

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
 Data File : VD061581.D  
 Acq On : 4 Apr 2019 16:17  
 Operator : VA/AP  
 Sample : K2199-01RE  
 Misc : 5.61g/5ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-02-040219-ARE

Quant Time: Apr 05 01:24:58 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

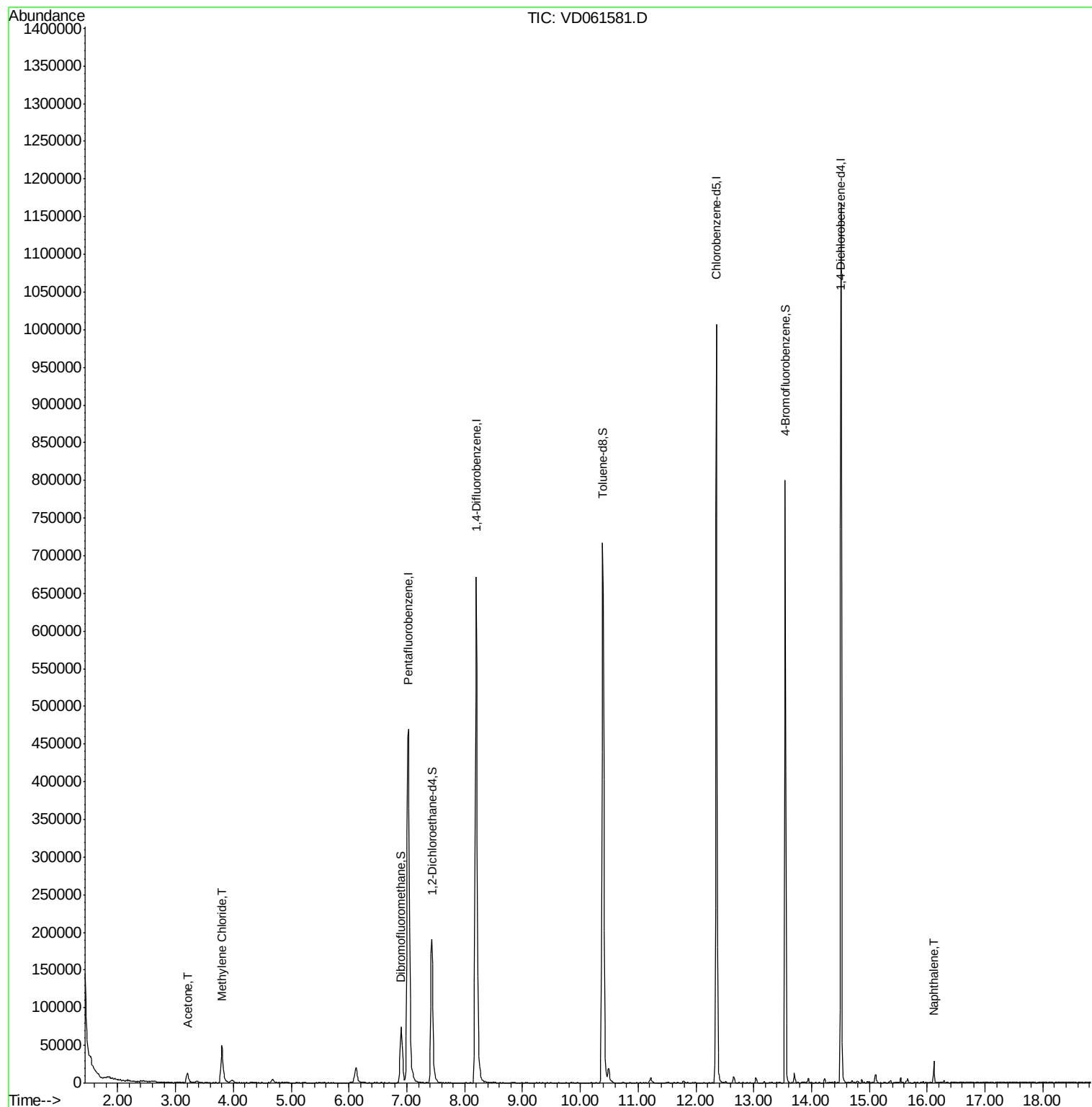
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.03  | 168  | 509883   | 50.00  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 8.20  | 114  | 825183   | 50.00  | ug/l   | 0.01     |
| 63) Chlorobenzene-d5        | 12.35 | 117  | 639968   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 264196   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 191772   | 44.03  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.06% |          |
| 35) Dibromofluoromethane    | 6.90  | 113  | 72551    | 11.51  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 23.02% |          |
| 50) Toluene-d8              | 10.38 | 98   | 631241   | 41.74  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.48% |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 247920   | 42.75  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.50% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.21  | 43   | 26097    | 23.307 | ug/l   | 99       |
| 20) Methylene Chloride      | 3.80  | 84   | 36995    | 4.137  | ug/l   | 93       |
| 95) Naphthalene             | 16.11 | 128  | 18930    | 3.601  | ug/l   | 98       |

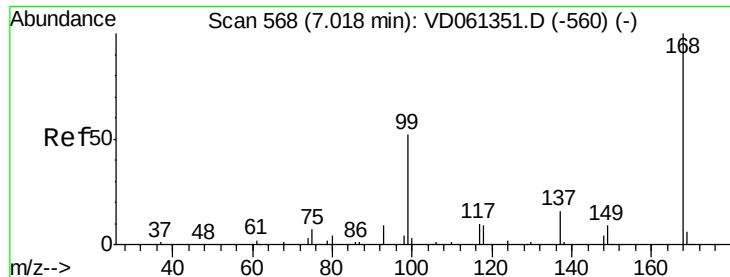
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
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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: VD061581.D

Acq: 4 Apr 2019 16:17

Instrument :

MSVOA\_D

ClientSampleId :

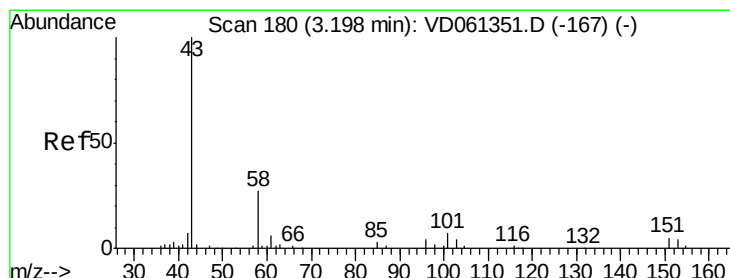
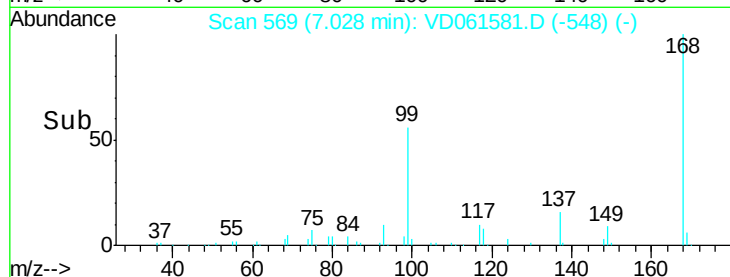
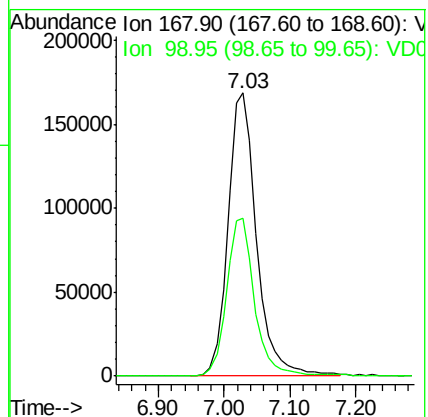
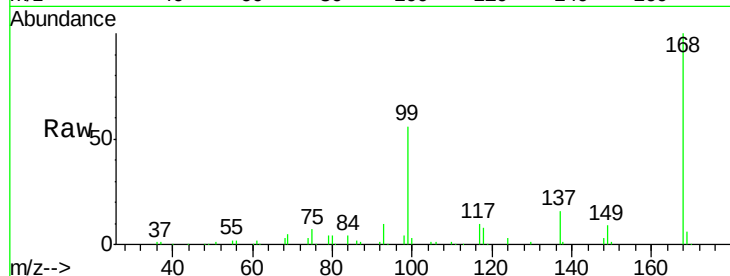
OR-02-040219-ARE

Tot Ion:168 Resp: 509883

Ion Ratio Lower Upper

168 100

99 56.0 43.1 64.7



#16

Acetone

Concen: 23.307 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061581.D

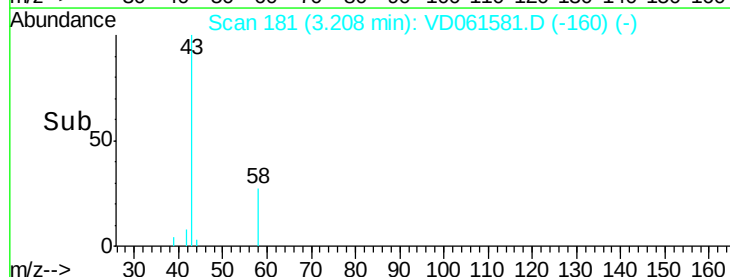
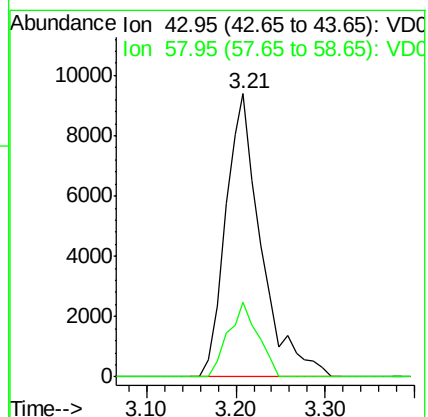
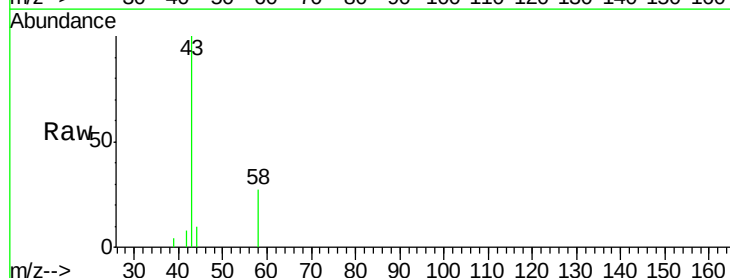
Acq: 4 Apr 2019 16:17

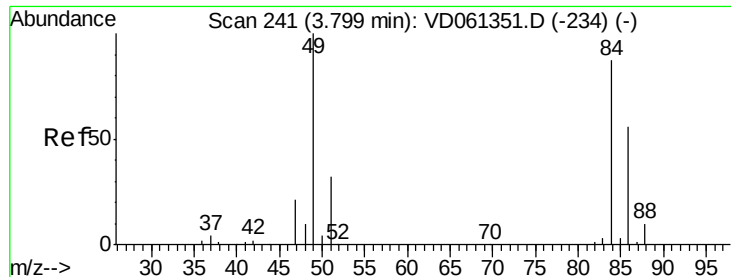
Tgt Ion: 43 Resp: 26097

Ion Ratio Lower Upper

43 100

58 26.5 21.5 32.3

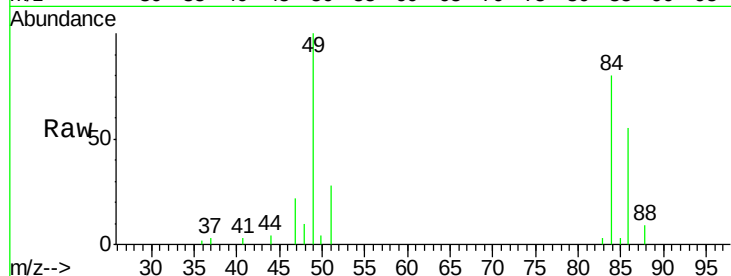




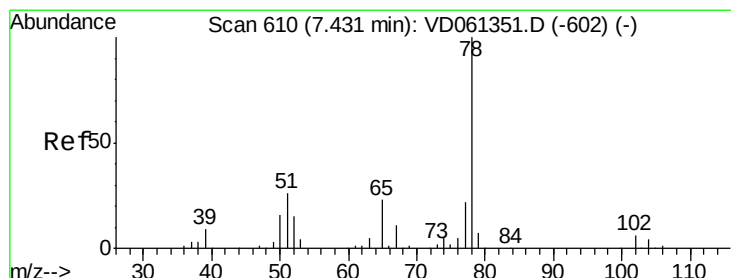
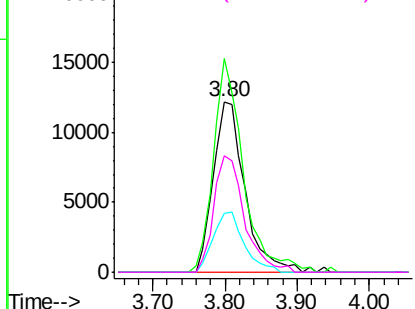
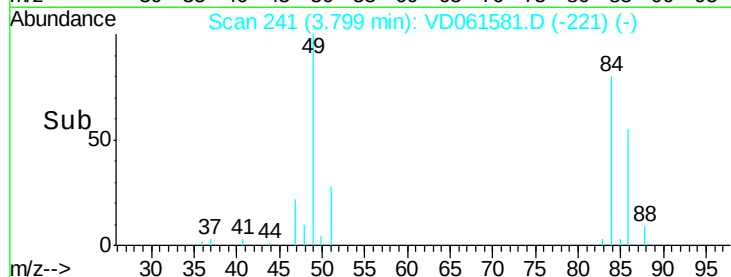
#20  
Methylene Chloride  
Concen: 4.137 ug/l  
RT: 3.80 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VD061581.D  
Acq: 4 Apr 2019 16:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-02-040219-ARE

Tot Ion: 84 Resp: 36995  
Ion Ratio Lower Upper  
84 100  
49 125.4 91.8 137.8  
51 34.9 29.8 44.8  
86 68.7 51.8 77.6

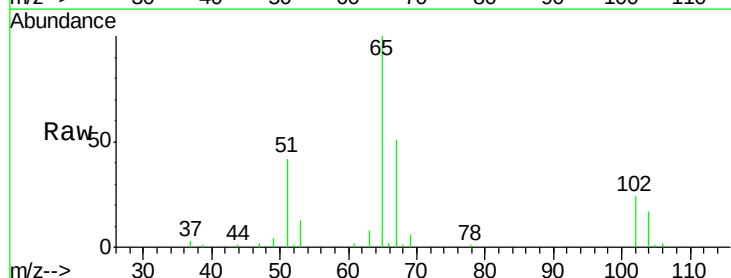


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

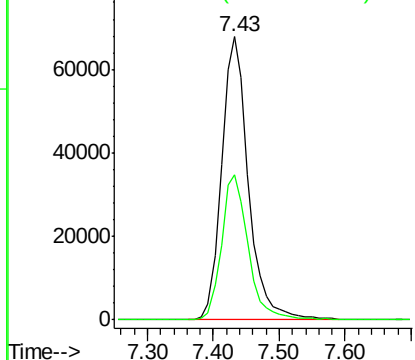
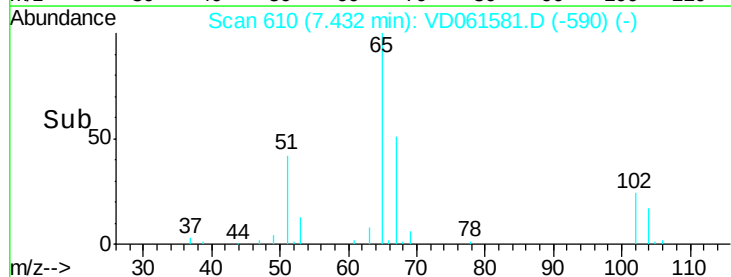


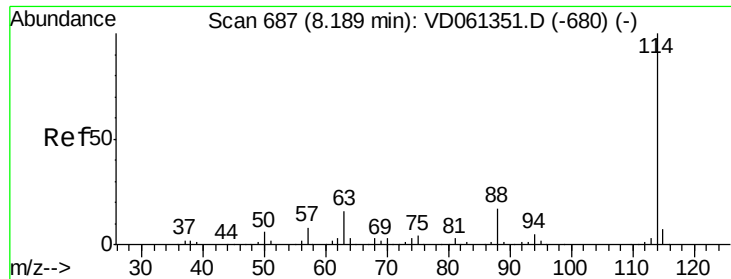
#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.43 min Scan# 610  
Delta R.T. 0.00 min  
Lab File: VD061581.D  
Acq: 4 Apr 2019 16:17

Tgt Ion: 65 Resp: 191772  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

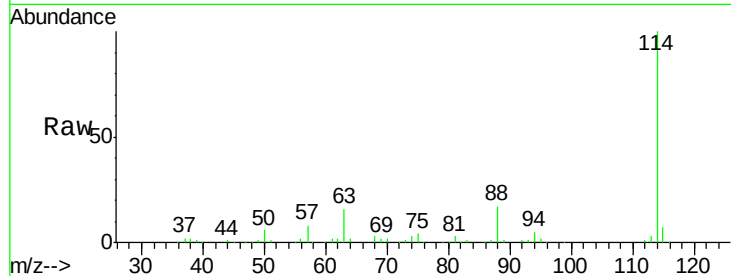




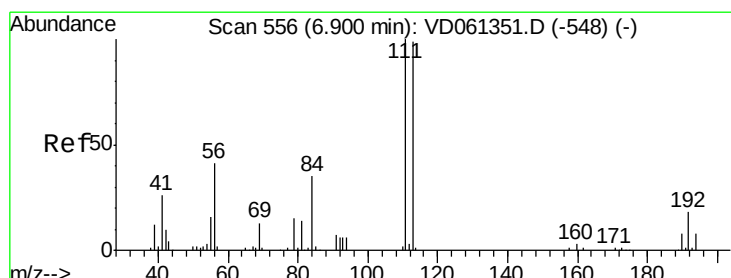
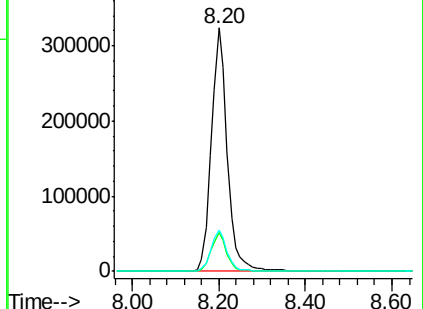
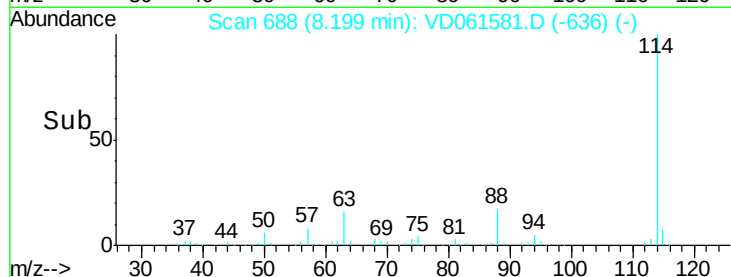
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.20 min Scan# 688  
 Delta R.T. 0.01 min  
 Lab File: VD061581.D  
 Acq: 4 Apr 2019 16:17

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-02-040219-ARE

Tot Ion:114 Resp: 825183  
 Ion Ratio Lower Upper  
 114 100  
 63 15.7 0.0 31.6  
 88 17.0 0.0 33.4

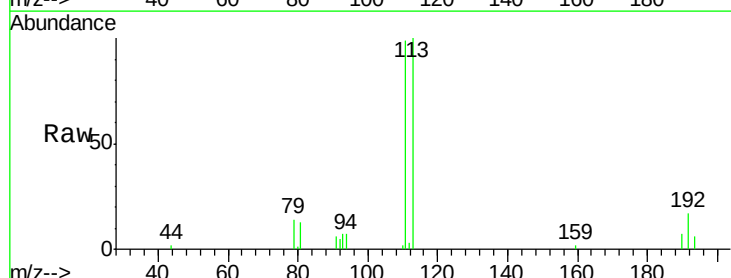


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

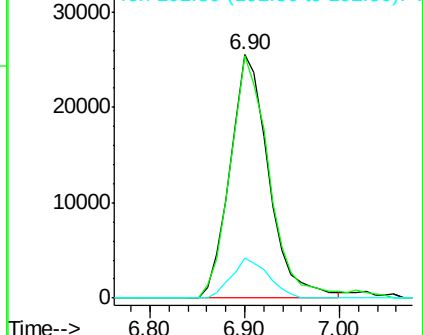
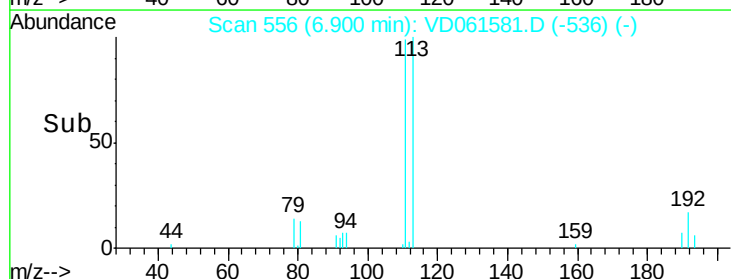


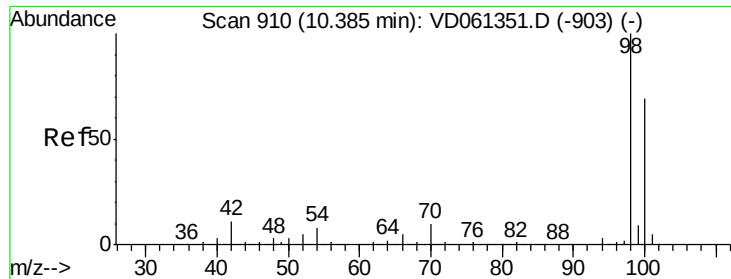
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.90 min Scan# 556  
 Delta R.T. 0.00 min  
 Lab File: VD061581.D  
 Acq: 4 Apr 2019 16:17

Tgt Ion:113 Resp: 72551  
 Ion Ratio Lower Upper  
 113 100  
 111 99.3 81.0 121.6  
 192 16.5 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

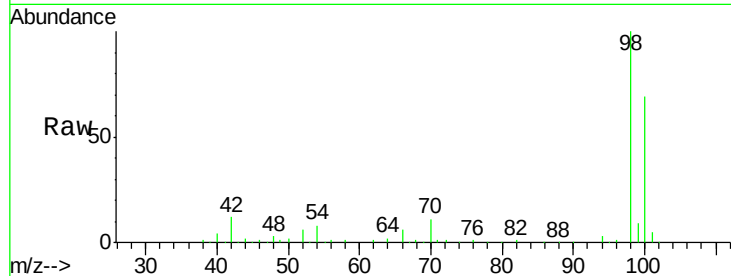




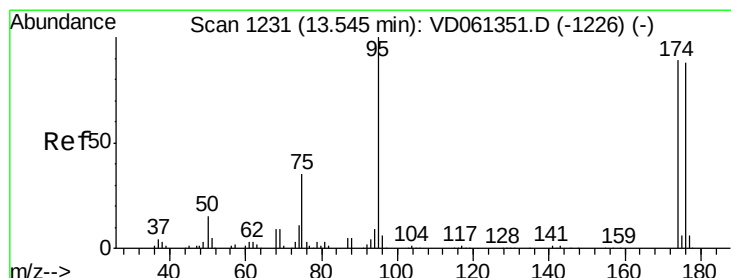
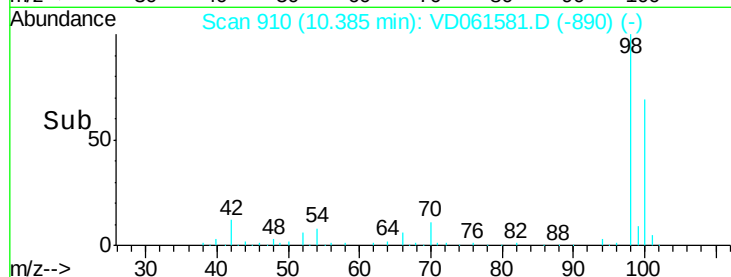
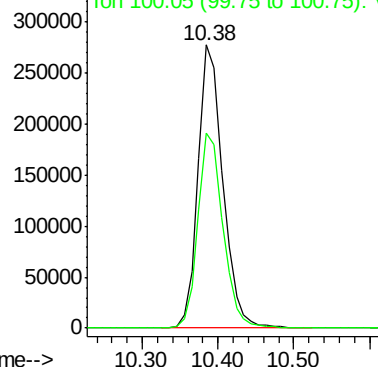
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.38 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: VD061581.D  
Acq: 4 Apr 2019 16:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-02-040219-ARE

Tot Ion: 98 Resp: 631241  
Ion Ratio Lower Upper  
98 100  
100 68.9 56.2 84.2

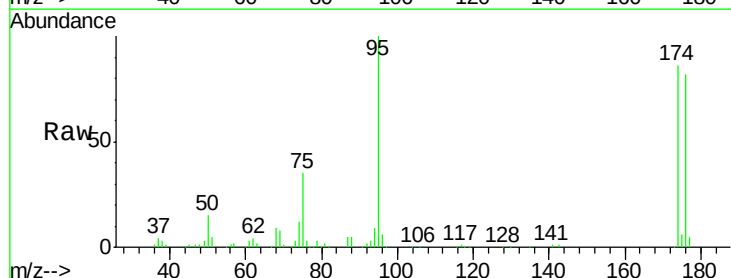


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)  
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

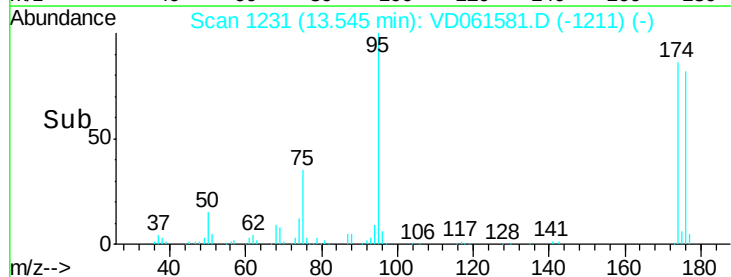
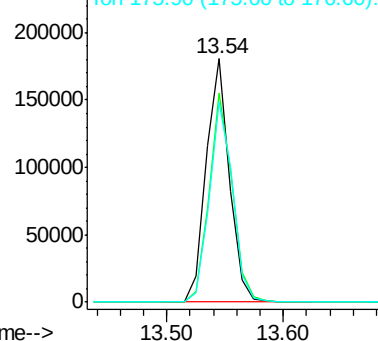


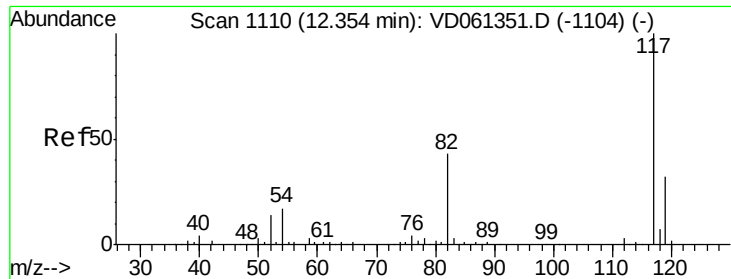
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.54 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VD061581.D  
Acq: 4 Apr 2019 16:17

Tgt Ion: 95 Resp: 247920  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 178.0  
176 82.3 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)  
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)  
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD061581.D

Acq: 4 Apr 2019 16:17

Instrument :

MSVOA\_D

ClientSampleId :

OR-02-040219-ARE

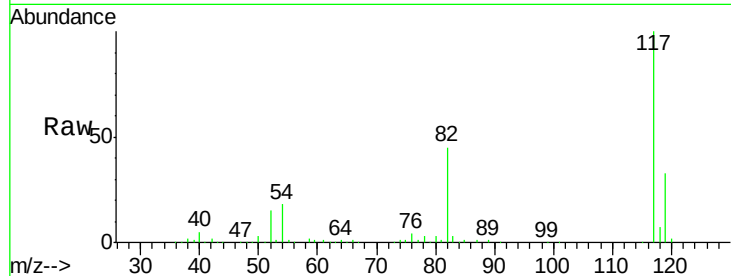
Tot Ion:117 Resp: 639968

Ion Ratio Lower Upper

117 100

82 45.0 34.4 51.6

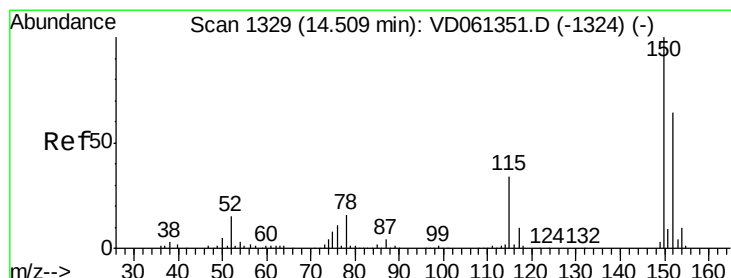
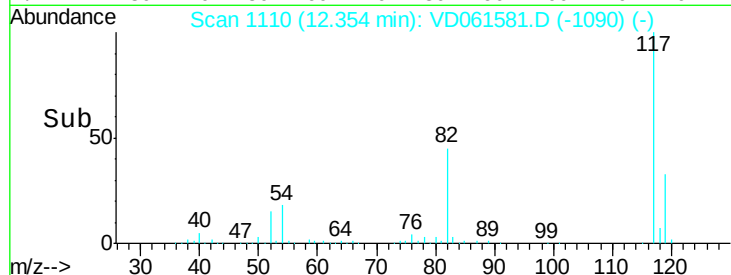
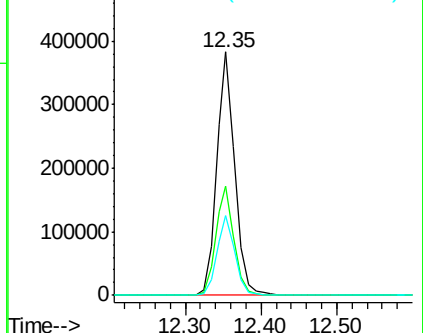
119 32.9 25.8 38.6



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD061581.D

Acq: 4 Apr 2019 16:17

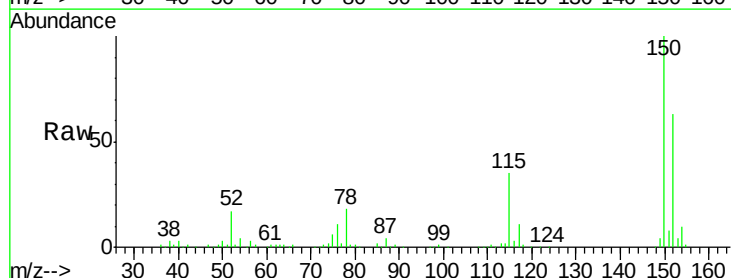
Tgt Ion:152 Resp: 264196

Ion Ratio Lower Upper

152 100

115 55.7 26.9 80.6

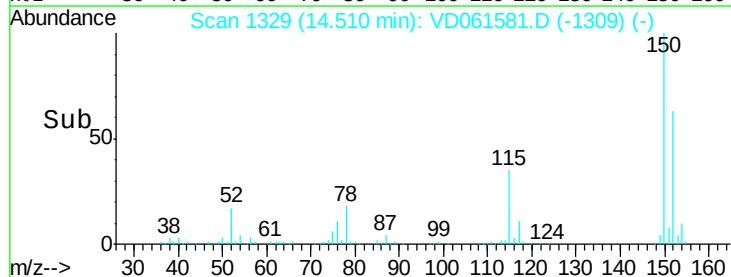
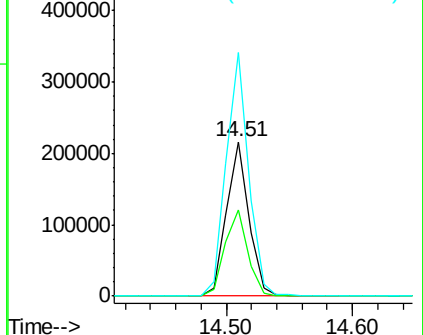
150 157.6 0.0 318.0

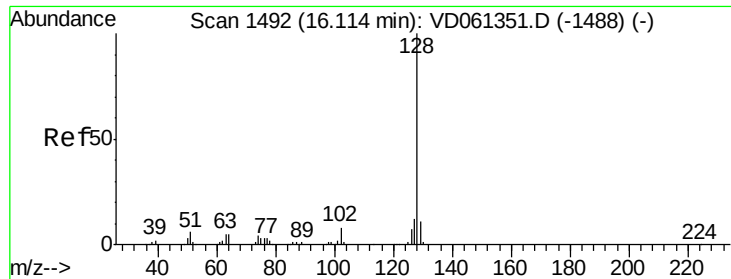


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

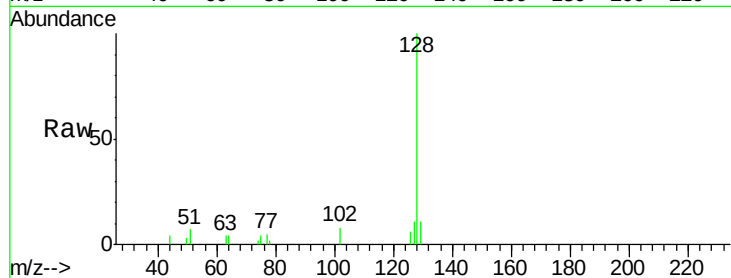




#95  
Naphthalene  
Concen: 3.601 ug/l  
RT: 16.11 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VD061581.D  
Acq: 4 Apr 2019 16:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-02-040219-ARE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 10.8  | 9.9   | 14.9  |
| 129     | 11.0  | 8.9   | 13.3  |



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

