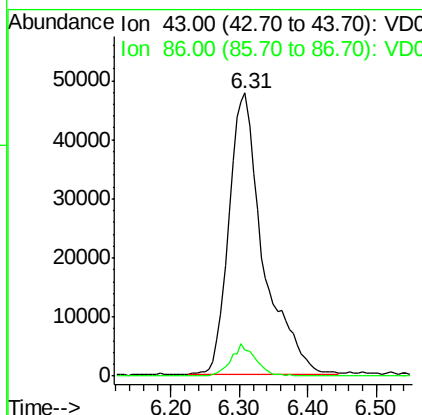
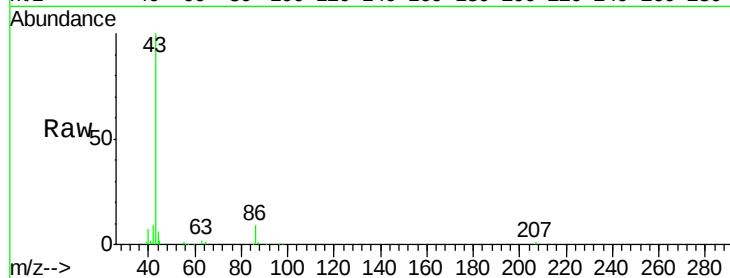




#23  
 Vinyl Acetate  
 Concen: 18.872 ug/l  
 RT: 6.31 min Scan# 746  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

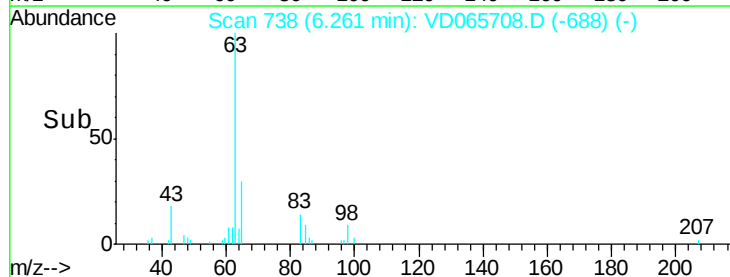
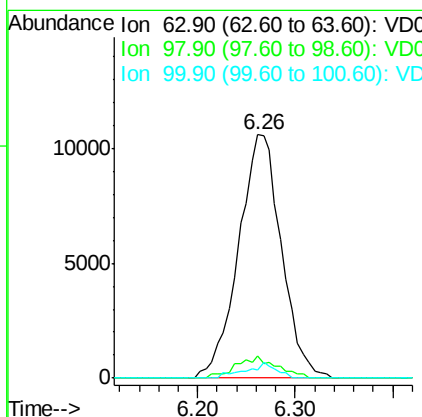
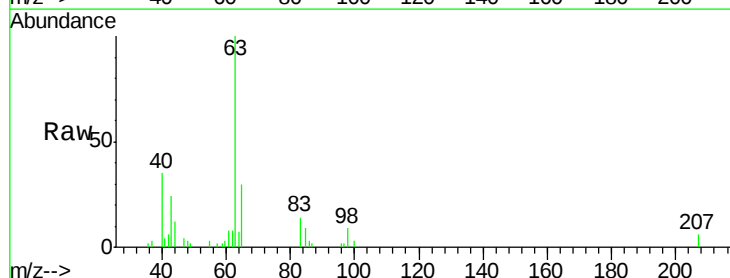
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD0308

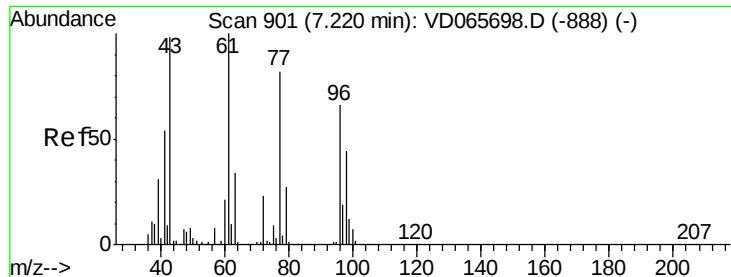
Tot Ion: 43 Resp: 165827  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 7.4 11.0



#24  
 1,1-Dichloroethane  
 Concen: 4.084 ug/l  
 RT: 6.26 min Scan# 738  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 63 Resp: 32551  
 Ion Ratio Lower Upper  
 63 100  
 98 8.9 3.4 10.2  
 100 3.3 2.3 6.9

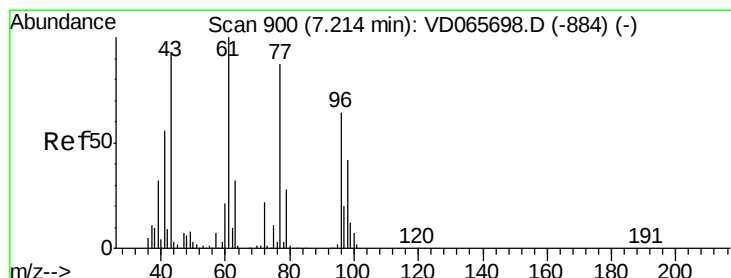
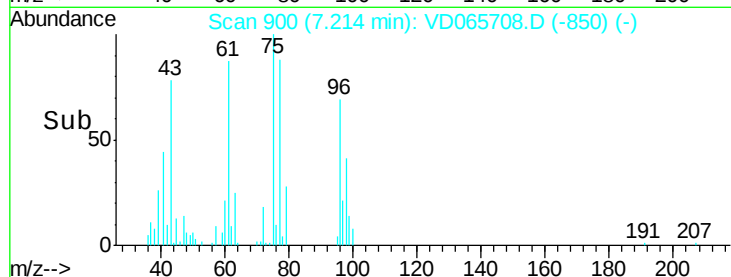
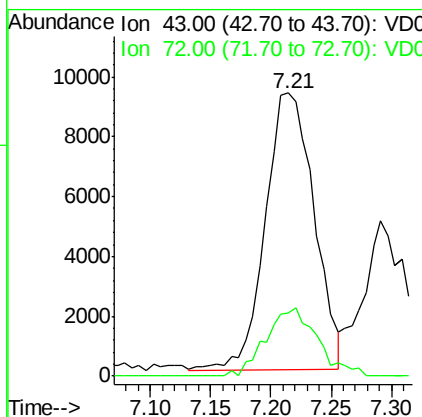
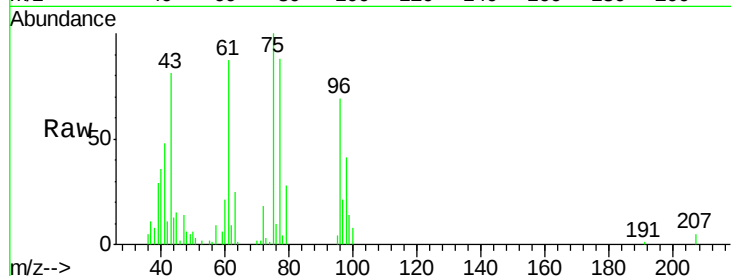




#25  
2-Butanone  
Concen: 19.784 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

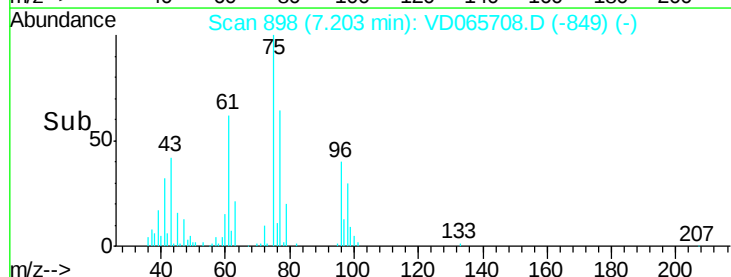
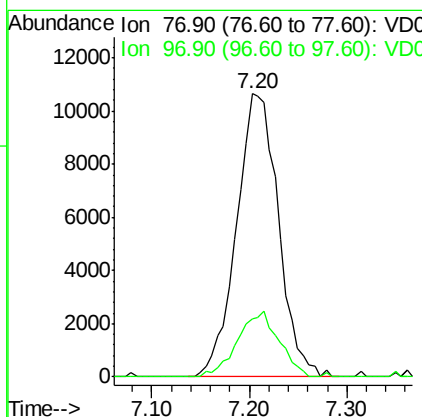
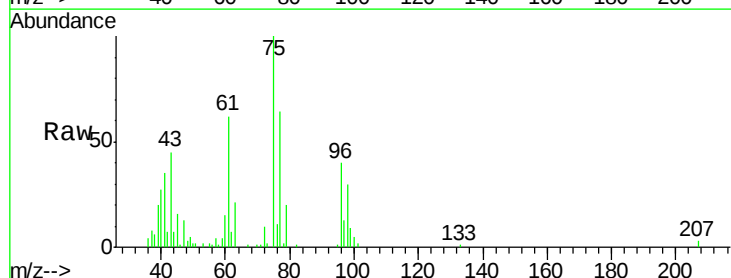
Instrument :  
MSVOA\_D  
ClientSampleID :  
VD0308

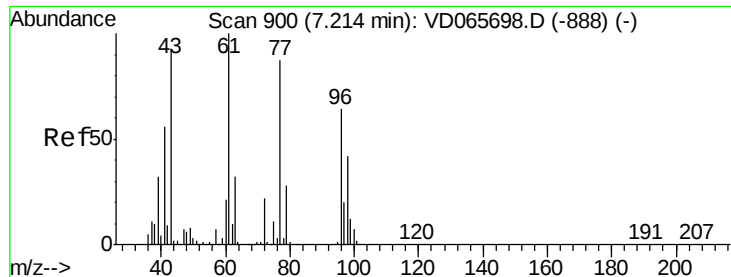
Tot Ion: 43 Resp: 25820  
Ion Ratio Lower Upper  
43 100  
72 23.2 19.2 28.8



#26  
2,2-Dichloropropane  
Concen: 4.428 ug/l  
RT: 7.20 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 77 Resp: 31773  
Ion Ratio Lower Upper  
77 100  
97 22.8 11.3 33.9

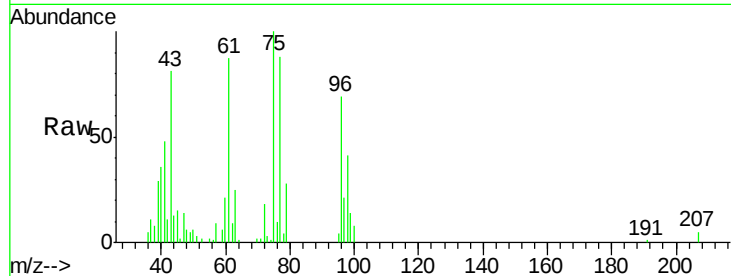




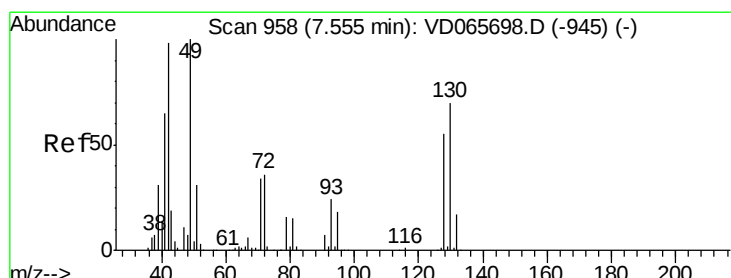
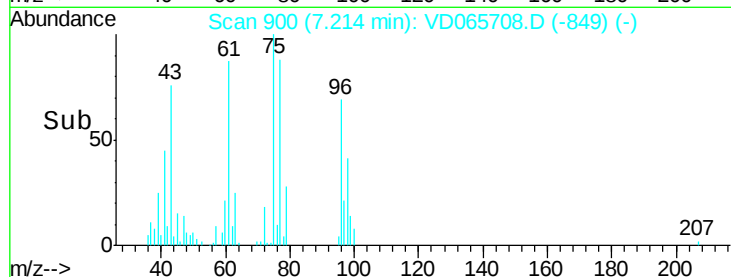
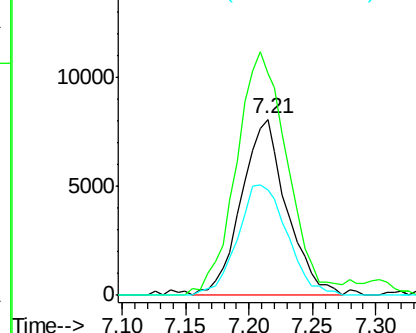
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.134 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD0308

Tot Ion: 96 Resp: 20154  
 Ion Ratio Lower Upper  
 96 100  
 61 155.6 0.0 306.6  
 98 68.2 0.0 129.4

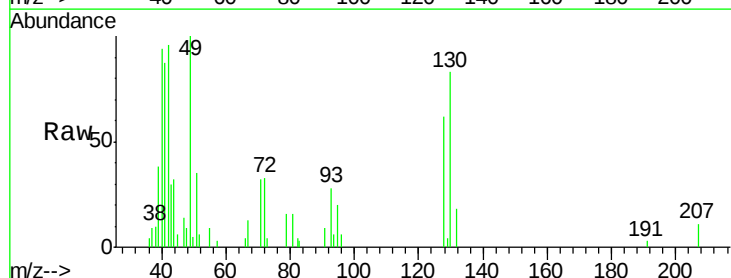


Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC

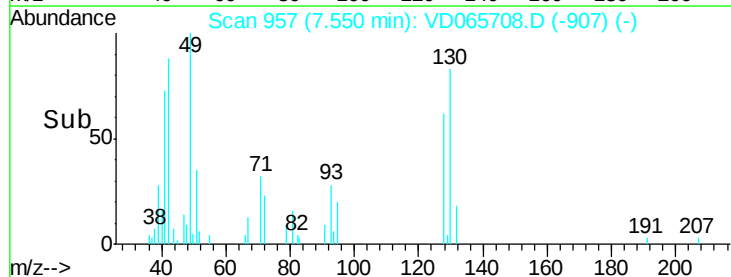
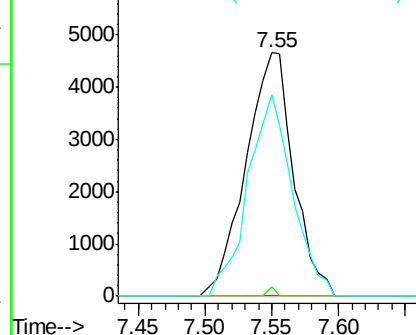


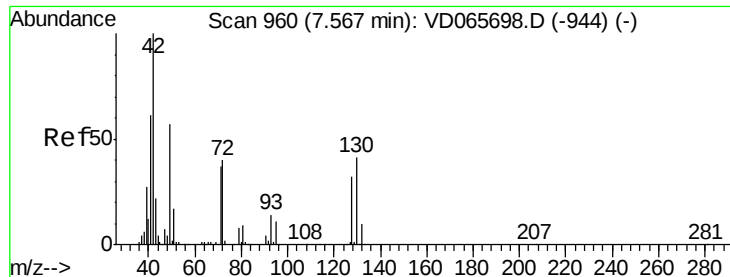
#28  
 Bromochloromethane  
 Concen: 3.460 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 49 Resp: 11501  
 Ion Ratio Lower Upper  
 49 100  
 129 0.6 0.0 3.8  
 130 77.5 56.4 84.6



Abundance Ion 48.90 (48.60 to 49.60): VDC  
 Ion 128.80 (128.50 to 129.50): VDC  
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 20.135 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

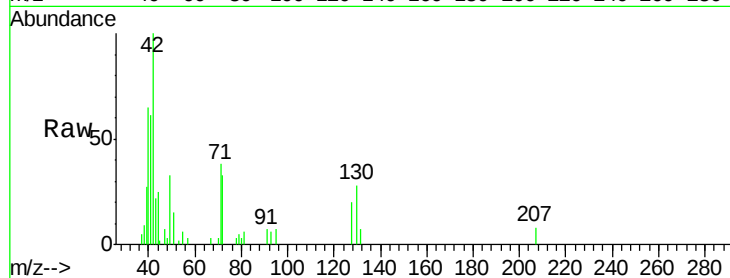
Tot Ion: 42 Resp: 16937

Ion Ratio Lower Upper

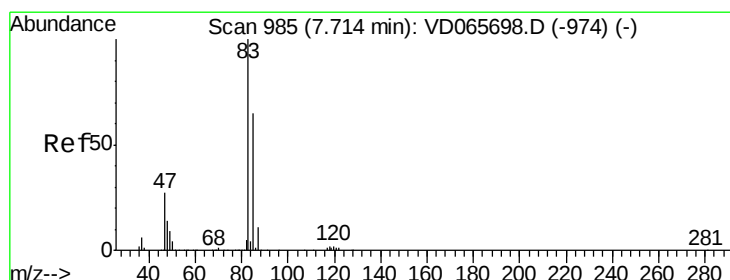
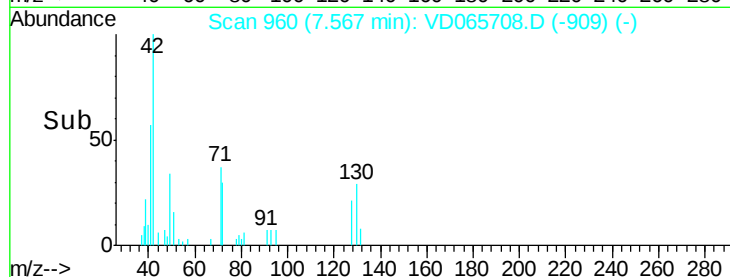
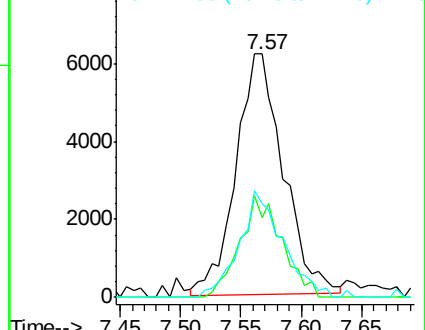
42 100

72 37.1 30.4 45.6

71 40.3 28.0 42.0



Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.151 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065708.D

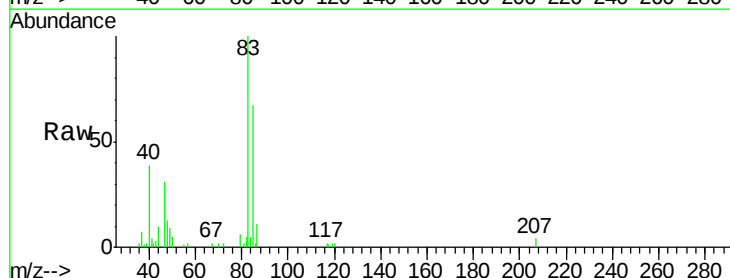
Acq: 07 May 2020 12:56

Tgt Ion: 83 Resp: 31832

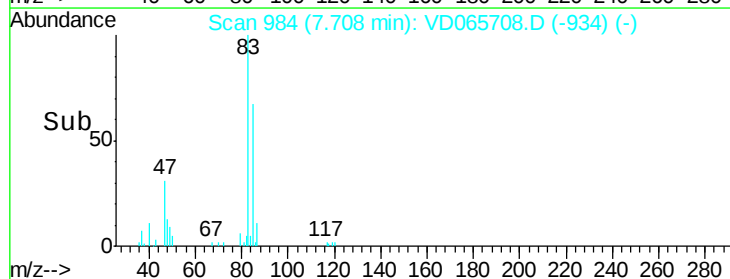
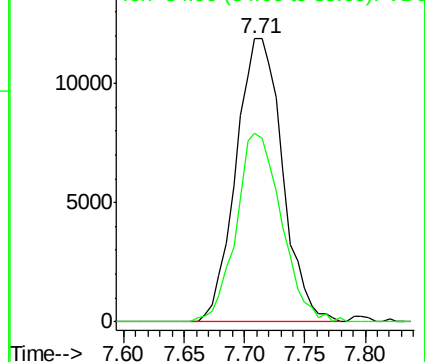
Ion Ratio Lower Upper

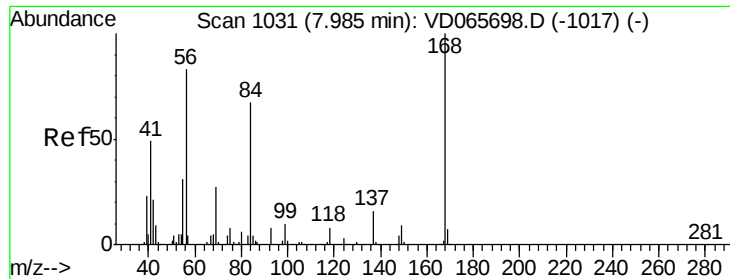
83 100

85 66.8 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC

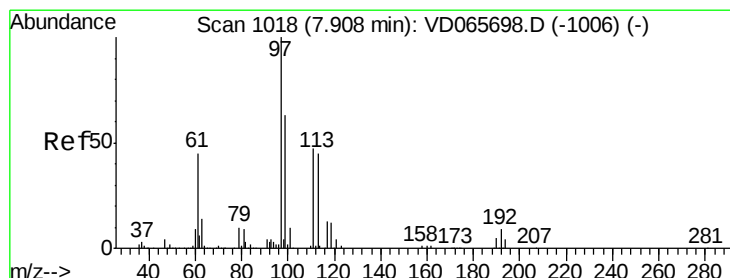
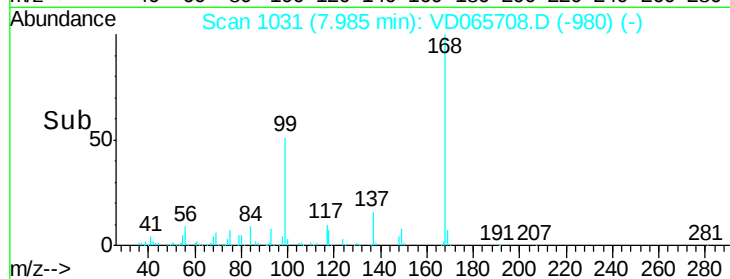
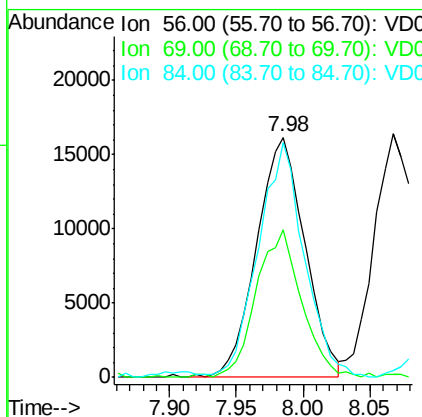
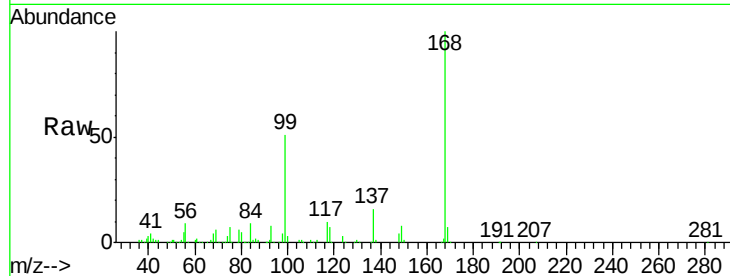




#31  
Cyclohexane  
Concen: 4.914 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

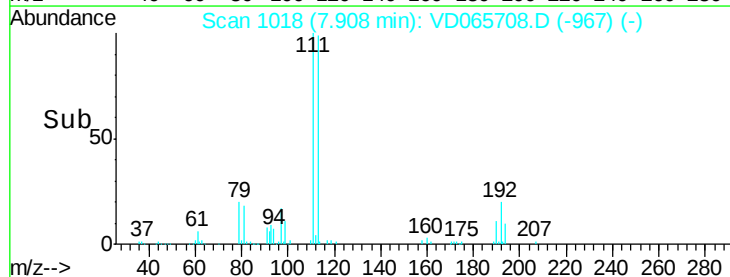
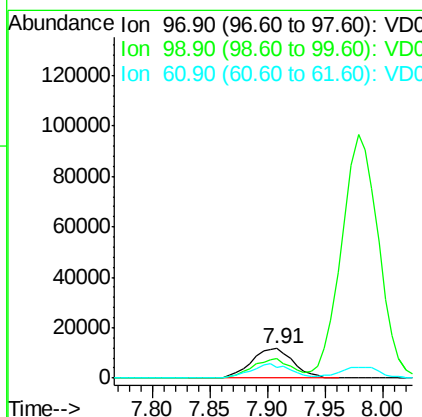
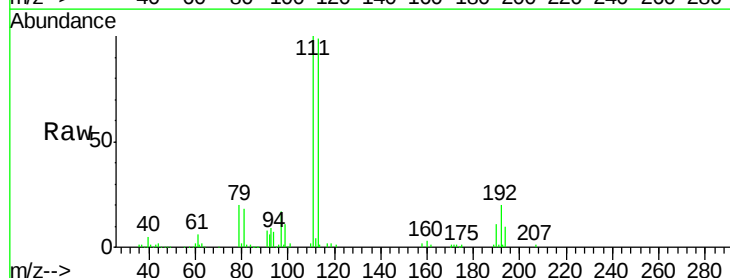
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

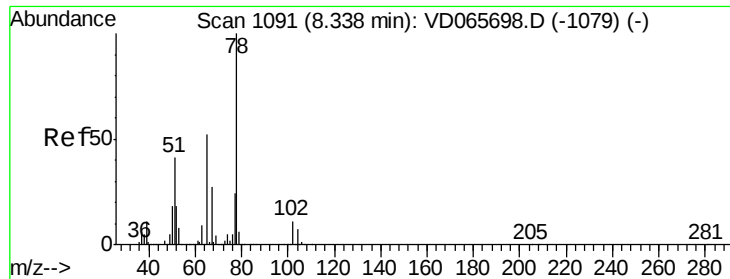
| Tot Ion | 56    | Resp  | 40520 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 56      | 100   |       |       |
| 69      | 61.6  | 26.3  | 39.5# |
| 84      | 95.4  | 64.5  | 96.7  |



#32  
1,1,1-Trichloroethane  
Concen: 4.228 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

| Tgt Ion | 97    | Resp  | 30060 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 99      | 60.8  | 50.8  | 76.2  |
| 61      | 44.1  | 36.0  | 54.0  |

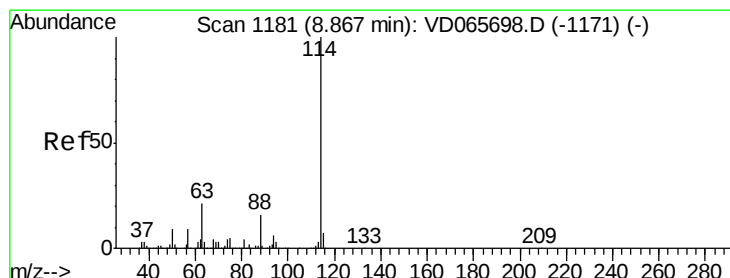
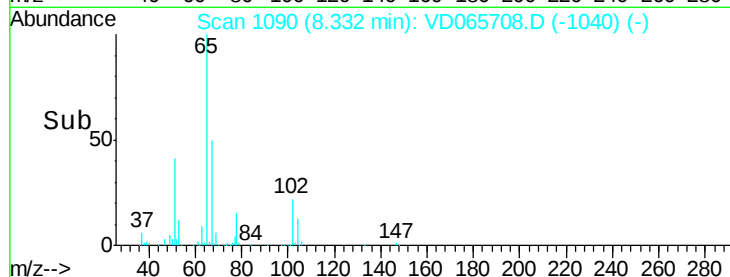
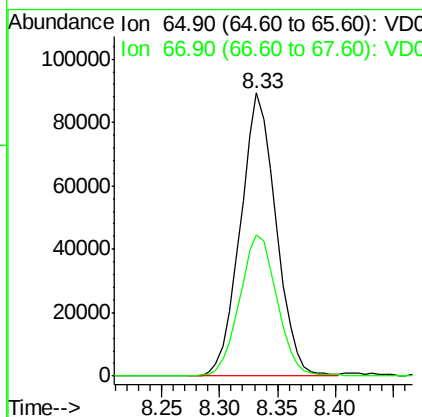
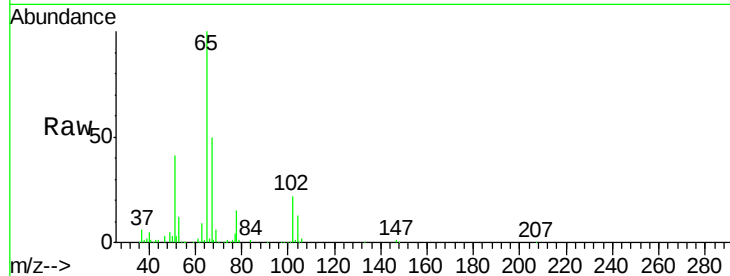




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.557 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

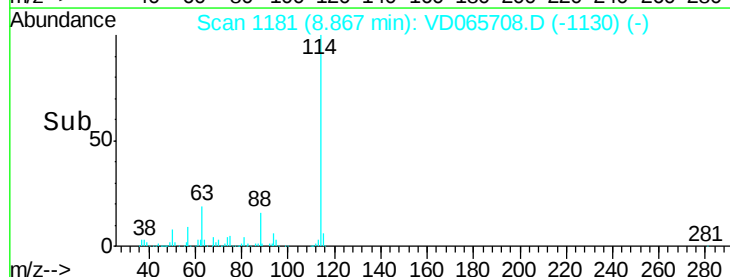
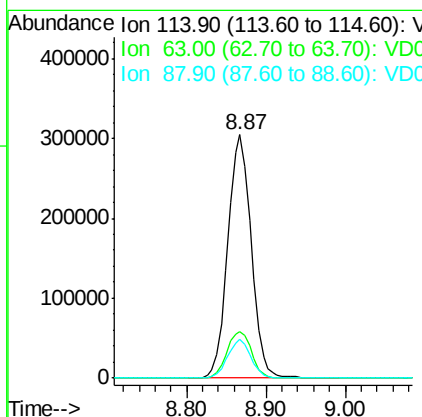
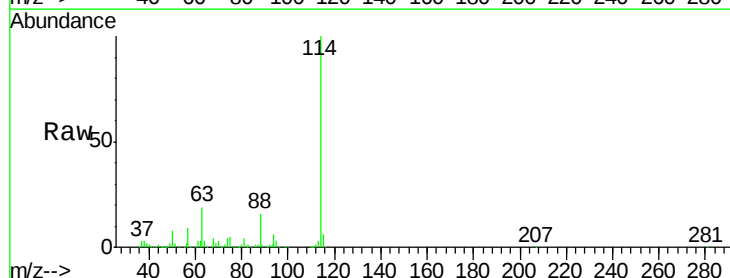
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0308

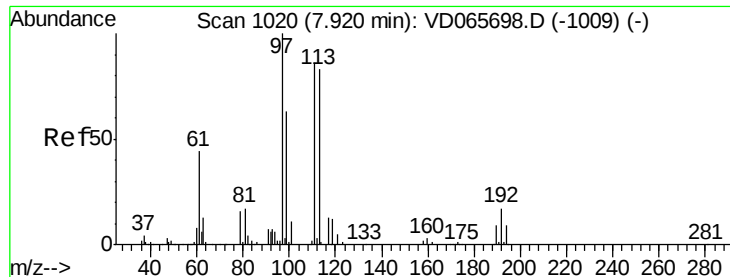
Tot Ion: 65 Resp: 191862  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 114 Resp: 621418  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 42.4  
 88 15.7 0.0 32.6

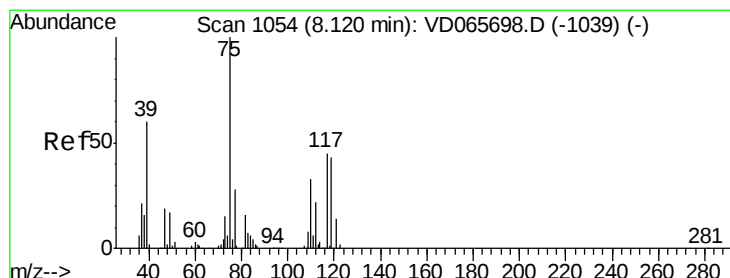
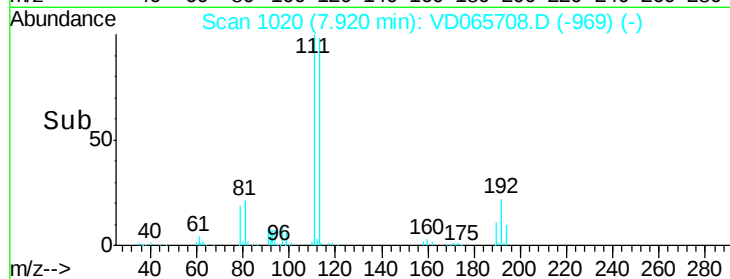
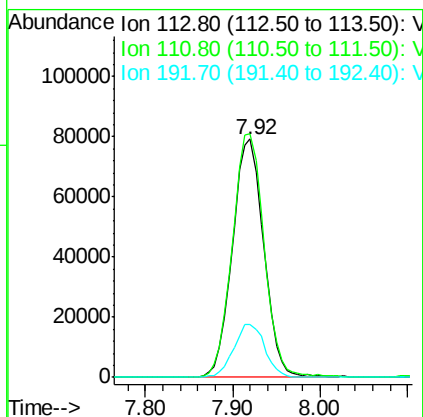
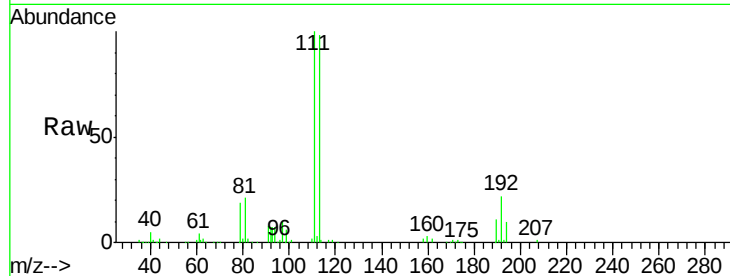




#35  
 Dibromofluoromethane  
 Concen: 49.561 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

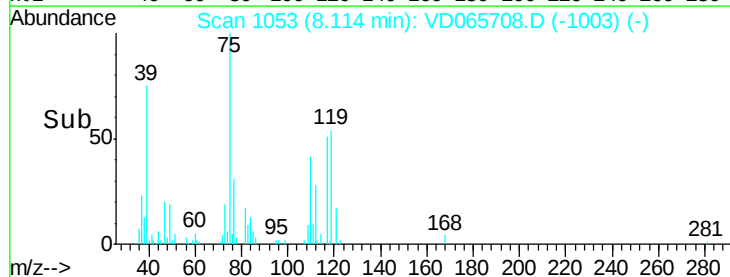
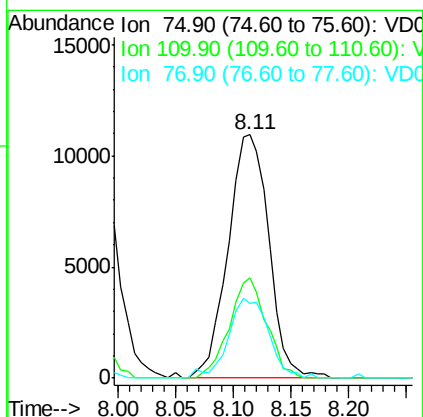
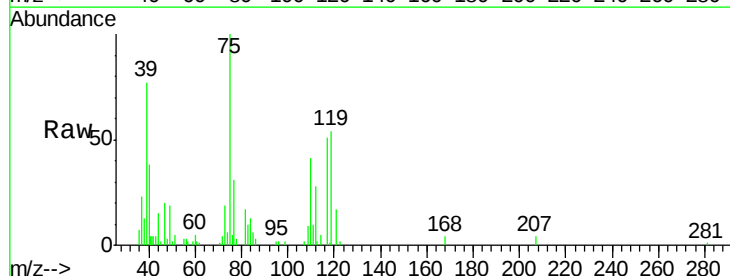
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

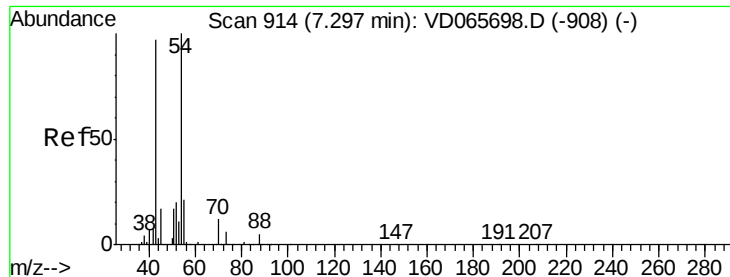
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 82.7  | 124.1 |
| 192     | 22.1  | 17.0  | 25.4  |



#36  
 1,1-Dichloropropene  
 Concen: 4.350 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.6  | 17.2  | 51.6  |
| 77      | 32.4  | 23.7  | 35.5  |

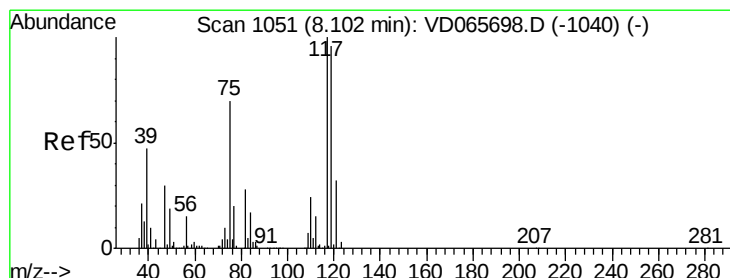
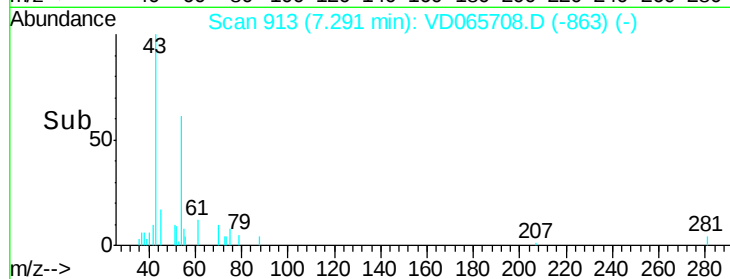
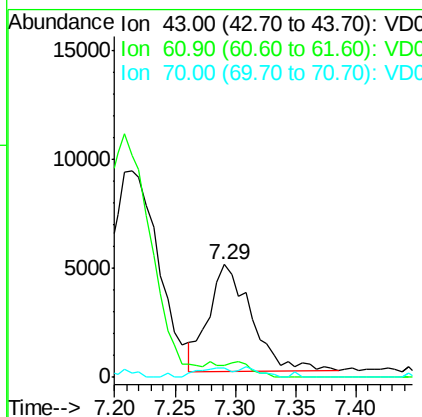
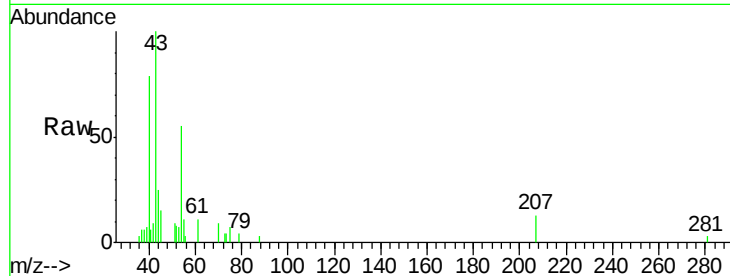




#37  
Ethyl Acetate  
Concen: 4.015 ug/l  
RT: 7.29 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

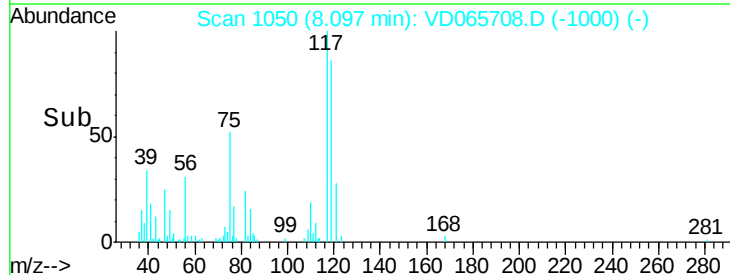
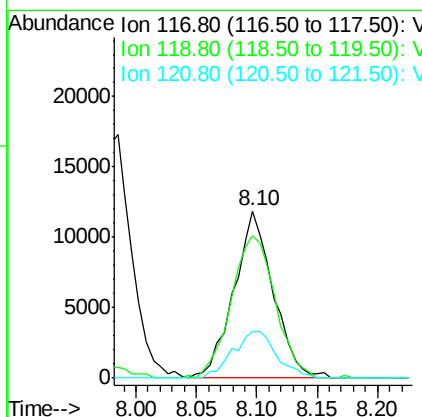
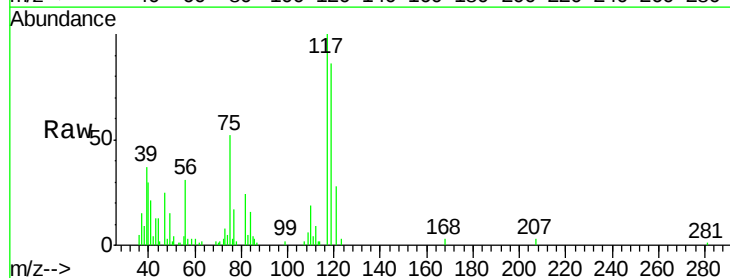
Instrument :  
MSVOA\_D  
ClientSampled :  
VD0308

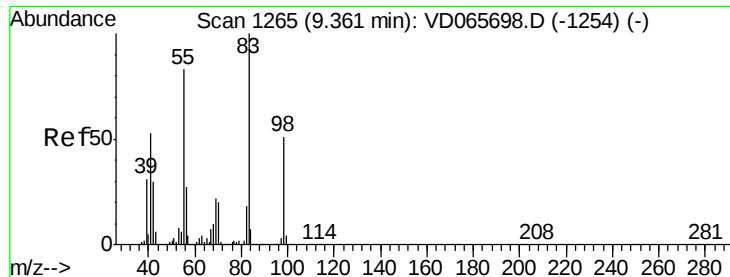
Tot Ion: 43 Resp: 11932  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.9 14.9#  
70 6.8 7.3 10.9#



#38  
Carbon Tetrachloride  
Concen: 4.406 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 117 Resp: 26958  
Ion Ratio Lower Upper  
117 100  
119 85.6 77.1 115.7  
121 28.0 25.5 38.3

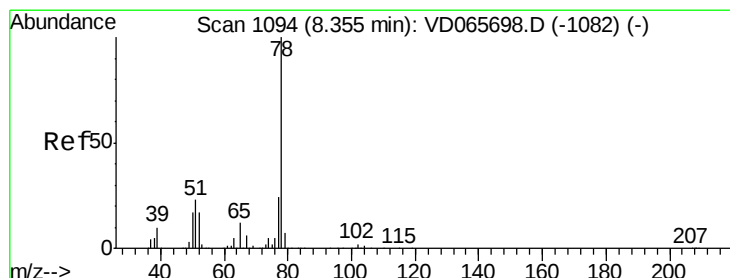
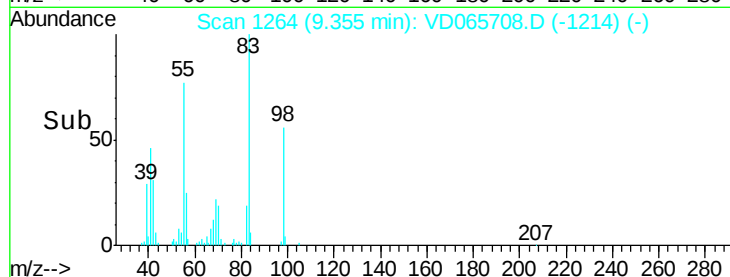
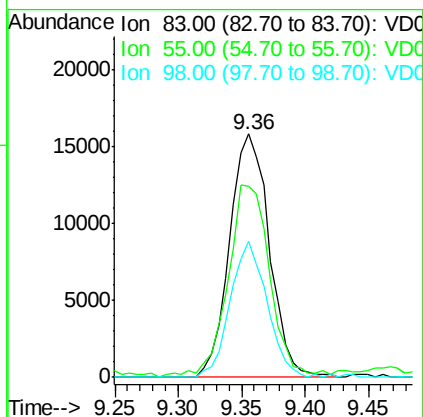
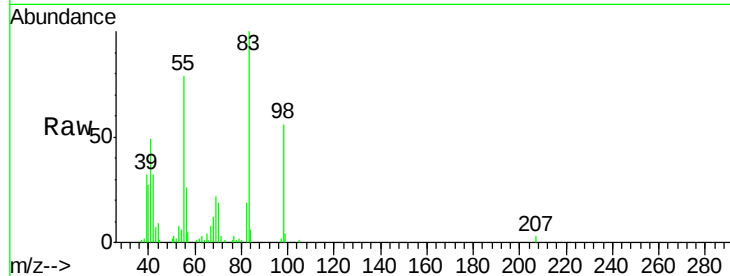




#39  
Methvlcvclohexane  
Concen: 4.433 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

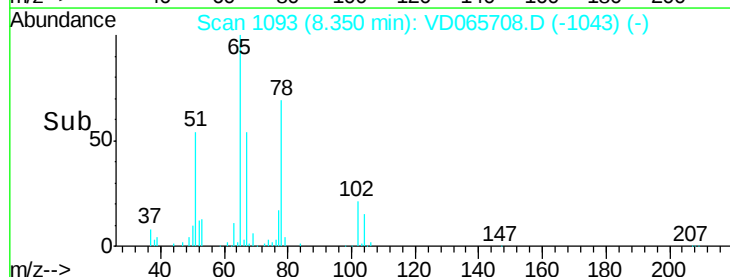
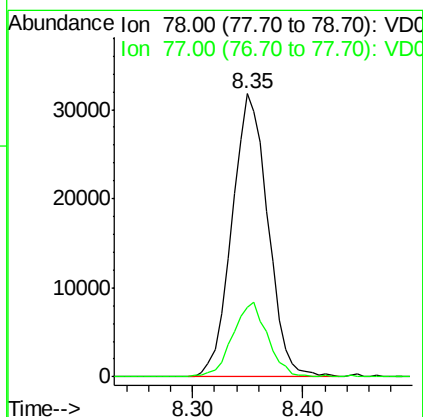
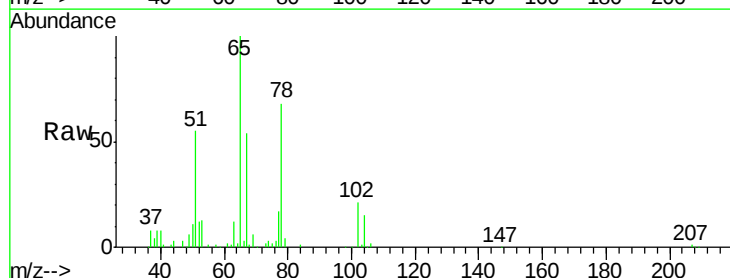
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

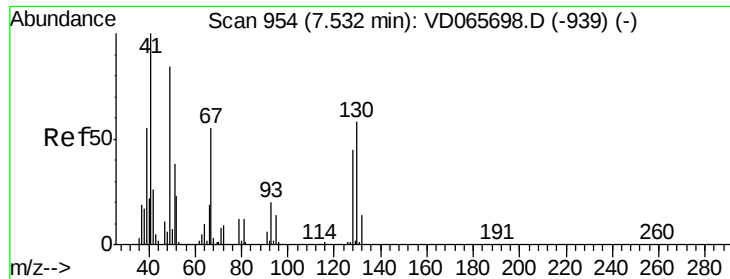
Tot Ion: 83 Resp: 34343  
Ion Ratio Lower Upper  
83 100  
55 75.9 66.0 99.0  
98 55.8 41.0 61.4



#40  
Benzene  
Concen: 4.303 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 78 Resp: 72519  
Ion Ratio Lower Upper  
78 100  
77 24.7 19.6 29.4

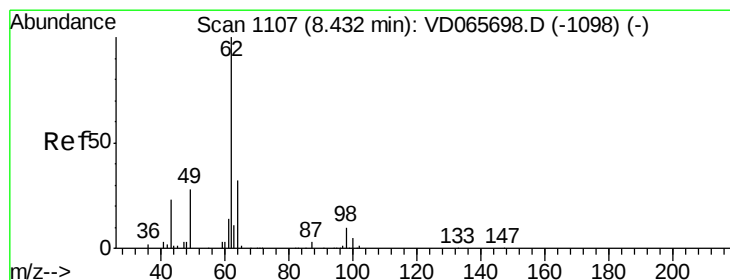
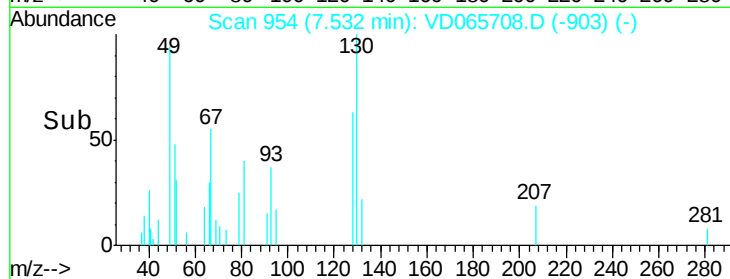
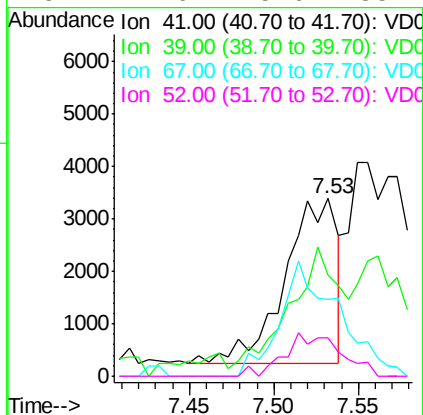
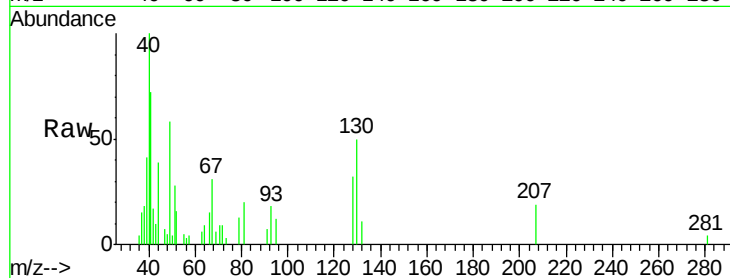




#41  
Methacrylonitrile  
Concen: 3.995 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

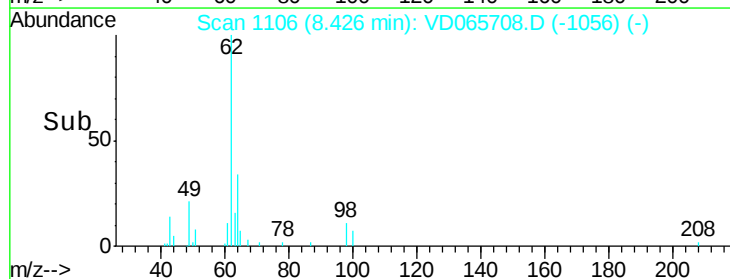
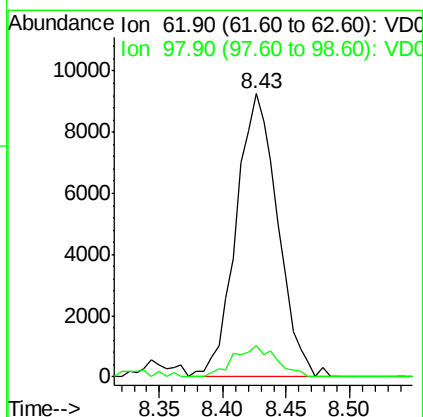
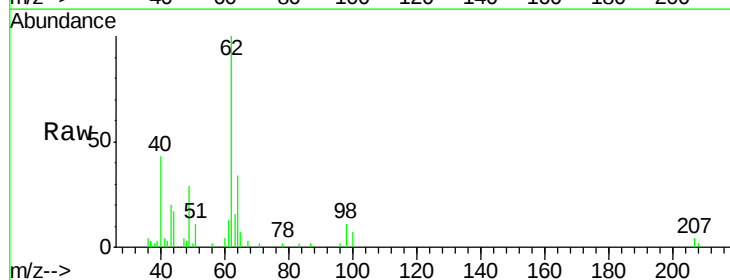
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

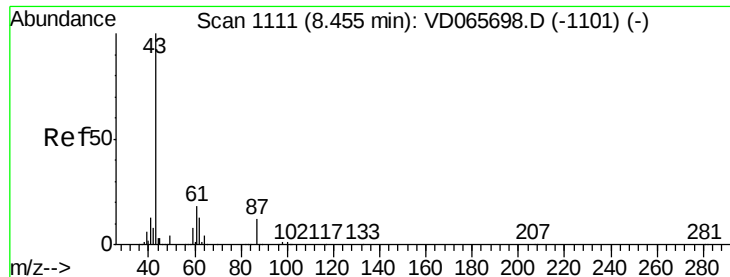
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 6848  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 73.3  | 52.5  | 78.7  |
| 67       | 76.8  | 59.4  | 89.0  |
| 52       | 27.6  | 25.6  | 38.4  |



#42  
1,2-Dichloroethane  
Concen: 4.343 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 21061 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.3  | 0.0   | 19.2  |





#43

Isopropyl Acetate

Concen: 4.171 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleID :

VD0308

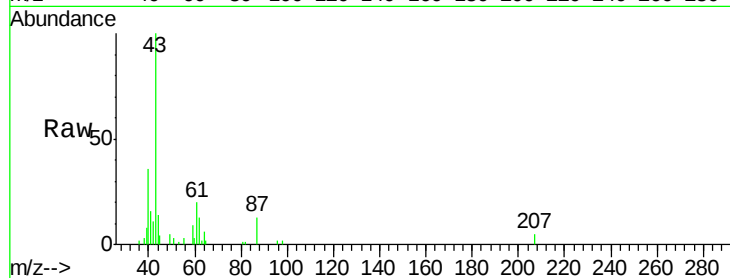
Tot Ion: 43 Resp: 24787

Ion Ratio Lower Upper

43 100

61 29.9 21.9 32.9

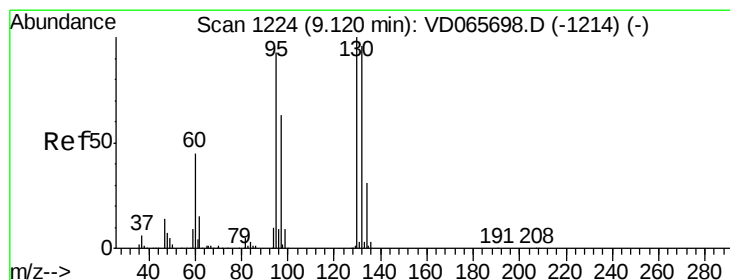
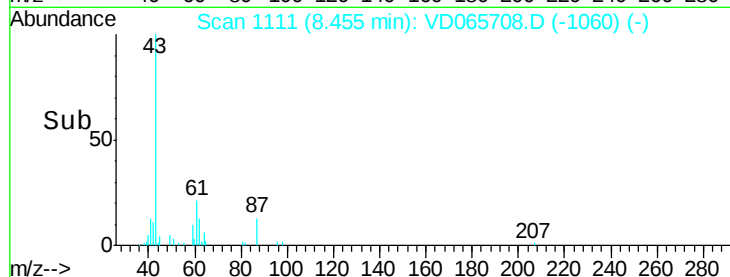
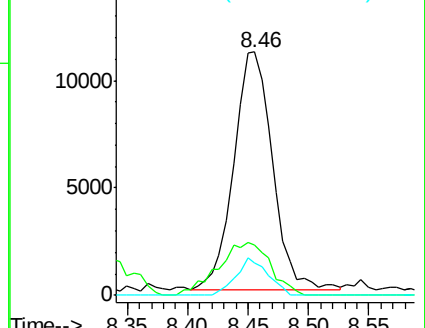
87 12.8 9.4 14.2



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: 4.357 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065708.D

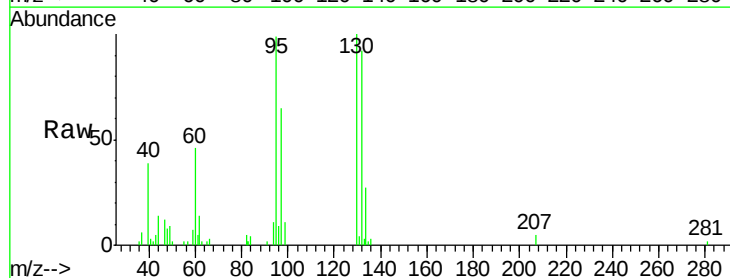
Acq: 07 May 2020 12:56

Tgt Ion: 130 Resp: 20239

Ion Ratio Lower Upper

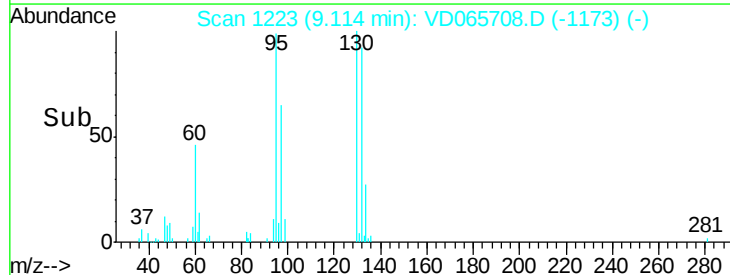
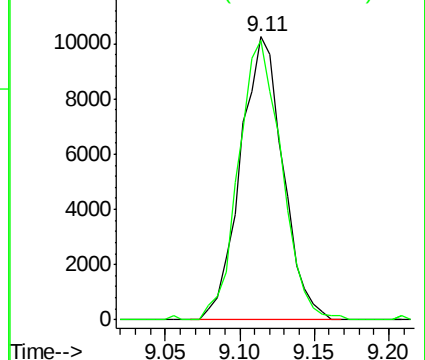
130 100

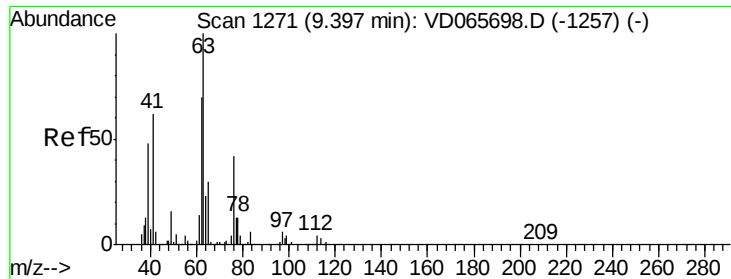
95 98.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

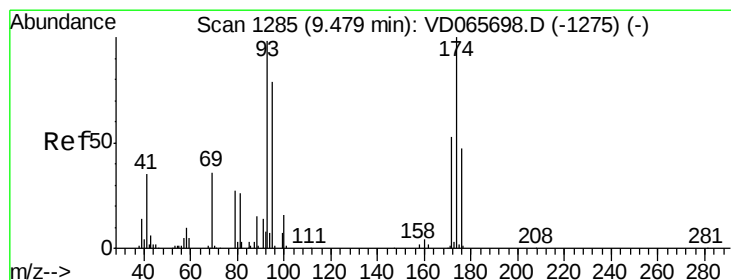
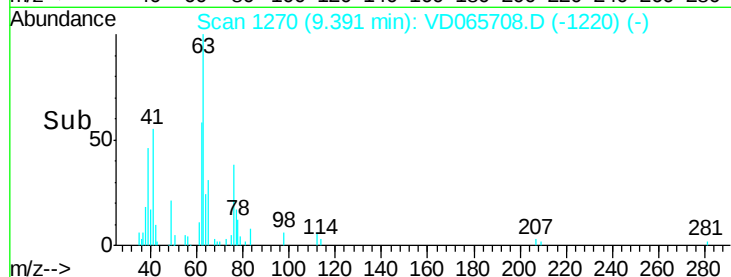
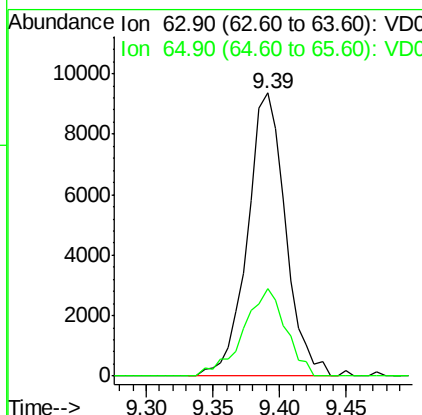
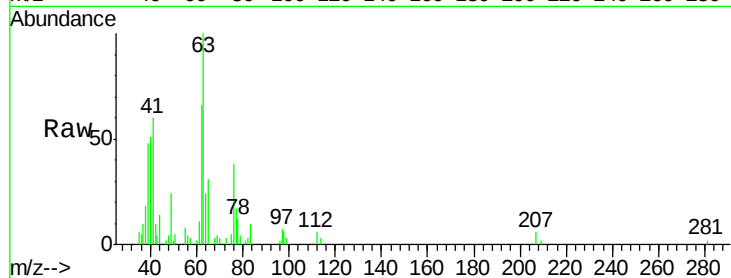




#45  
 1,2-Dichloropropane  
 Concen: 4.223 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

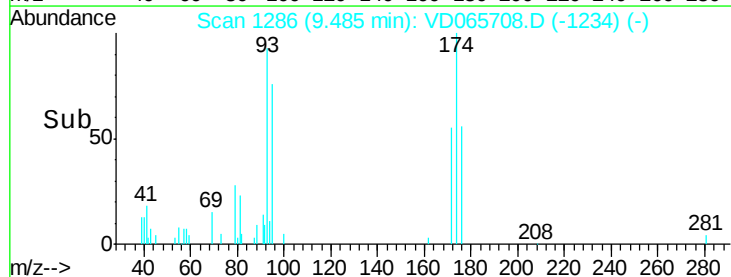
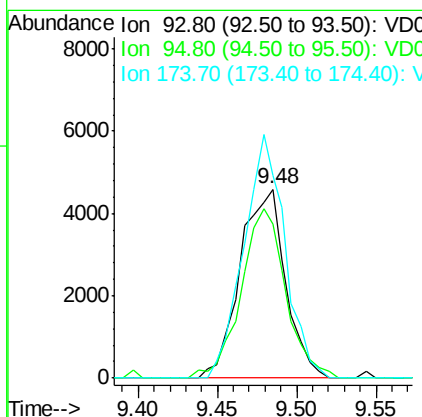
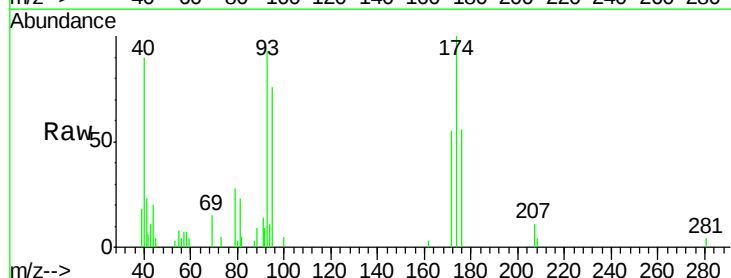
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0308

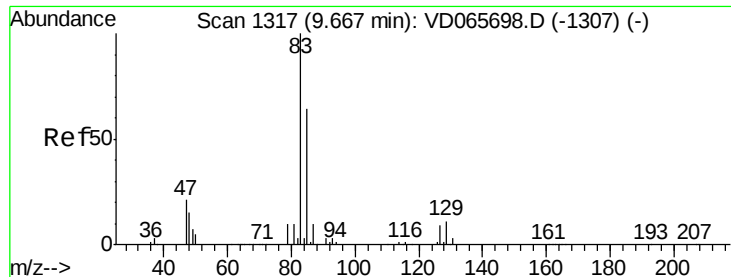
Tot Ion: 63 Resp: 18406  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.1 36.1



#46  
 Dibromomethane  
 Concen: 4.176 ug/l  
 RT: 9.48 min Scan# 1286  
 Delta R.T. 0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 93 Resp: 9130  
 Ion Ratio Lower Upper  
 93 100  
 95 88.1 65.3 97.9  
 174 116.8 82.7 124.1





#47

Bromodichloromethane

Concen: 4.264 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

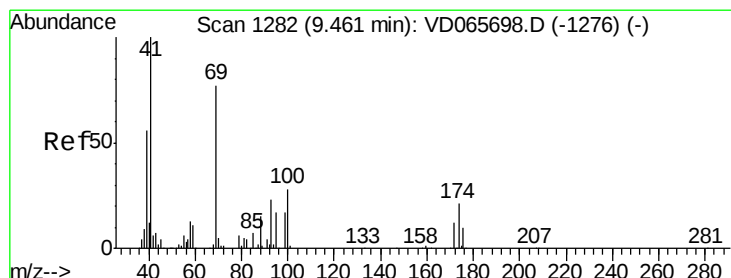
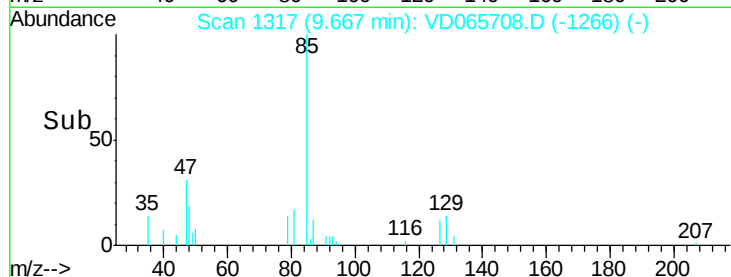
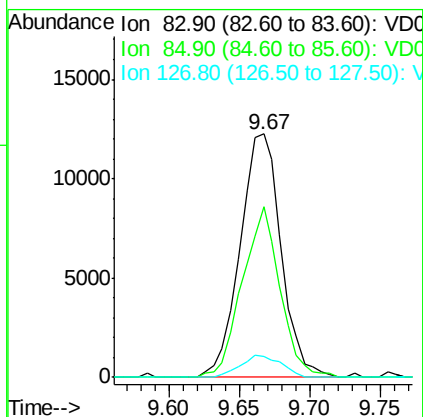
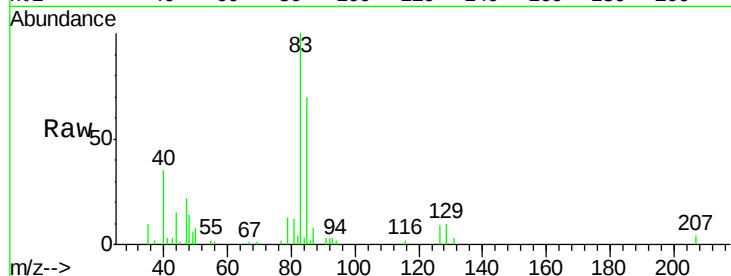
Tot Ion: 83 Resp: 24931

Ion Ratio Lower Upper

83 100

85 69.9 50.9 76.3

127 8.7 6.9 10.3



#48

Methyl methacrylate

Concen: 3.925 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

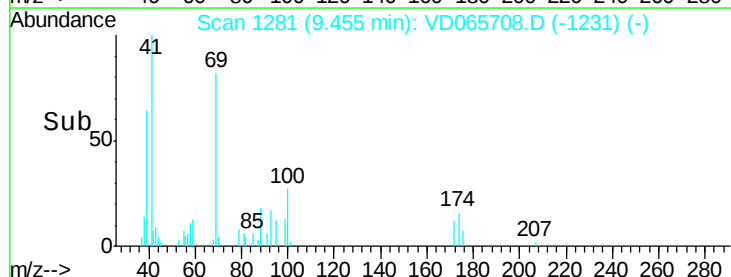
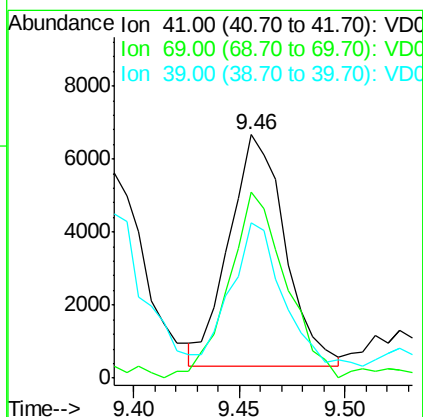
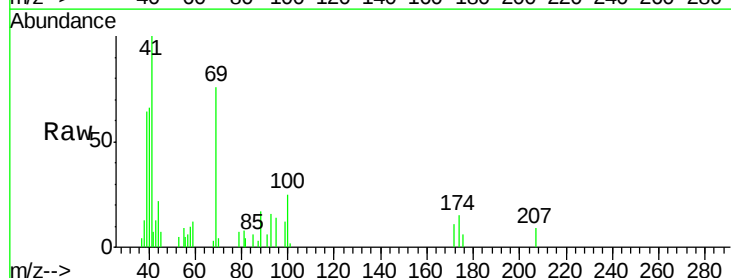
Tgt Ion: 41 Resp: 11679

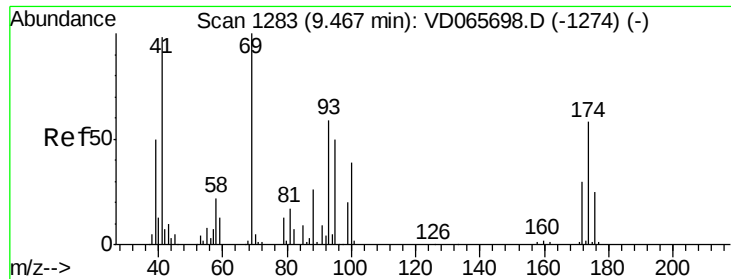
Ion Ratio Lower Upper

41 100

69 82.0 58.2 87.2

39 57.3 43.3 64.9

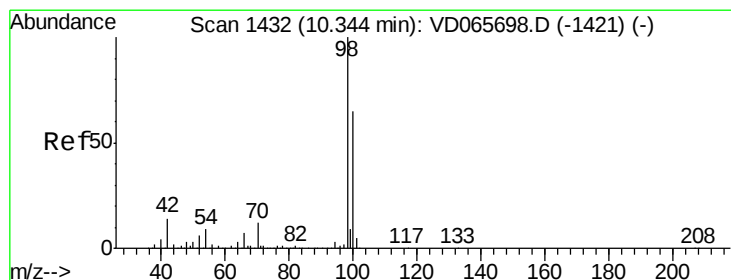
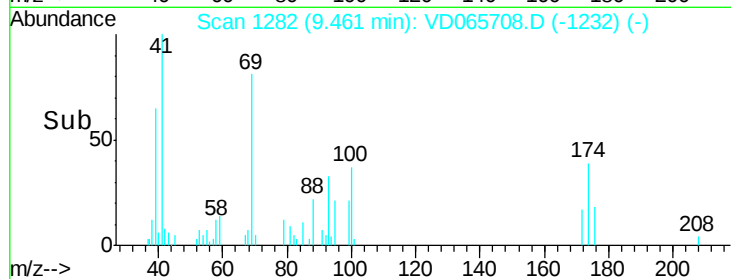
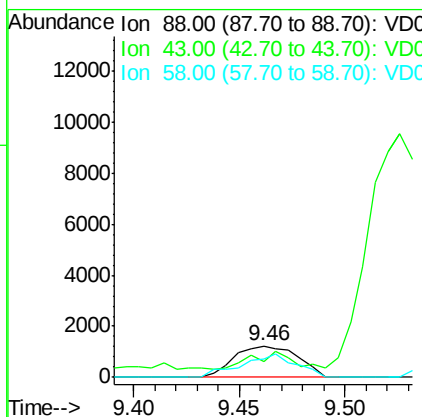
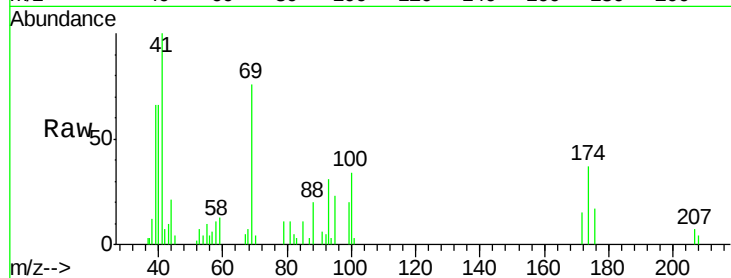




#49  
1,4-Dioxane  
Concen: 96.192 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

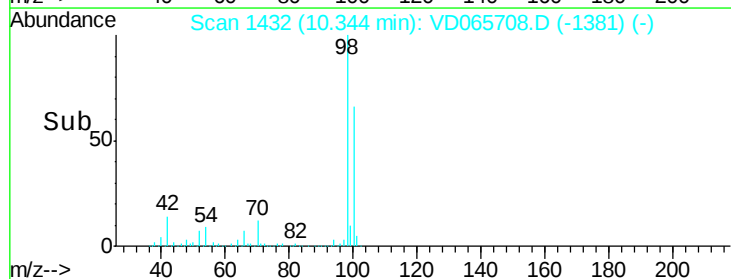
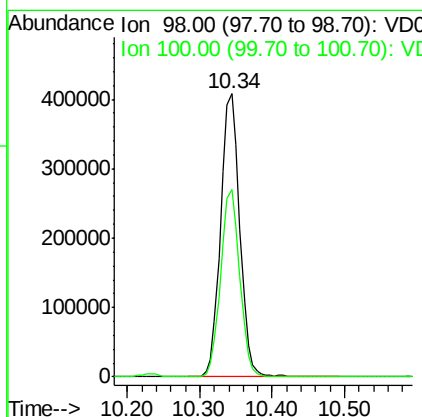
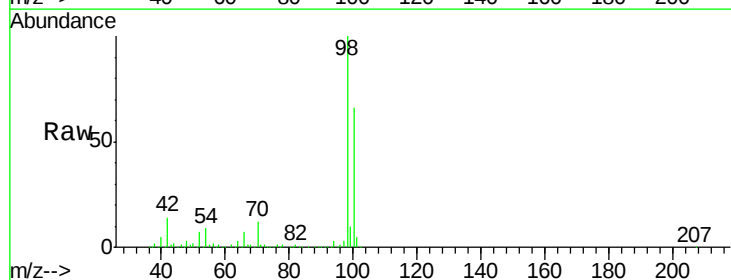
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

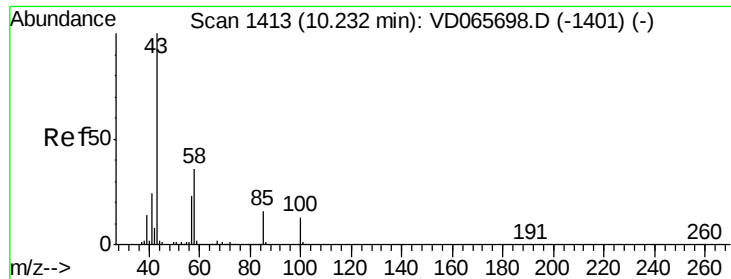
Tot Ion: 88 Resp: 2578  
Ion Ratio Lower Upper  
88 100  
43 39.2 31.6 47.4  
58 64.0 60.2 90.4



#50  
Toluene-d8  
Concen: 50.423 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 98 Resp: 752059  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 22.107 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleID :

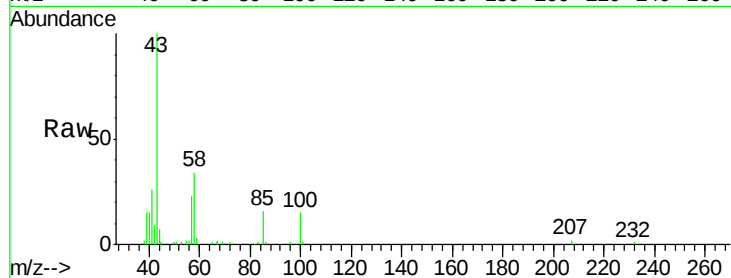
VD0308

Tot Ion: 43 Resp: 63312

Ion Ratio Lower Upper

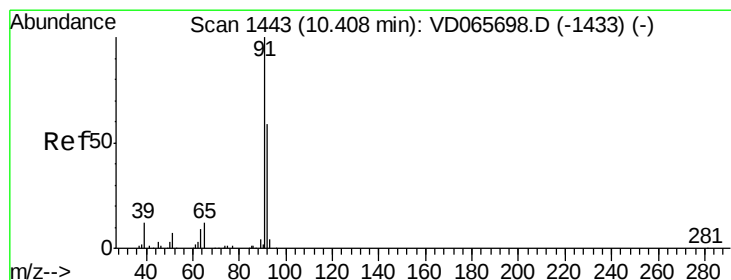
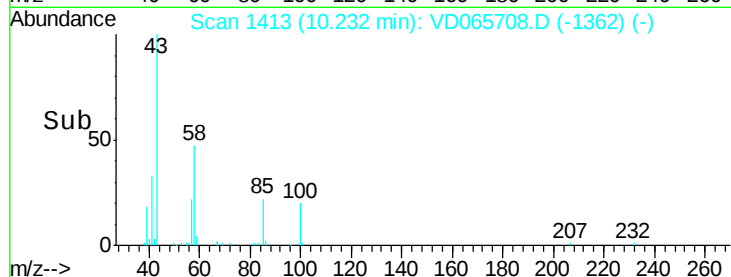
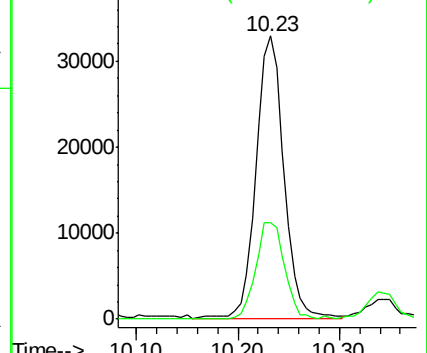
43 100

58 34.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.520 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065708.D

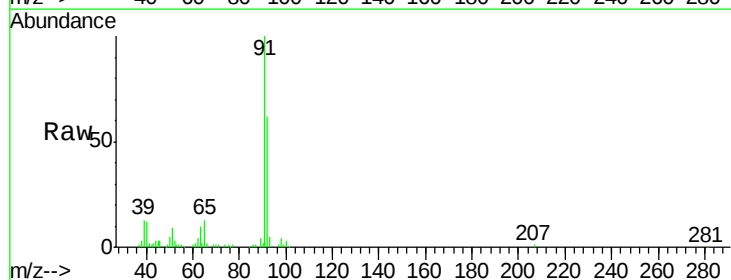
Acq: 07 May 2020 12:56

Tgt Ion: 92 Resp: 48175

Ion Ratio Lower Upper

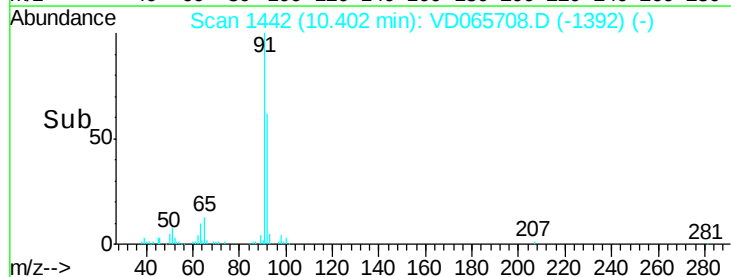
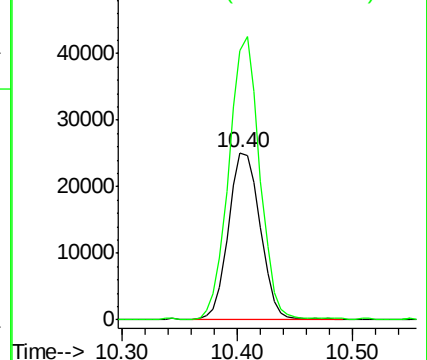
92 100

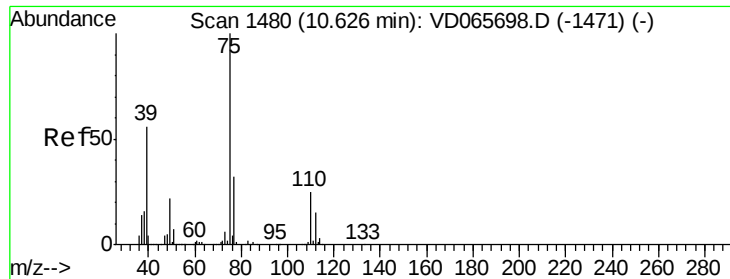
91 163.7 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 3.981 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleID :

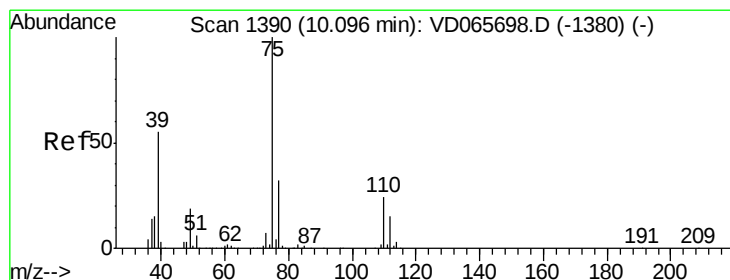
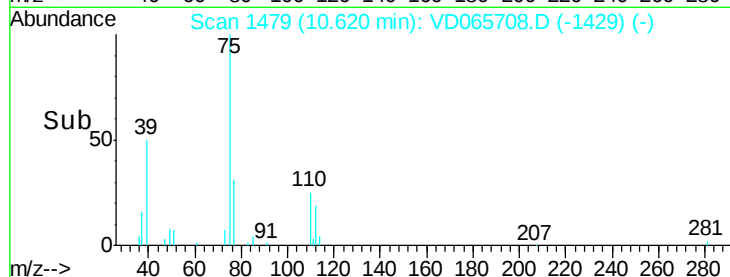
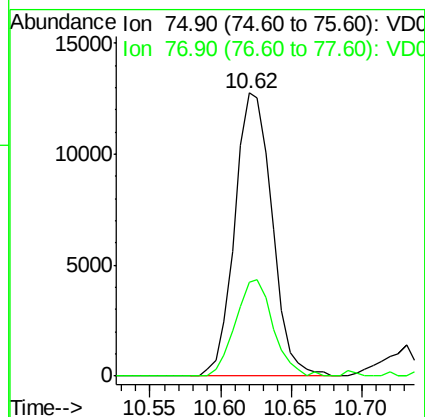
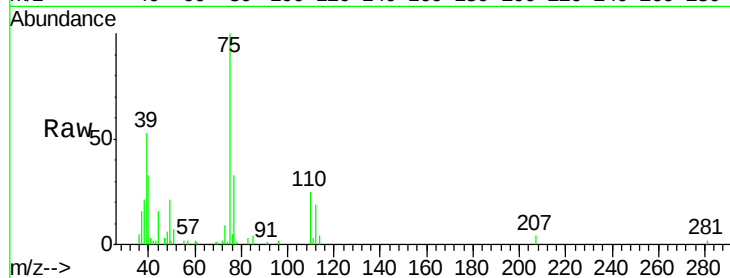
VD0308

Tot Ion: 75 Resp: 23578

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 4.176 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

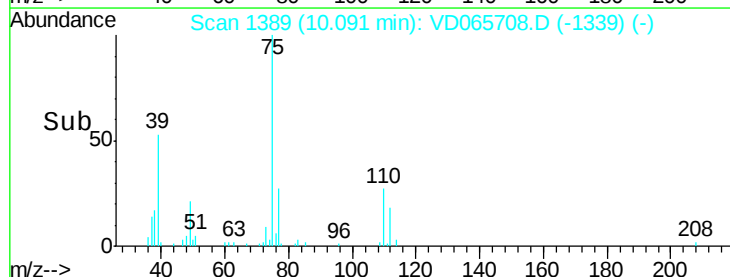
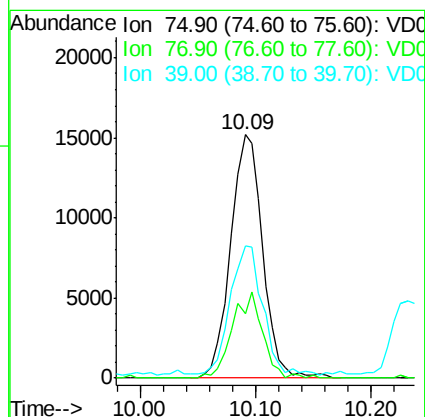
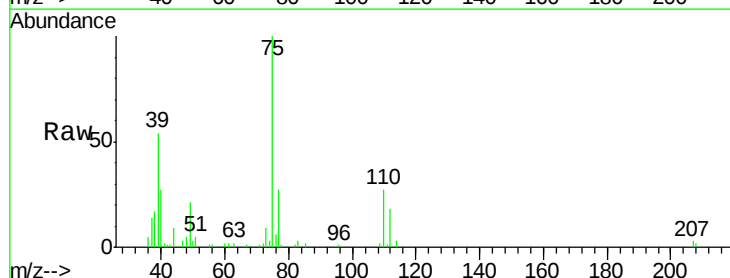
Tgt Ion: 75 Resp: 29137

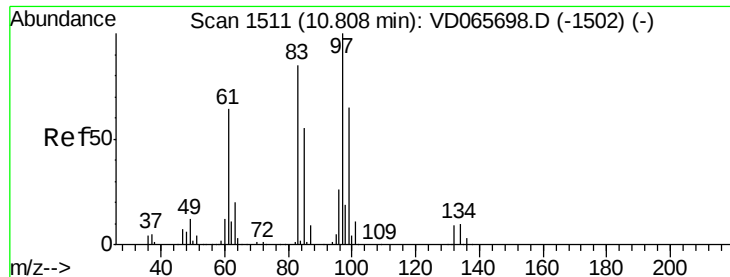
Ion Ratio Lower Upper

75 100

77 26.7 25.8 38.8

39 52.7 44.4 66.6

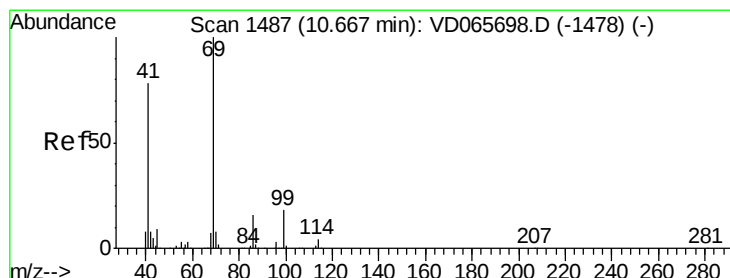
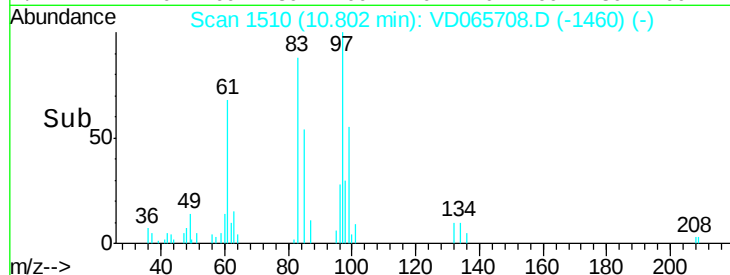
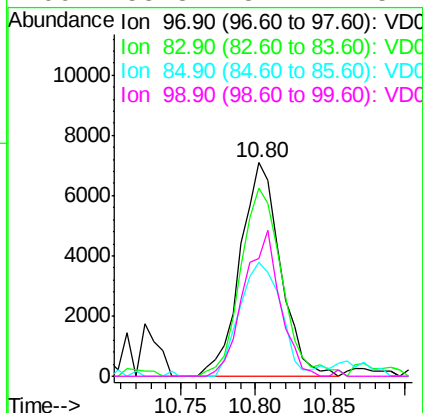
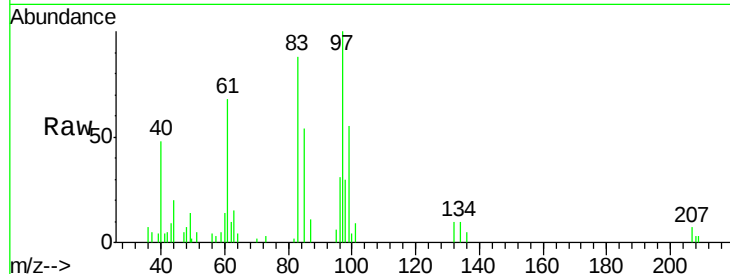




#55  
 1,1,2-Trichloroethane  
 Concen: 4.498 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

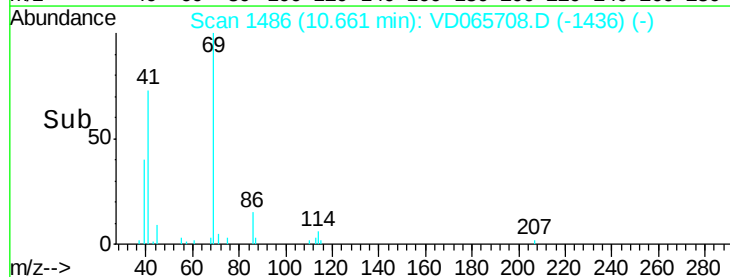
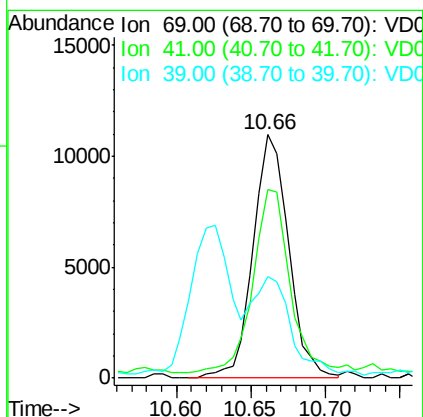
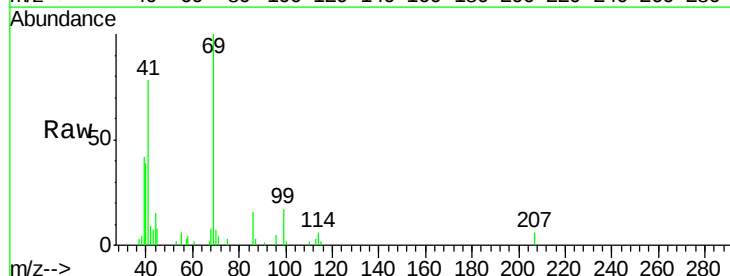
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

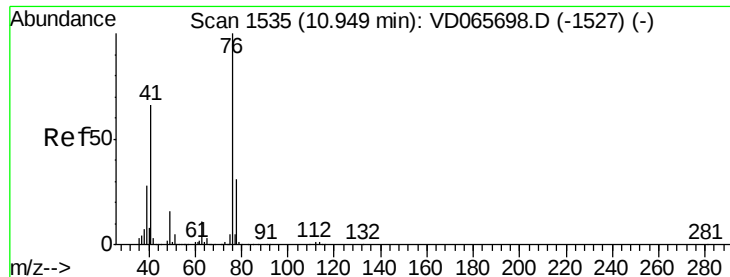
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 13257 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.0  | 68.2  | 102.4 |
| 85       | 53.6  | 43.6  | 65.4  |
| 99       | 55.3  | 52.2  | 78.4  |



#56  
 Ethyl methacrylate  
 Concen: 4.247 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 18073 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 78.7  | 61.4  | 92.0  |
| 39       | 45.4  | 32.7  | 49.1  |





#57

1,3-Dichloropropane

Concen: 4.363 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampled :

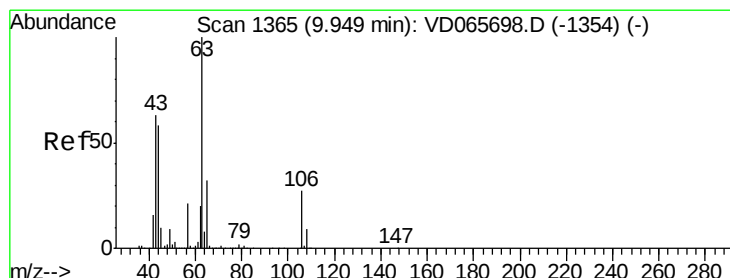
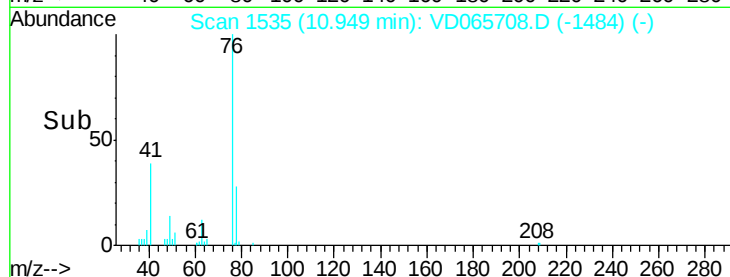
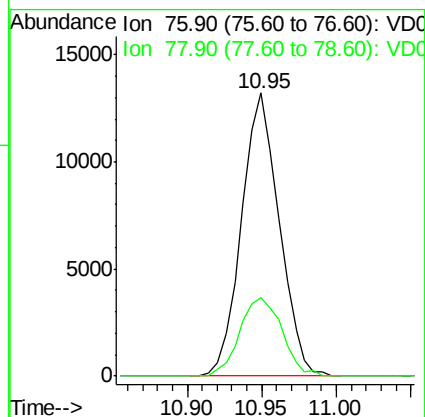
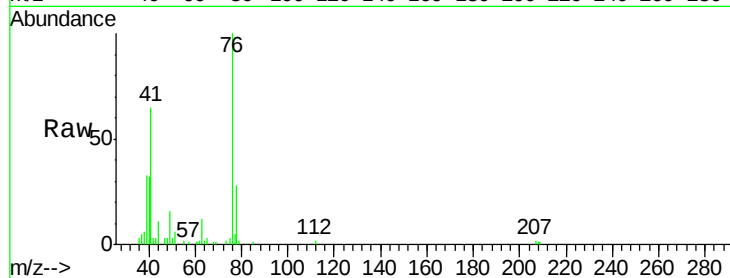
VD0308

Tot Ion: 76 Resp: 23120

Ion Ratio Lower Upper

76 100

78 31.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 20.128 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065708.D

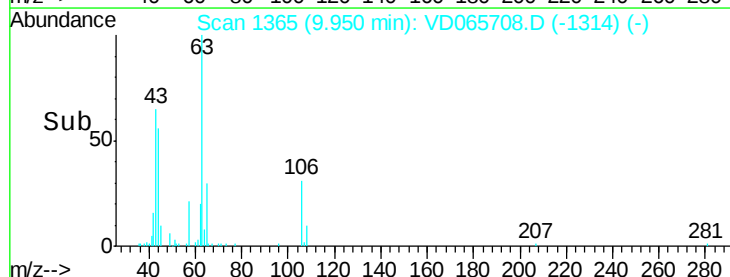
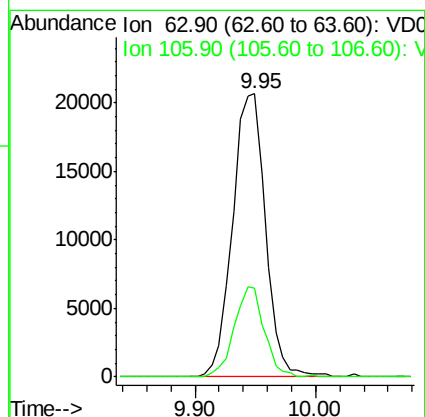
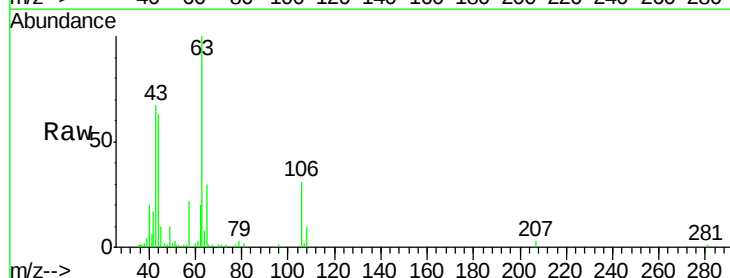
Acq: 07 May 2020 12:56

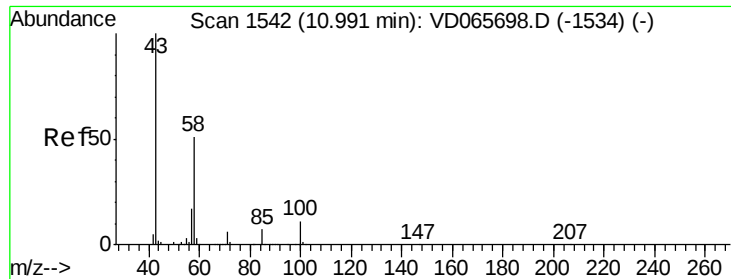
Tgt Ion: 63 Resp: 39326

Ion Ratio Lower Upper

63 100

106 28.8 22.0 33.0

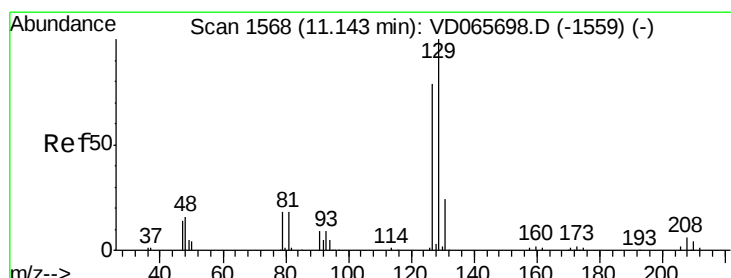
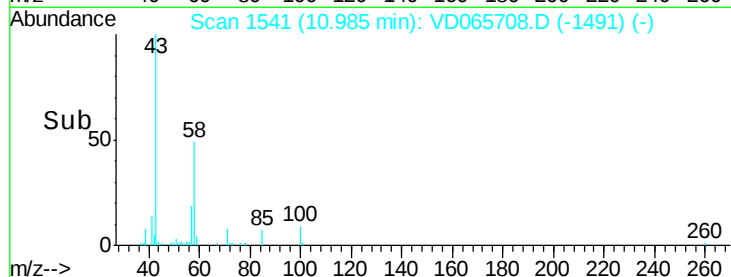
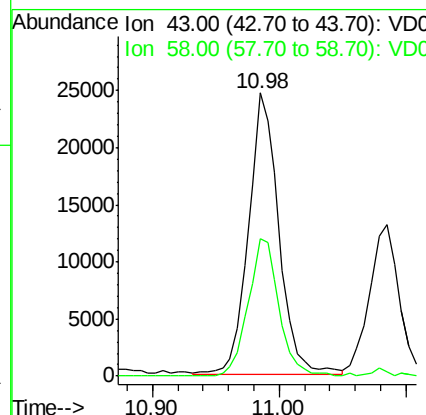
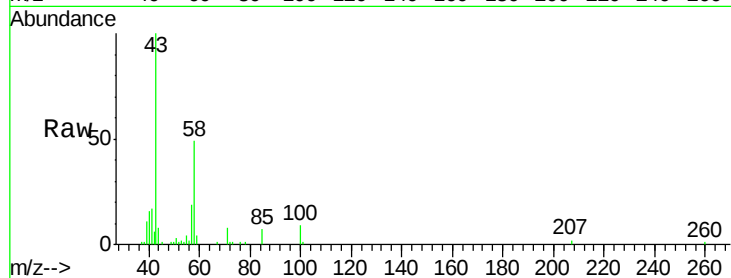




#59  
2-Hexanone  
Concen: 20.696 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

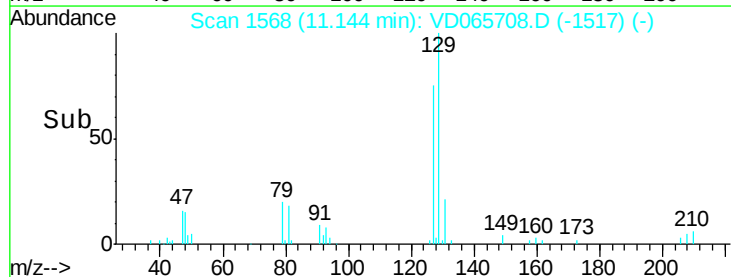
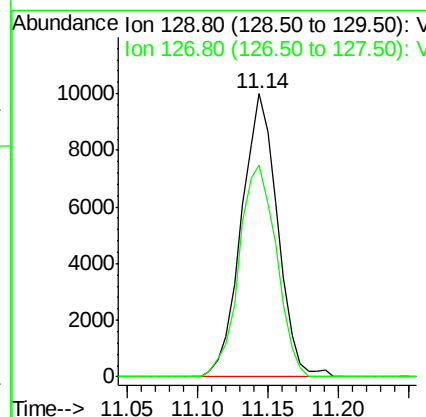
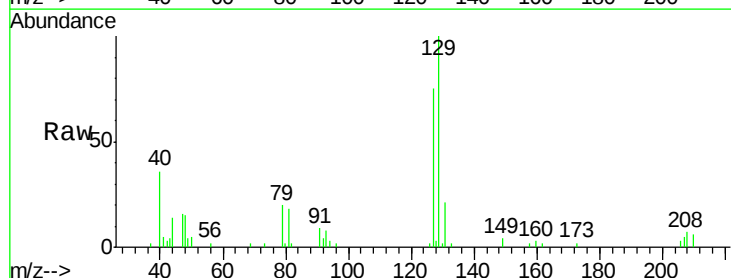
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

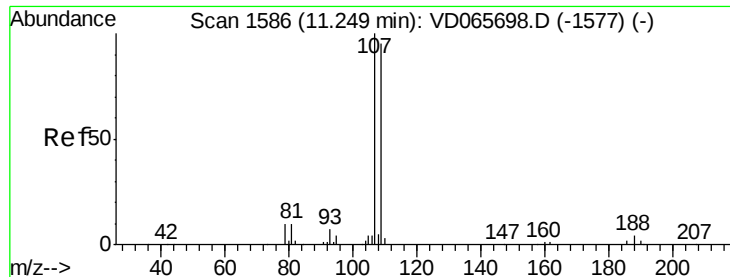
Tot Ion: 43 Resp: 40766  
Ion Ratio Lower Upper  
43 100  
58 50.0 25.4 76.0



#60  
Dibromochloromethane  
Concen: 4.512 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 129 Resp: 17865  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.9 116.6

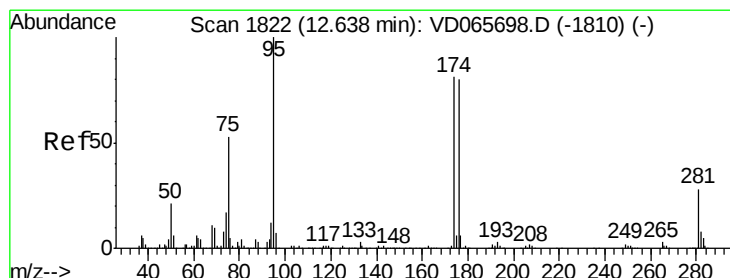
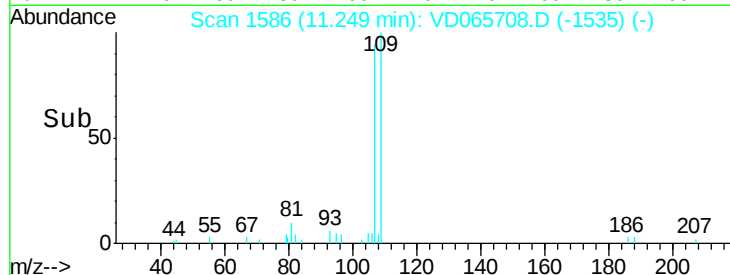
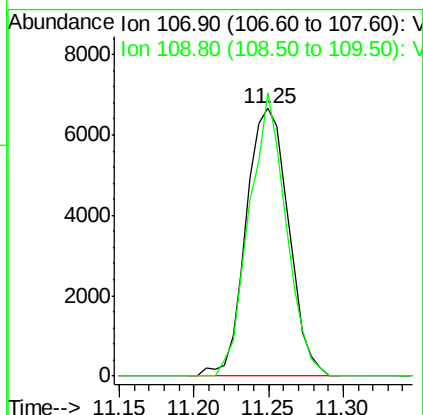
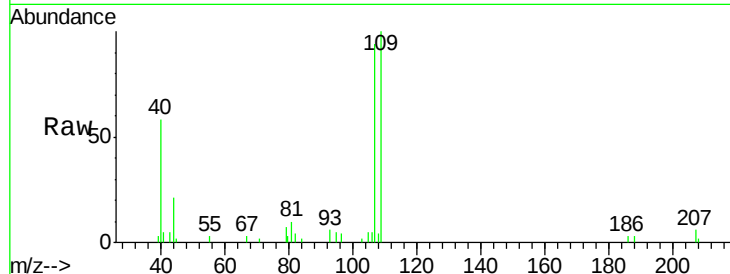




#61  
1,2-Dibromoethane  
Concen: 4.411 ug/l  
RT: 11.25 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

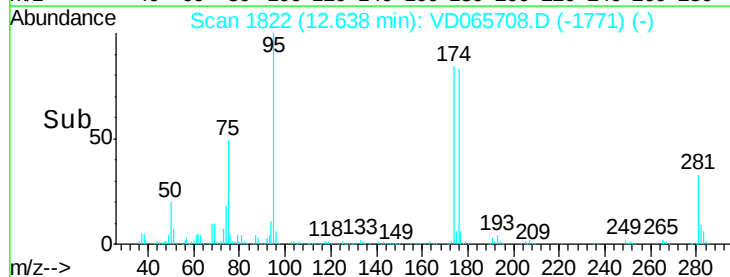
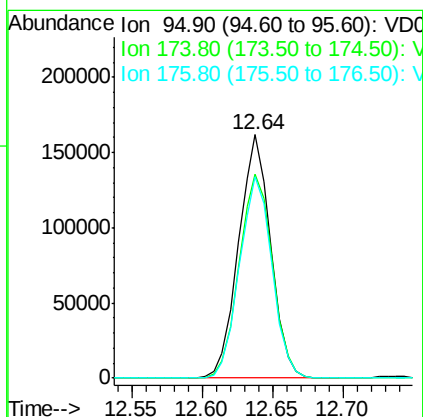
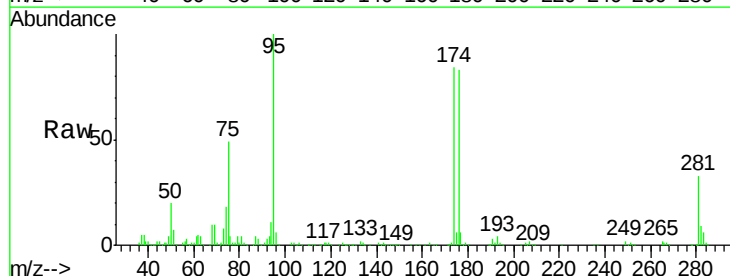
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

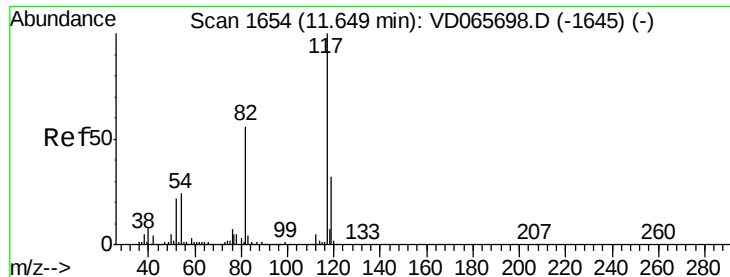
Tot Ion:107 Resp: 13082  
Ion Ratio Lower Upper  
107 100  
109 91.9 74.9 112.3



#62  
4-Bromofluorobenzene  
Concen: 48.403 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 95 Resp: 255930  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 162.6  
176 84.1 0.0 159.0

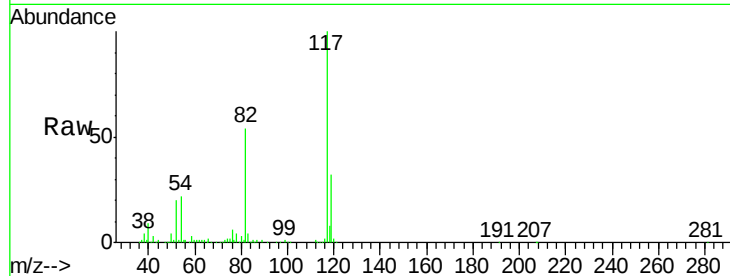




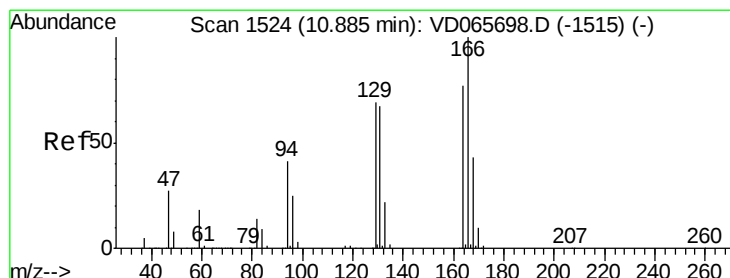
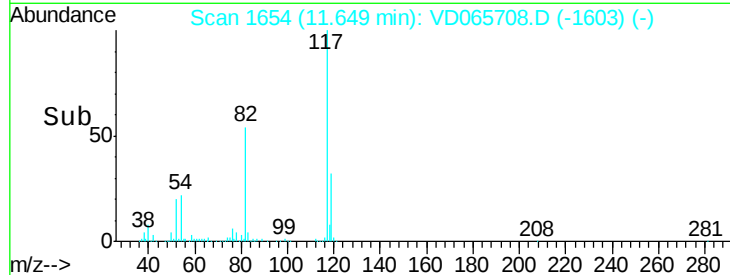
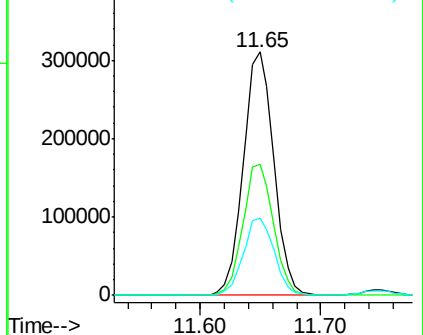
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

Tot Ion:117 Resp: 548132  
Ion Ratio Lower Upper  
117 100  
82 53.8 44.9 67.3  
119 31.6 25.4 38.2

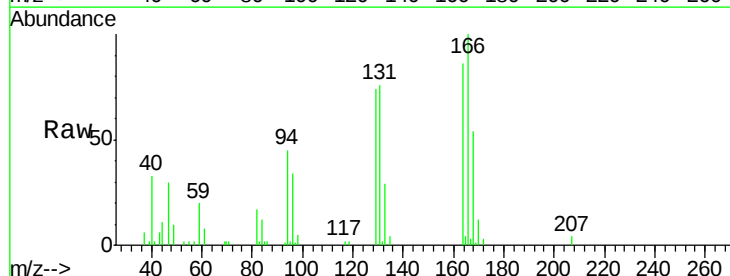


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

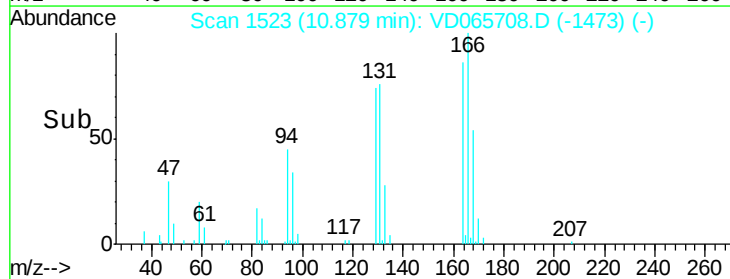
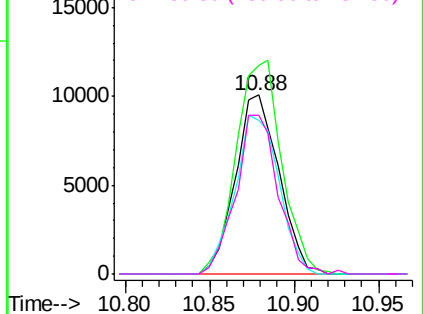


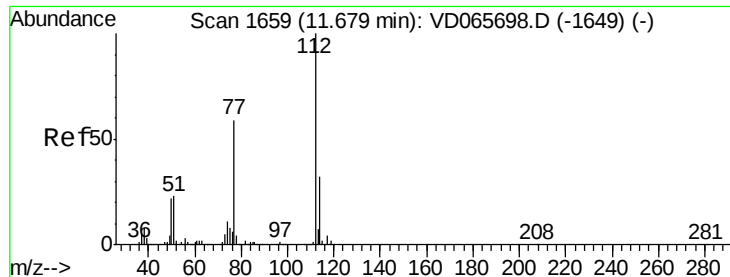
#64  
Tetrachloroethene  
Concen: 4.641 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion:164 Resp: 18105  
Ion Ratio Lower Upper  
164 100  
166 116.8 104.3 156.5  
129 86.0 71.9 107.9  
131 88.6 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

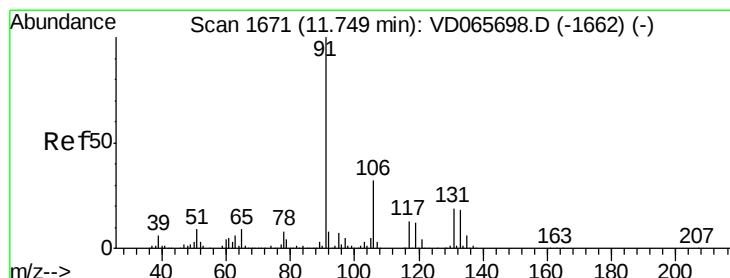
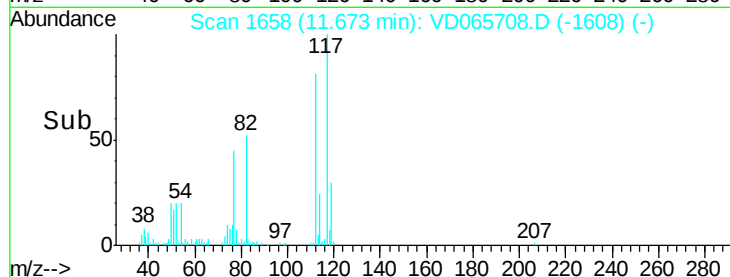
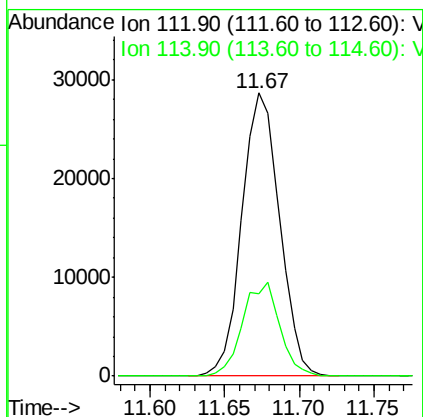
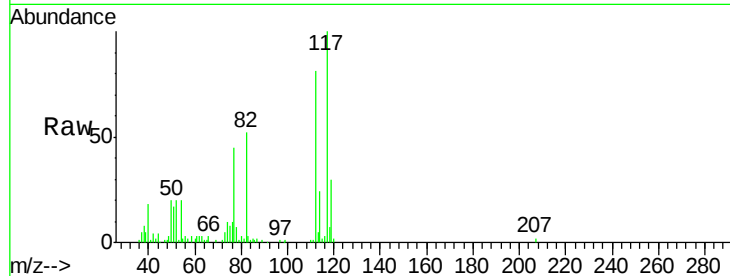




#65  
Chlorobenzene  
Concen: 4.545 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

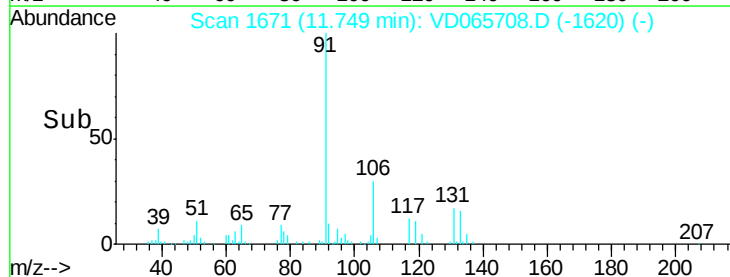
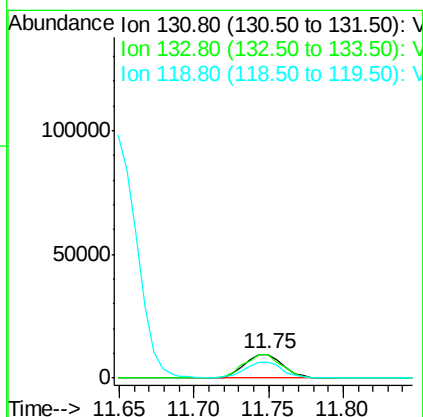
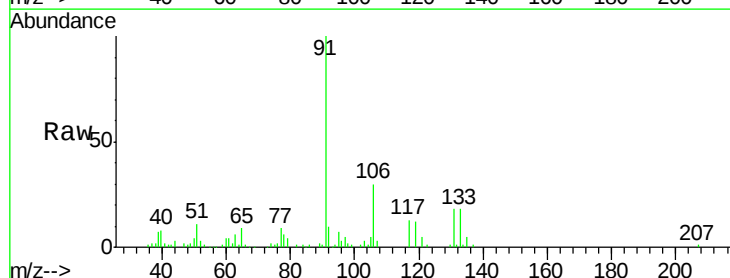
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

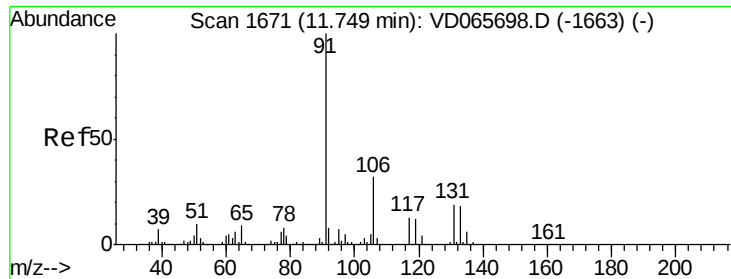
Tot Ion:112 Resp: 50192  
Ion Ratio Lower Upper  
112 100  
114 28.9 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.250 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion:131 Resp: 17501  
Ion Ratio Lower Upper  
131 100  
133 98.2 47.3 141.8  
119 65.2 31.8 95.4

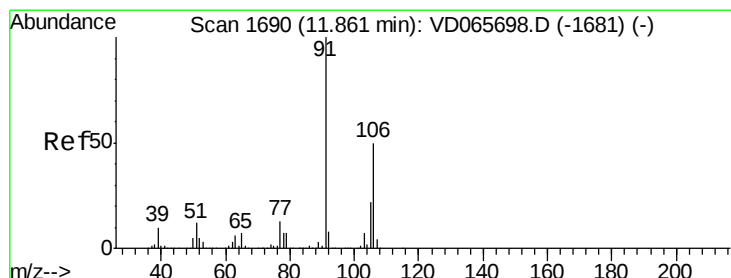
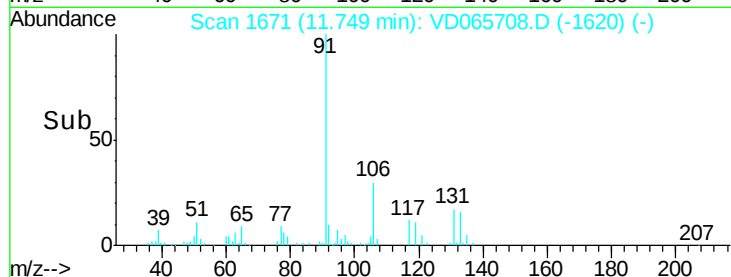
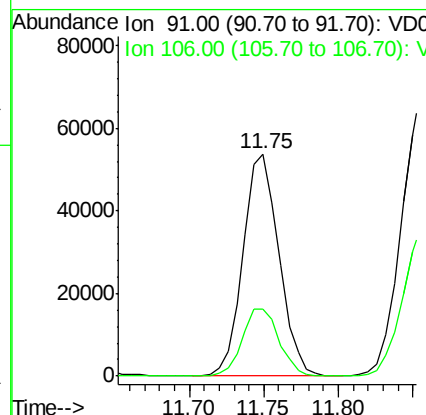
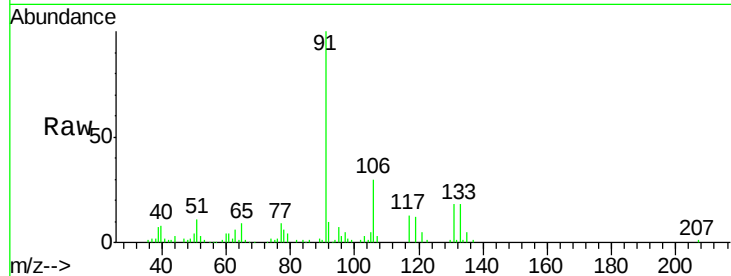




#67  
Ethyl Benzene  
Concen: 4.362 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

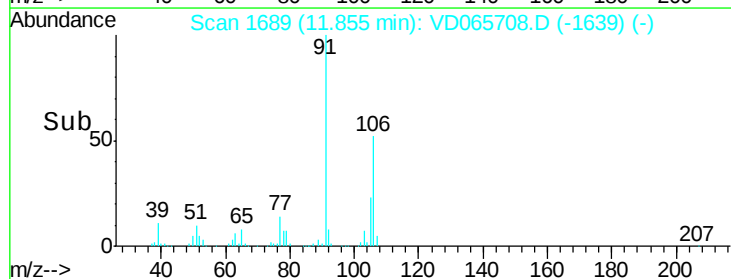
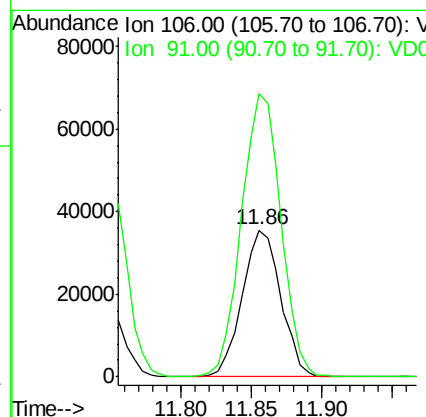
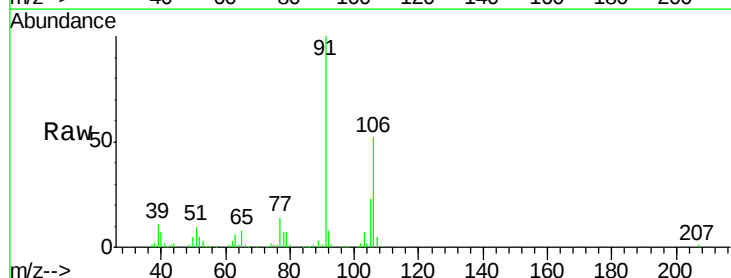
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

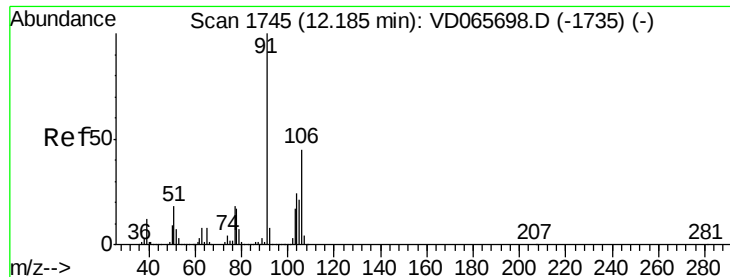
Tot Ion: 91 Resp: 89876  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.2 37.8



#68  
m/p-Xylenes  
Concen: 8.868 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion: 106 Resp: 68113  
Ion Ratio Lower Upper  
106 100  
91 196.9 163.1 244.7

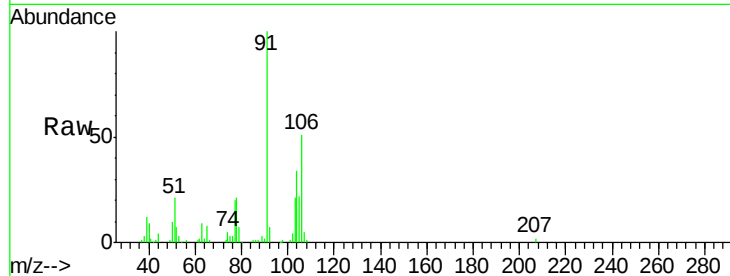




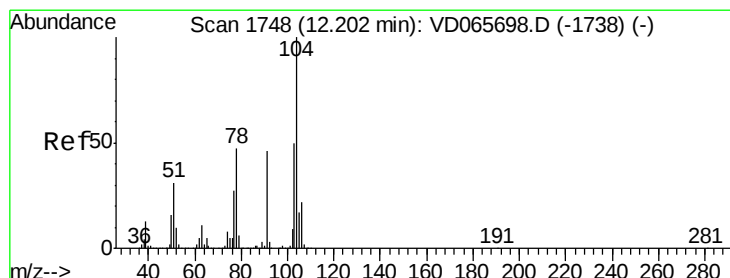
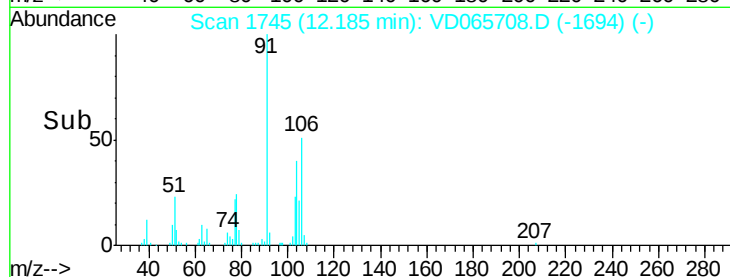
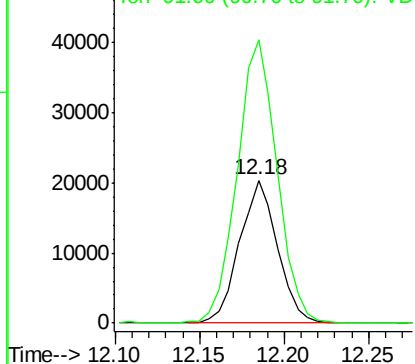
#69  
o-Xylene  
Concen: 4.422 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

Tot Ion:106 Resp: 31690  
Ion Ratio Lower Upper  
106 100  
91 209.1 107.9 323.7

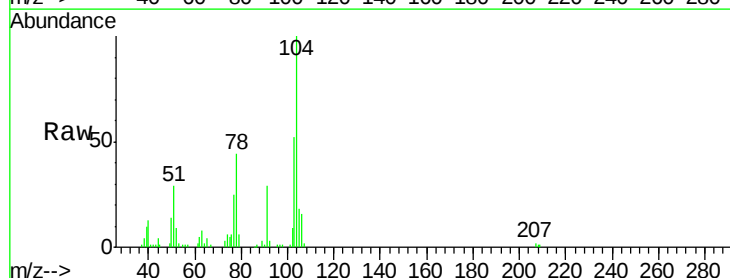


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VDC

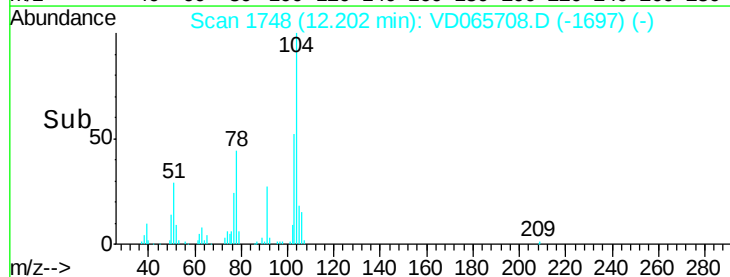
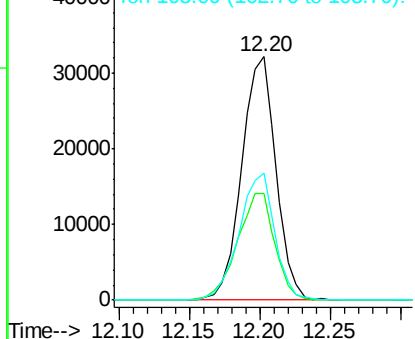


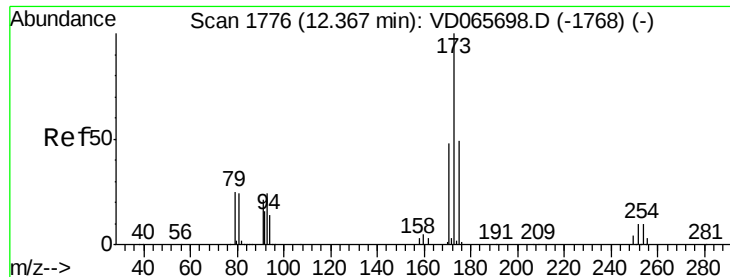
#70  
Styrene  
Concen: 4.432 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion:104 Resp: 54617  
Ion Ratio Lower Upper  
104 100  
78 47.8 41.0 61.4  
103 54.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VDC  
Ion 103.00 (102.70 to 103.70): V

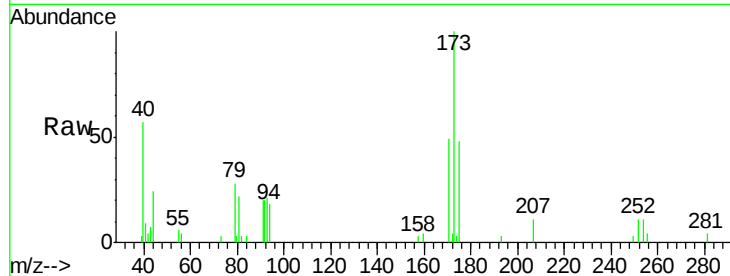




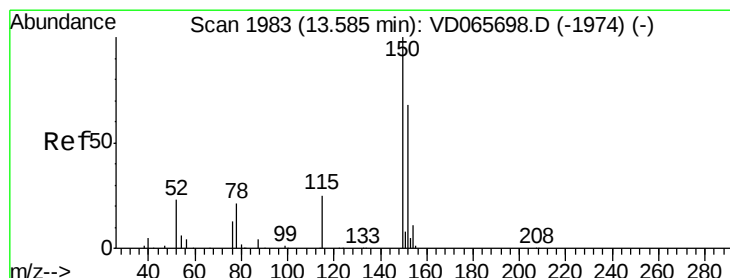
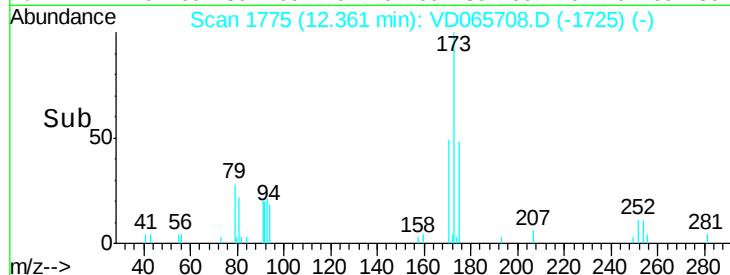
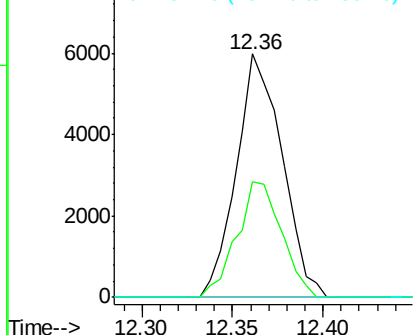
#71  
Bromoform  
Concen: 4.532 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. -0.01 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308

Tot Ion:173 Resp: 10499  
Ion Ratio Lower Upper  
173 100  
175 46.5 24.5 73.5  
254 0.0 0.0 0.0

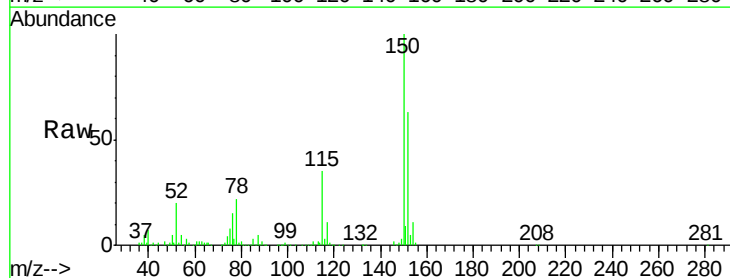


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

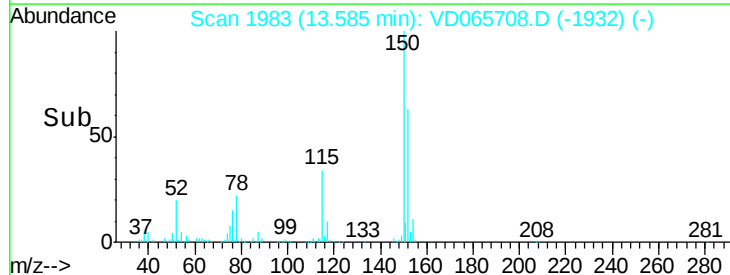
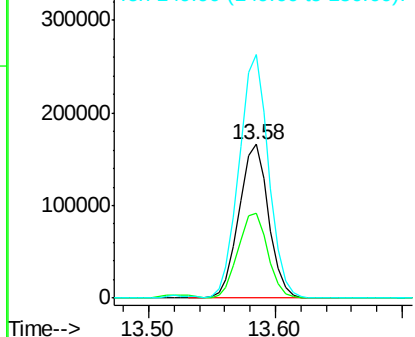


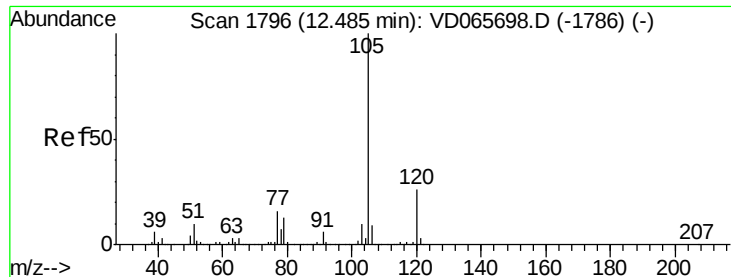
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD065708.D  
Acq: 07 May 2020 12:56

Tgt Ion:152 Resp: 266515  
Ion Ratio Lower Upper  
152 100  
115 56.2 29.5 88.5  
150 159.4 0.0 346.8



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





#73

Isopropylbenzene

Concen: 4.262 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

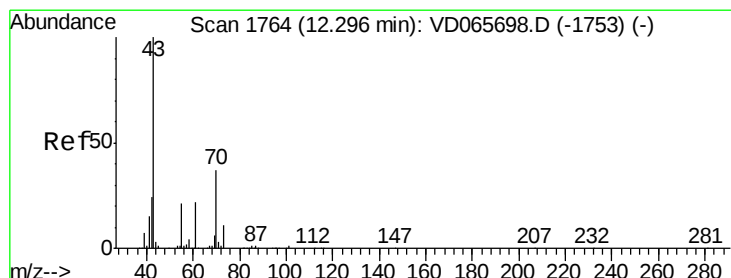
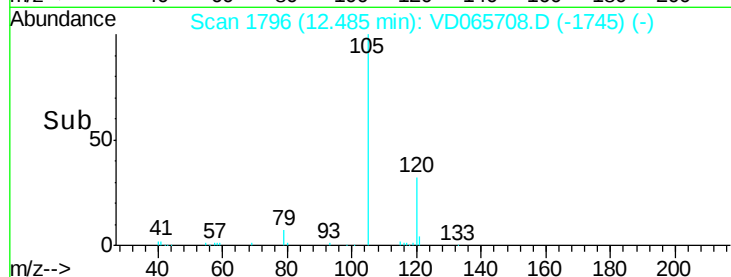
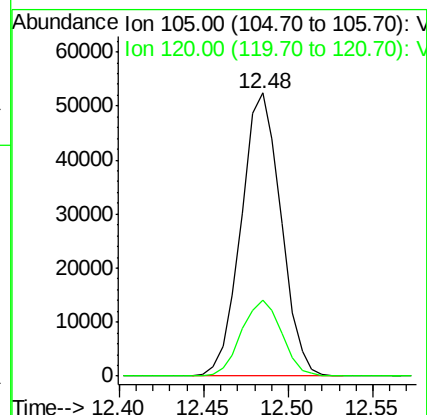
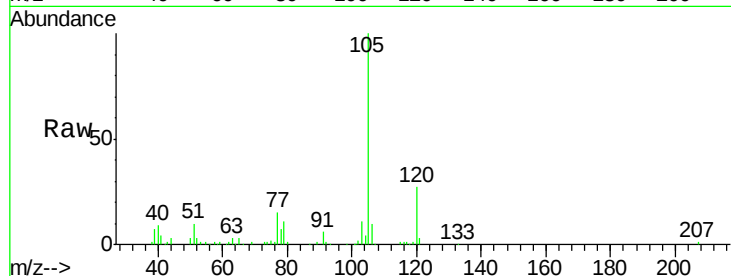
VD0308

Tot Ion:105 Resp: 86059

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 3.798 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Tgt Ion: 43 Resp: 21896

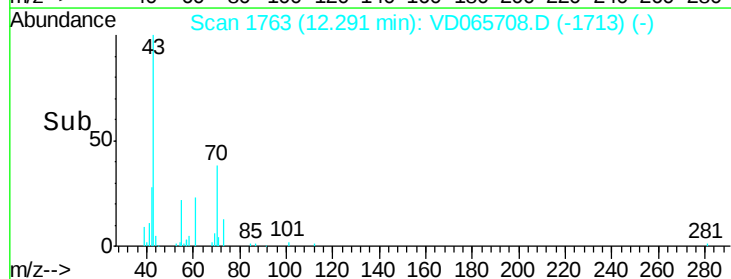
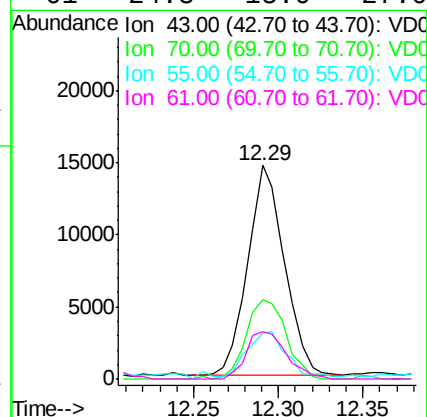
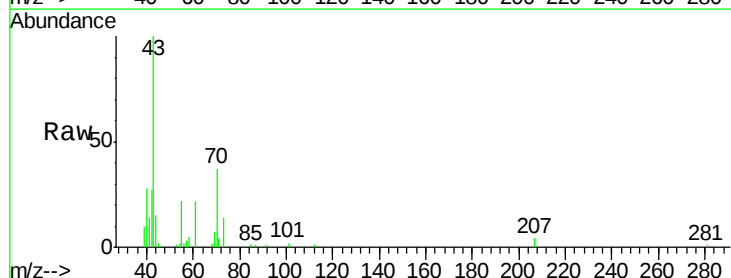
Ion Ratio Lower Upper

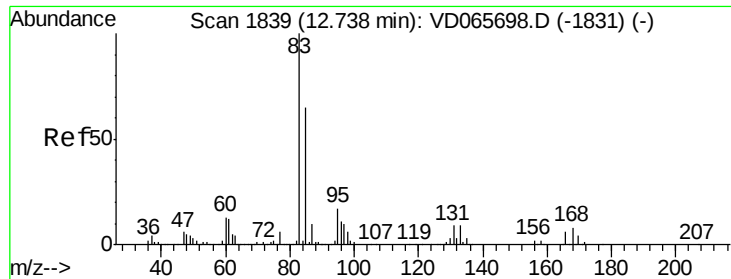
43 100

70 41.3 29.3 43.9

55 22.7 16.4 24.6

61 24.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.241 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

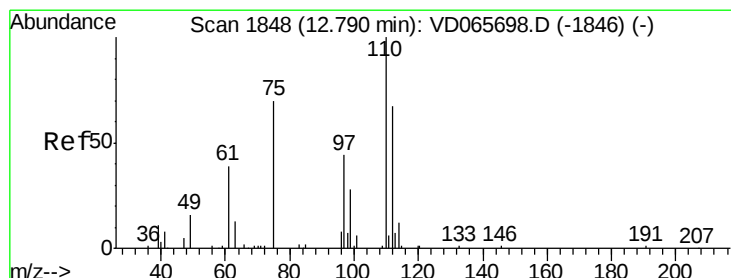
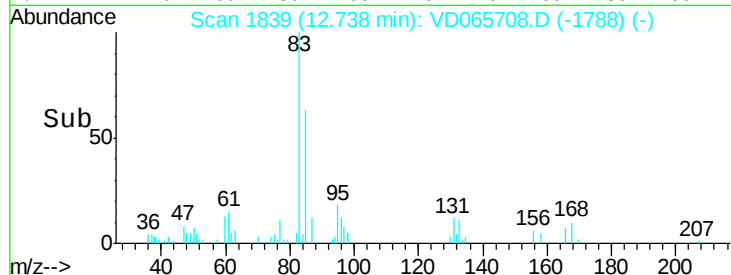
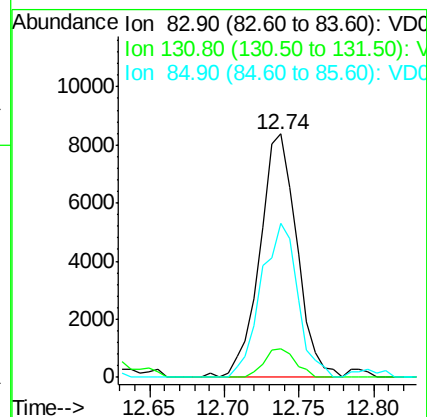
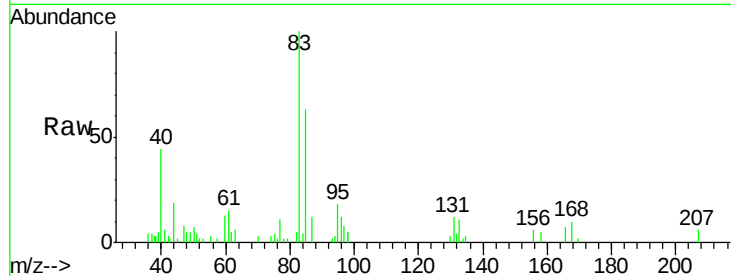
Tot Ion: 83 Resp: 14360

Ion Ratio Lower Upper

83 100

131 10.0 5.5 16.7

85 62.5 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 3.980 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065708.D

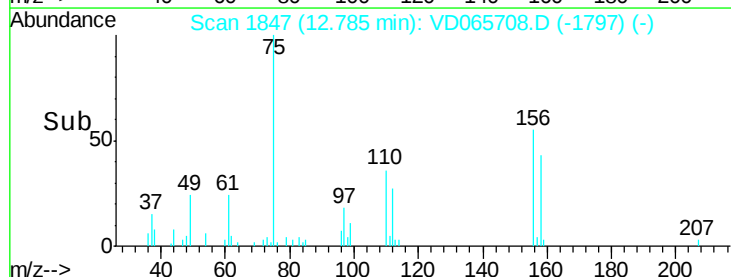
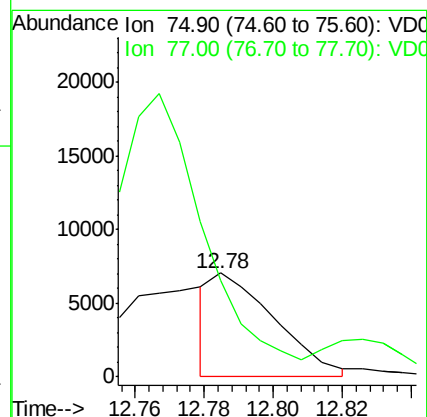
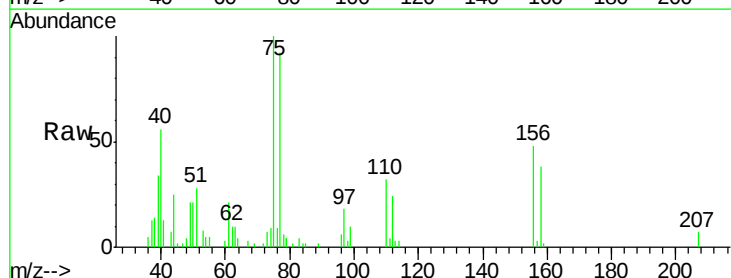
Acq: 07 May 2020 12:56

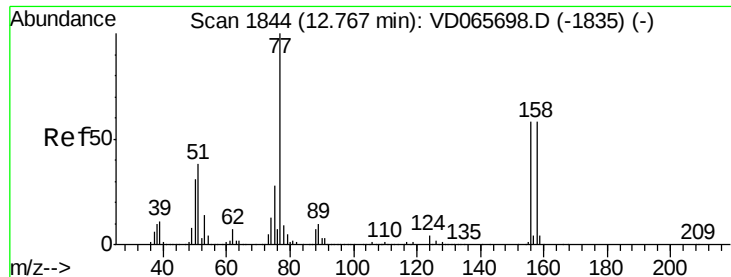
Tgt Ion: 75 Resp: 8958

Ion Ratio Lower Upper

75 100

77 409.1 0.0 0.0#





#77

Bromobenzene

Concen: 4.484 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

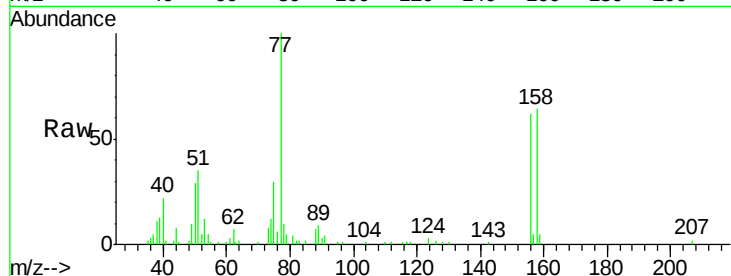
Tot Ion:156 Resp: 20764

Ion Ratio Lower Upper

156 100

77 176.5 92.9 278.7

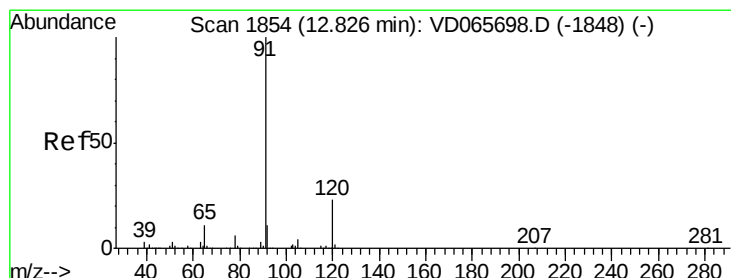
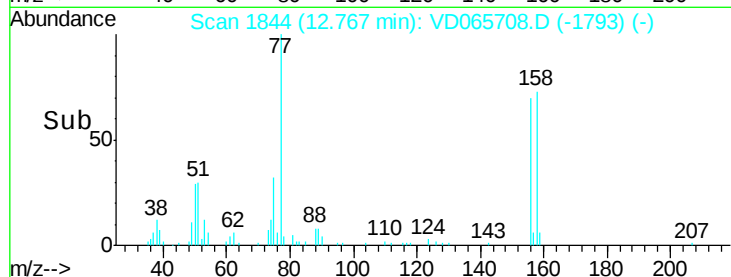
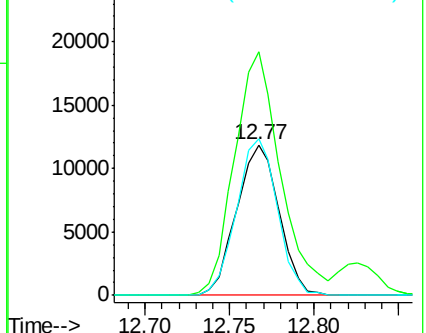
158 99.9 48.9 146.7



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: 4.256 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065708.D

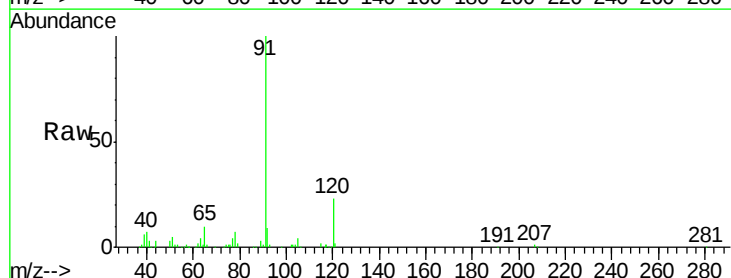
Acq: 07 May 2020 12:56

Tgt Ion: 91 Resp: 101188

Ion Ratio Lower Upper

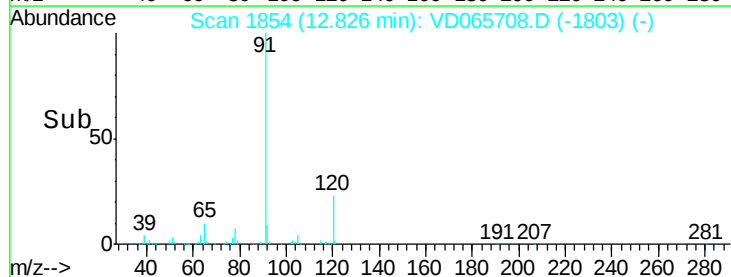
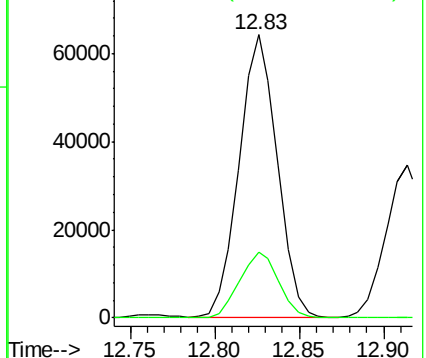
91 100

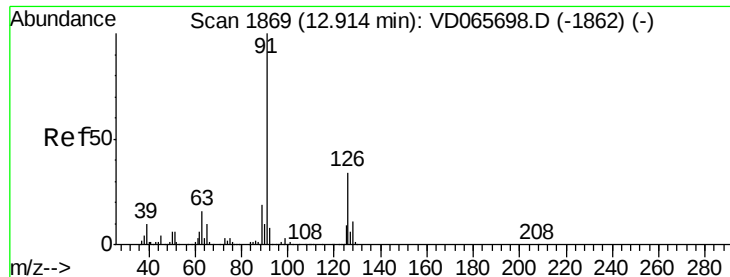
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

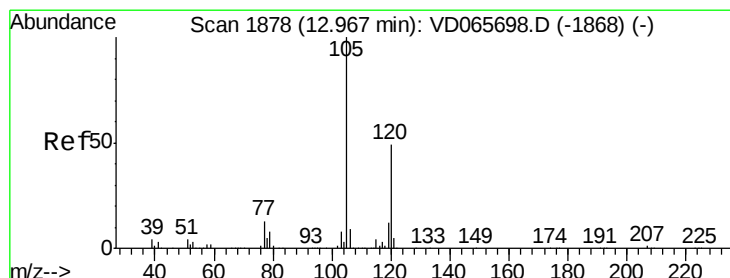
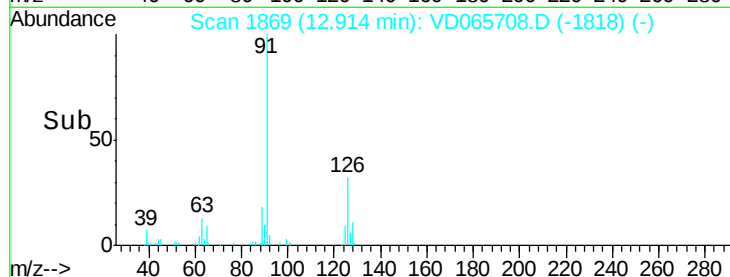
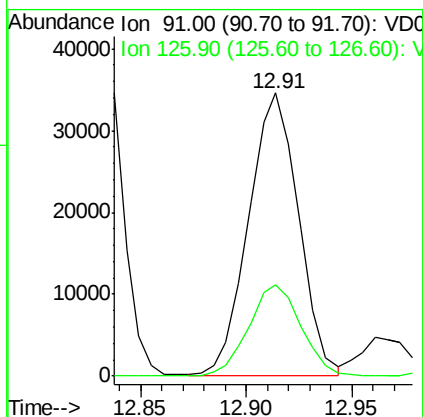
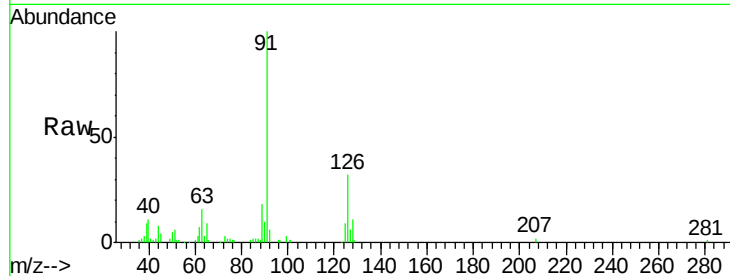




#79  
 2-Chlorotoluene  
 Concen: 4.247 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

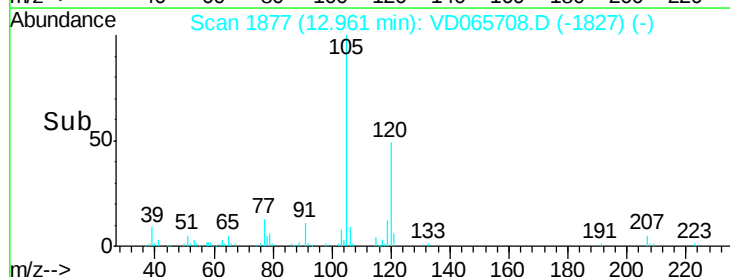
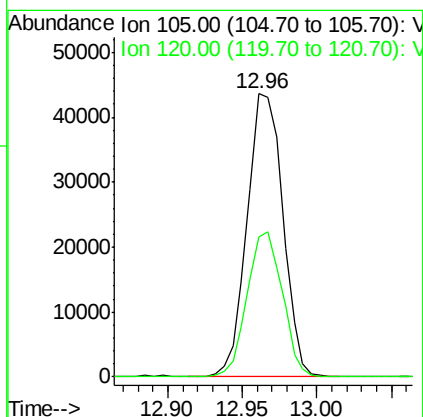
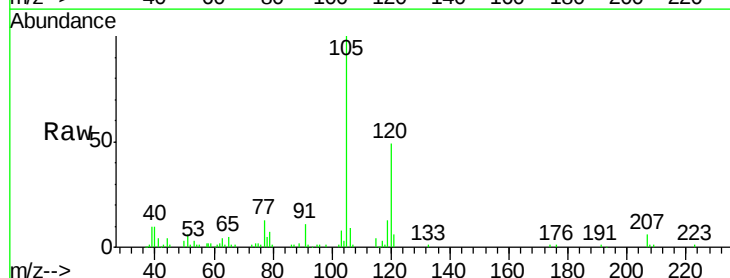
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

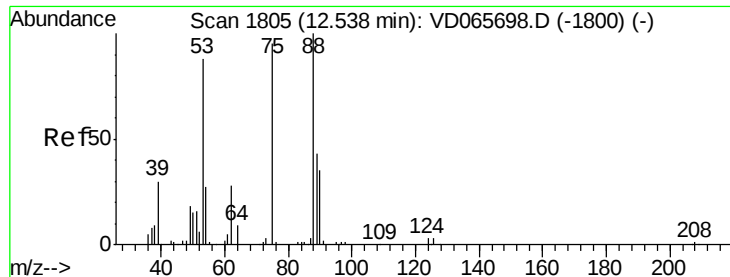
Tot Ion: 91 Resp: 57060  
 Ion Ratio Lower Upper  
 91 100  
 126 33.6 16.9 50.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.365 ug/l  
 RT: 12.96 min Scan# 1877  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 105 Resp: 72365  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.133 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

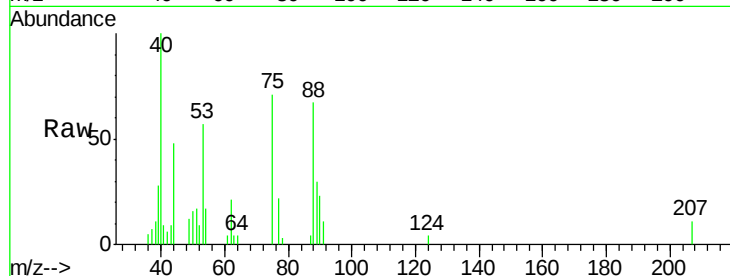
Tot Ion: 75 Resp: 5256

Ion Ratio Lower Upper

75 100

53 100.9 75.8 113.8

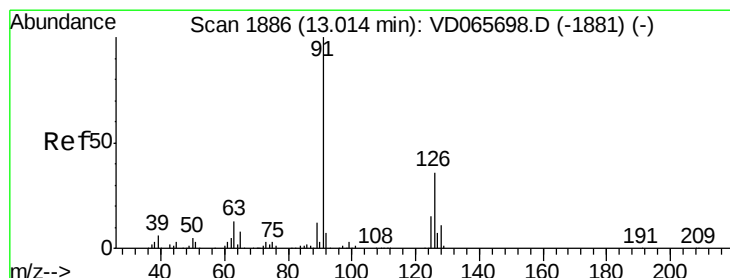
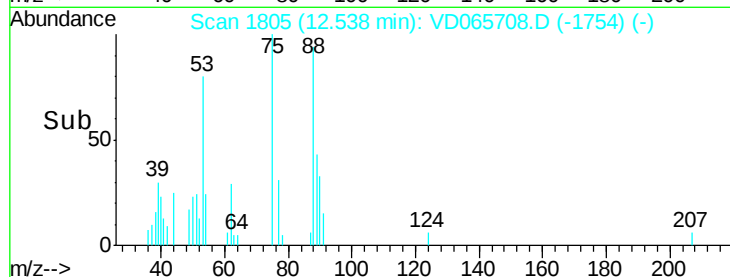
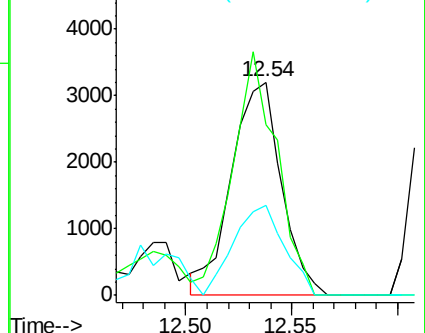
89 43.2 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 4.271 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065708.D

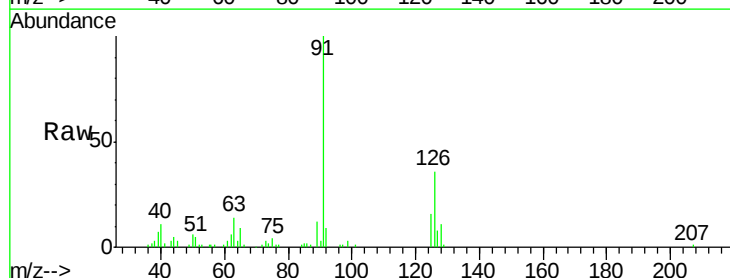
Acq: 07 May 2020 12:56

Tgt Ion: 91 Resp: 60046

Ion Ratio Lower Upper

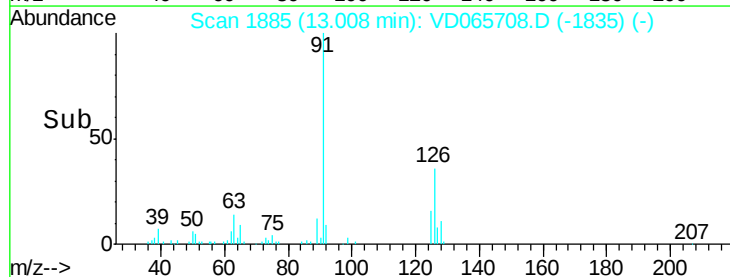
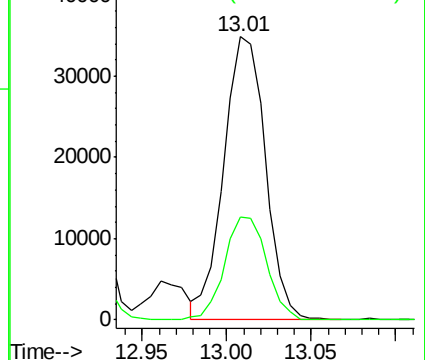
91 100

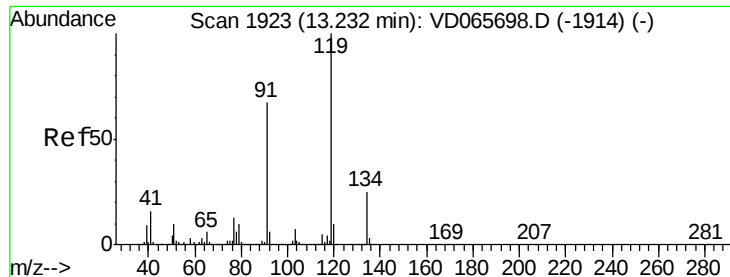
126 36.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

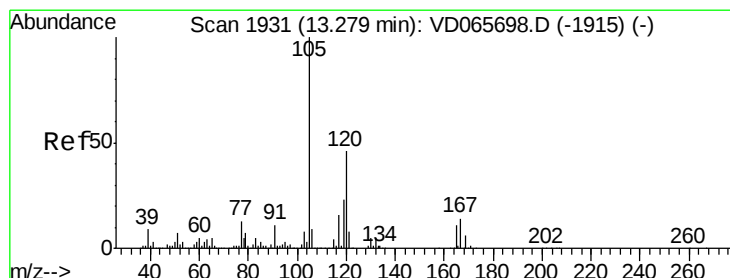
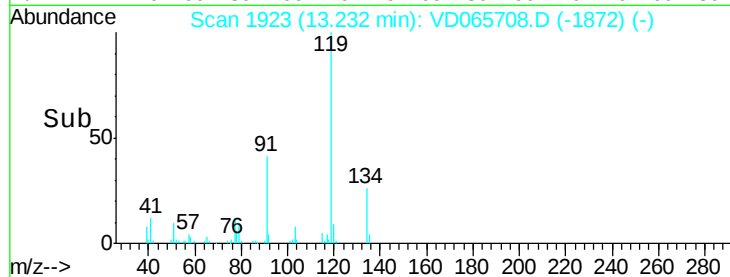
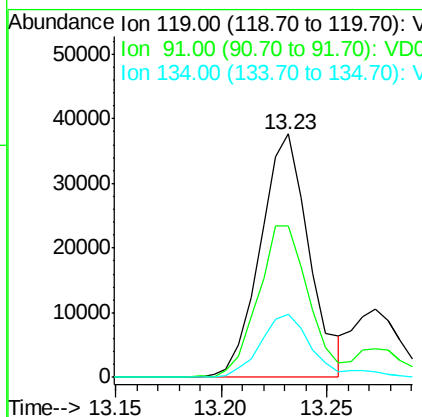
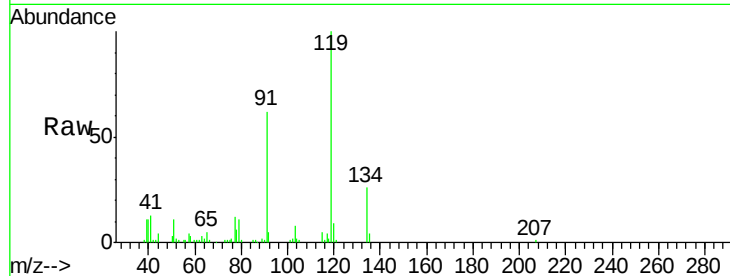




#83  
 tert-Butylbenzene  
 Concen: 4.299 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

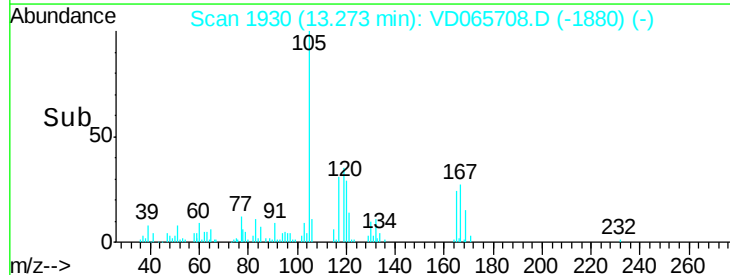
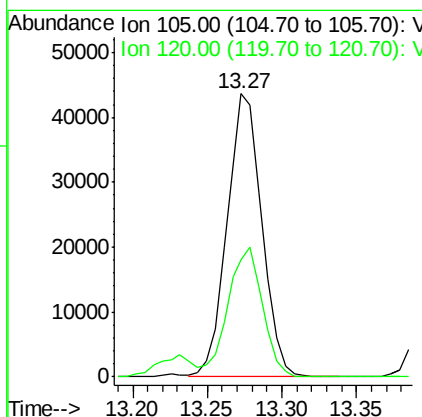
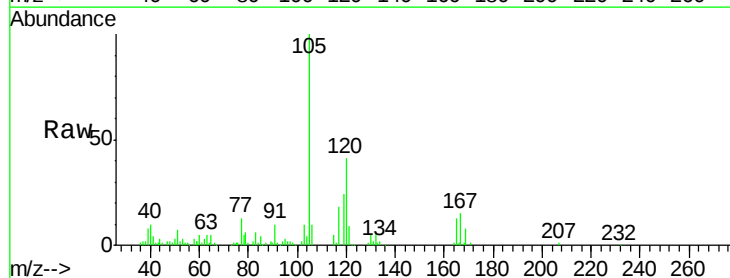
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

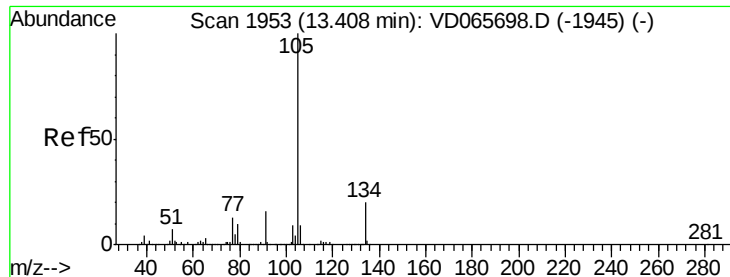
Tot Ion:119 Resp: 60670  
 Ion Ratio Lower Upper  
 119 100  
 91 64.1 33.6 100.8  
 134 28.0 13.6 40.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.295 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion:105 Resp: 70924  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 22.8 68.4





#85

sec-Butylbenzene

Concen: 4.320 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

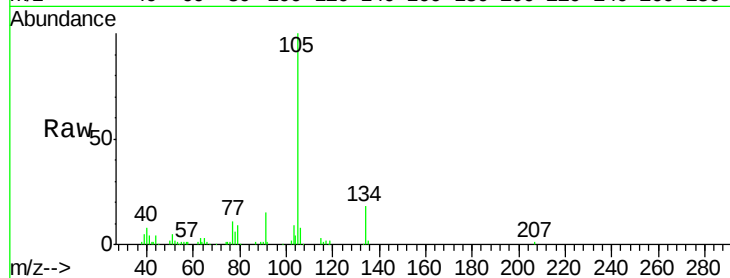
VD0308

Tot Ion:105 Resp: 85511

Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

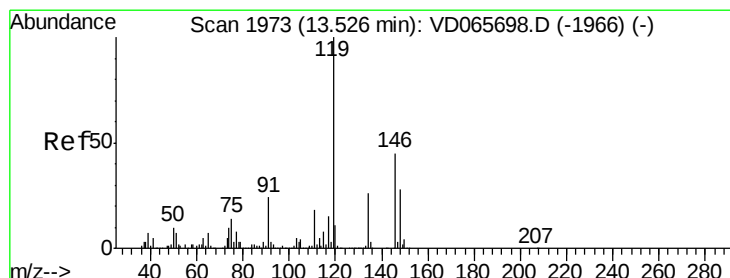
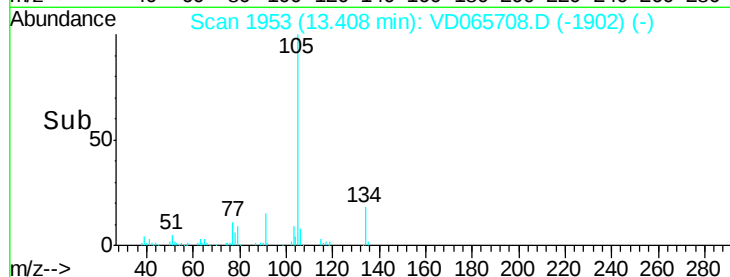
30000

20000

10000

0

Time--> 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 4.419 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

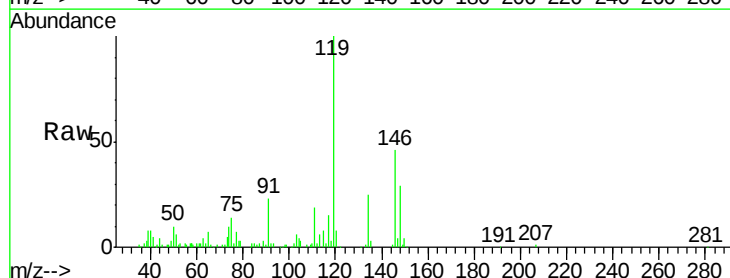
Tgt Ion:119 Resp: 79711

Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.6

91 23.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

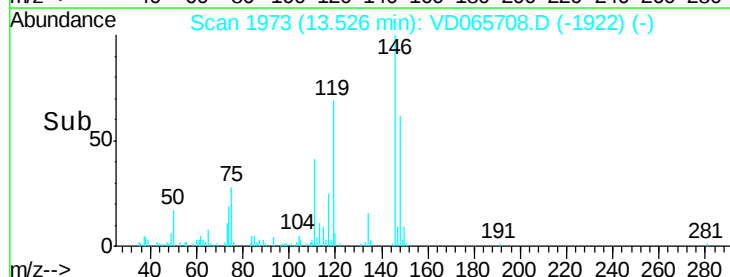
60000

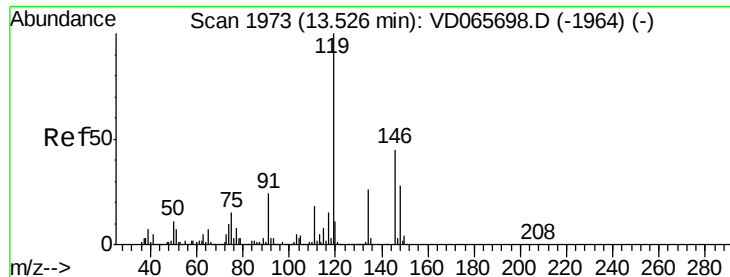
40000

20000

0

Time--> 13.45 13.50 13.55

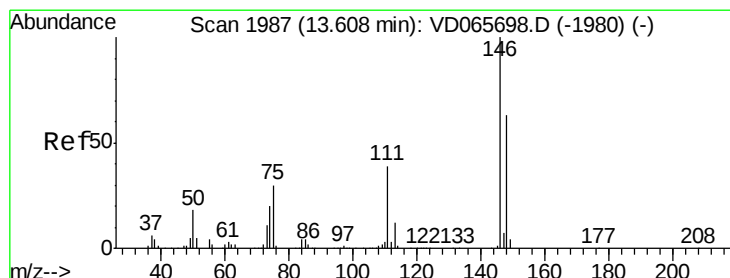
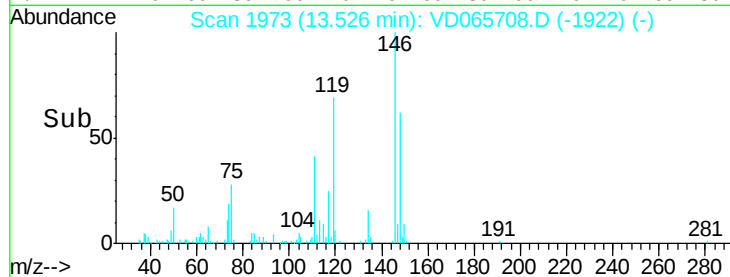
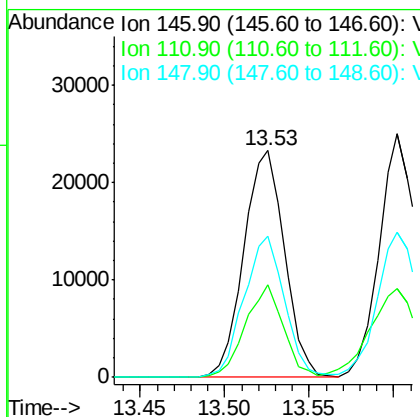
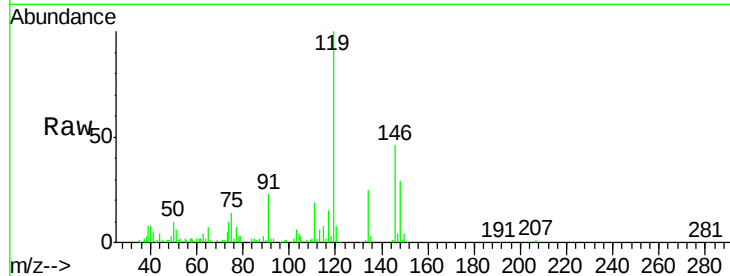




#87  
 1,3-Dichlorobenzene  
 Concen: 4.470 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

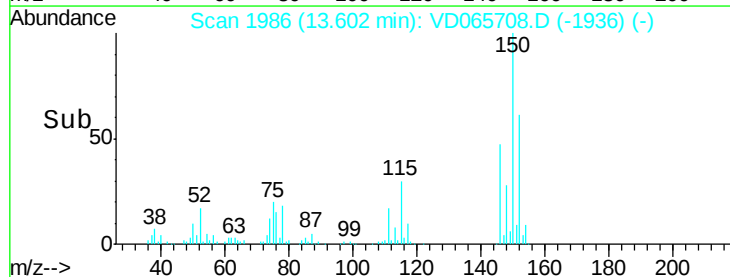
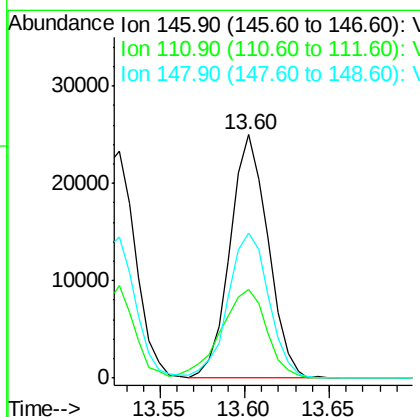
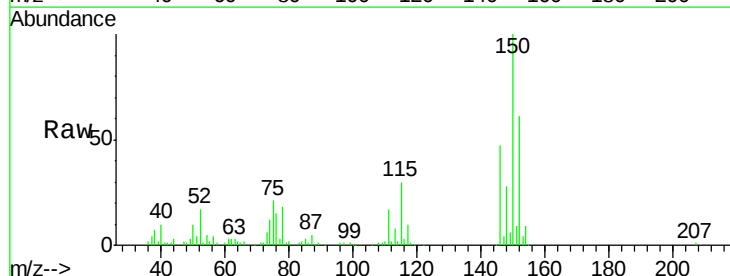
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

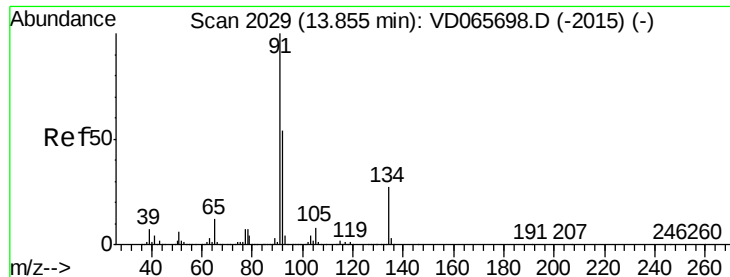
Tot Ion:146 Resp: 38902  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 19.6 58.8  
 148 62.0 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 4.562 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion:146 Resp: 39169  
 Ion Ratio Lower Upper  
 146 100  
 111 43.9 19.6 58.7  
 148 63.9 31.9 95.5





#89

n-Butylbenzene

Concen: 4.201 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

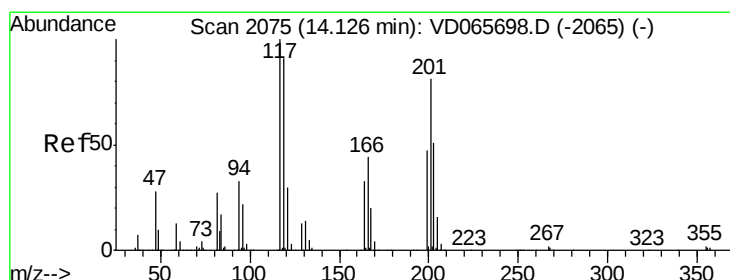
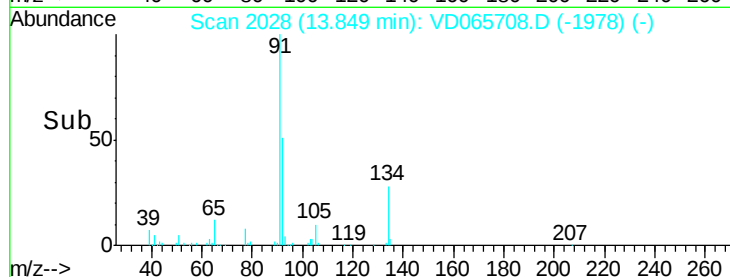
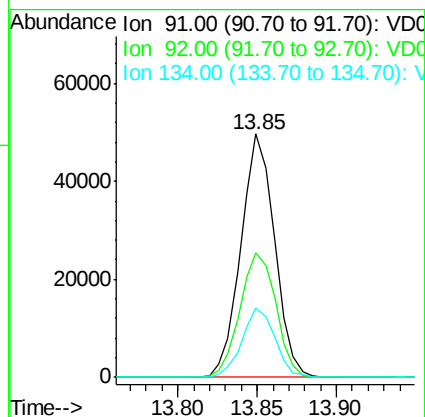
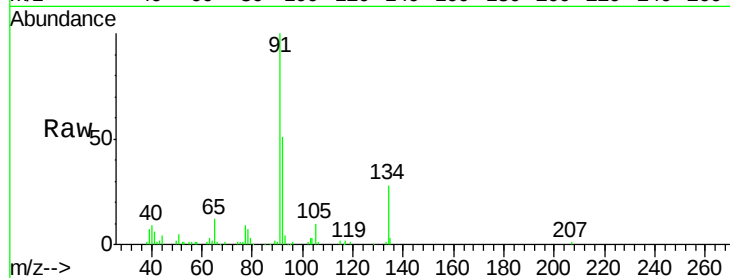
Tot Ion: 91 Resp: 73412

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

134 27.8 13.3 39.8



#90

Hexachloroethane

Concen: 4.323 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065708.D

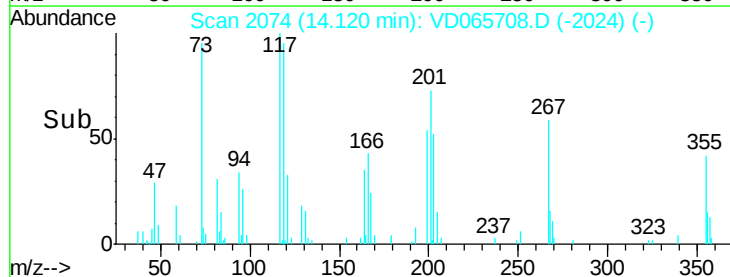
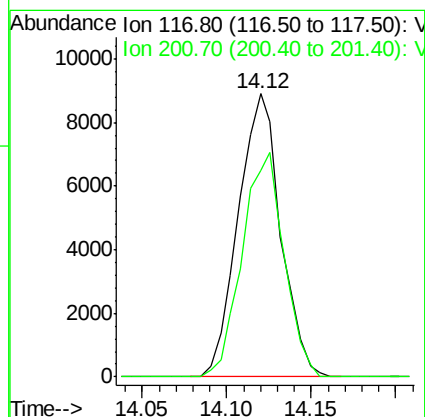
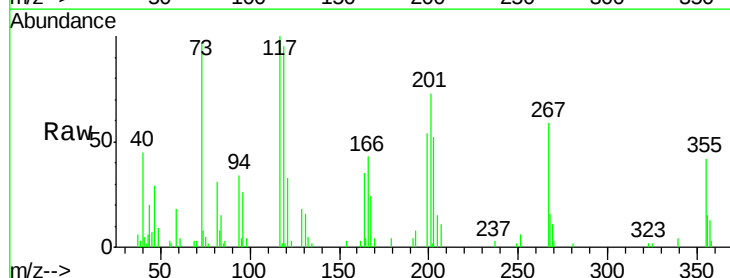
Acq: 07 May 2020 12:56

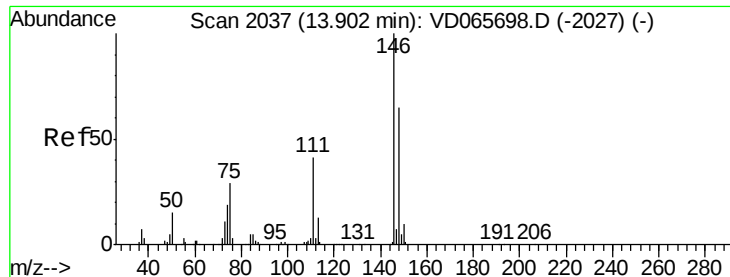
Tgt Ion: 117 Resp: 15532

Ion Ratio Lower Upper

117 100

201 77.9 39.1 117.2

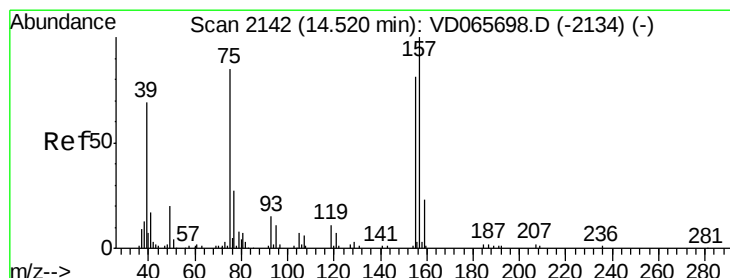
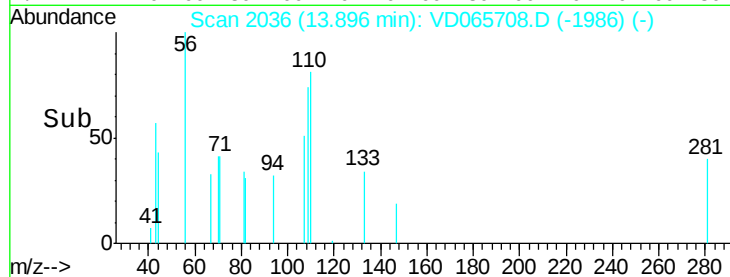
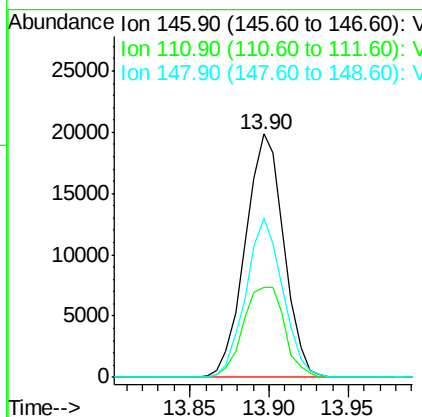
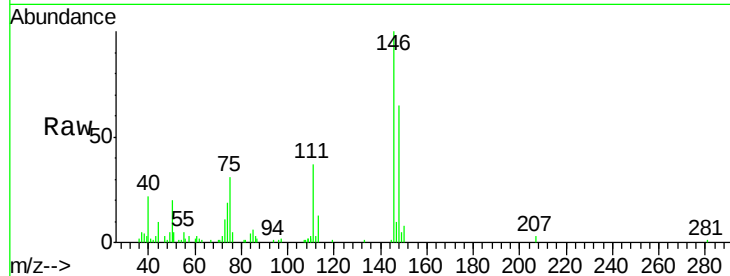




#91  
 1,2-Dichlorobenzene  
 Concen: 4.468 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

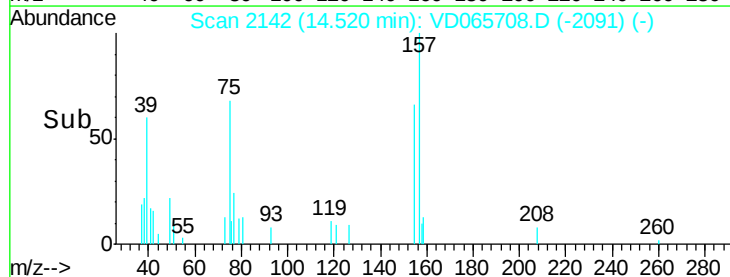
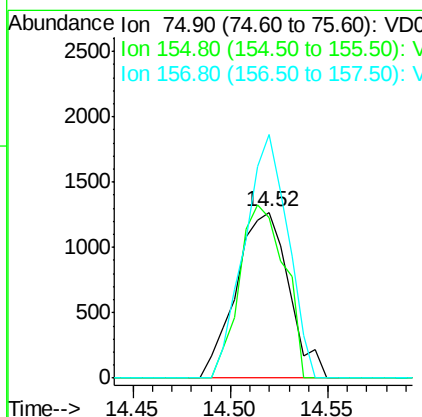
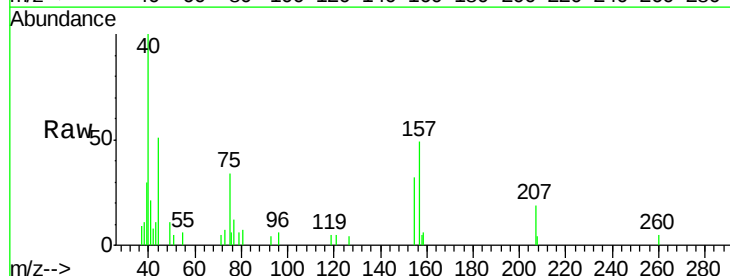
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

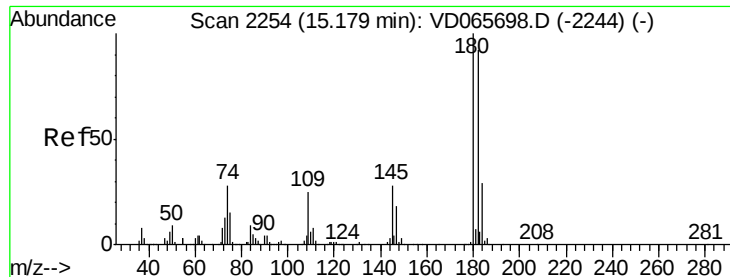
Tot Ion:146 Resp: 33558  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 20.3 61.0  
 148 62.5 31.9 95.9



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.162 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion: 75 Resp: 2369  
 Ion Ratio Lower Upper  
 75 100  
 155 90.3 43.5 130.5  
 157 121.3 54.5 163.6

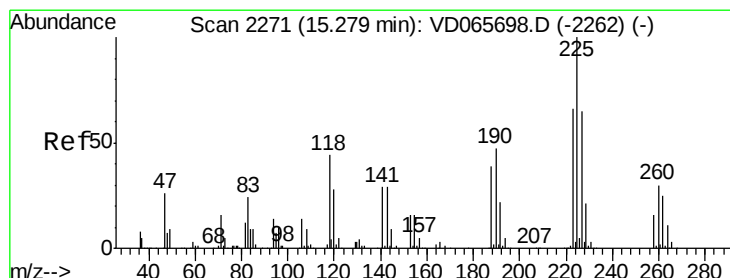
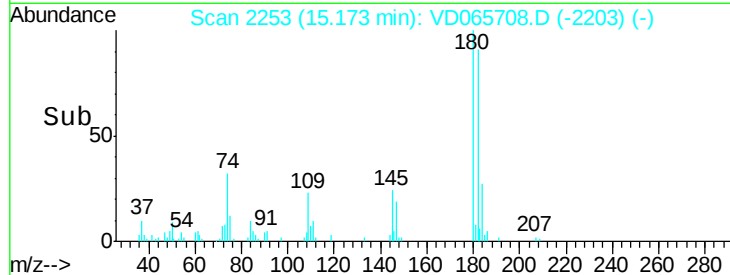
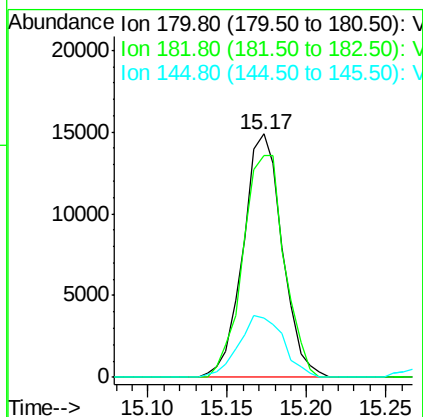
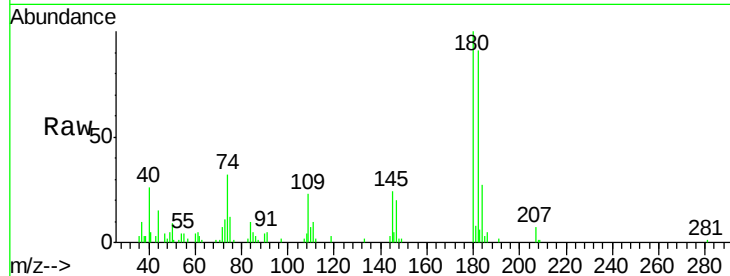




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.535 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

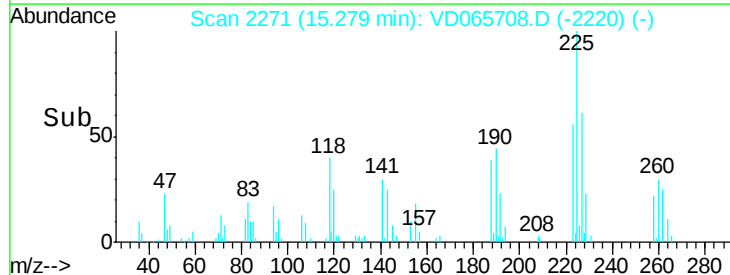
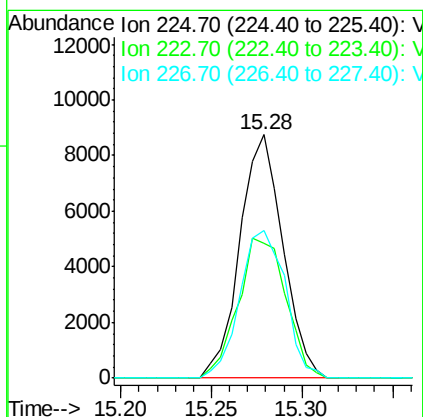
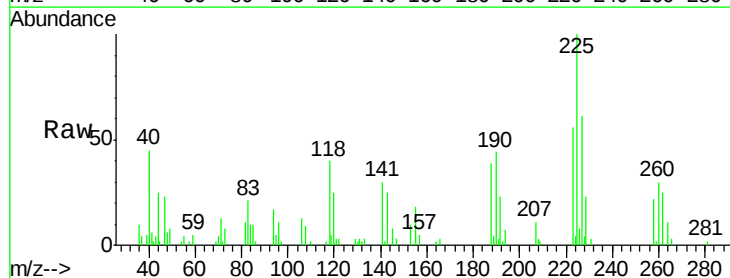
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308

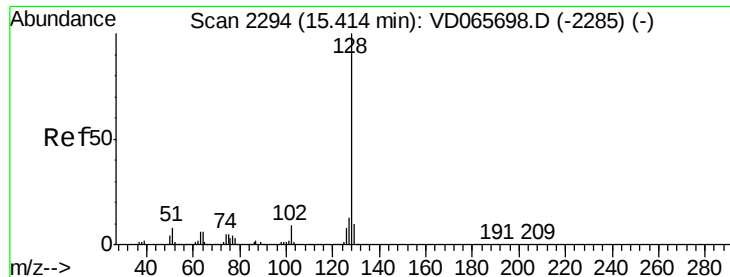
Tot Ion:180 Resp: 25555  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 47.0 141.0  
 145 29.0 14.8 44.3



#94  
 Hexachlorobutadiene  
 Concen: 4.441 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD065708.D  
 Acq: 07 May 2020 12:56

Tgt Ion:225 Resp: 14501  
 Ion Ratio Lower Upper  
 225 100  
 223 63.8 31.8 95.3  
 227 63.7 31.6 94.8





#95

Naphthalene

Concen: 4.487 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

Instrument :

MSVOA\_D

ClientSampleId :

VD0308

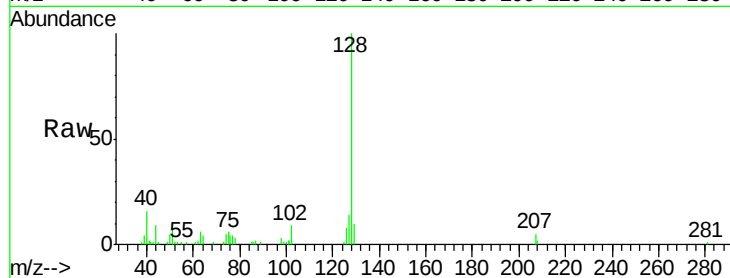
Tot Ion:128 Resp: 44441

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

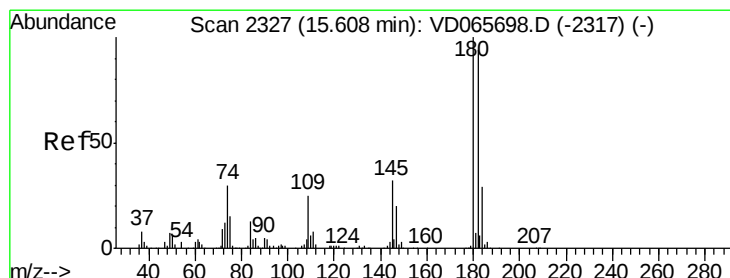
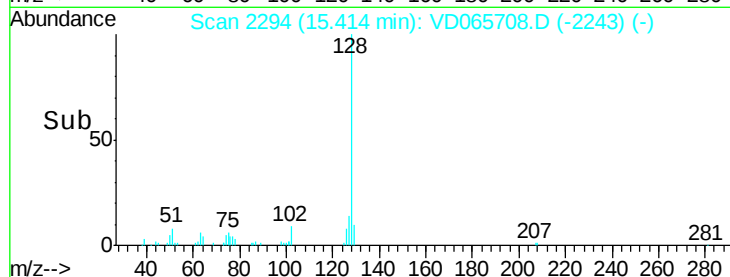
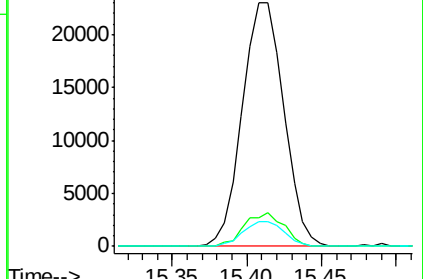
129 10.0 9.0 13.4



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: 4.493 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065708.D

Acq: 07 May 2020 12:56

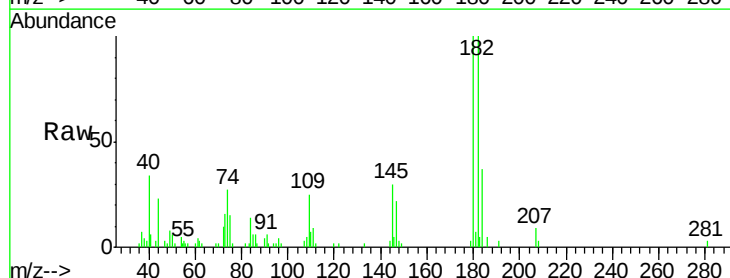
Tgt Ion:180 Resp: 21534

Ion Ratio Lower Upper

180 100

182 96.8 46.9 140.6

145 30.7 16.0 47.9



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

