

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\  
 Data File : VD065895.D  
 Acq On : 29 Jun 2020 19:11  
 Operator : VA/SY  
 Sample : L3153-19  
 Misc : 6.93G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP2-D

Quant Time: Jun 30 05:17:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D062620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 26 19:16:07 2020  
 Response via : Initial Calibration

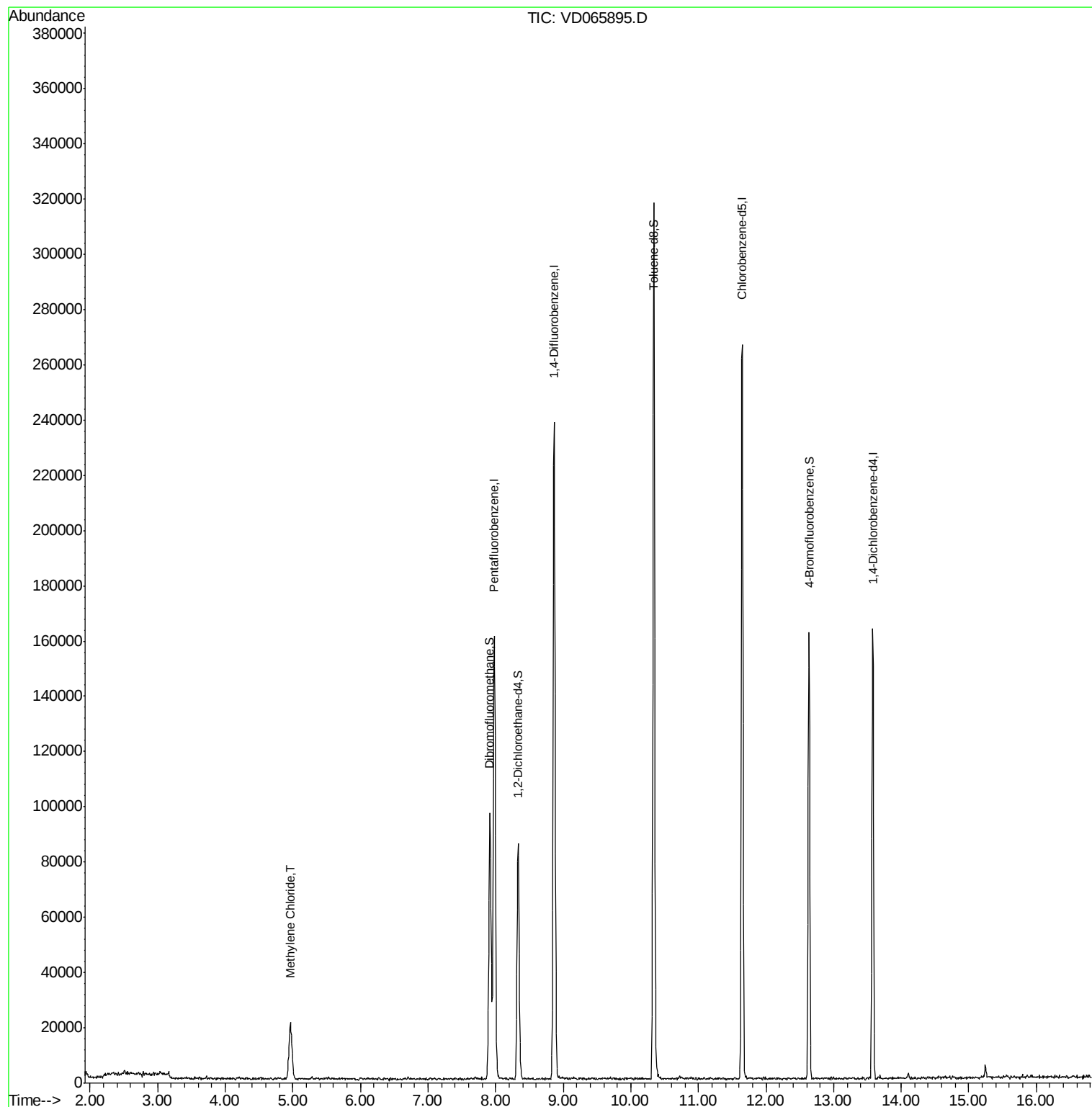
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 114570   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 198664   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 144547   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 40955    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 69808    | 58.65 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.30% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 68520    | 55.80 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.60% |           |
| 50) Toluene-d8              | 10.34 | 98   | 213328   | 46.18 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.36%  |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 50707    | 33.51 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 67.02%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.96  | 84   | 14980    | 7.731 | ug/l    | Qvalue 85 |

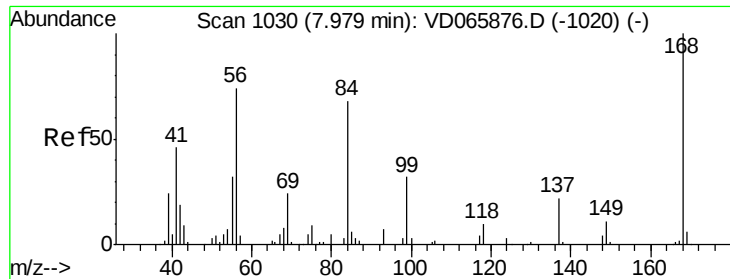
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\  
Data File : VD065895.D  
Acq On : 29 Jun 2020 19:11  
Operator : VA/SY  
Sample : L3153-19  
Misc : 6.93G/5.00ml/MSVOA D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP2-D

Quant Time: Jun 30 05:17:00 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D062620S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 26 19:16:07 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065895.D

Acq: 29 Jun 2020 19:11

Instrument :

MSVOA\_D

ClientSampleId :

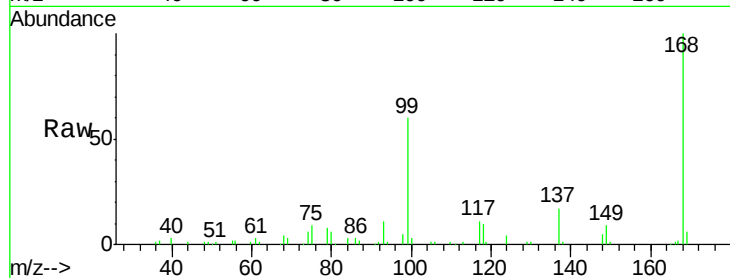
SP2-D

Tot Ion:168 Resp: 114570

Ion Ratio Lower Upper

168 100

99 59.6 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

30000

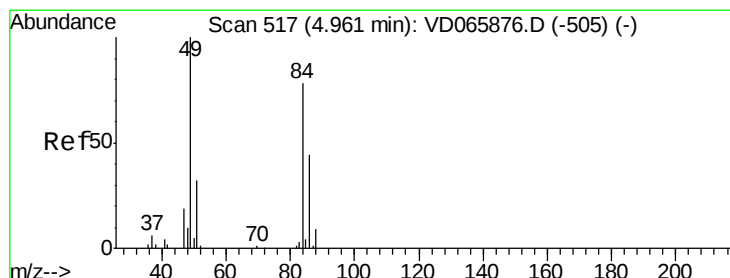
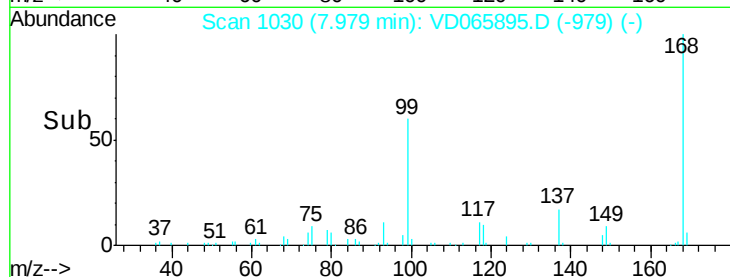
20000

10000

0

Time-->

7.90 8.00 8.10



#20

Methylene Chloride

Concen: 7.731 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065895.D

Acq: 29 Jun 2020 19:11

Tgt Ion: 84 Resp: 14980

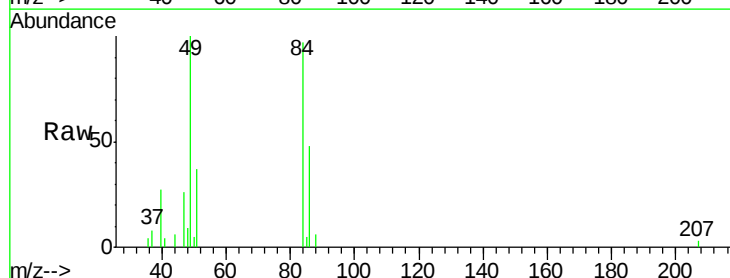
Ion Ratio Lower Upper

84 100

49 103.4 103.0 154.6

51 38.4 32.7 49.1

86 49.8 44.9 67.3



Abundance Ion 83.90 (83.60 to 84.60): 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

8000

6000

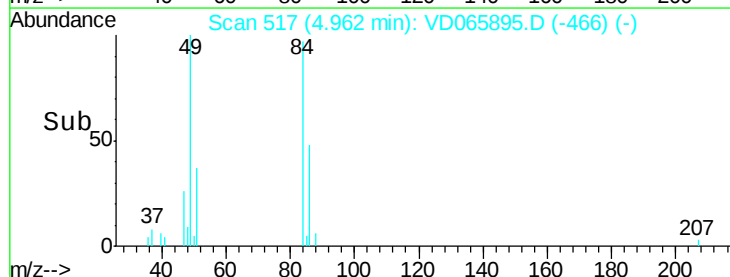
4000

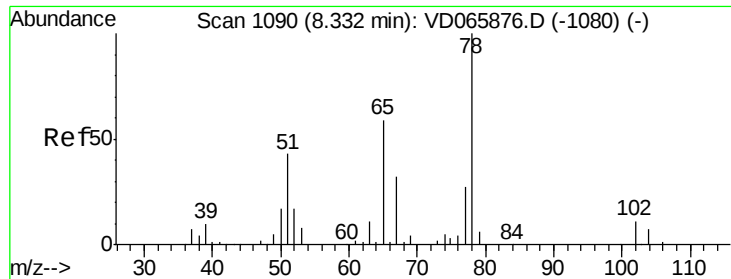
2000

0

Time-->

4.90 5.00





#33

1,2-Dichloroethane-d4

Concen: 58.649 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065895.D

Acq: 29 Jun 2020 19:11

Instrument :

MSVOA\_D

ClientSampleId :

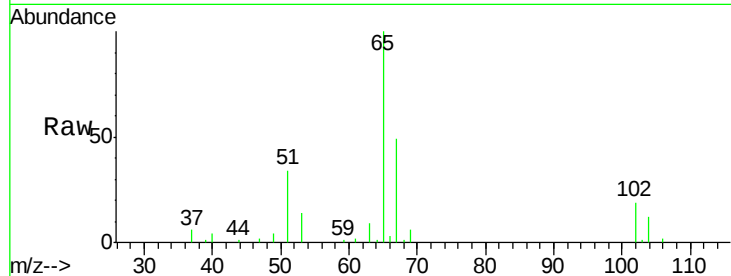
SP2-D

Tot Ion: 65 Resp: 69808

Ion Ratio Lower Upper

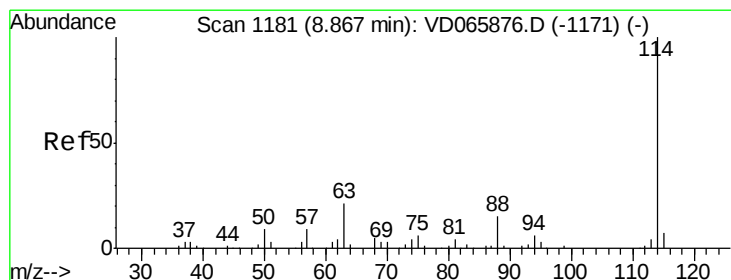
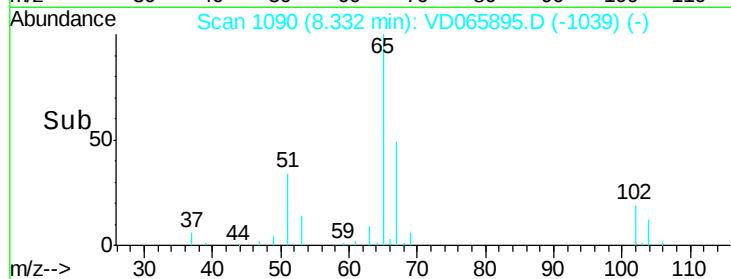
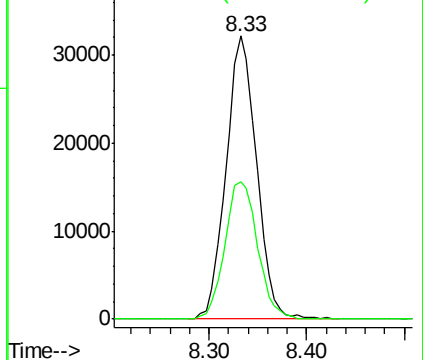
65 100

67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065895.D

Acq: 29 Jun 2020 19:11

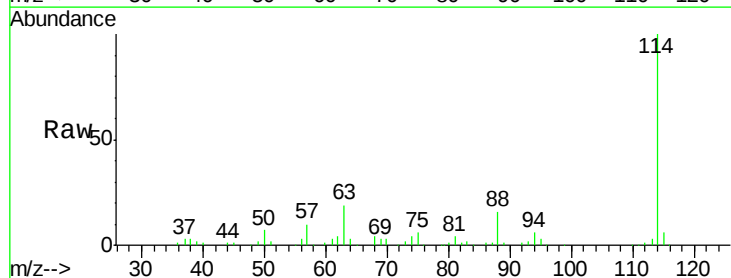
Tgt Ion: 114 Resp: 198664

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

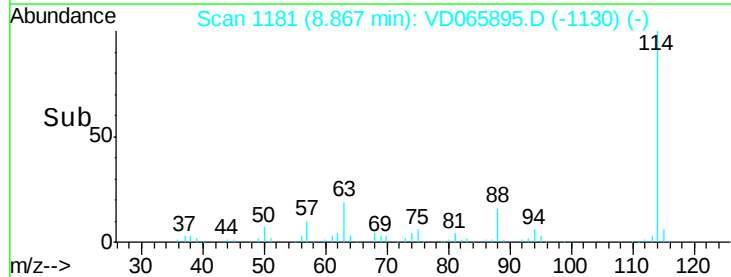
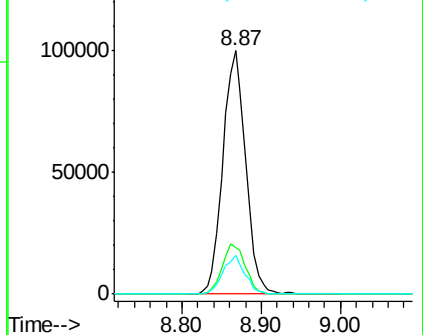
88 15.9 0.0 29.0

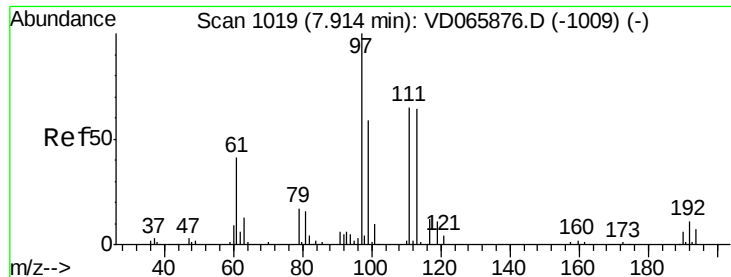


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

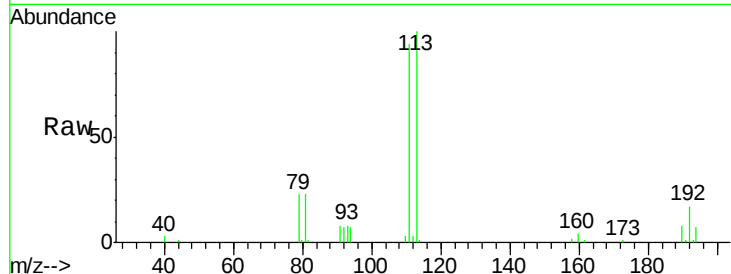




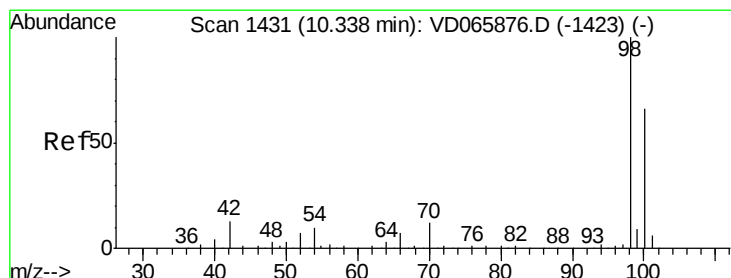
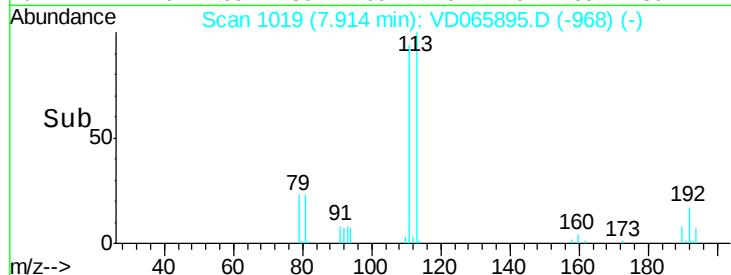
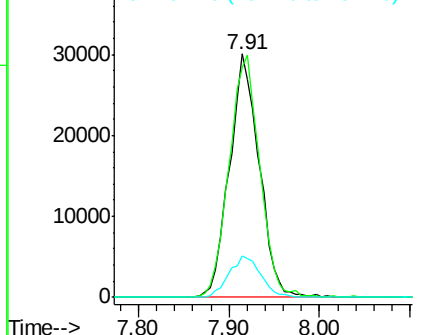
#35  
 Dibromofluoromethane  
 Concen: 55.800 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: VD065895.D  
 Acq: 29 Jun 2020 19:11

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP2-D

Tot Ion:113 Resp: 68520  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.0 121.6  
 192 17.9 15.2 22.8

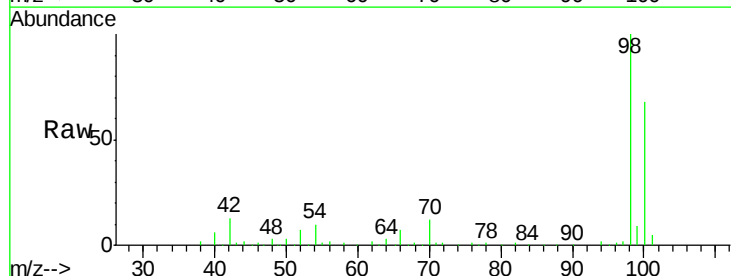


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

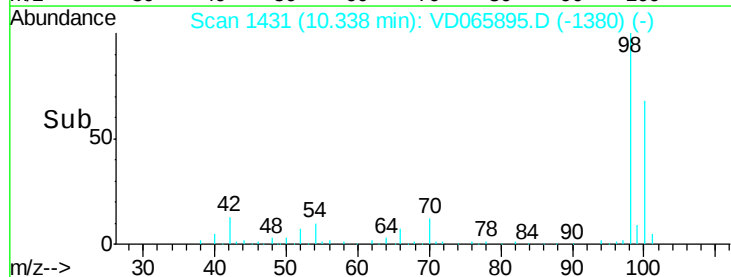
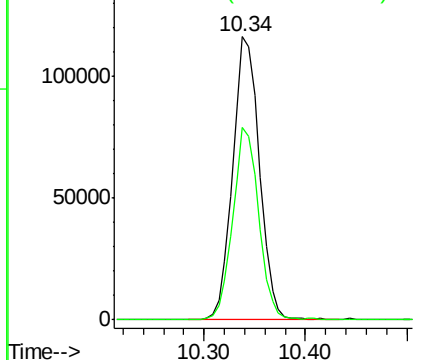


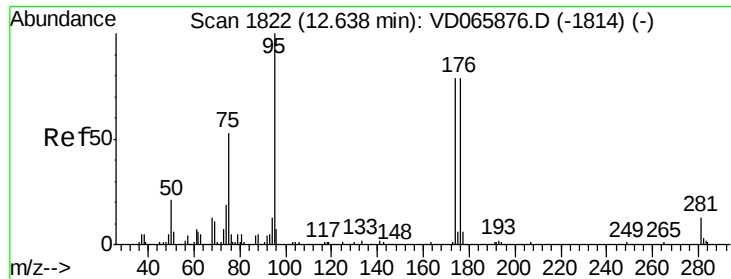
#50  
 Toluene-d8  
 Concen: 46.183 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD065895.D  
 Acq: 29 Jun 2020 19:11

Tgt Ion: 98 Resp: 213328  
 Ion Ratio Lower Upper  
 98 100  
 100 65.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC  
 Ion 100.00 (99.70 to 100.70): VDC

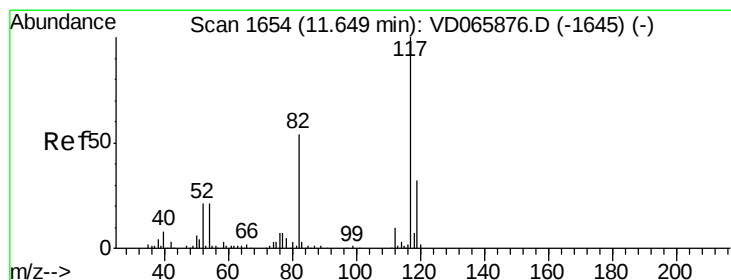
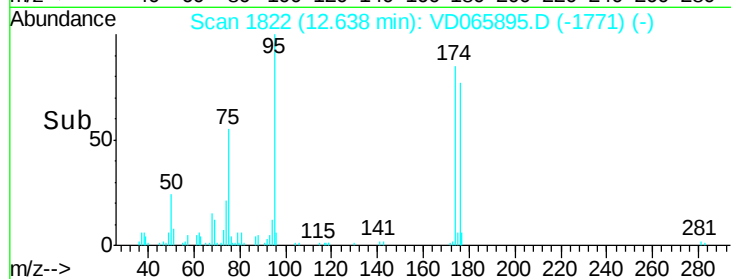
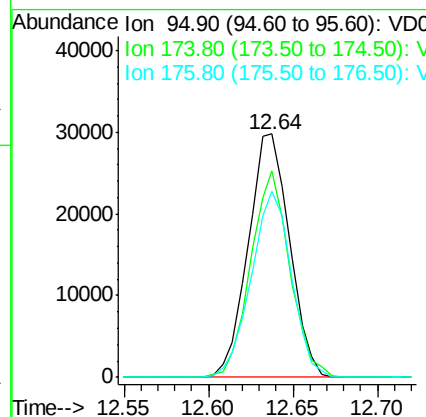
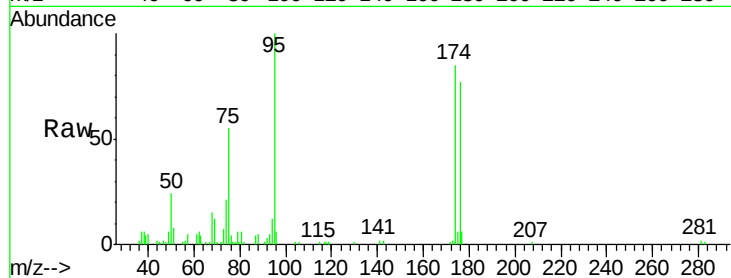




#62  
4-Bromofluorobenzene  
Concen: 33.509 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD065895.D  
Acq: 29 Jun 2020 19:11

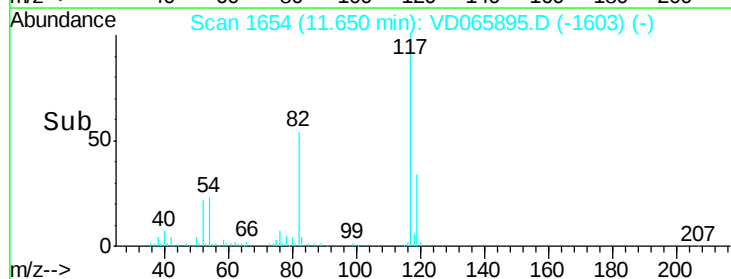
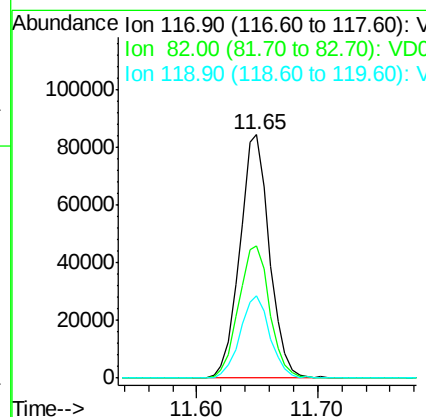
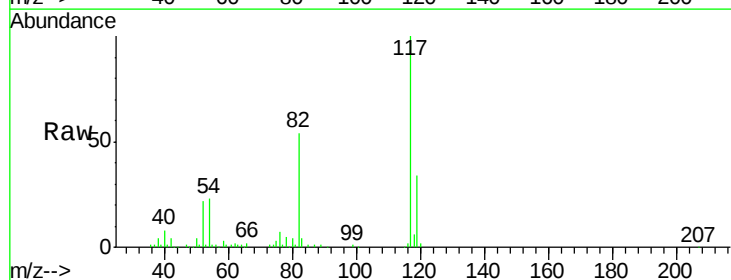
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP2-D

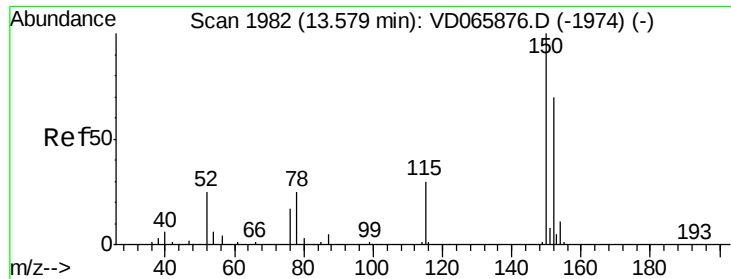
Tot Ion: 95 Resp: 50707  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 158.4  
176 74.4 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065895.D  
Acq: 29 Jun 2020 19:11

Tgt Ion: 117 Resp: 144547  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.6 65.4  
119 33.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065895.D

Acq: 29 Jun 2020 19:11

Instrument :

MSVOA\_D

ClientSampleId :

SP2-D

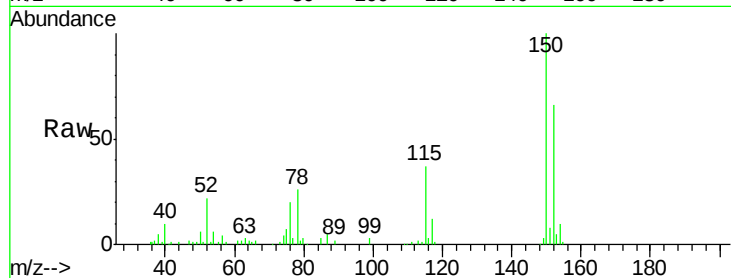
Tot Ion:152 Resp: 40955

Ion Ratio Lower Upper

152 100

115 60.2 29.7 89.1

150 157.1 0.0 346.2



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

