

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
 Data File : VD061490.D  
 Acq On : 2 Apr 2019 3:03  
 Operator : VA/AP  
 Sample : VD0401SBL02  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0401SBL02

Quant Time: Apr 02 06:40:58 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

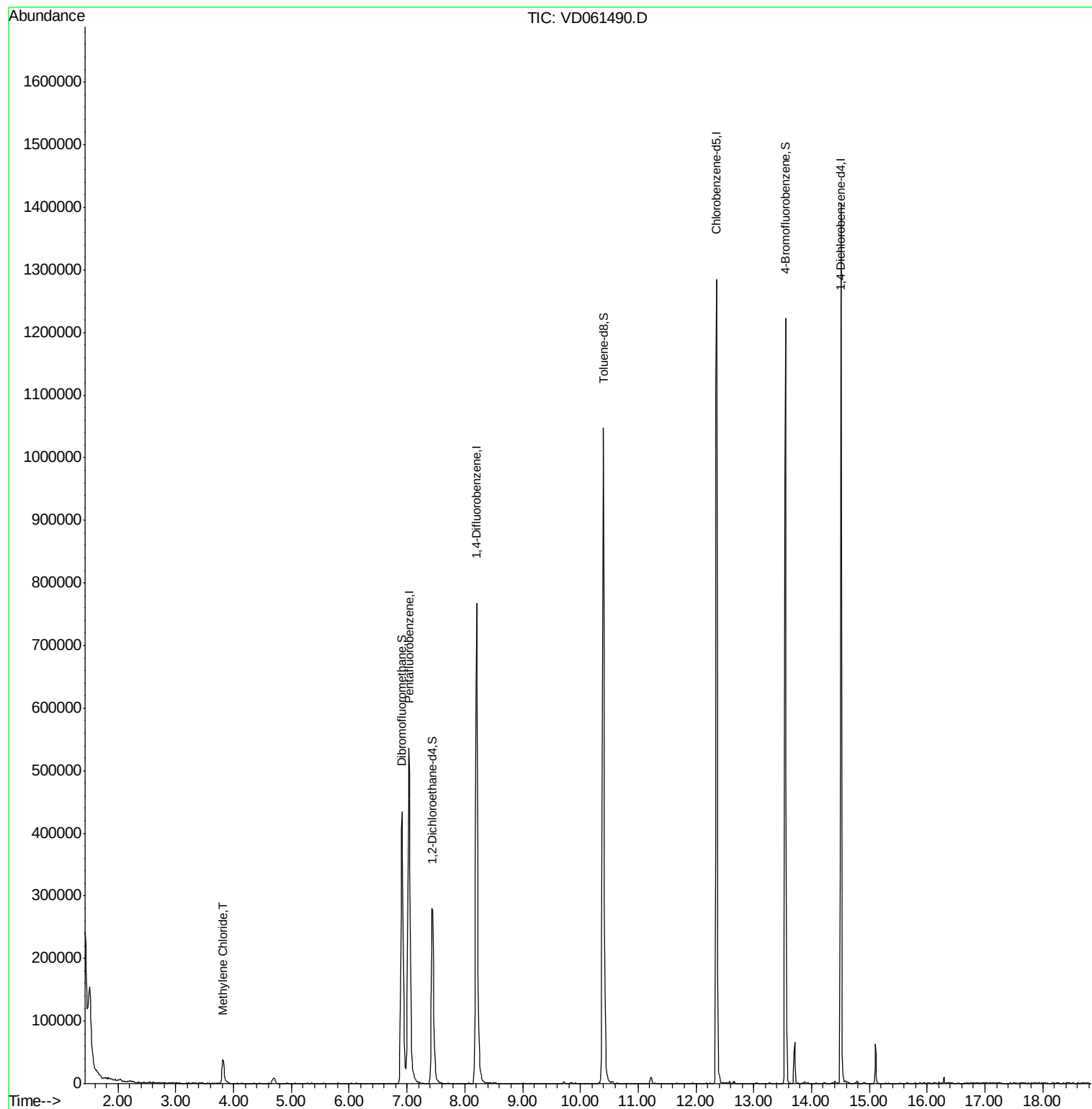
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.03  | 168  | 577103   | 50.00 | ug/l    | 0.01      |
| 34) 1,4-Difluorobenzene     | 8.20  | 114  | 936900   | 50.00 | ug/l    | 0.01      |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 820838   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 359962   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 294799   | 59.80 | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.60% |           |
| 35) Dibromofluoromethane    | 6.91  | 113  | 431420   | 60.26 | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 120.52% |           |
| 50) Toluene-d8              | 10.40 | 98   | 945211   | 55.04 | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.08% |           |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 400014   | 60.75 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 121.50% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.82  | 84   | 31081    | 2.556 | ug/l    | Qvalue 95 |

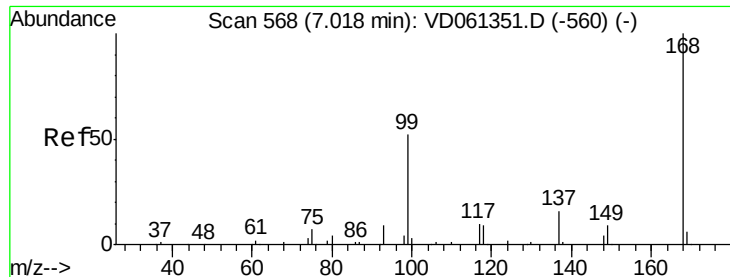
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\  
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Quant Time: Apr 02 06:40:58 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# 570

Delta R.T. 0.01 min

Lab File: VD061490.D

Acq: 2 Apr 2019 3:03

Instrument :

MSVOA\_D

ClientSampleId :

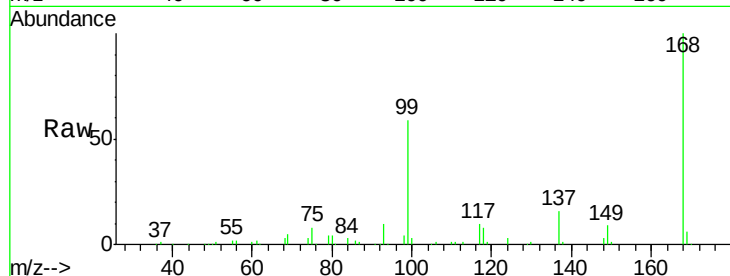
VD0401SBL02

Tot Ion:168 Resp: 577103

Ion Ratio Lower Upper

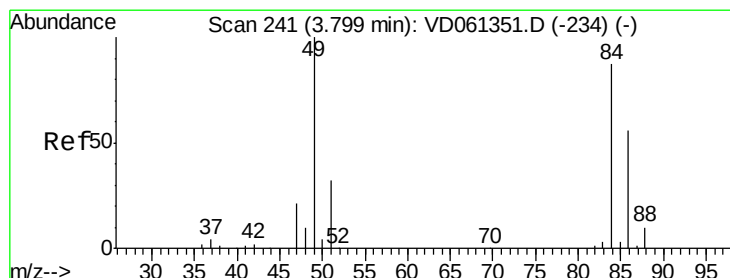
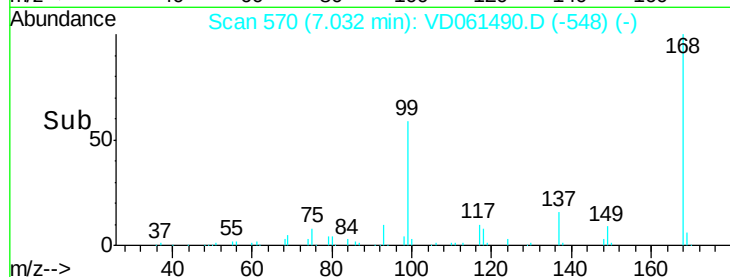
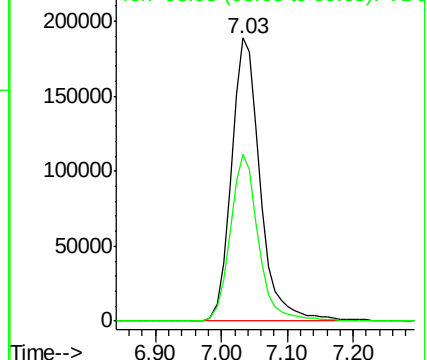
168 100

99 59.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.556 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061490.D

Acq: 2 Apr 2019 3:03

Tgt Ion: 84 Resp: 31081

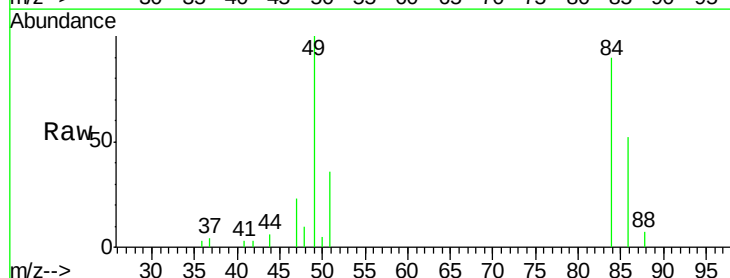
Ion Ratio Lower Upper

84 100

49 111.3 91.8 137.8

51 40.2 29.8 44.8

86 57.6 51.8 77.6

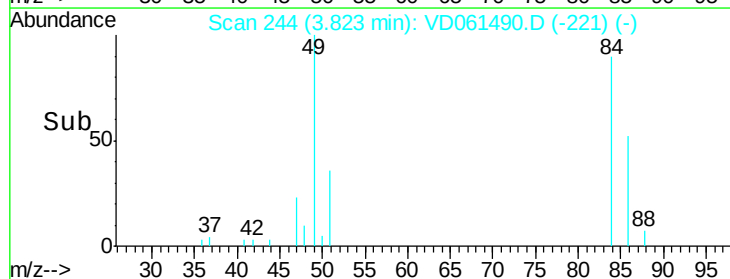
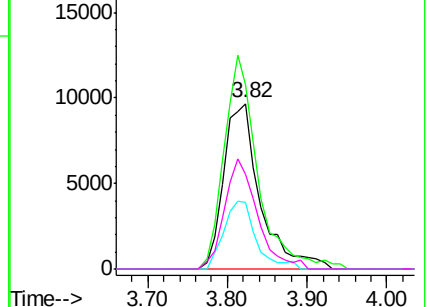


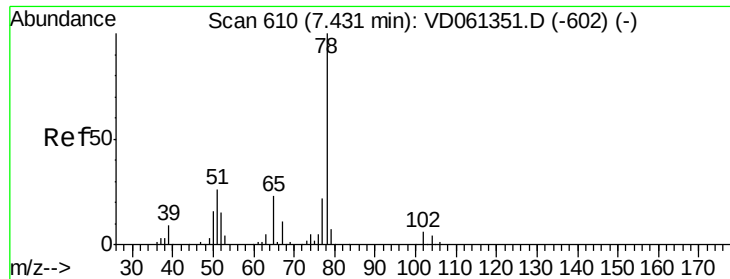
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

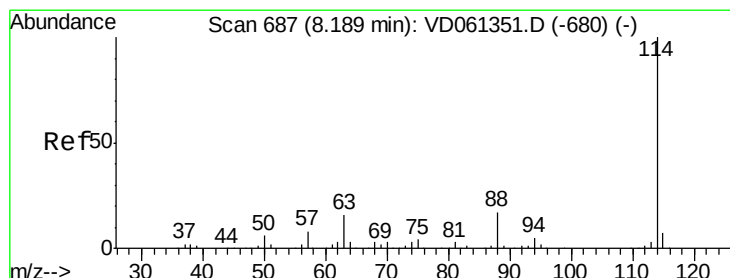
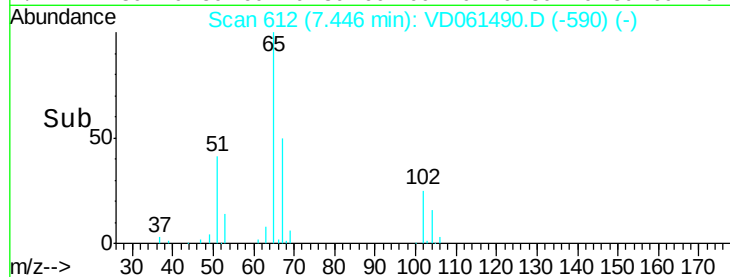
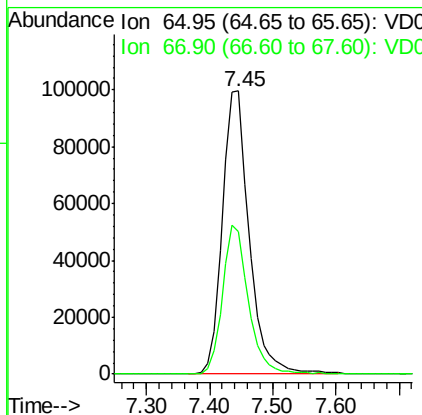
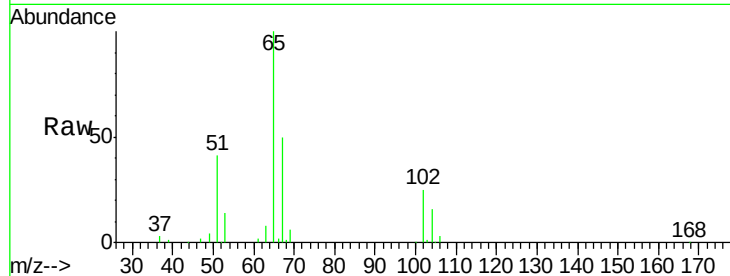




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 7.45 min Scan# 612  
 Delta R.T. 0.01 min  
 Lab File: VD061490.D  
 Acq: 2 Apr 2019 3:03

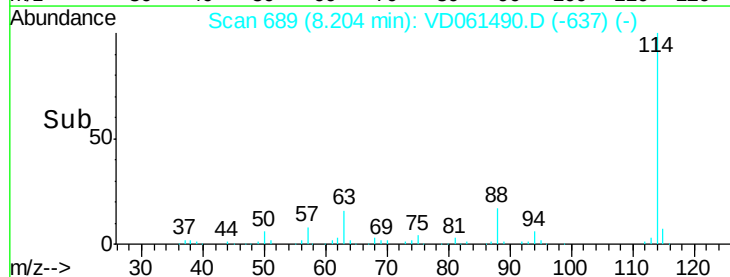
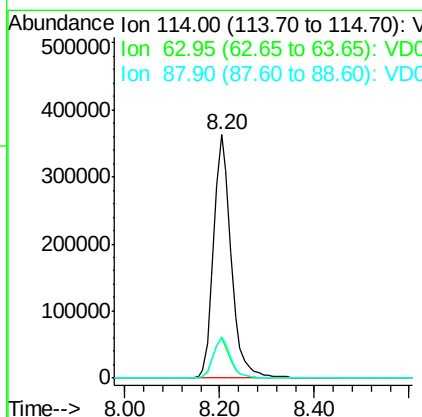
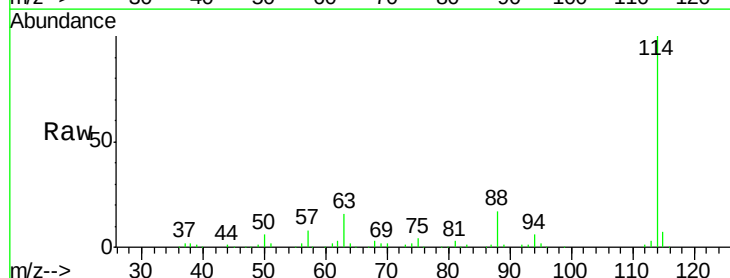
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0401SBL02

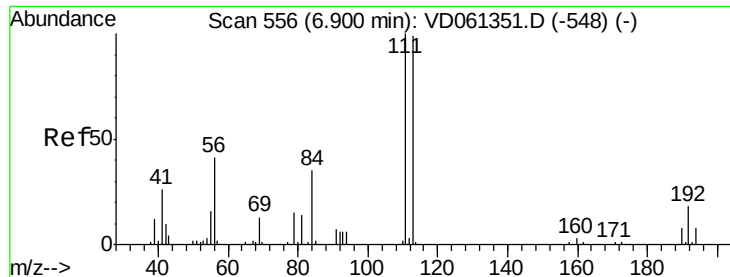
Tot Ion: 65 Resp: 294799  
 Ion Ratio Lower Upper  
 65 100  
 67 50.3 0.0 99.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.20 min Scan# 689  
 Delta R.T. 0.01 min  
 Lab File: VD061490.D  
 Acq: 2 Apr 2019 3:03

Tgt Ion: 114 Resp: 936900  
 Ion Ratio Lower Upper  
 114 100  
 63 16.2 0.0 31.6  
 88 17.0 0.0 33.4

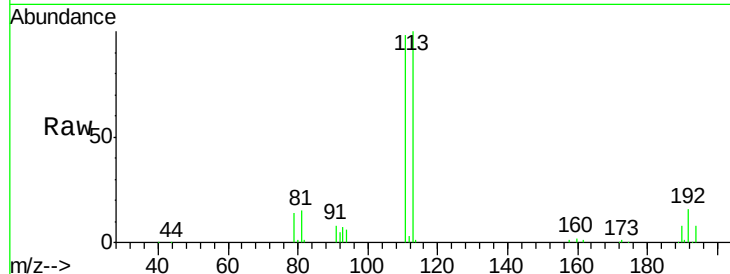




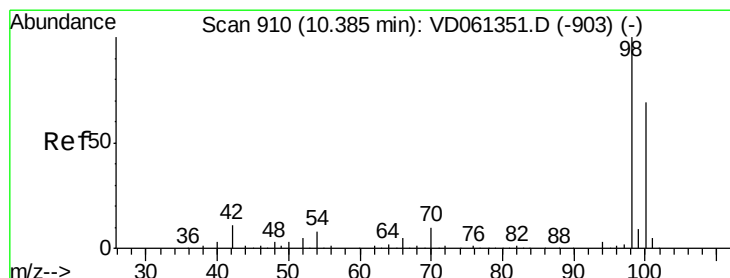
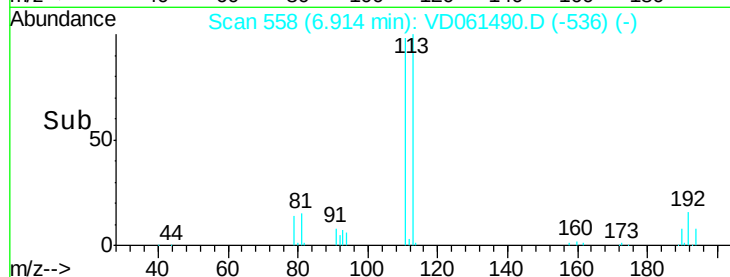
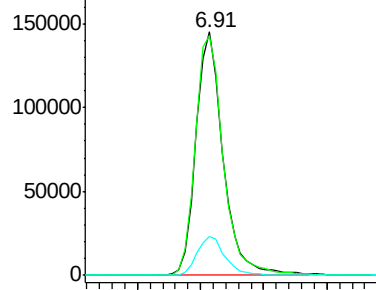
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.91 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD061490.D  
 Acq: 2 Apr 2019 3:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0401SBL02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 98.4  | 81.0  | 121.6 |
| 192     | 16.2  | 14.4  | 21.6  |

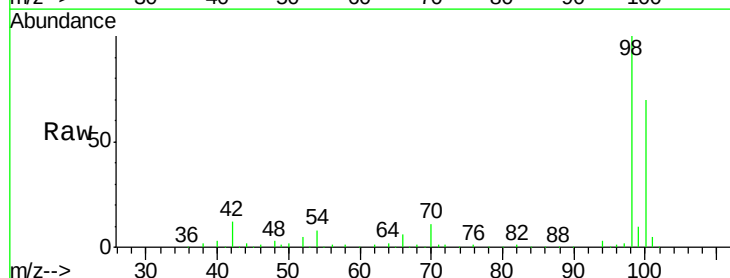


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

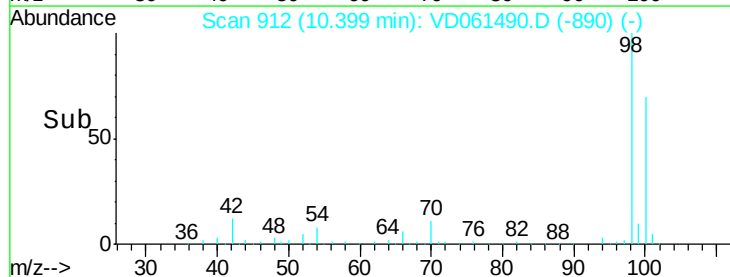
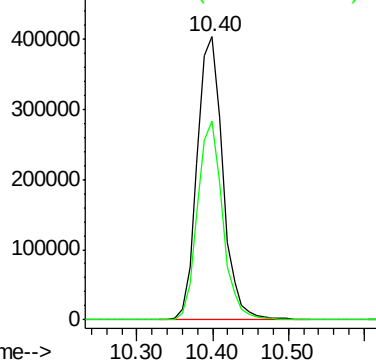


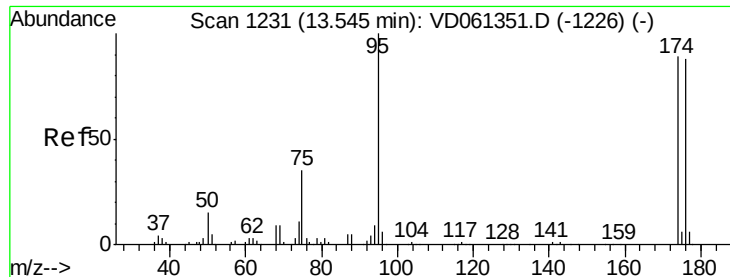
#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 10.40 min Scan# 912  
 Delta R.T. 0.01 min  
 Lab File: VD061490.D  
 Acq: 2 Apr 2019 3:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.1  | 56.2  | 84.2  |



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

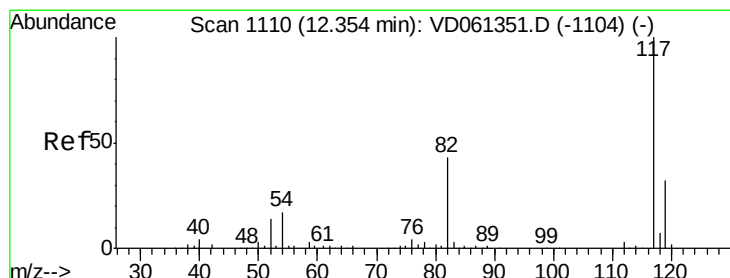
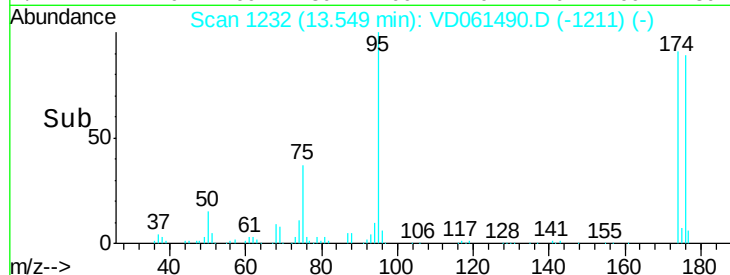
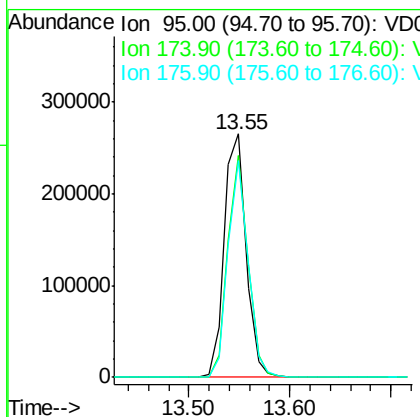
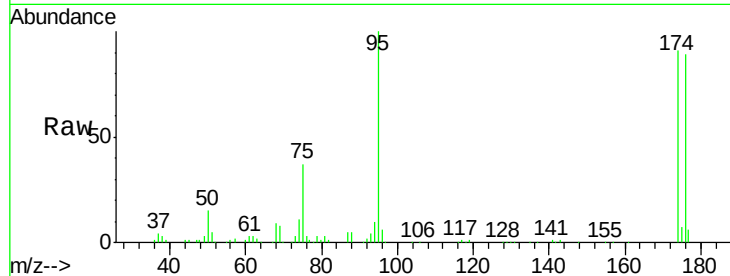




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VD061490.D  
Acq: 2 Apr 2019 3:03

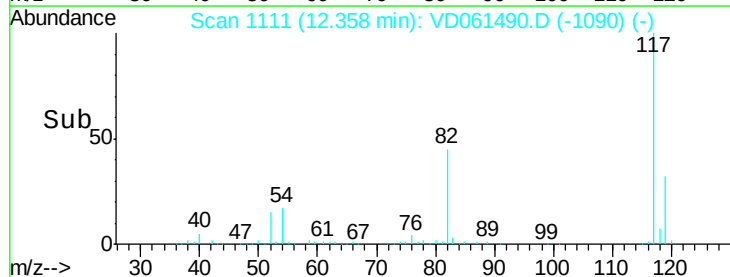
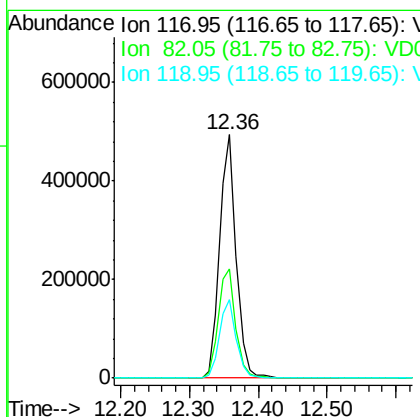
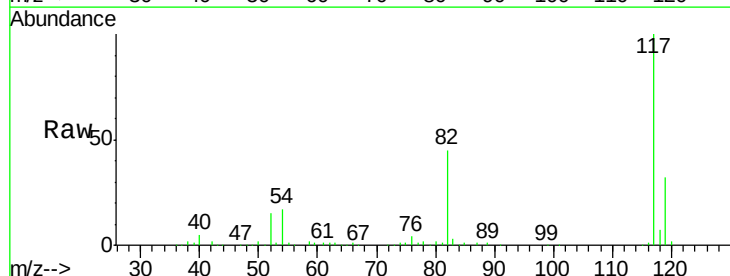
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0401SBL02

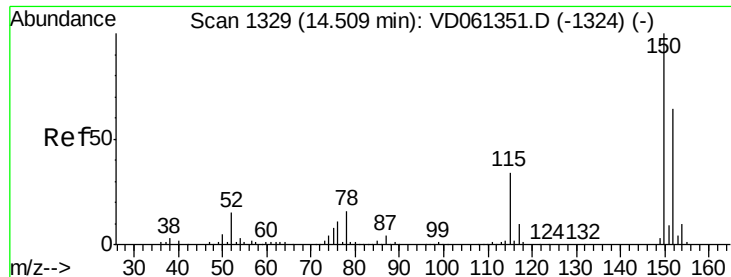
Tot Ion: 95 Resp: 400014  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 178.0  
176 89.3 0.0 175.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD061490.D  
Acq: 2 Apr 2019 3:03

Tgt Ion: 117 Resp: 820838  
Ion Ratio Lower Upper  
117 100  
82 45.0 34.4 51.6  
119 32.5 25.8 38.6

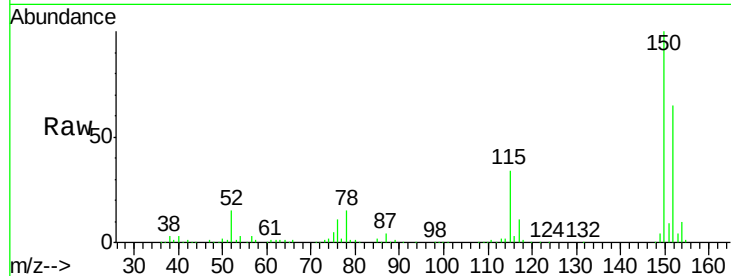




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VD061490.D  
 Acq: 2 Apr 2019 3:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0401SBL02

Tot Ion:152 Resp: 359962  
 Ion Ratio Lower Upper  
 152 100  
 115 52.5 26.9 80.6  
 150 155.0 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

