

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
 Data File : VD061498.D  
 Acq On : 2 Apr 2019 6:44  
 Operator : VA/AP  
 Sample : K2180-09  
 Misc : 8.09g/5ml/MSVOA D/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6D1

Quant Time: Apr 02 09:05:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 14873    | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 34674    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.35 | 117  | 31675    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 14162    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 13087    | 103.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 206.02% |          |
| 35) Dibromofluoromethane    | 6.90  | 113  | 15064    | 56.85  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 113.70% |          |
| 50) Toluene-d8              | 10.39 | 98   | 29639    | 46.64  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 93.28%  |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 13703    | 56.23  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 112.46% |          |

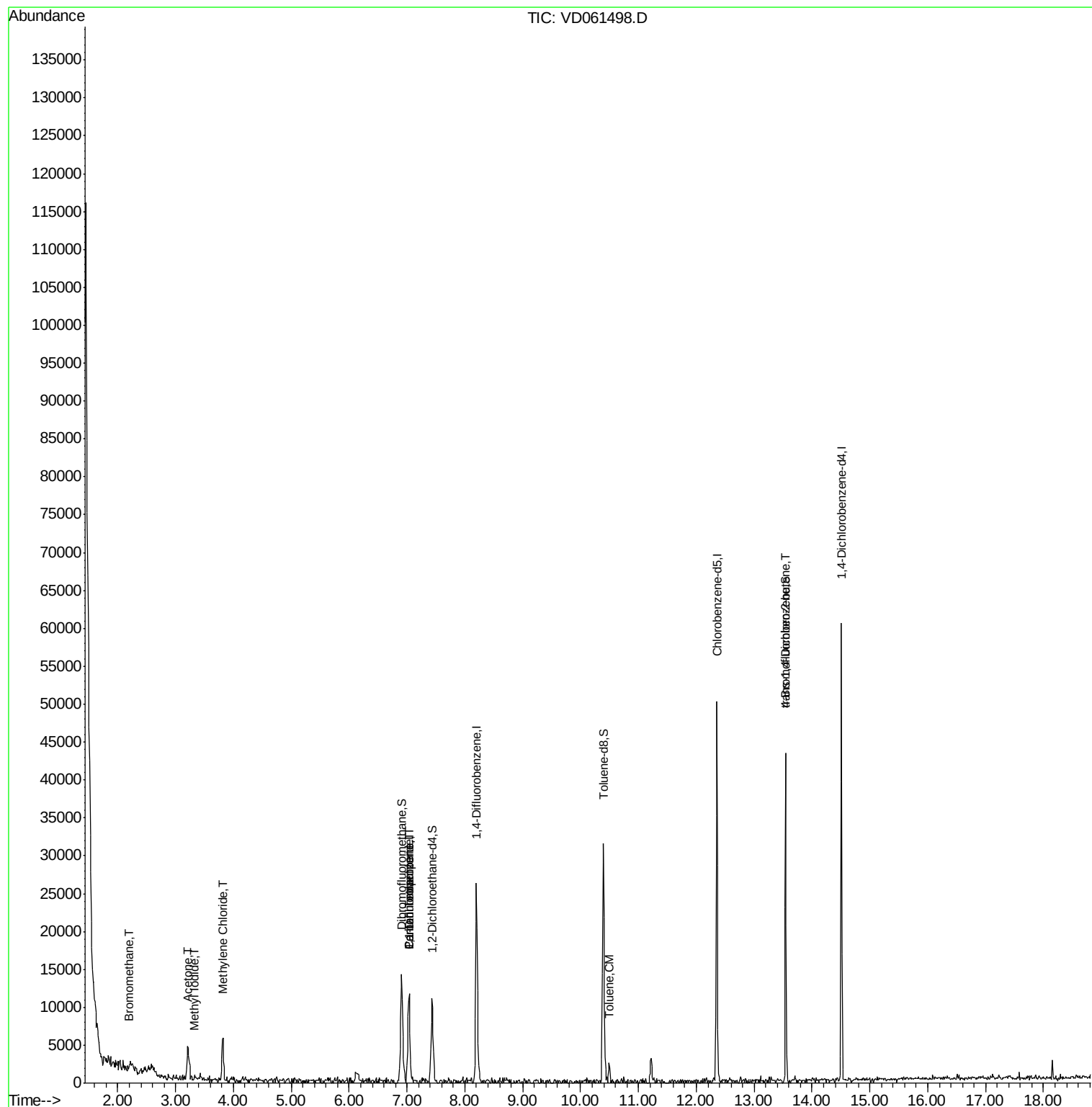
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 5) Bromomethane                | 2.18  | 94   | 220      | 9.328   | ug/l # | 1      |
| 10) Methyl Iodide              | 3.33  | 142  | 873      | 6.340   | ug/l # | 38     |
| 16) Acetone                    | 3.21  | 43   | 9584     | 293.442 | ug/l   | 99     |
| 20) Methylene Chloride         | 3.81  | 84   | 3383     | 17.232  | ug/l   | 94     |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 526      | 1.738   | ug/l # | 38     |
| 38) Carbon Tetrachloride       | 7.04  | 117  | 472      | 1.357   | ug/l # | 10     |
| 52) Toluene                    | 10.49 | 92   | 1323     | 2.855   | ug/l   | 89     |
| 81) trans-1,4-Dichloro-2-buten | 13.54 | 75   | 5138     | 82.373  | ug/l # | 18     |

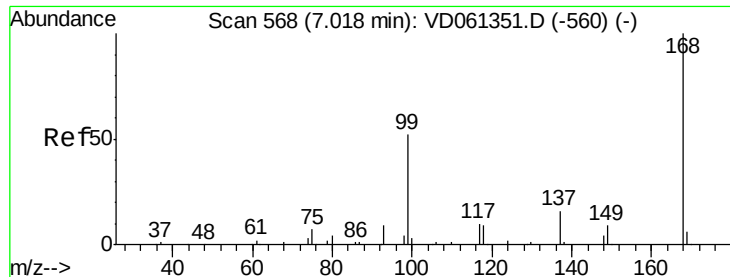
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
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Sample : K2180-09  
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ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-6D1

Quant Time: Apr 02 09:05:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 28 09:22:37 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA\_D

ClientSampleId :

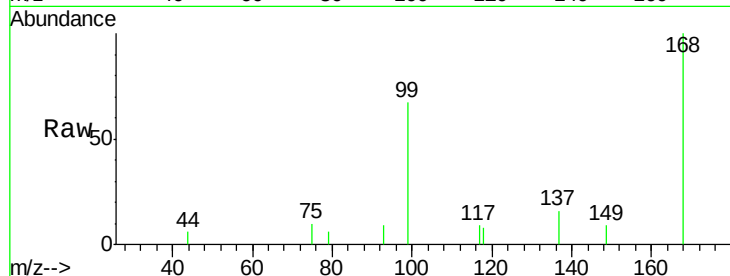
TP-6D1

Tot Ion:168 Resp: 14873

Ion Ratio Lower Upper

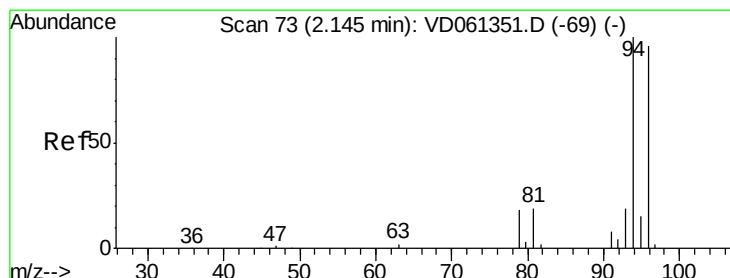
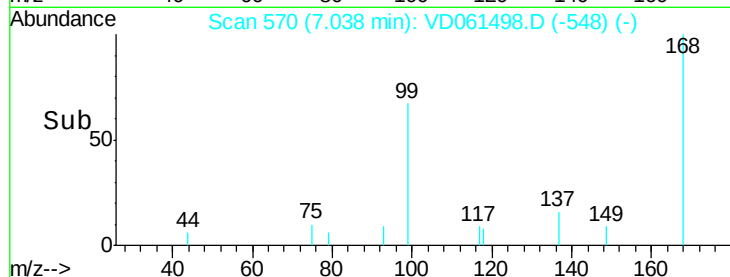
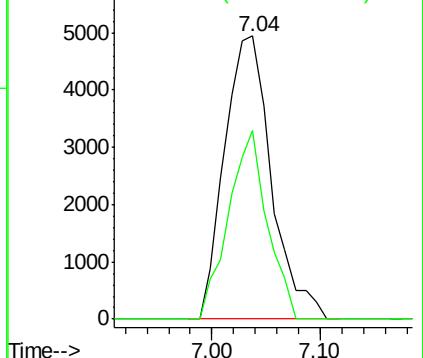
168 100

99 66.6 43.1 64.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 9.328 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

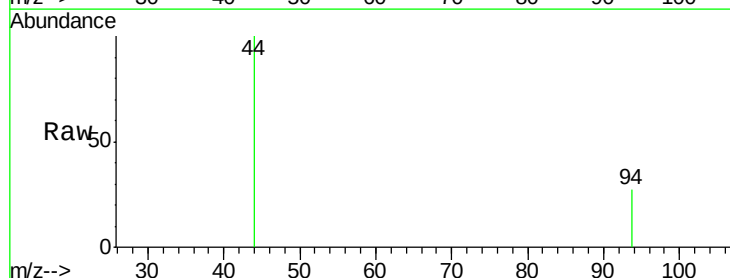
Tgt Ion: 94 Resp: 220

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

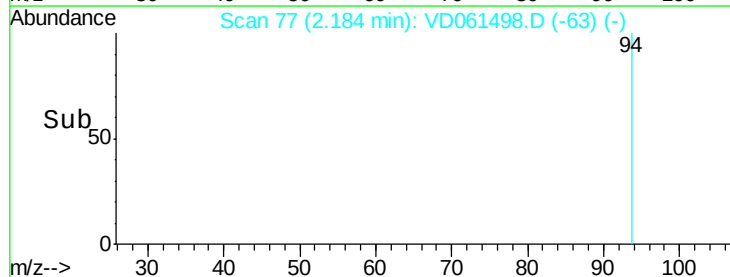
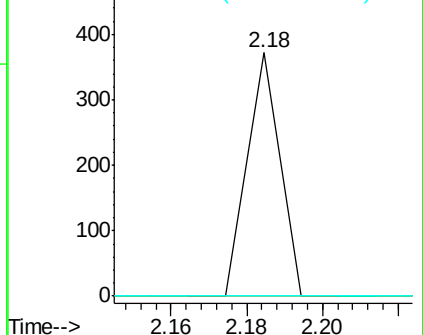
93 100.0 15.6 23.4#

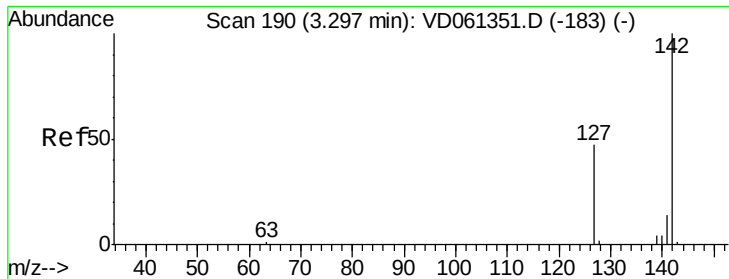


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

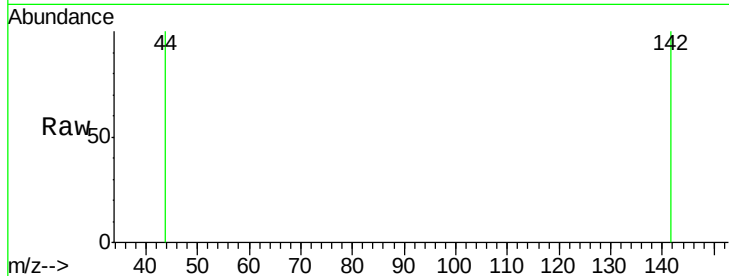




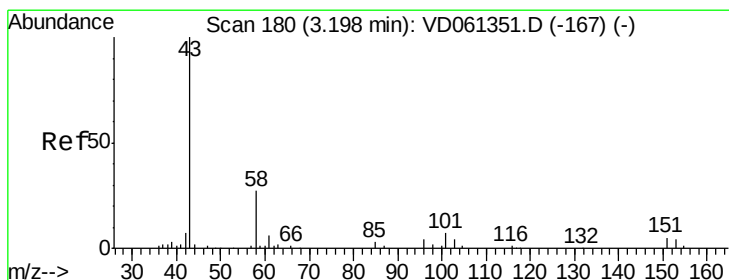
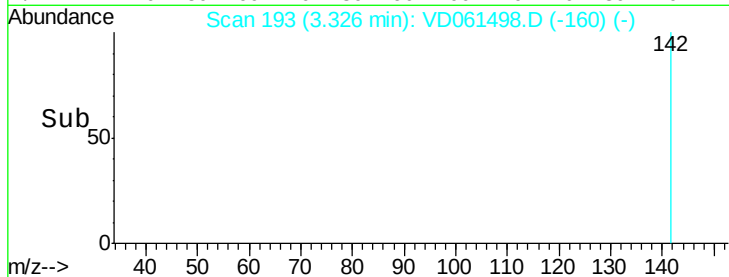
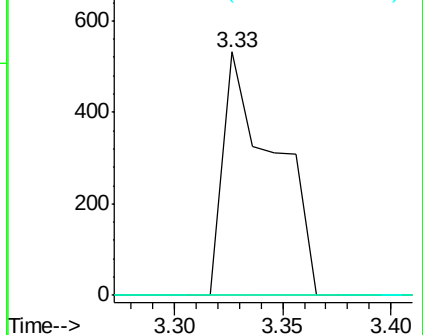
#10  
Methvl Iodide  
Concen: 6.340 ug/l  
RT: 3.33 min Scan# 193  
Delta R.T. 0.03 min  
Lab File: VD061498.D  
Acq: 2 Apr 2019 6:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-6D1

Tot Ion:142 Resp: 873  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.7 56.5#  
141 0.0 11.5 17.3#

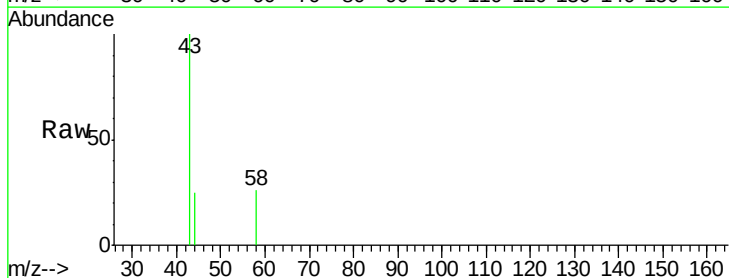


Abundance Ion 141.85 (141.55 to 142.55): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.85 (140.55 to 141.55): V

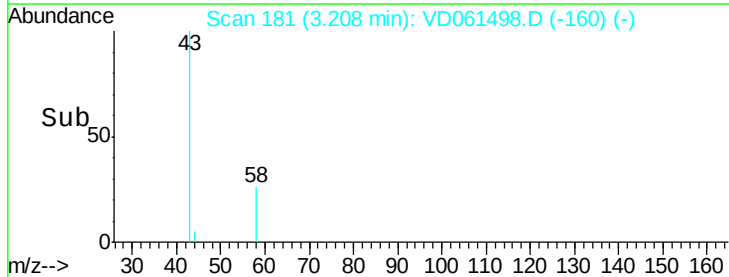
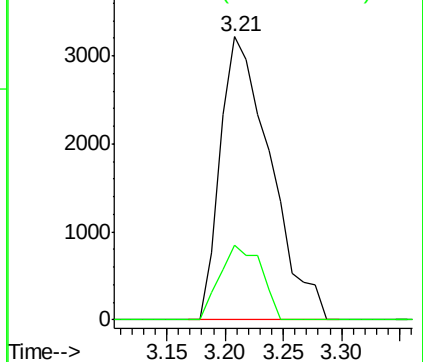


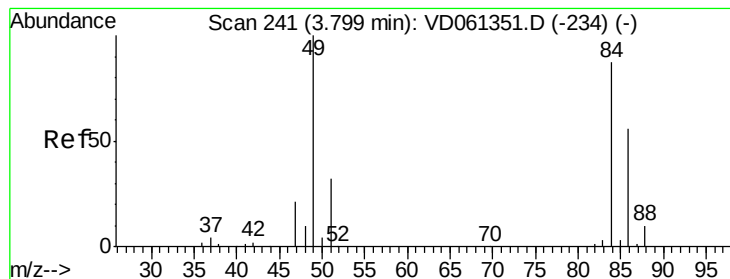
#16  
Acetone  
Concen: 293.442 ug/l  
RT: 3.21 min Scan# 181  
Delta R.T. 0.01 min  
Lab File: VD061498.D  
Acq: 2 Apr 2019 6:44

Tgt Ion: 43 Resp: 9584  
Ion Ratio Lower Upper  
43 100  
58 26.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): V  
Ion 57.95 (57.65 to 58.65): V





#20

Methylene Chloride

Concen: 17.232 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA\_D

ClientSampleId :

TP-6D1

Tot Ion: 84 Resp: 3383

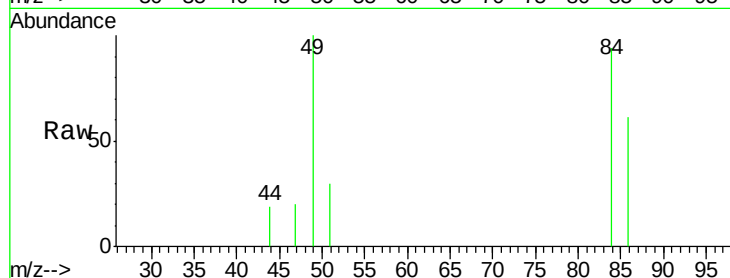
Ion Ratio Lower Upper

84 100

49 106.8 91.8 137.8

51 32.1 29.8 44.8

86 65.3 51.8 77.6

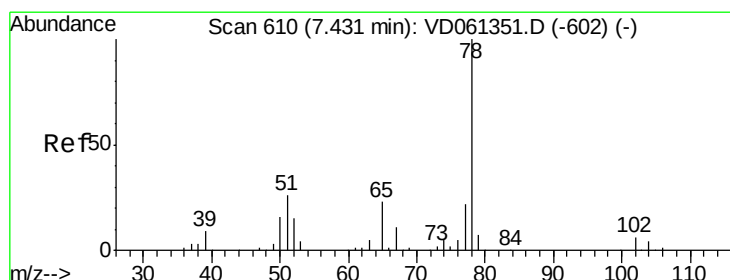
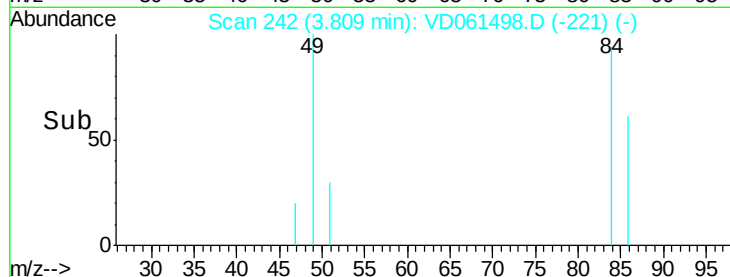
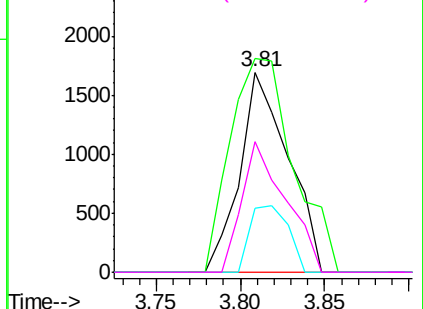


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061498.D

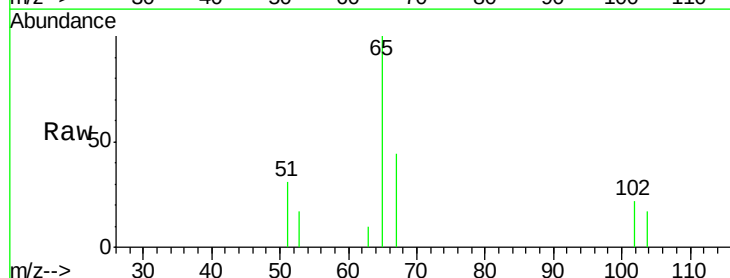
Acq: 2 Apr 2019 6:44

Tgt Ion: 65 Resp: 13087

Ion Ratio Lower Upper

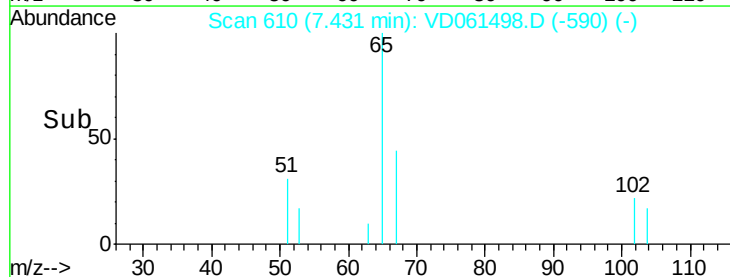
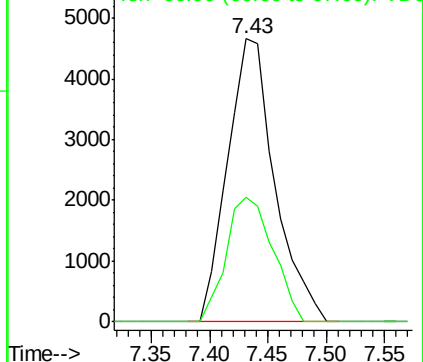
65 100

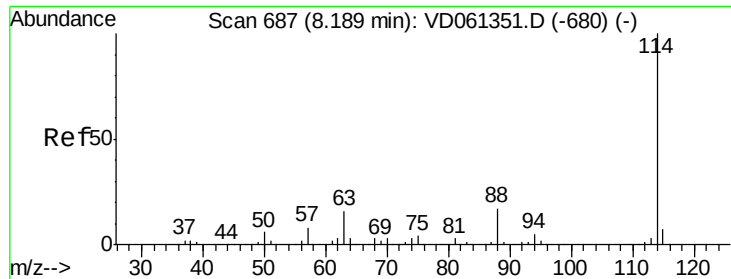
67 44.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

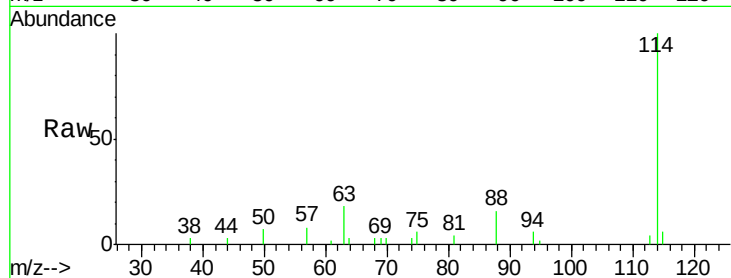




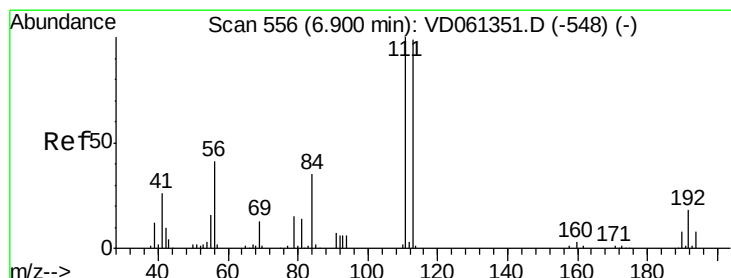
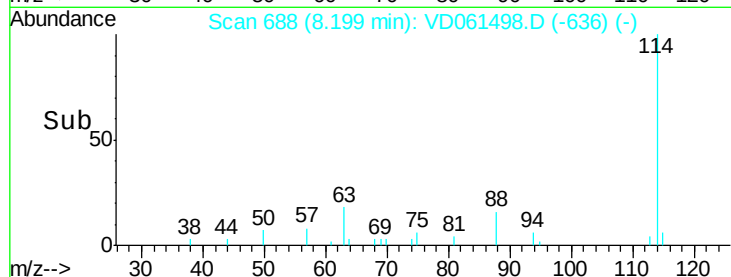
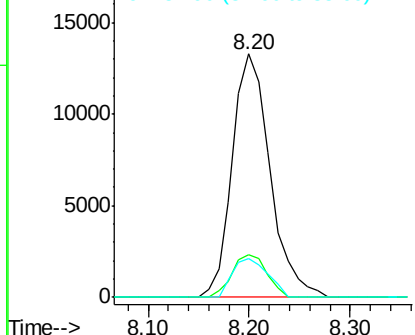
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.20 min Scan# 688  
 Delta R.T. 0.01 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6D1

Tot Ion:114 Resp: 34674  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 31.6  
 88 16.0 0.0 33.4

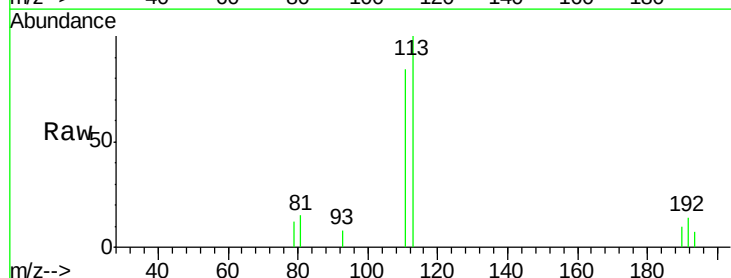


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

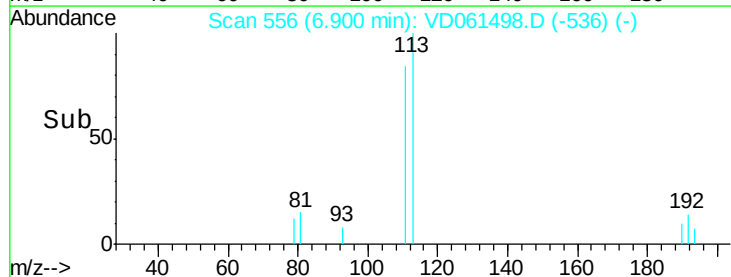
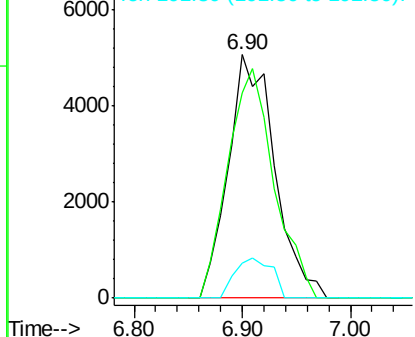


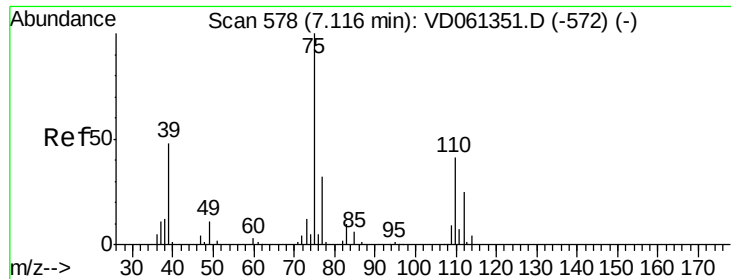
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.90 min Scan# 556  
 Delta R.T. 0.00 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

Tgt Ion:113 Resp: 15064  
 Ion Ratio Lower Upper  
 113 100  
 111 84.2 81.0 121.6  
 192 14.4 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

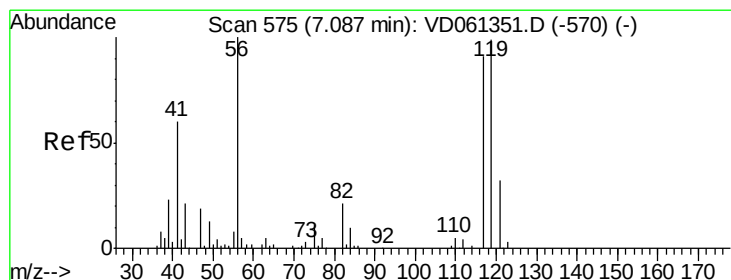
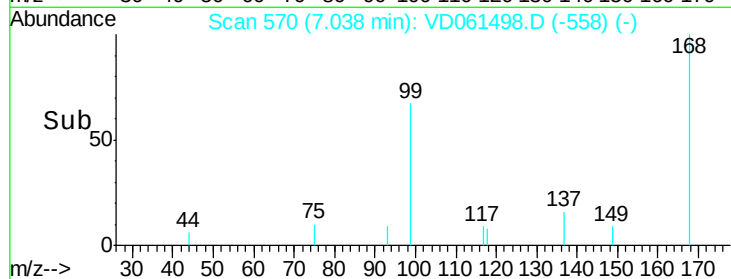
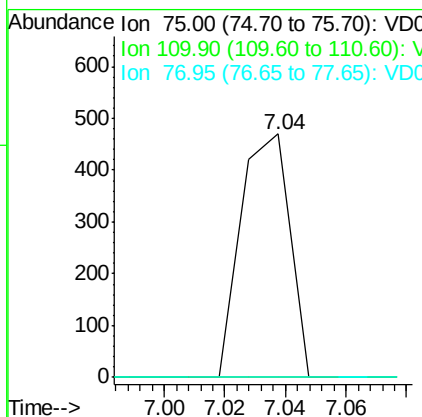
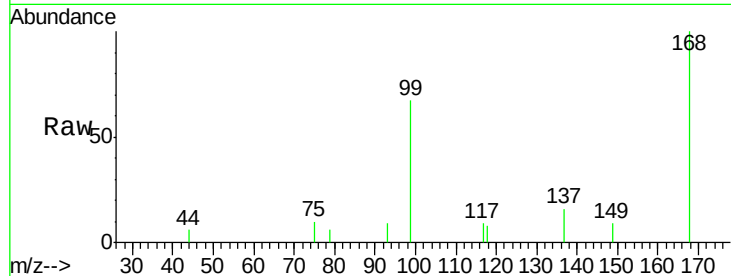




#36  
 1,1-Dichloropropene  
 Concen: 1.738 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.08 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

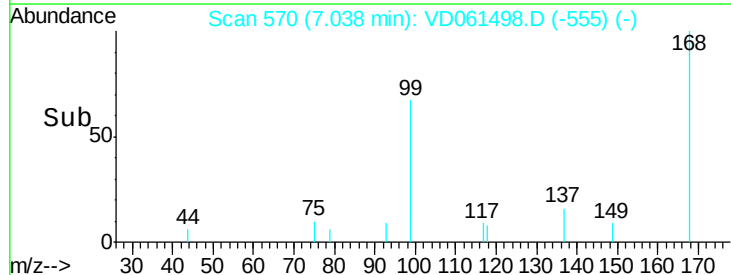
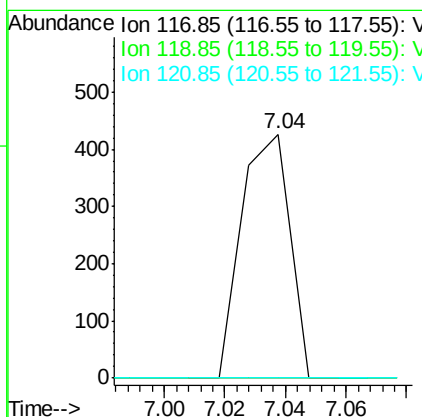
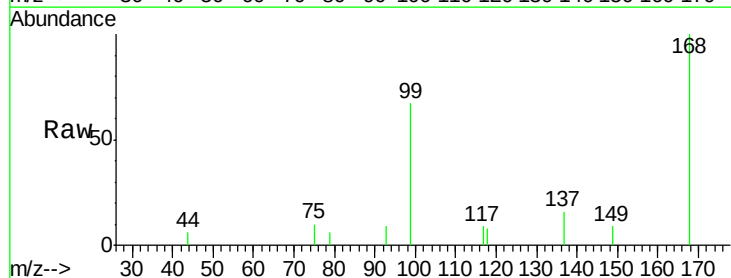
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 TP-6D1

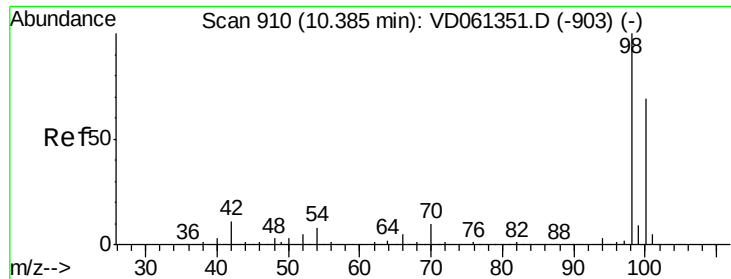
Tot Ion: 75 Resp: 526  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 20.4 61.3#  
 77 0.0 24.9 37.3#



#38  
 Carbon Tetrachloride  
 Concen: 1.357 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.05 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

Tgt Ion: 117 Resp: 472  
 Ion Ratio Lower Upper  
 117 100  
 119 0.0 80.1 120.1#  
 121 0.0 25.6 38.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA\_D

ClientSampleId :

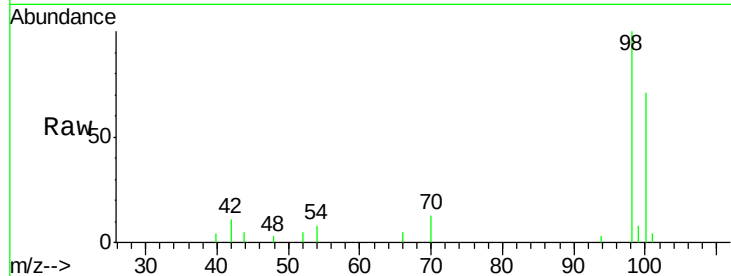
TP-6D1

Tot Ion: 98 Resp: 29639

Ion Ratio Lower Upper

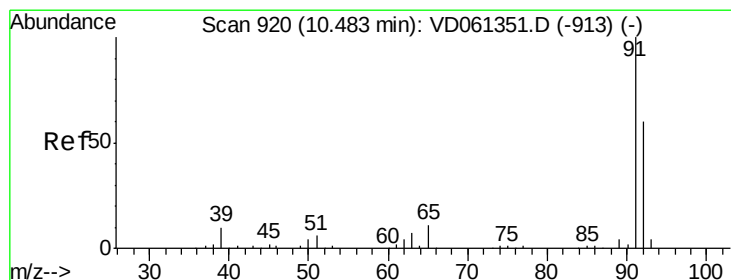
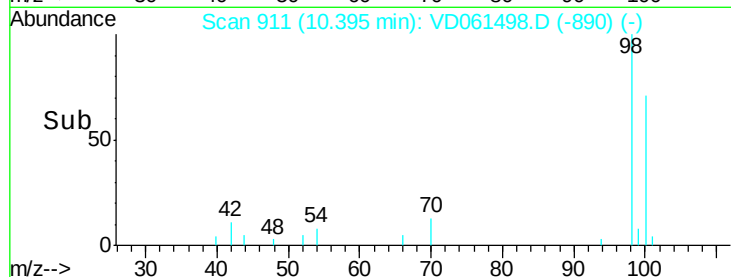
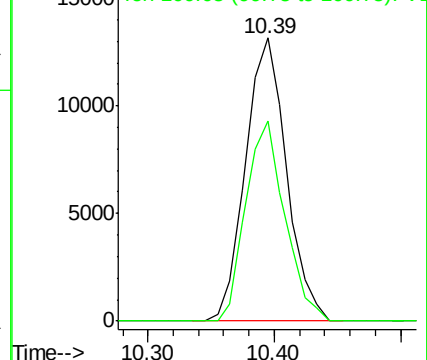
98 100

100 70.6 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 2.855 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061498.D

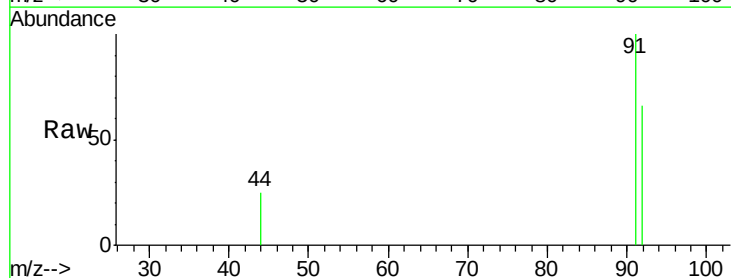
Acq: 2 Apr 2019 6:44

Tgt Ion: 92 Resp: 1323

Ion Ratio Lower Upper

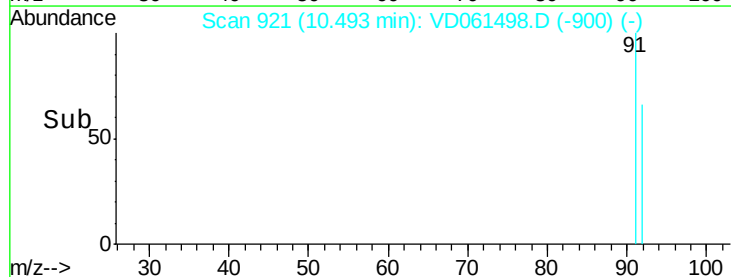
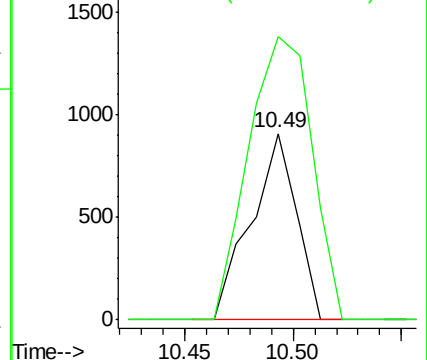
92 100

91 152.0 133.3 199.9

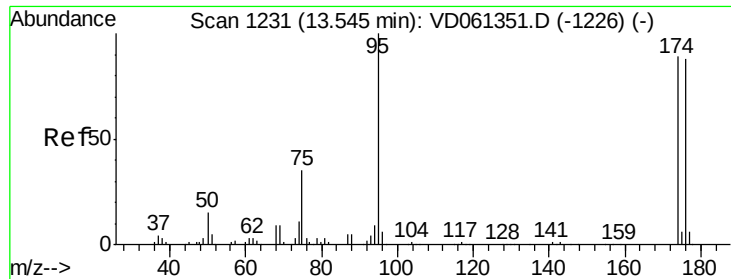


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



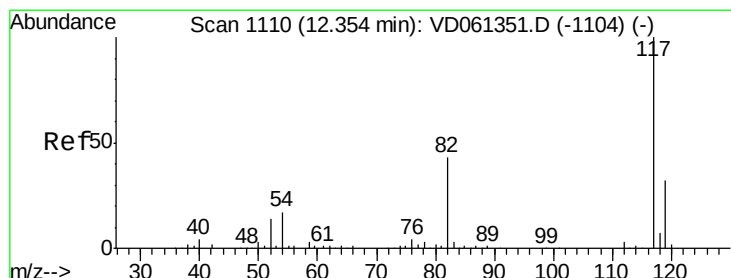
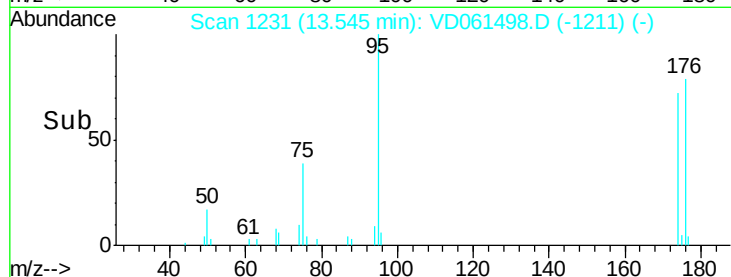
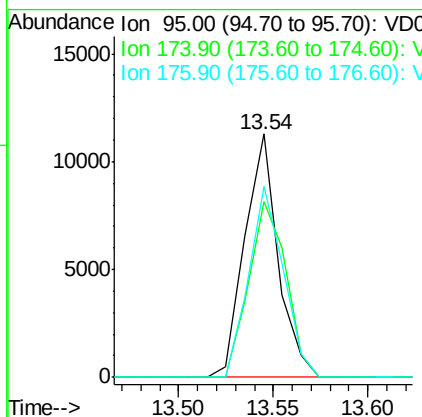
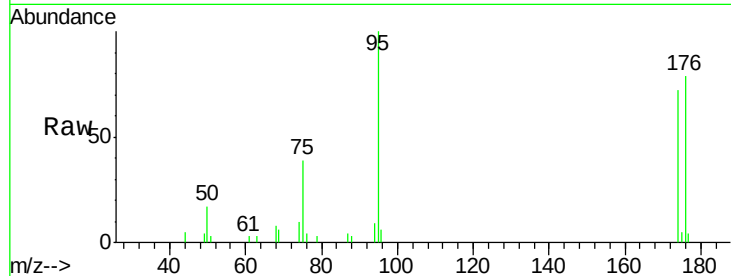




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.54 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VD061498.D  
Acq: 2 Apr 2019 6:44

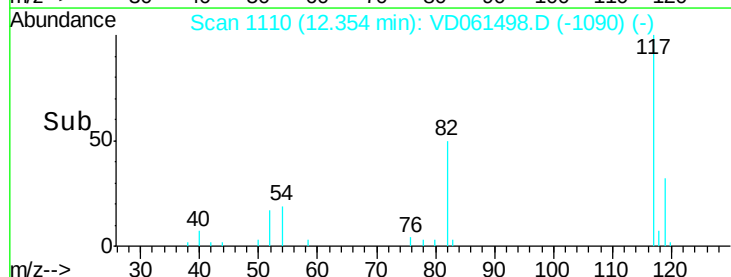
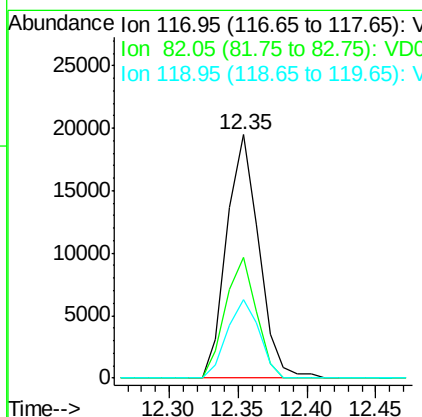
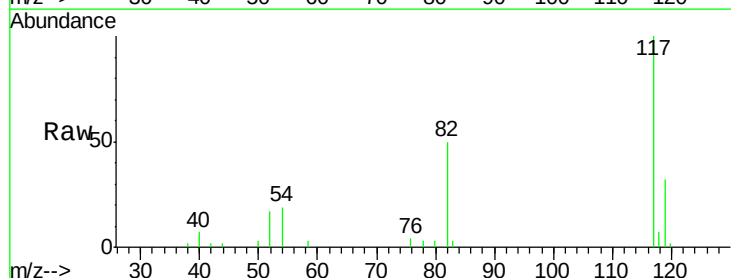
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-6D1

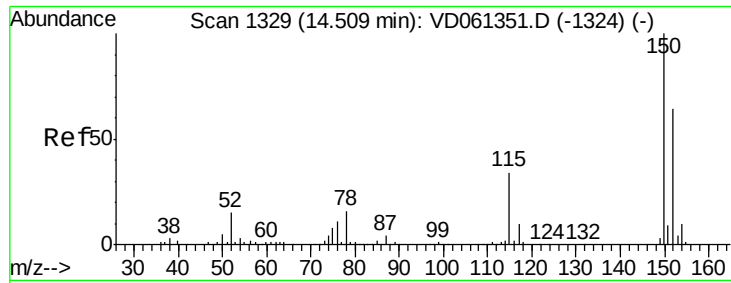
Tot Ion: 95 Resp: 13703  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 178.0  
176 78.6 0.0 175.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. 0.00 min  
Lab File: VD061498.D  
Acq: 2 Apr 2019 6:44

Tgt Ion: 117 Resp: 31675  
Ion Ratio Lower Upper  
117 100  
82 49.8 34.4 51.6  
119 32.2 25.8 38.6

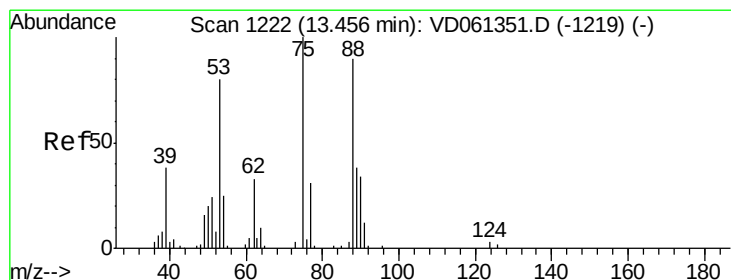
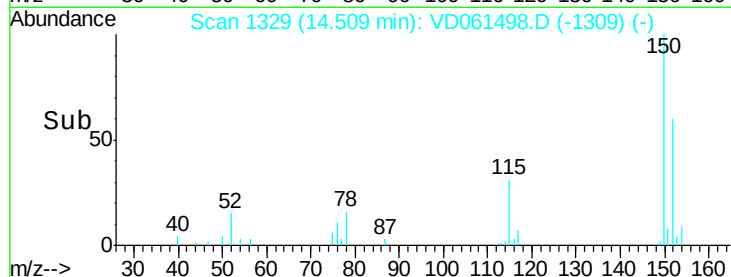
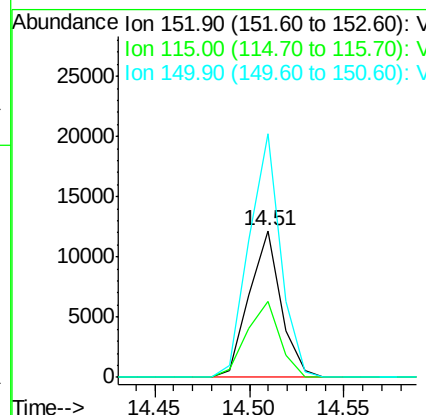
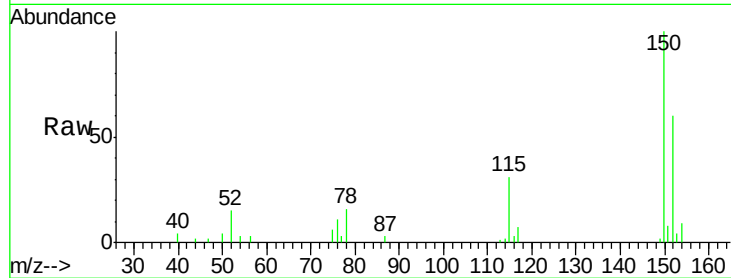




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1329  
 Delta R.T. 0.00 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6D1

Tot Ion:152 Resp: 14162  
 Ion Ratio Lower Upper  
 152 100  
 115 51.5 26.9 80.6  
 150 166.3 0.0 318.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 82.373 ug/l  
 RT: 13.54 min Scan# 1231  
 Delta R.T. 0.09 min  
 Lab File: VD061498.D  
 Acq: 2 Apr 2019 6:44

Tgt Ion: 75 Resp: 5138  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 63.8 95.8#  
 89 0.0 30.5 45.7#

