

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\  
 Data File : VD065106.D  
 Acq On : 07 Feb 2020 13:26  
 Operator : VA/SY  
 Sample : L1431-07  
 Misc : 8.06G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 06

Quant Time: Feb 08 00:28:07 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

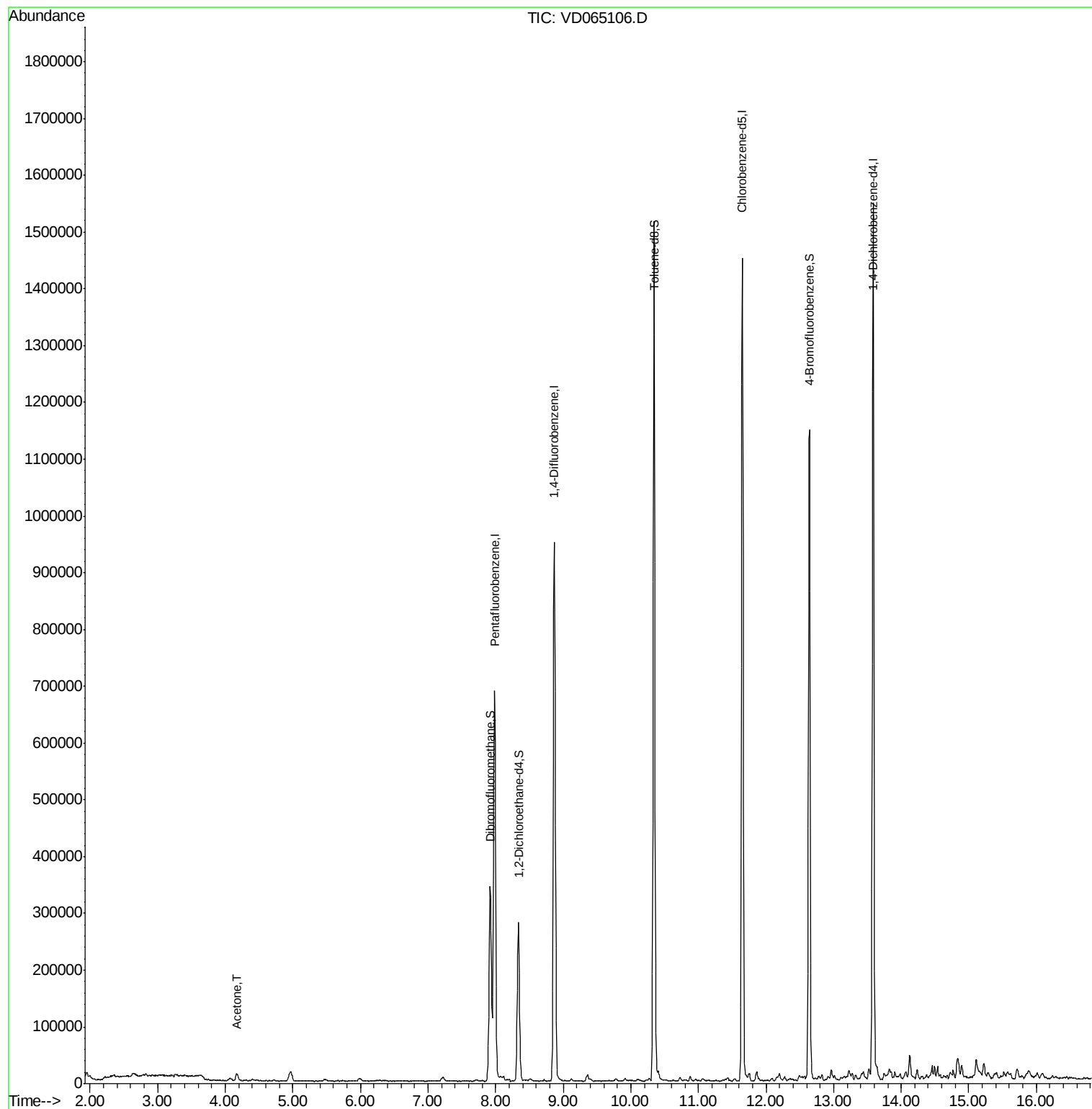
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.99  | 168  | 518786   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 819010   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 822086   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 406839   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 224256   | 50.86  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.72% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 244334   | 53.47  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.94% |           |
| 50) Toluene-d8              | 10.34 | 98   | 1002996  | 55.15  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.30% |           |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 359547   | 62.39  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 124.78% |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.17  | 43   | 21925    | 19.889 | ug/l    | Qvalue 99 |

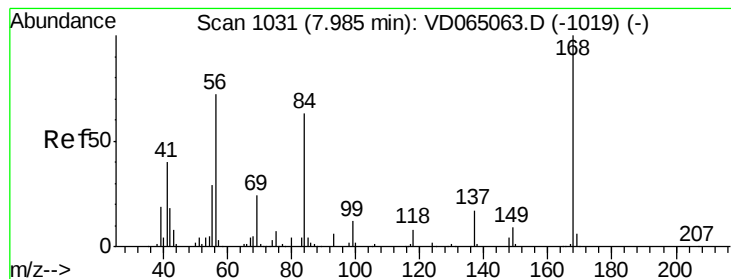
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020720\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D020520S.M  
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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

Instrument :

MSVOA\_D

ClientSampleId :

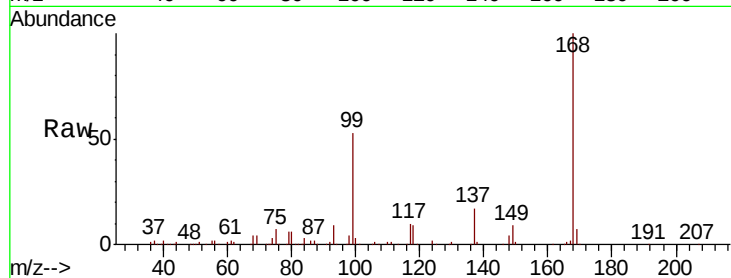
06

Tot Ion:168 Resp: 518786

Ion Ratio Lower Upper

168 100

99 53.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

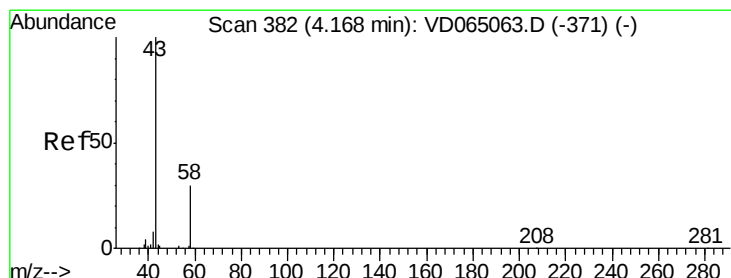
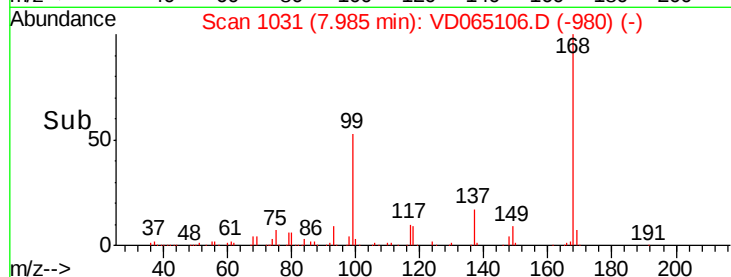
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 19.889 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065106.D

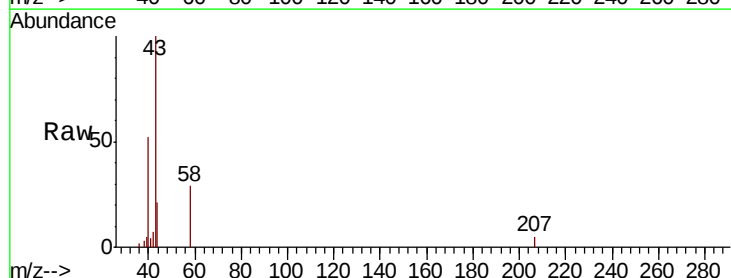
Acq: 07 Feb 2020 13:26

Tgt Ion: 43 Resp: 21925

Ion Ratio Lower Upper

43 100

58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

6000

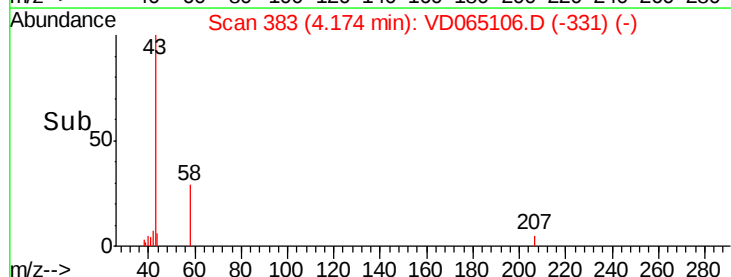
4000

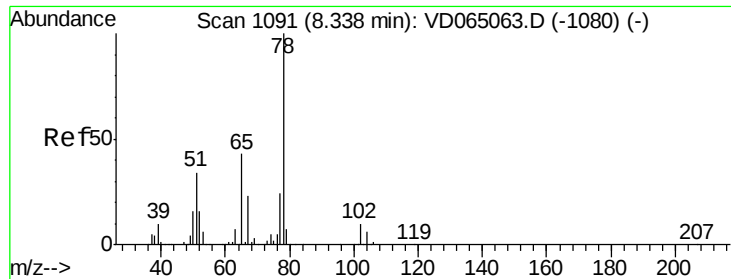
2000

0

Time-->

4.10 4.20 4.30

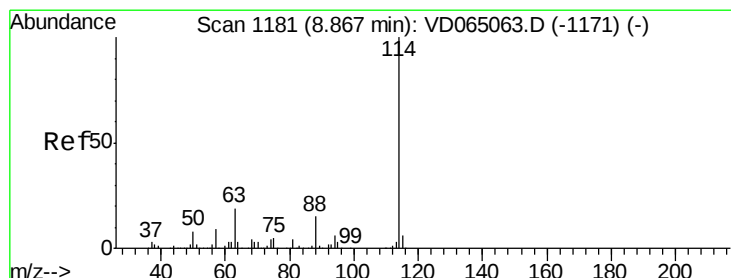
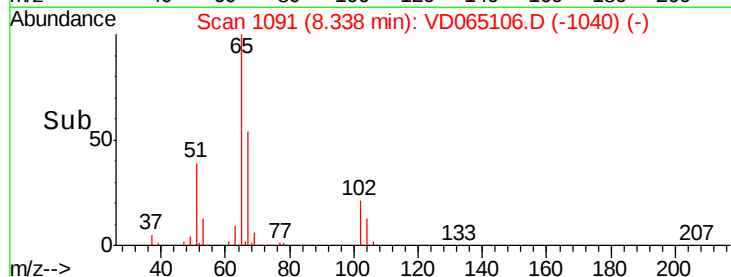
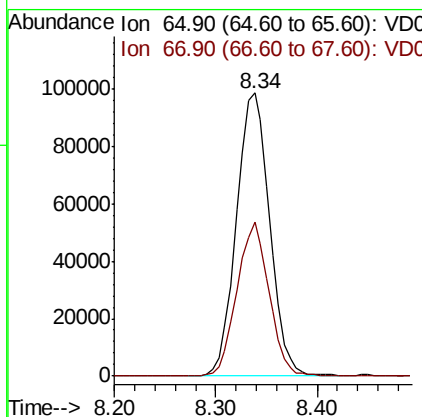
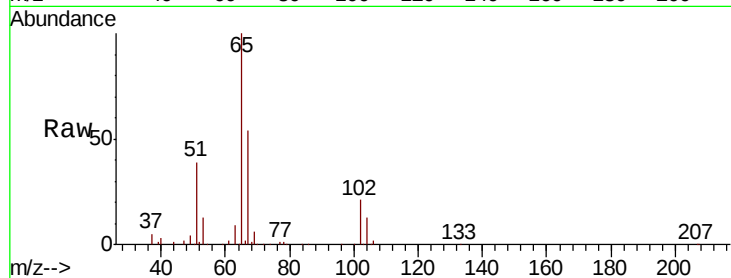




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.861 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD065106.D  
 Acq: 07 Feb 2020 13:26

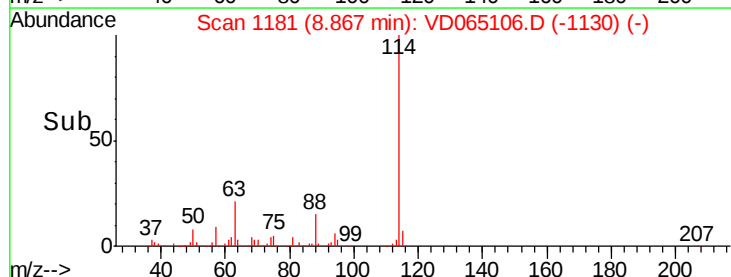
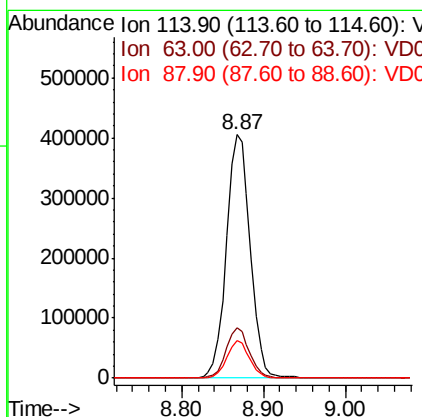
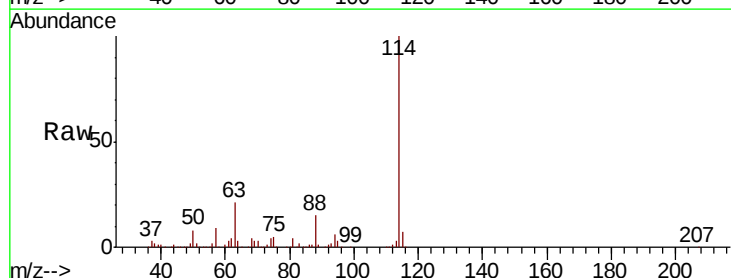
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 06

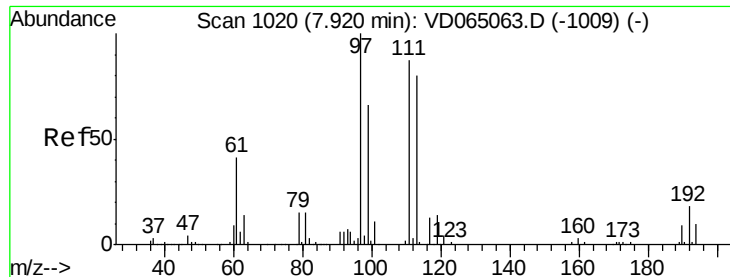
Tot Ion: 65 Resp: 224256  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065106.D  
 Acq: 07 Feb 2020 13:26

Tgt Ion: 114 Resp: 819010  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 38.8  
 88 15.2 0.0 29.6

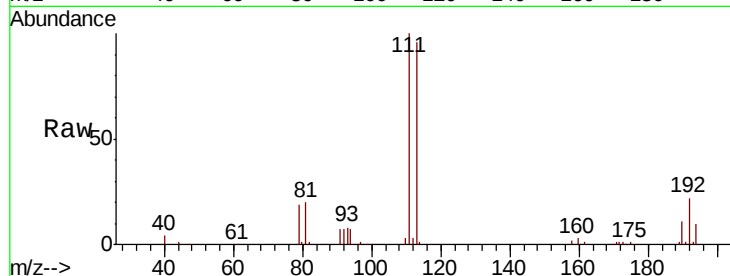




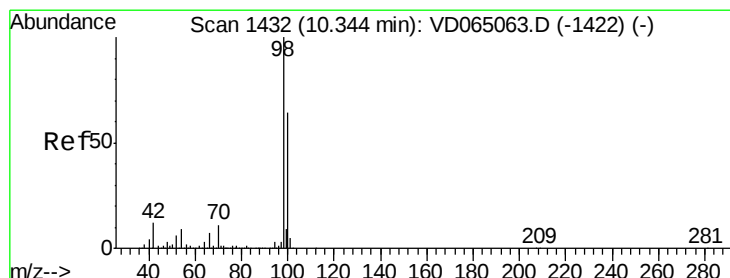
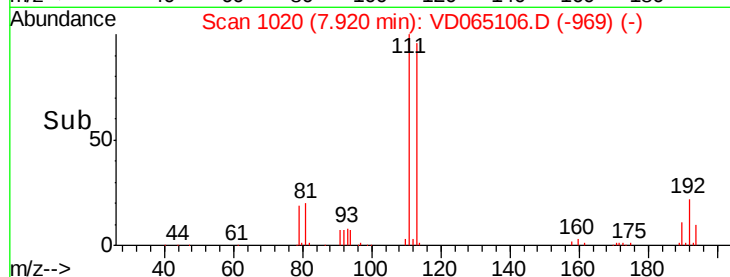
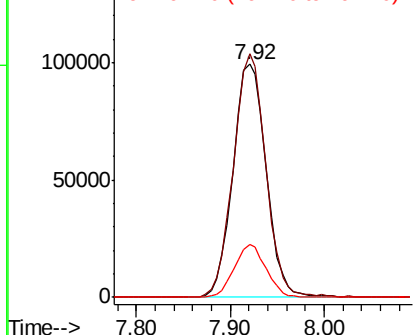
#35  
Dibromofluoromethane  
Concen: 53.470 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VD065106.D  
Acq: 07 Feb 2020 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 83.1  | 124.7 |
| 192     | 21.4  | 18.1  | 27.1  |

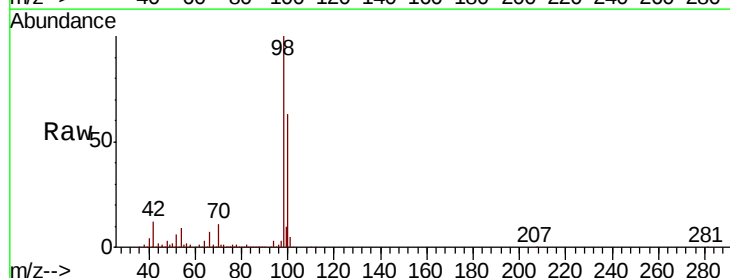


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

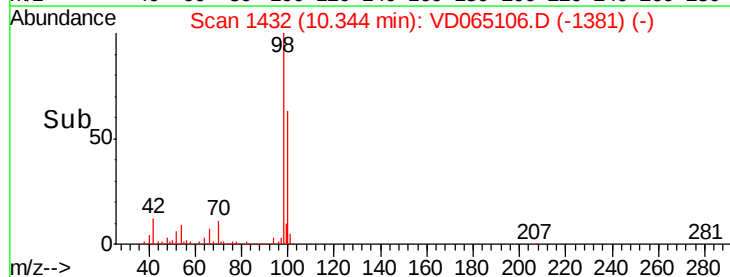
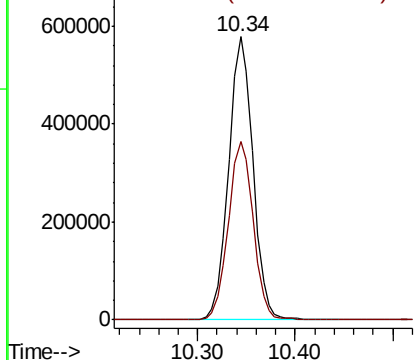


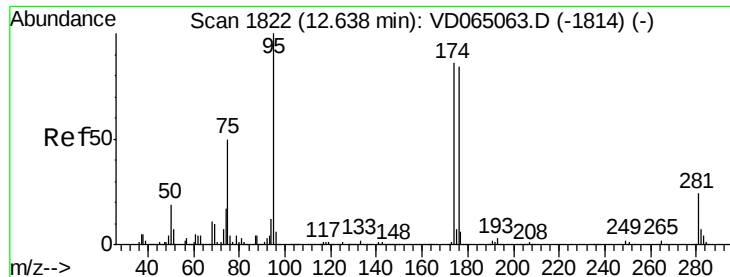
#50  
Toluene-d8  
Concen: 55.145 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065106.D  
Acq: 07 Feb 2020 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.5  | 52.1  | 78.1  |



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

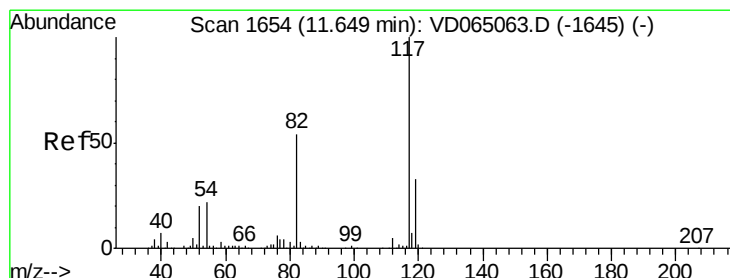
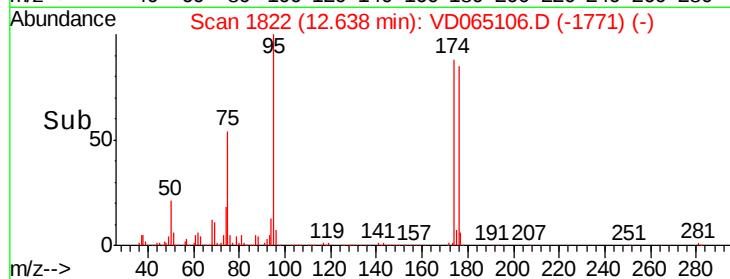
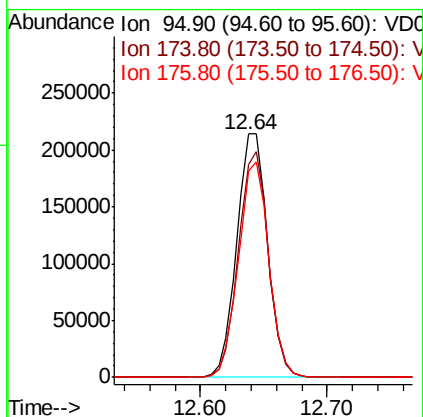
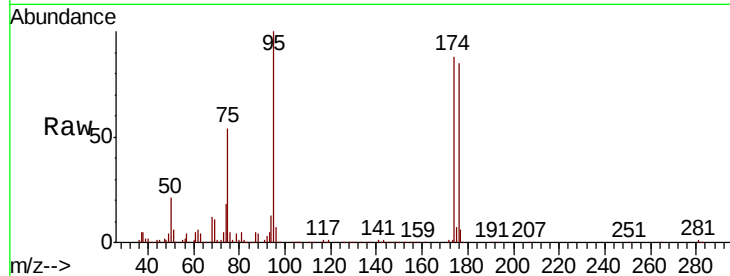




#62  
4-Bromofluorobenzene  
Concen: 62.387 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD065106.D  
Acq: 07 Feb 2020 13:26

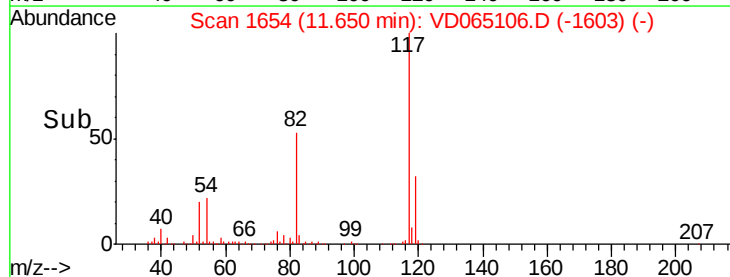
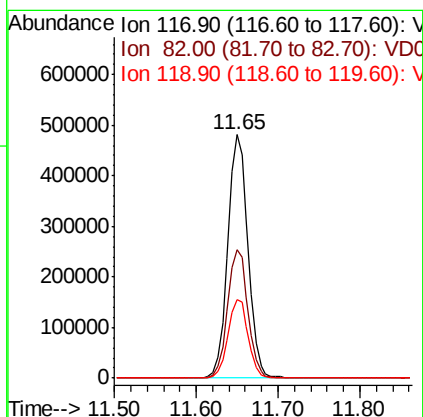
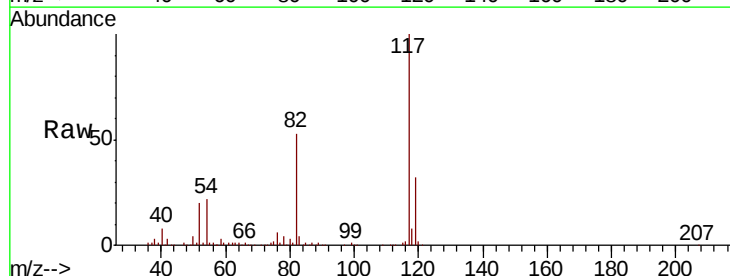
Instrument :  
MSVOA\_D  
ClientSampleId :  
06

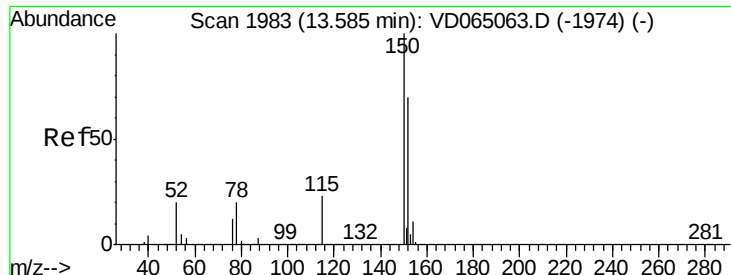
Tot Ion: 95 Resp: 359547  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 180.0  
176 87.3 0.0 173.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065106.D  
Acq: 07 Feb 2020 13:26

Tgt Ion: 117 Resp: 822086  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.1 64.7  
119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

Instrument :

MSVOA\_D

ClientSampleId :

06

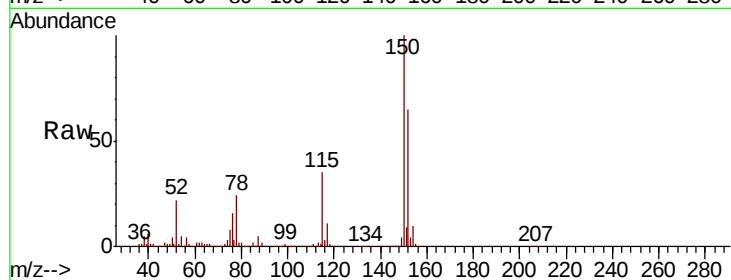
Tot Ion:152 Resp: 406839

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.4

150 155.8 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

