

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
 Data File : VD061496.D  
 Acq On : 2 Apr 2019 5:49  
 Operator : VA/AP  
 Sample : K2180-02  
 Misc : 6.05g/5ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-7-2

Quant Time: Apr 02 07:02:18 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

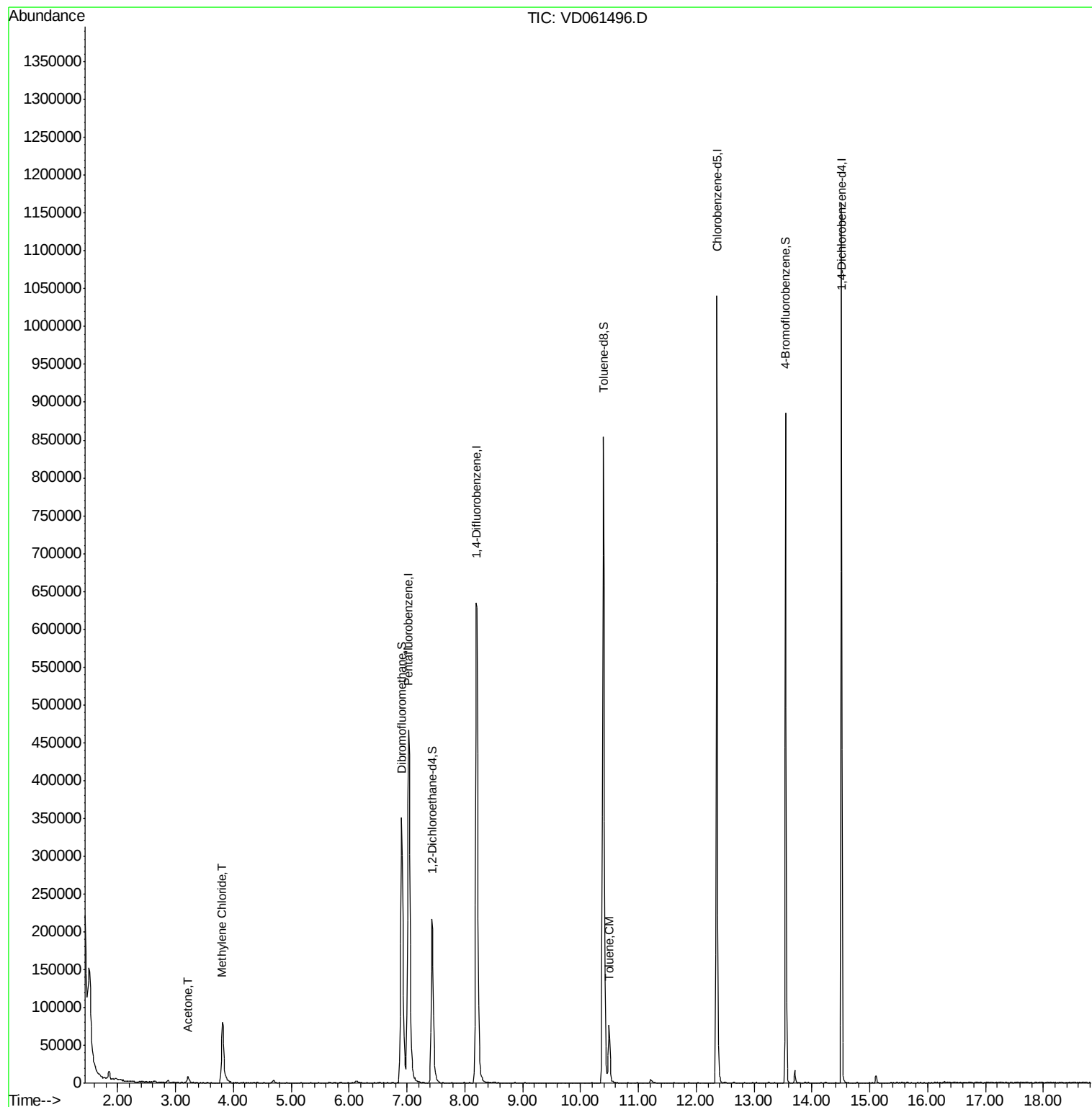
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.03  | 168  | 485949   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 834326   | 50.00  | ug/l    | 0.02     |
| 63) Chlorobenzene-d5        | 12.35 | 117  | 640312   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 255515   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 213191   | 51.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.72% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 340585   | 53.42  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.84% |          |
| 50) Toluene-d8              | 10.39 | 98   | 751351   | 49.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.26%  |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 264194   | 45.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 18057    | 16.921 | ug/l #  | 86       |
| 20) Methylene Chloride      | 3.81  | 84   | 62375    | 8.854  | ug/l    | 95       |
| 52) Toluene                 | 10.49 | 92   | 42134    | 3.779  | ug/l    | 98       |

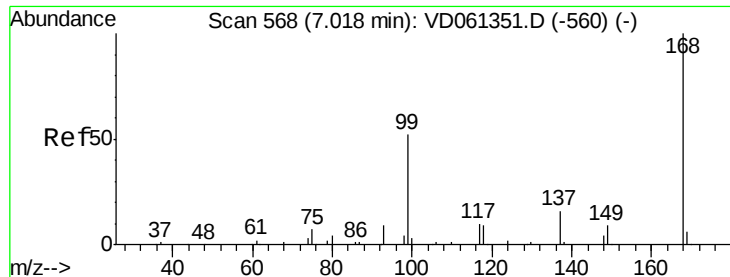
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-7-2

Quant Time: Apr 02 07:02:18 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: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA\_D

ClientSampleId :

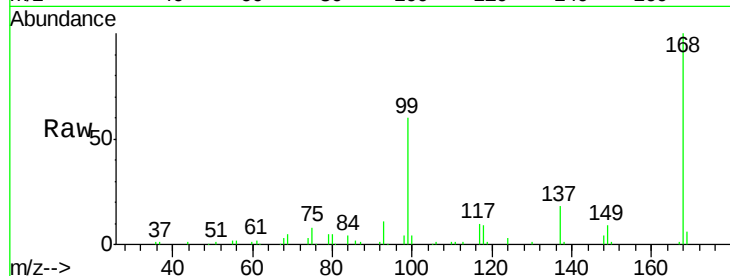
TP-7-2

Tot Ion:168 Resp: 485949

Ion Ratio Lower Upper

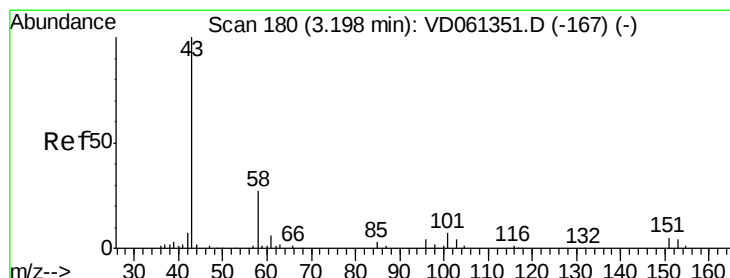
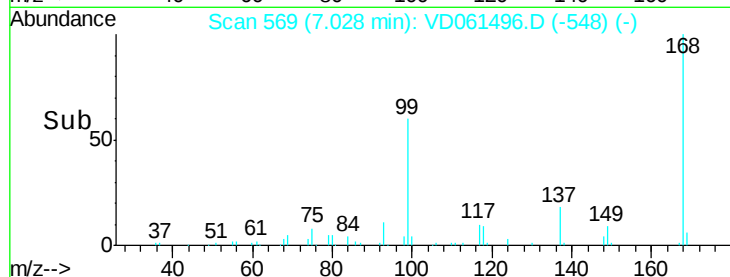
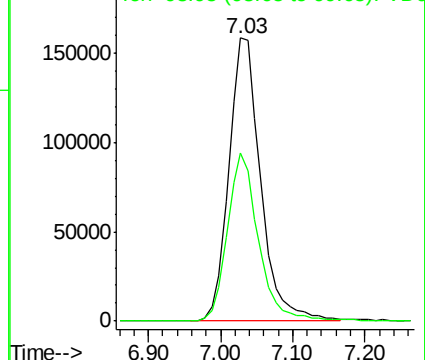
168 100

99 59.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 16.921 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061496.D

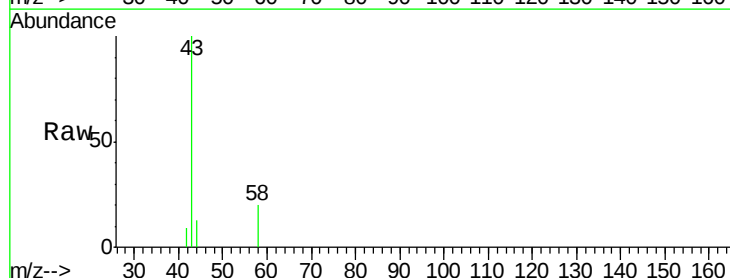
Acq: 2 Apr 2019 5:49

Tgt Ion: 43 Resp: 18057

Ion Ratio Lower Upper

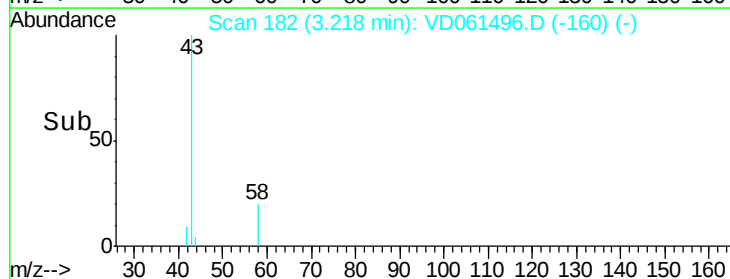
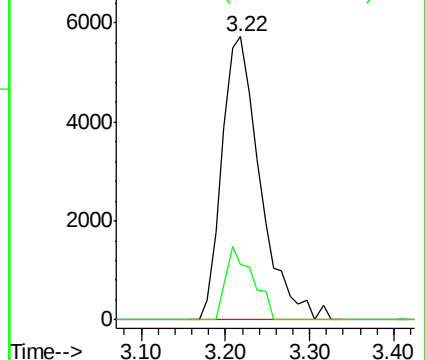
43 100

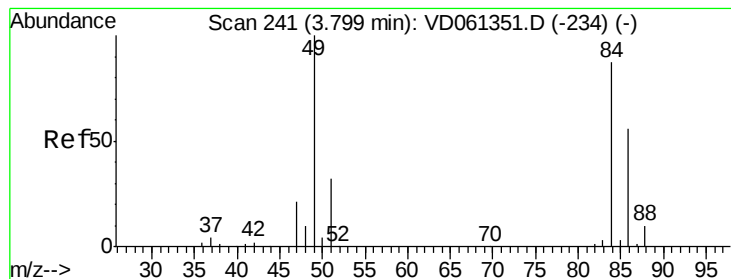
58 19.8 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 8.854 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA\_D

ClientSampleId :

TP-7-2

Tot Ion: 84 Resp: 62375

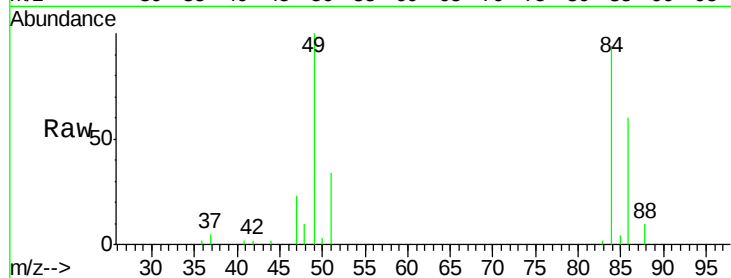
Ion Ratio Lower Upper

84 100

49 106.5 91.8 137.8

51 36.1 29.8 44.8

86 64.1 51.8 77.6

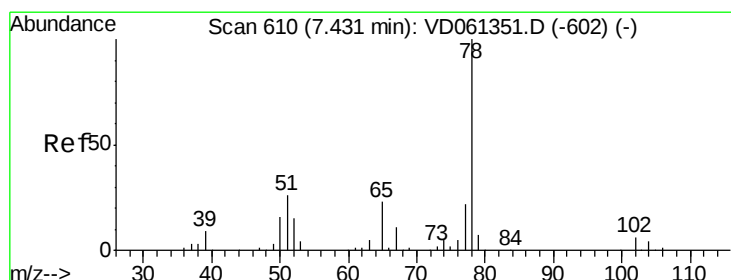
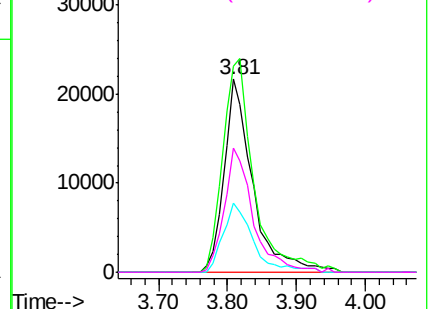
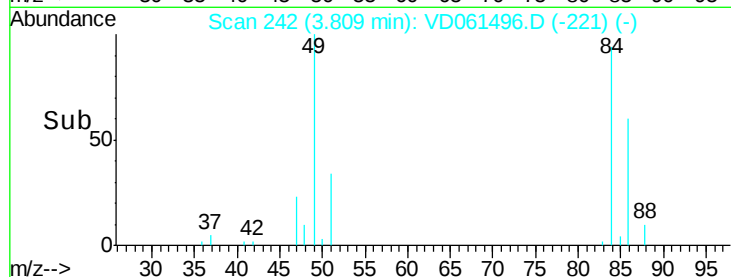


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: VD061496.D

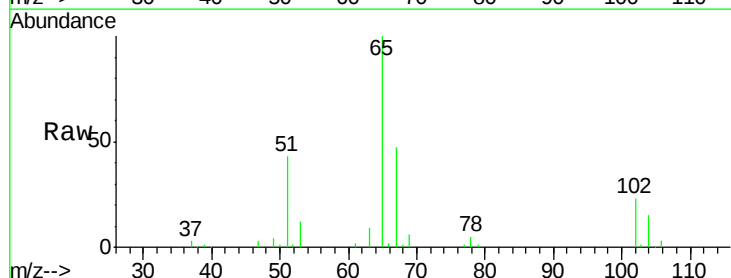
Acq: 2 Apr 2019 5:49

Tgt Ion: 65 Resp: 213191

Ion Ratio Lower Upper

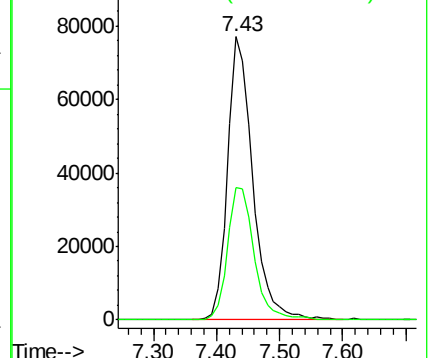
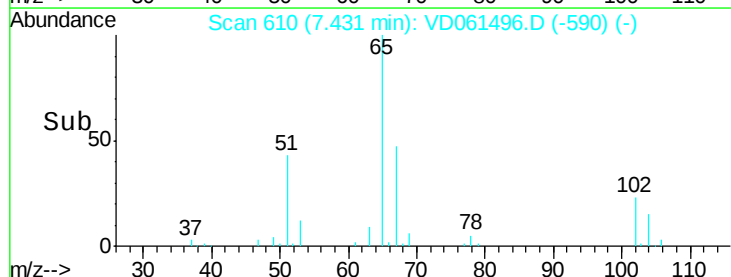
65 100

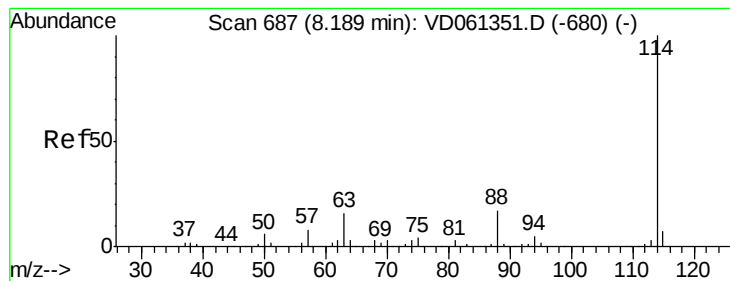
67 46.8 0.0 99.8



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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA\_D

ClientSampleId :

TP-7-2

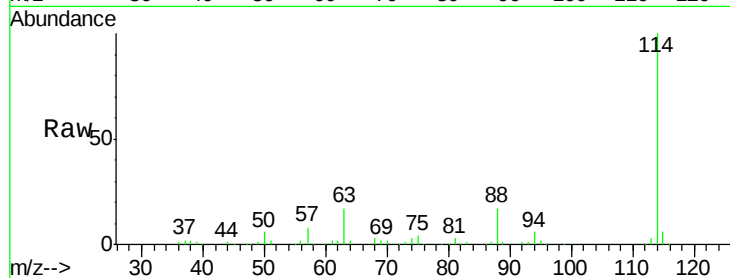
Tot Ion:114 Resp: 834326

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

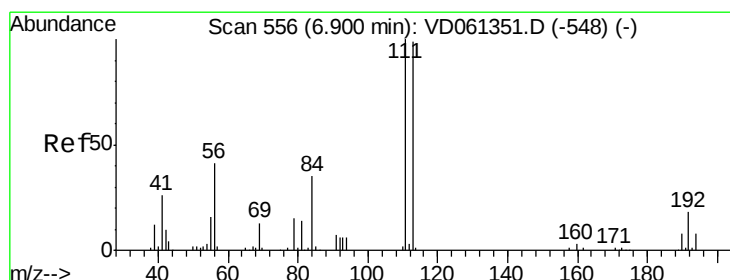
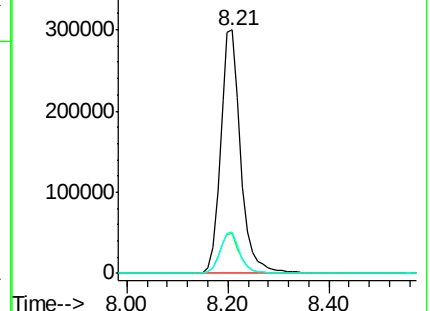
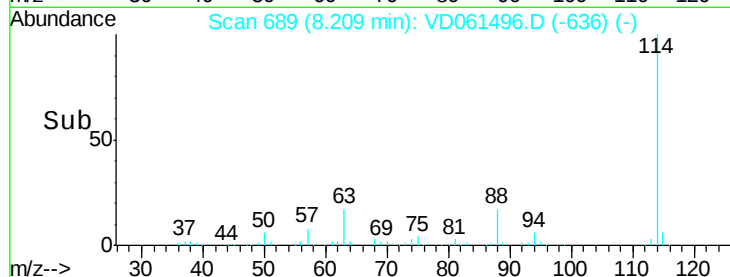
88 17.3 0.0 33.4



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: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

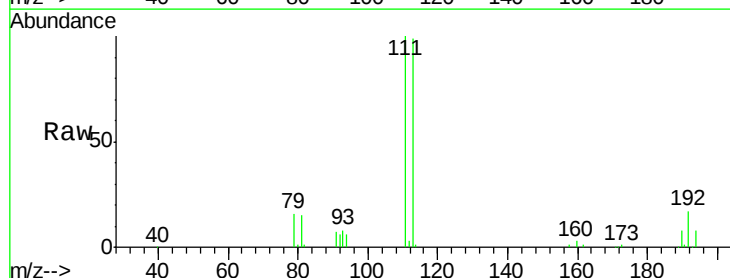
Tgt Ion:113 Resp: 340585

Ion Ratio Lower Upper

113 100

111 101.1 81.0 121.6

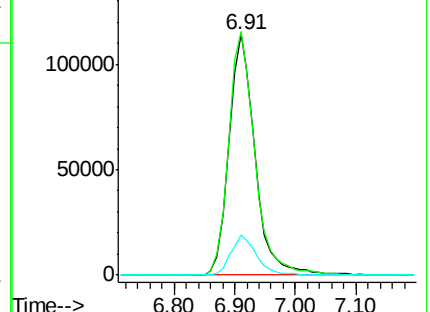
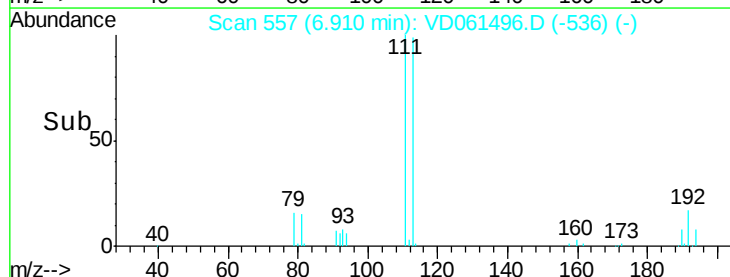
192 16.7 14.4 21.6

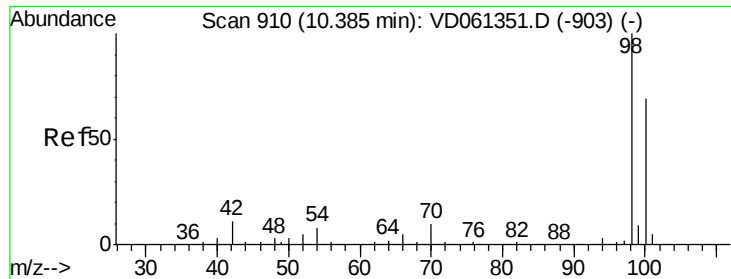


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

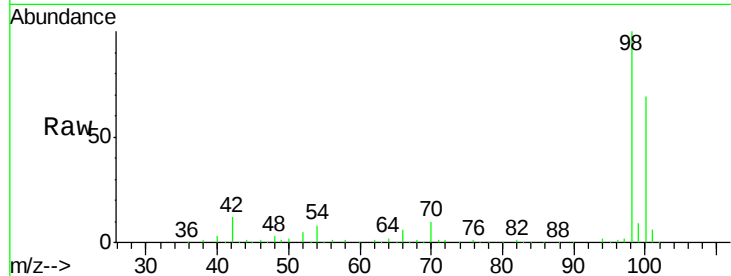




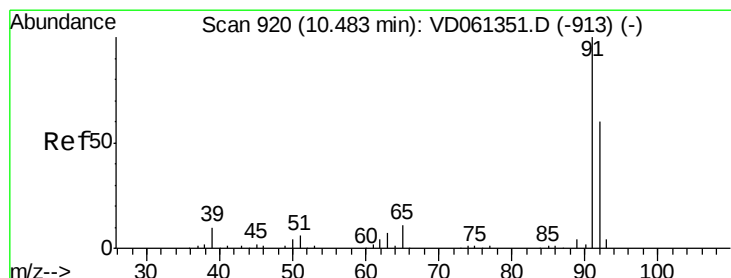
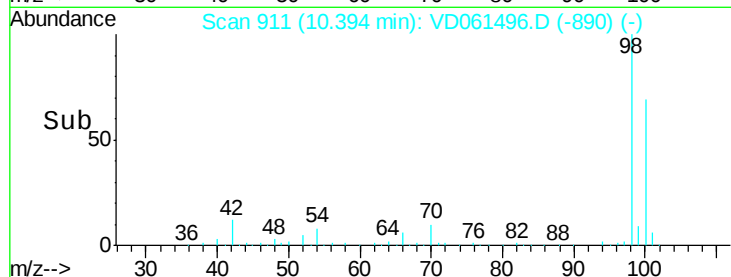
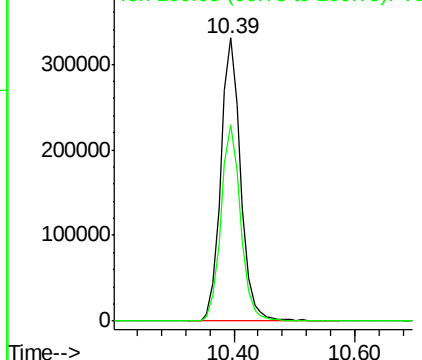
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.39 min Scan# 911  
Delta R.T. 0.01 min  
Lab File: VD061496.D  
Acq: 2 Apr 2019 5:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-7-2

Tot Ion: 98 Resp: 751351  
Ion Ratio Lower Upper  
98 100  
100 69.3 56.2 84.2

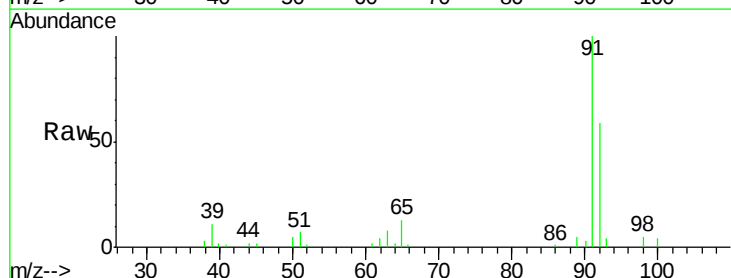


Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC

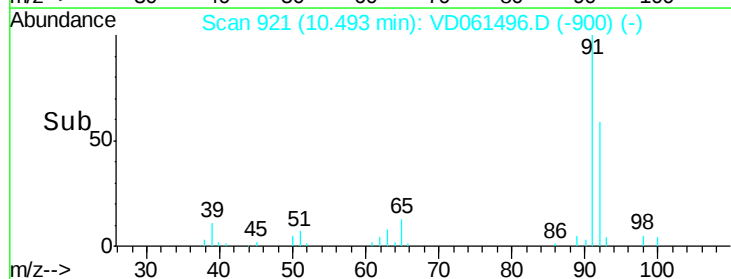
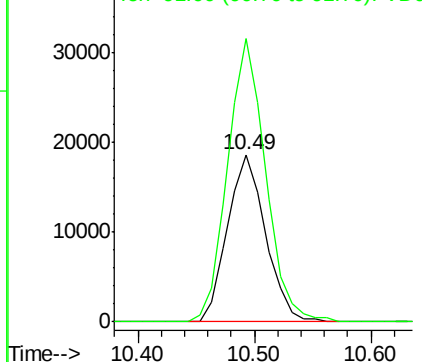


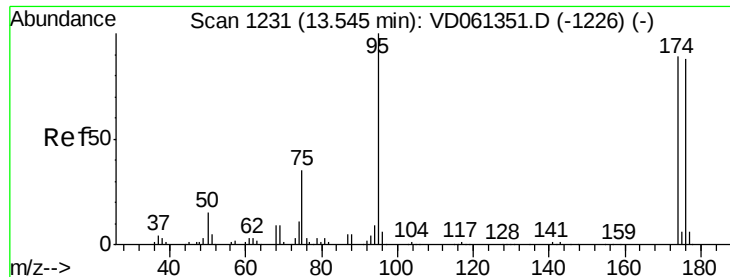
#52  
Toluene  
Concen: 3.779 ug/l  
RT: 10.49 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: VD061496.D  
Acq: 2 Apr 2019 5:49

Tgt Ion: 92 Resp: 42134  
Ion Ratio Lower Upper  
92 100  
91 169.5 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC  
Ion 91.00 (90.70 to 91.70): VDC

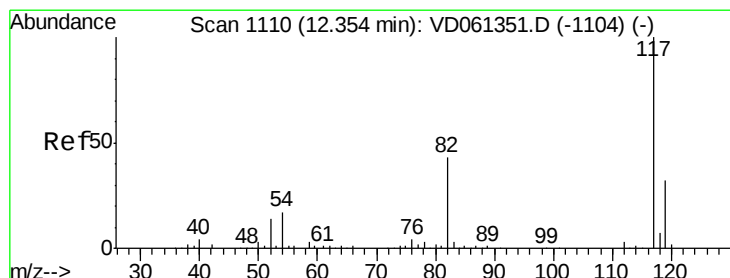
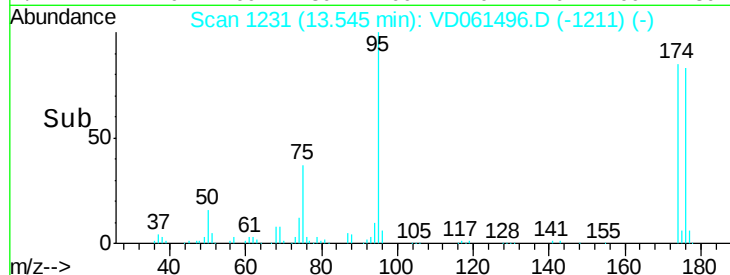
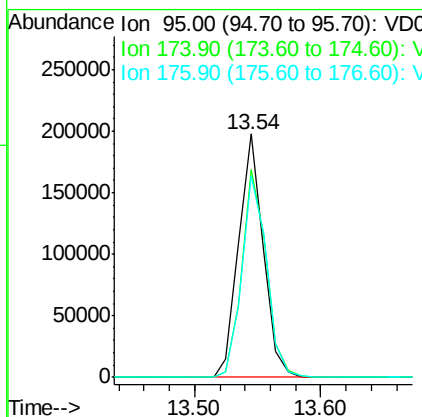
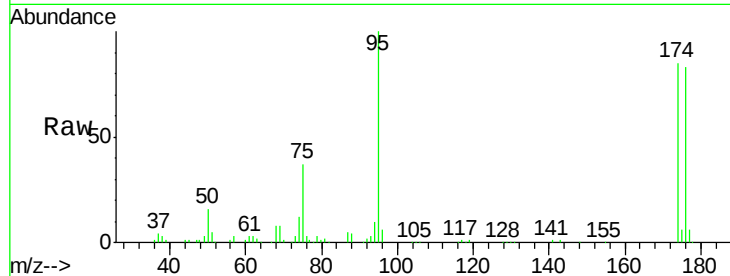




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.54 min Scan# 1231  
Delta R.T. -0.00 min  
Lab File: VD061496.D  
Acq: 2 Apr 2019 5:49

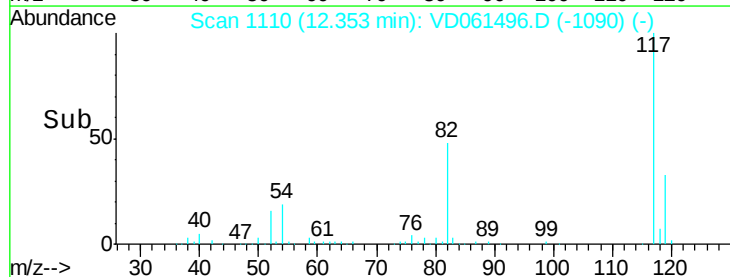
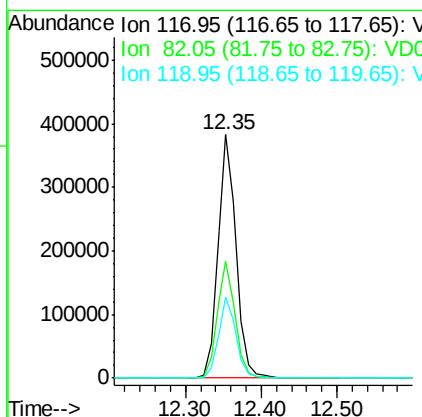
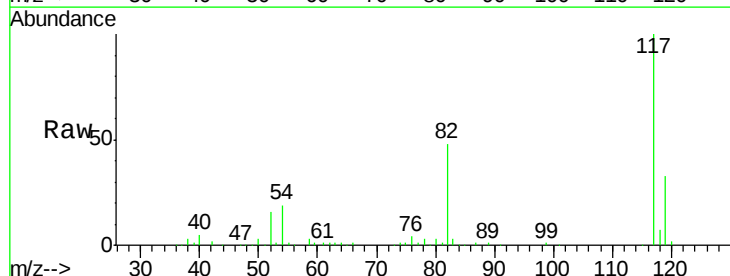
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-7-2

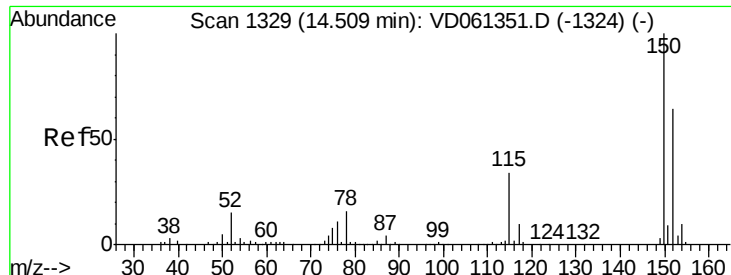
Tot Ion: 95 Resp: 264194  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 178.0  
176 83.0 0.0 175.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. -0.00 min  
Lab File: VD061496.D  
Acq: 2 Apr 2019 5:49

Tgt Ion: 117 Resp: 640312  
Ion Ratio Lower Upper  
117 100  
82 47.8 34.4 51.6  
119 33.2 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: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA\_D

ClientSampleId :

TP-7-2

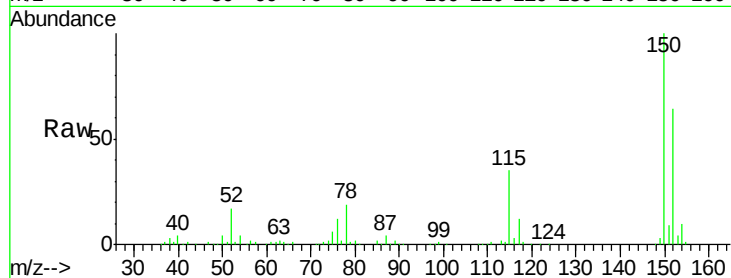
Tot Ion:152 Resp: 255515

Ion Ratio Lower Upper

152 100

115 55.1 26.9 80.6

150 156.2 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

