

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\  
 Data File : VD065190.D  
 Acq On : 14 Feb 2020 16:47  
 Operator : VA/SY  
 Sample : L1531-03  
 Misc : 8.16G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WFD-SB-02-2-3

Quant Time: Feb 15 00:46:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 05 15:53:00 2020  
 Response via : Initial Calibration

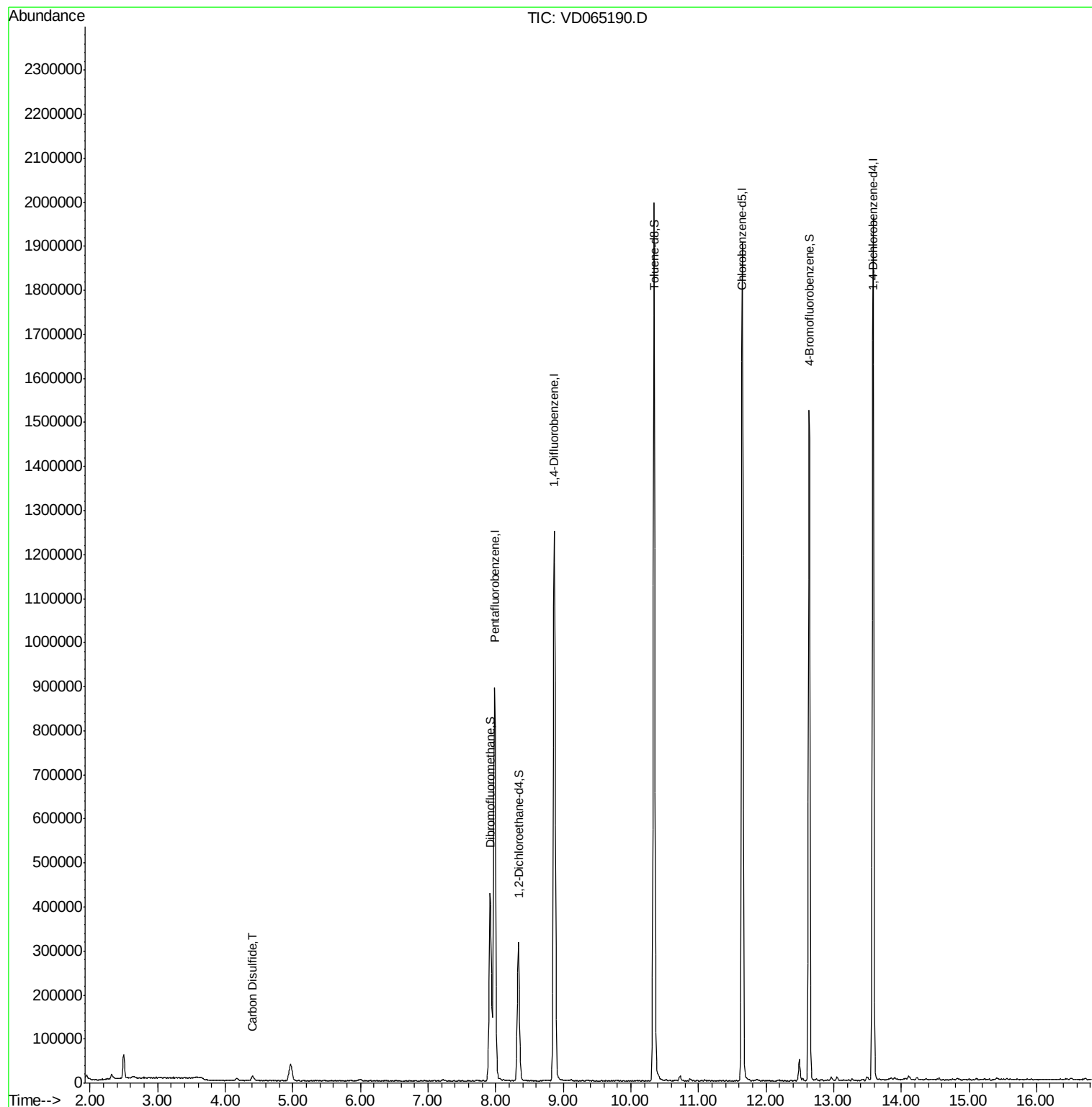
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 682336   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 1087546  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 1104082  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 518695   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 248232   | 42.80 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.60%  |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 307578   | 50.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.38% |          |
| 50) Toluene-d8              | 10.34 | 98   | 1325021  | 54.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.72% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 478182   | 62.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 124.96% |          |
| Target Compounds            |       |      |          |       |         |          |
| 17) Carbon Disulfide        | 4.40  | 76   | 22224    | 1.149 | ug/l    | 99       |

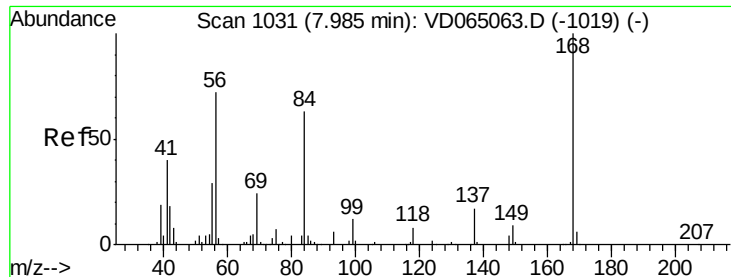
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 05 15:53:00 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065190.D

Acq: 14 Feb 2020 16:47

Instrument :

MSVOA\_D

ClientSampleId :

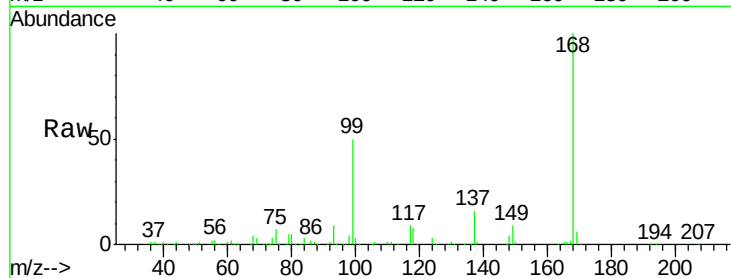
WFD-SB-02-2-3

Tot Ion:168 Resp: 682336

Ion Ratio Lower Upper

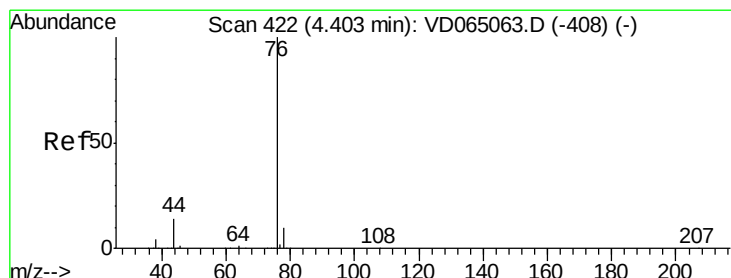
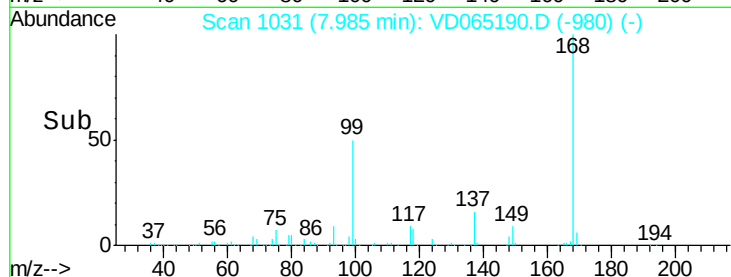
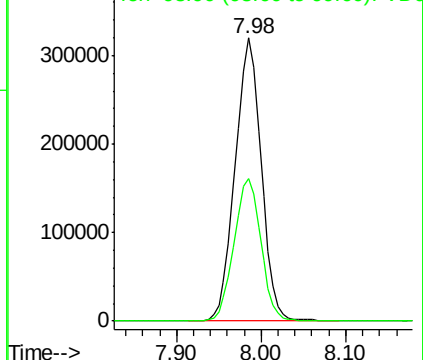
168 100

99 50.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#17

Carbon Disulfide

Concen: 1.149 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065190.D

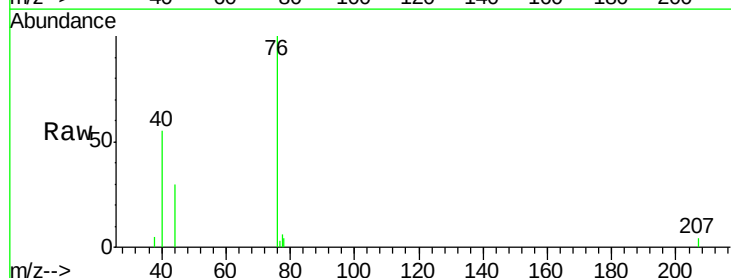
Acq: 14 Feb 2020 16:47

Tgt Ion: 76 Resp: 22224

Ion Ratio Lower Upper

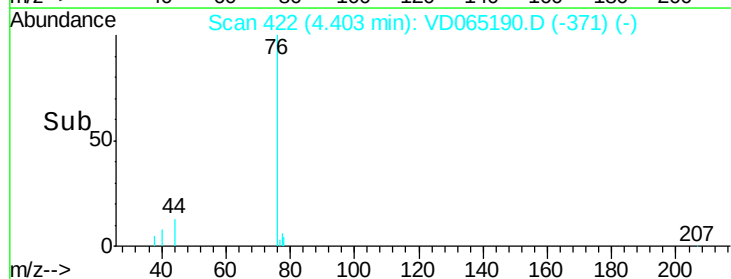
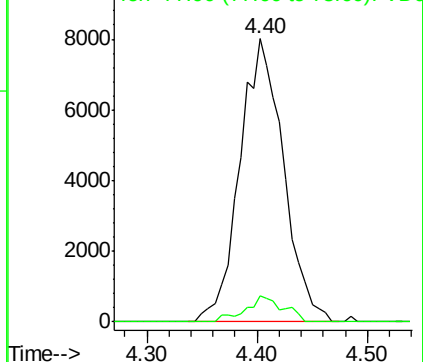
76 100

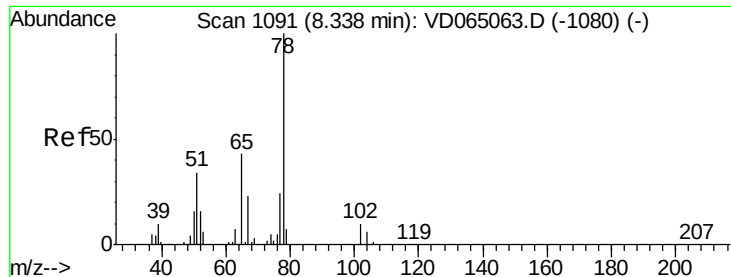
78 9.2 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

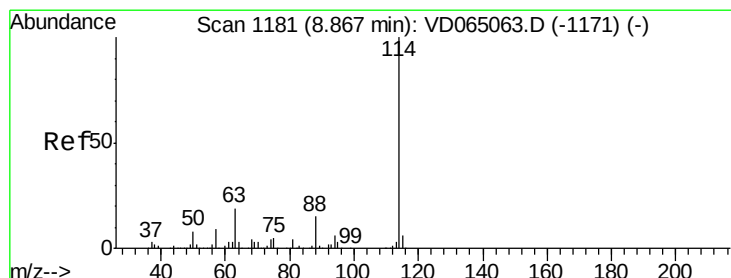
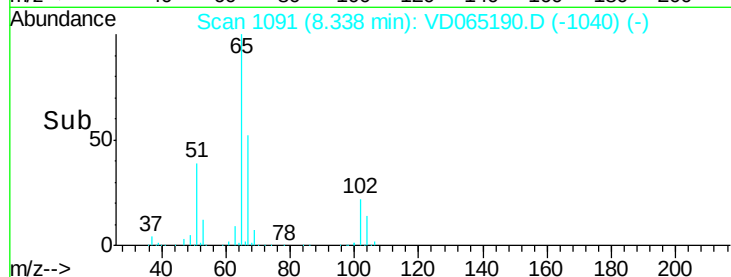
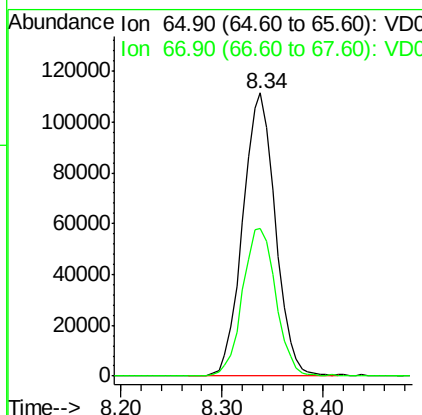
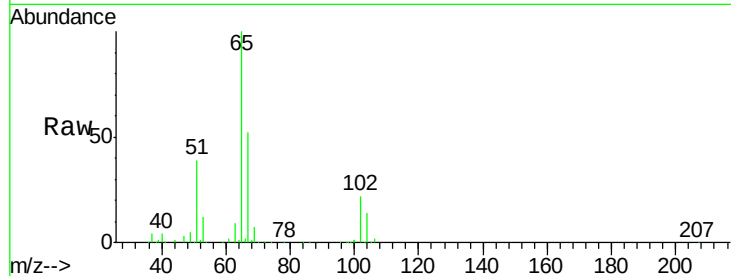




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.804 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD065190.D  
 Acq: 14 Feb 2020 16:47

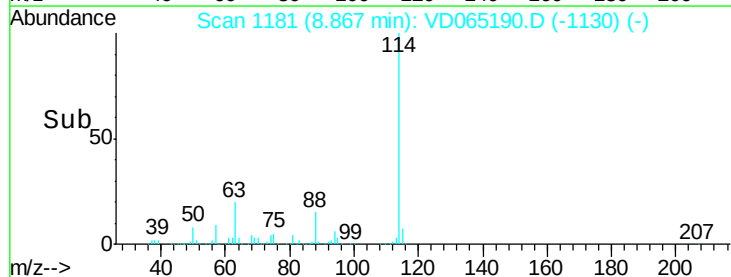
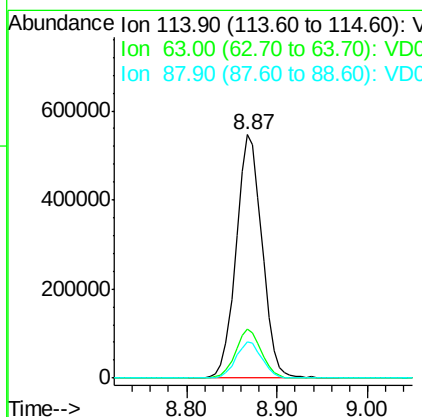
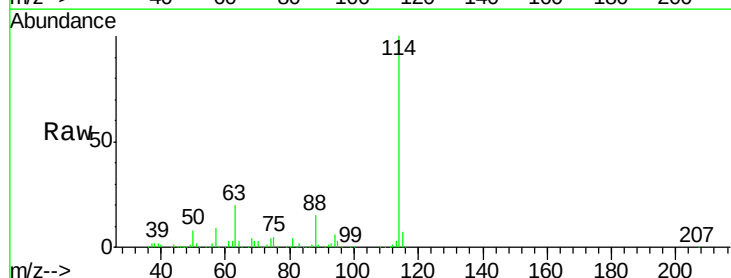
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WFD-SB-02-2-3

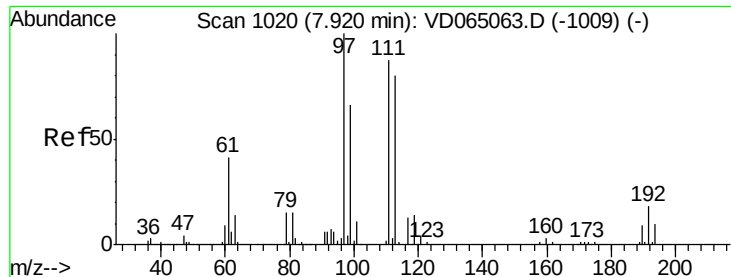
Tot Ion: 65 Resp: 248232  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD065190.D  
 Acq: 14 Feb 2020 16:47

Tgt Ion: 114 Resp: 1087546  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 38.8  
 88 15.1 0.0 29.6



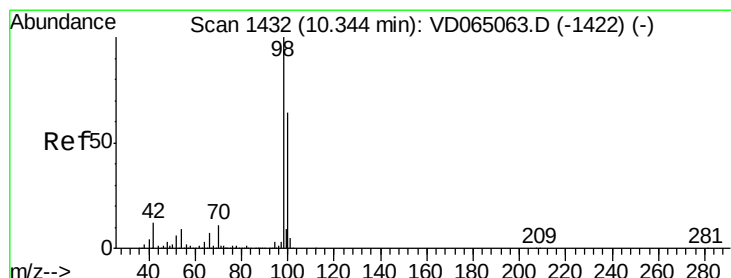
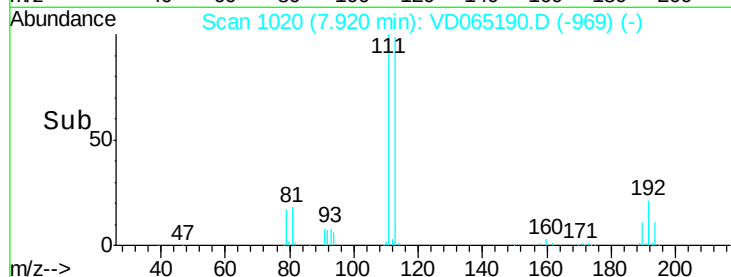
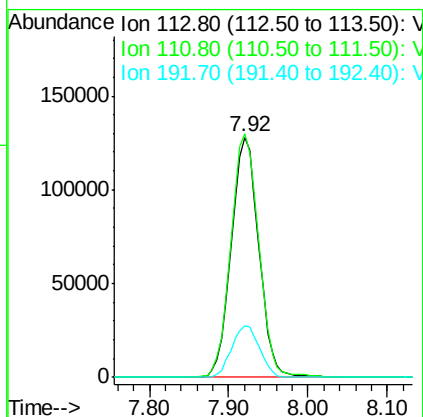
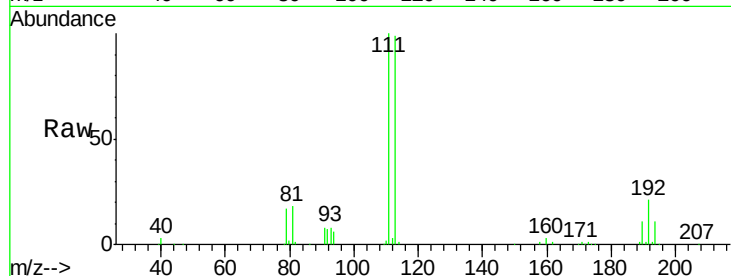


#35  
Dibromofluoromethane  
Concen: 50.690 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD065190.D  
Acq: 14 Feb 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
WFD-SB-02-2-3

Tot Ion:113 Resp: 307578  

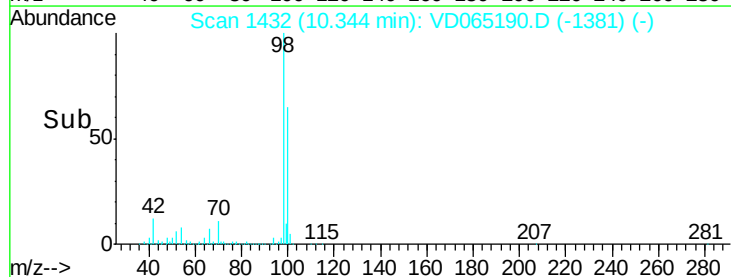
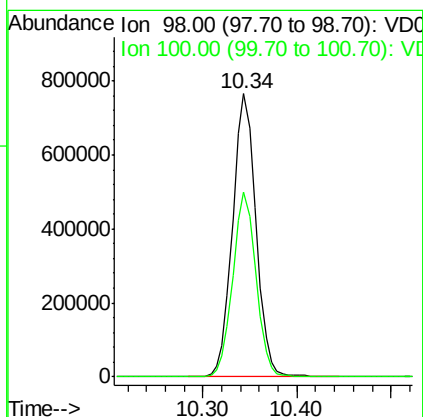
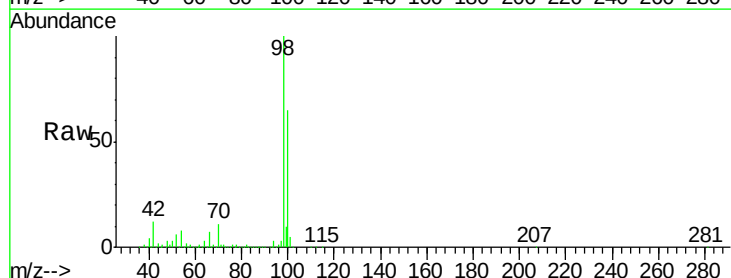
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.9 | 83.1  | 124.7 |
| 192 | 21.8  | 18.1  | 27.1  |

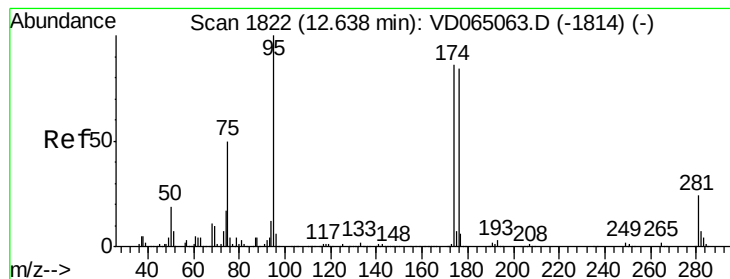


#50  
Toluene-d8  
Concen: 54.862 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065190.D  
Acq: 14 Feb 2020 16:47

Tgt Ion: 98 Resp: 1325021  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.2  | 52.1  | 78.1  |





#62

4-Bromofluorobenzene

Concen: 62.485 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065190.D

Acq: 14 Feb 2020 16:47

Instrument :

MSVOA\_D

ClientSampleId :

WFD-SB-02-2-3

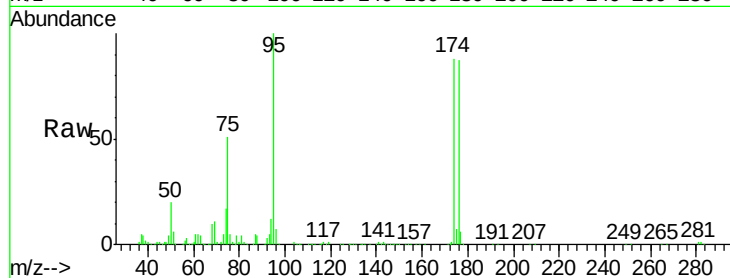
Tot Ion: 95 Resp: 478182

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

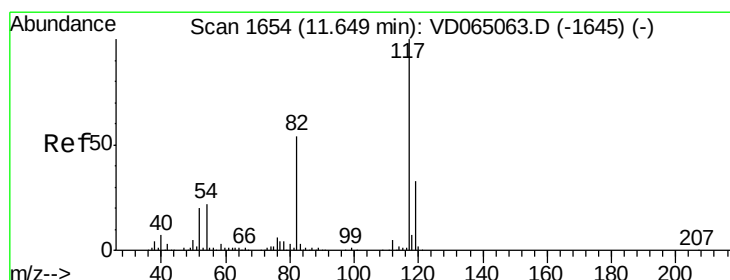
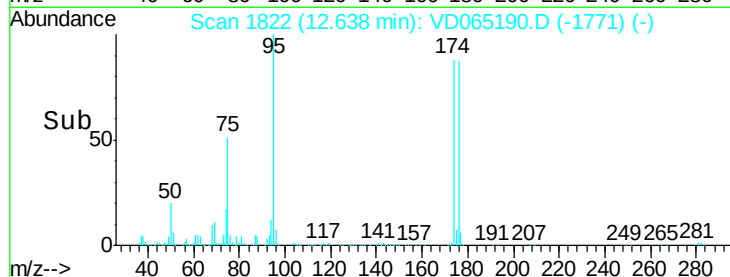
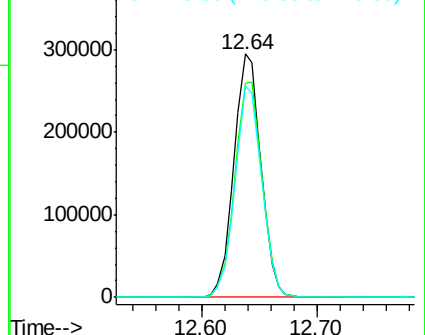
176 85.9 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VD065190.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD065190.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD065190.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065190.D

Acq: 14 Feb 2020 16:47

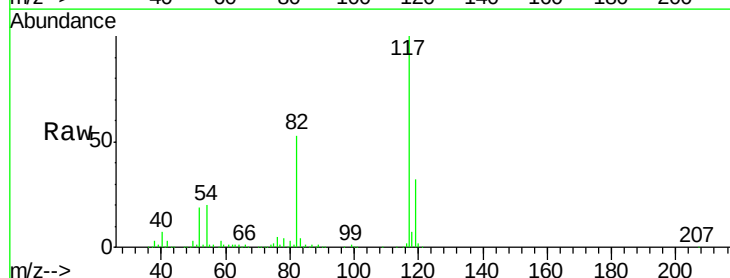
Tgt Ion: 117 Resp: 1104082

Ion Ratio Lower Upper

117 100

82 53.0 43.1 64.7

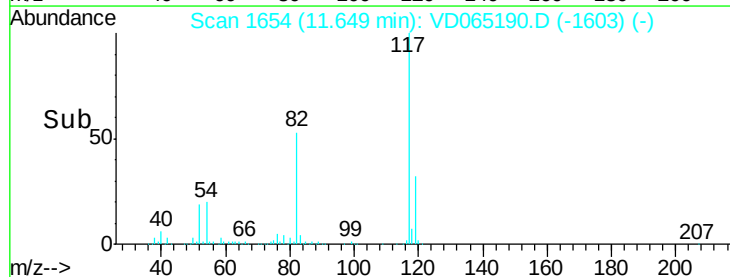
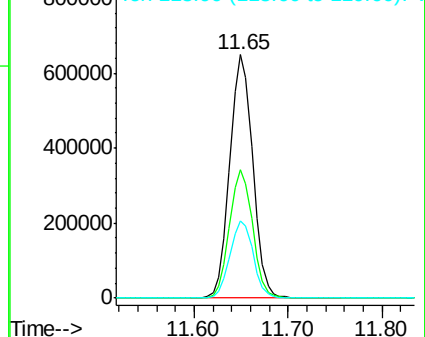
119 31.7 26.0 39.0

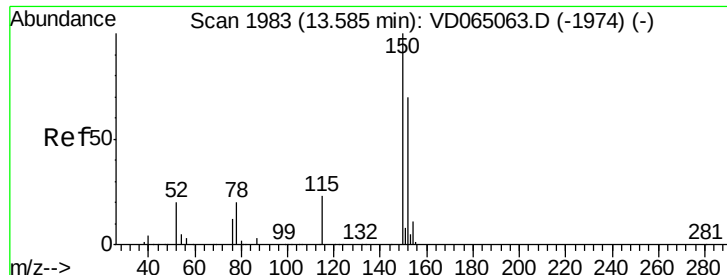


Abundance Ion 116.90 (116.60 to 117.60): VD065190.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD065190.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD065190.D (-1603) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065190.D

Acq: 14 Feb 2020 16:47

Instrument :

MSVOA\_D

ClientSampleId :

WFD-SB-02-2-3

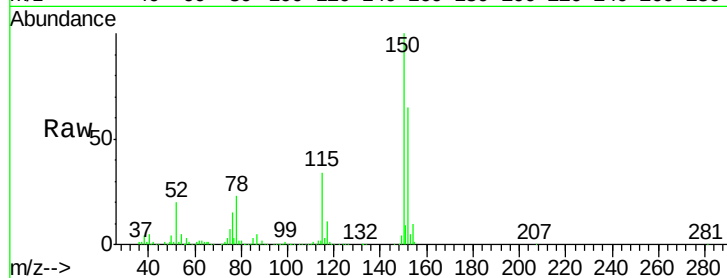
Tot Ion:152 Resp: 518695

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.4

150 156.7 0.0 343.2



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

