

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\  
 Data File : VD063977.D  
 Acq On : 15 Oct 2019 17:41  
 Operator : VA/SY  
 Sample : K5152-06  
 Misc : 7.94G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-01-101519

Quant Time: Oct 16 03:45:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

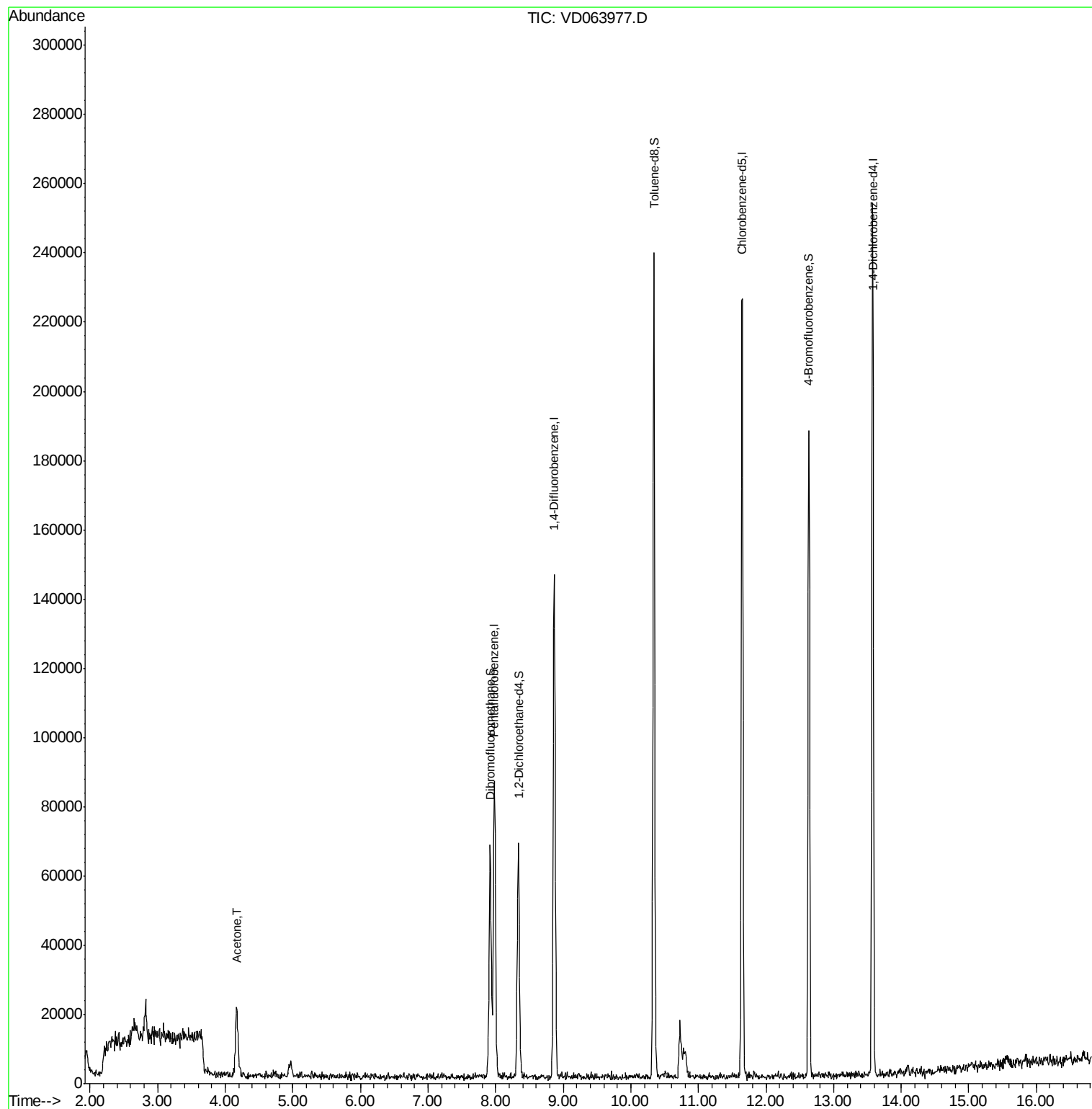
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|---------|---------|-----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 65060    | 50.00   | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 121024   | 50.00   | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 128869   | 50.00   | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 63674    | 50.00   | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |         |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 50383    | 79.54   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 159.08% |           |
| 35) Dibromofluoromethane    | 7.92  | 113  | 42727    | 57.77   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 115.54% |           |
| 50) Toluene-d8              | 10.34 | 98   | 158597   | 52.83   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.66% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 54486    | 52.23   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 104.46% |           |
| Target Compounds            |       |      |          |         |         |           |
| 16) Acetone                 | 4.17  | 43   | 35376    | 214.516 | ug/l    | Qvalue 99 |

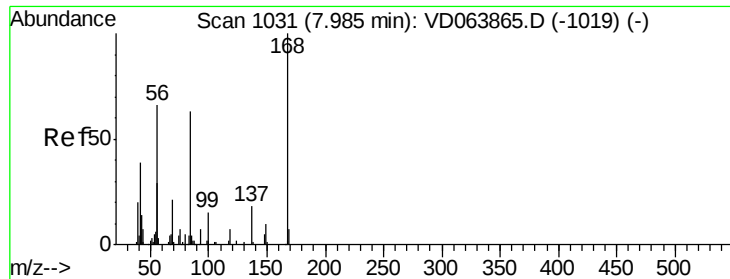
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\  
Data File : VD063977.D  
Acq On : 15 Oct 2019 17:41  
Operator : VA/SY  
Sample : K5152-06  
Misc : 7.94G/5.00ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-01-101519

Quant Time: Oct 16 03:45:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA\_D

ClientSampleId :

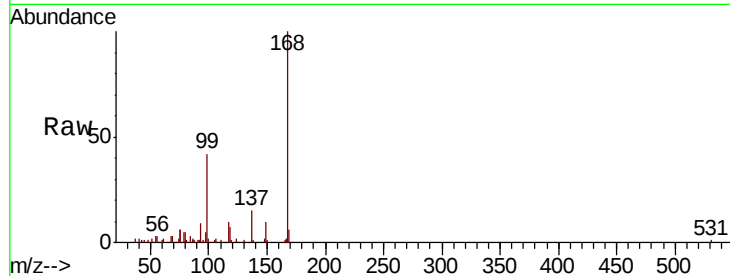
SU-01-101519

Tot Ion:168 Resp: 65060

Ion Ratio Lower Upper

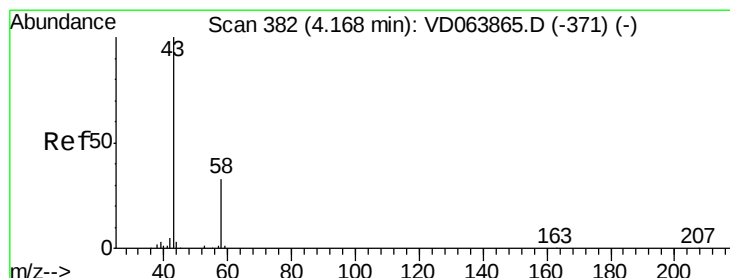
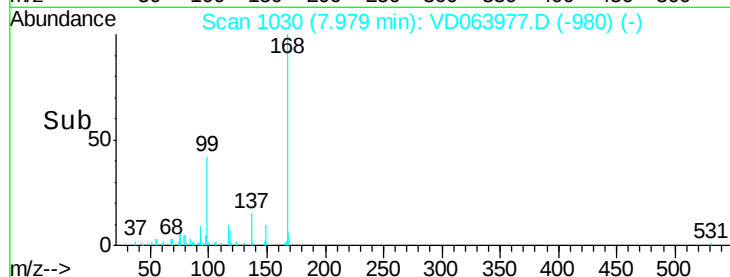
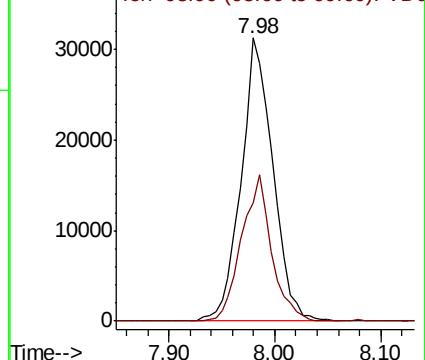
168 100

99 41.9 43.0 64.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 214.516 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD063977.D

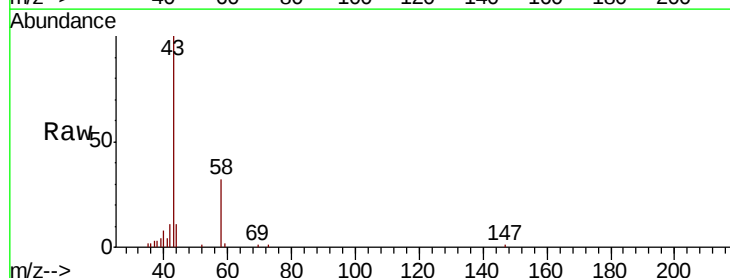
Acq: 15 Oct 2019 17:41

Tgt Ion: 43 Resp: 35376

Ion Ratio Lower Upper

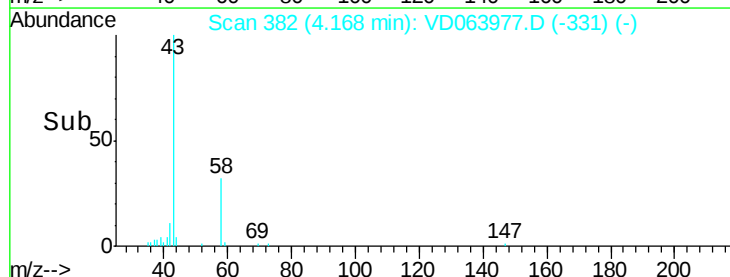
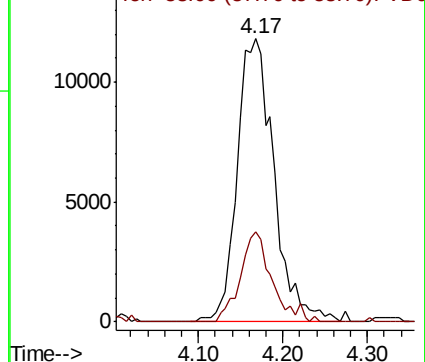
43 100

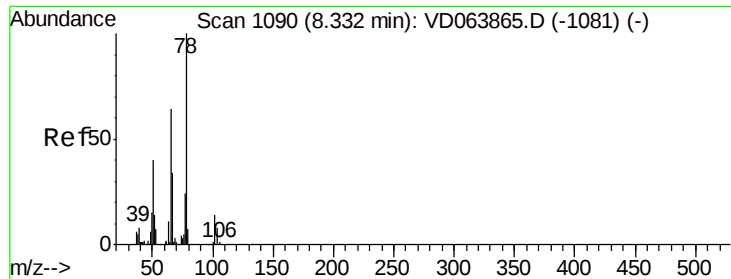
58 32.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 79.543 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA\_D

ClientSampleId :

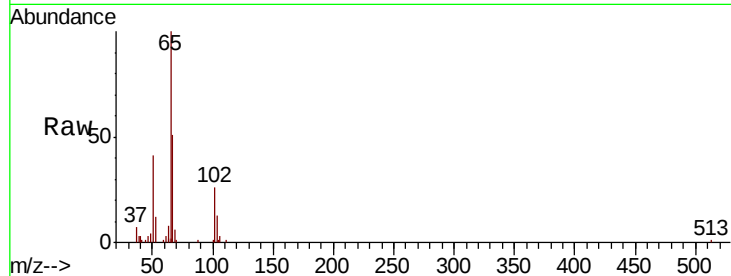
SU-01-101519

Tot Ion: 65 Resp: 50383

Ion Ratio Lower Upper

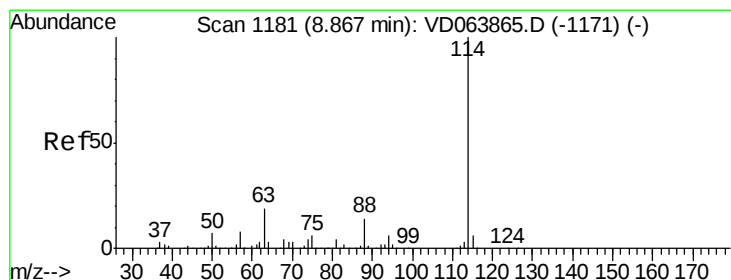
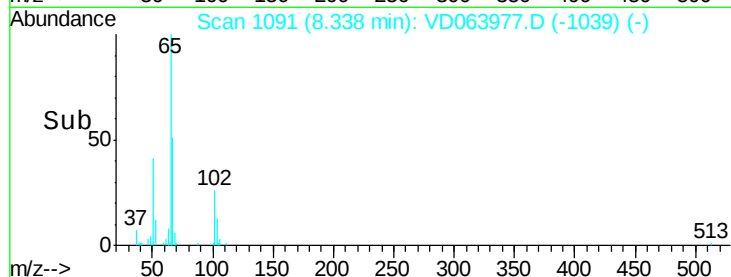
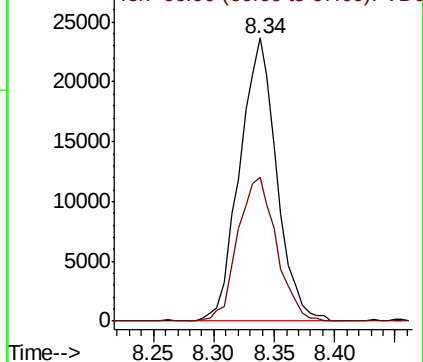
65 100

67 53.0 0.0 106.4



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: VD063977.D

Acq: 15 Oct 2019 17:41

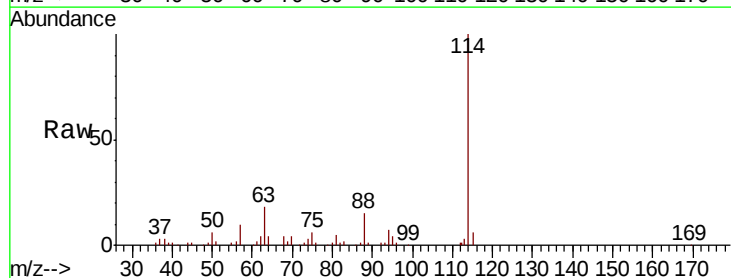
Tgt Ion: 114 Resp: 121024

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

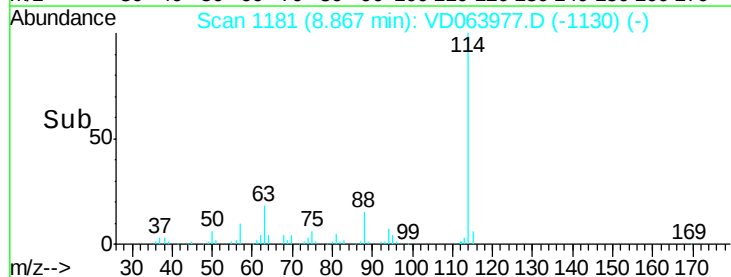
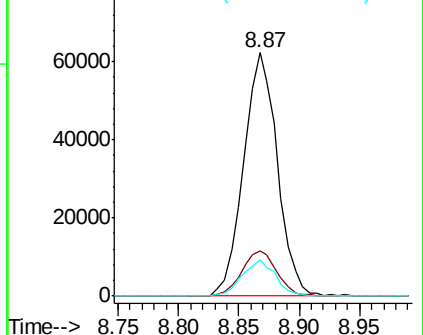
88 15.1 0.0 27.4

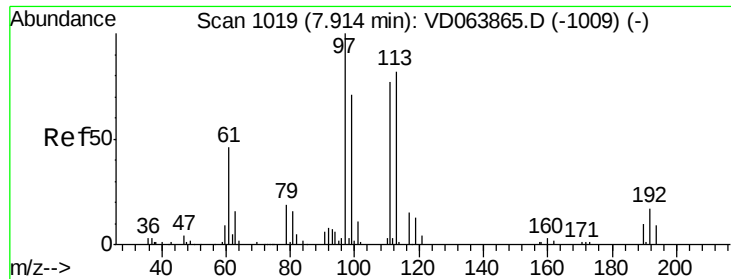


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

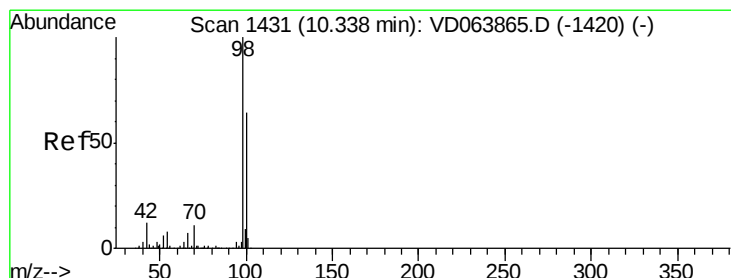
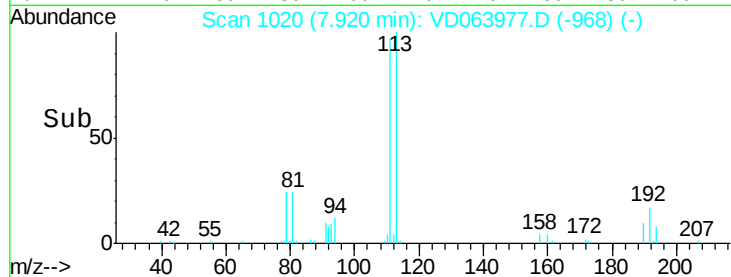
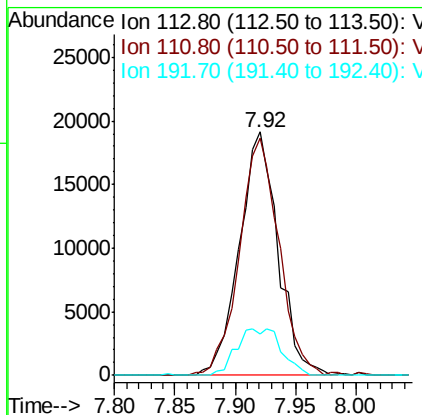
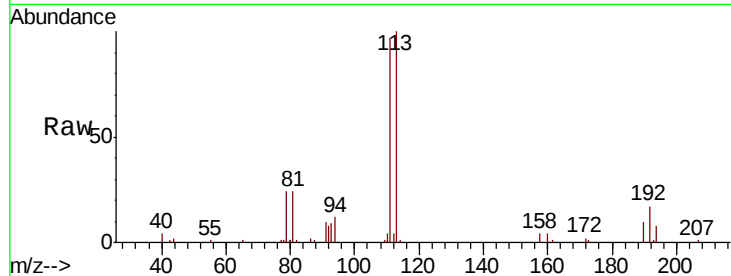




#35  
 Dibromofluoromethane  
 Concen: 57.769 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD063977.D  
 Acq: 15 Oct 2019 17:41

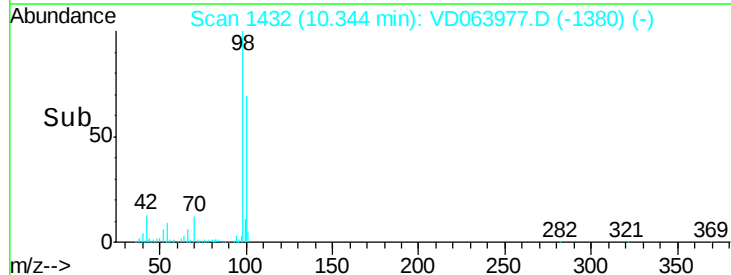
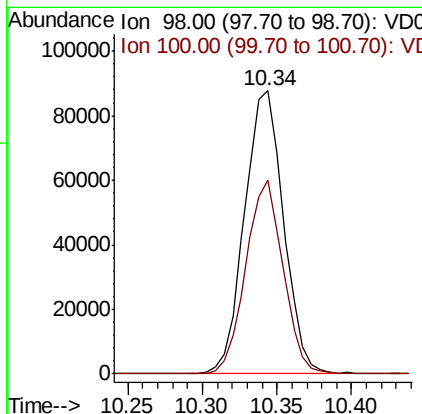
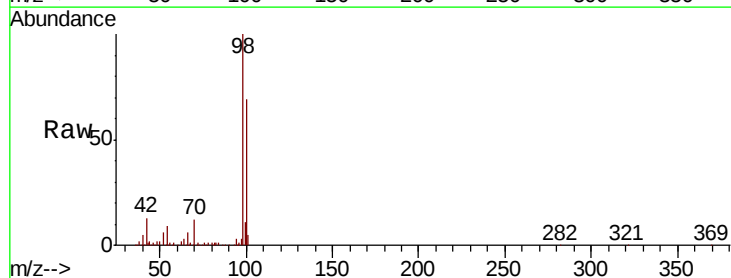
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-01-101519

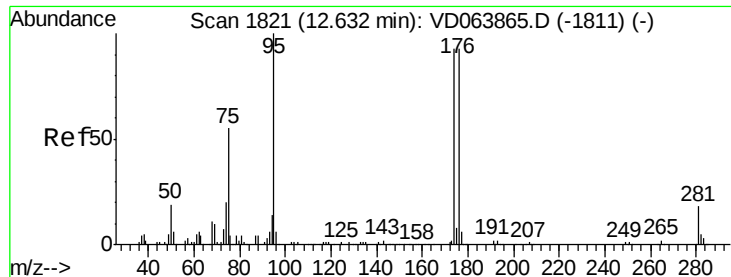
Tot Ion:113 Resp: 42727  
 Ion Ratio Lower Upper  
 113 100  
 111 99.8 82.6 123.8  
 192 22.4 17.1 25.7



#50  
 Toluene-d8  
 Concen: 52.831 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. 0.01 min  
 Lab File: VD063977.D  
 Acq: 15 Oct 2019 17:41

Tgt Ion: 98 Resp: 158597  
 Ion Ratio Lower Upper  
 98 100  
 100 65.3 52.1 78.1

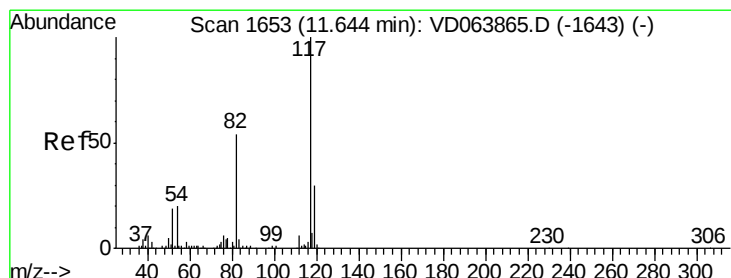
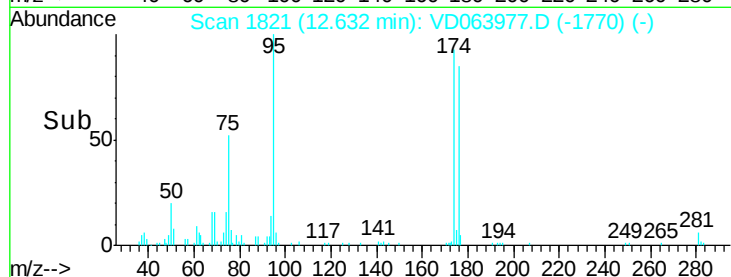
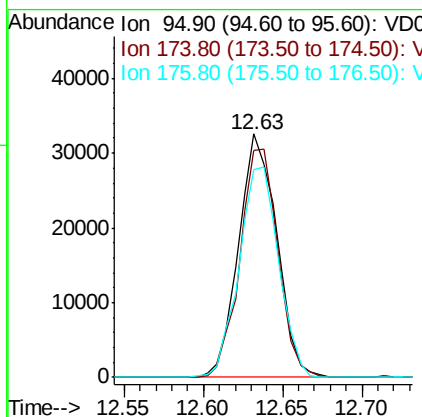
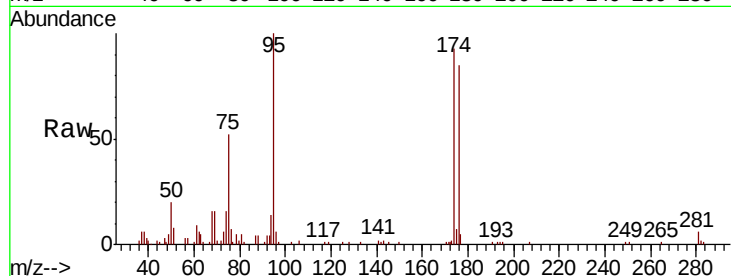




#62  
4-Bromofluorobenzene  
Concen: 52.230 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: VD063977.D  
Acq: 15 Oct 2019 17:41

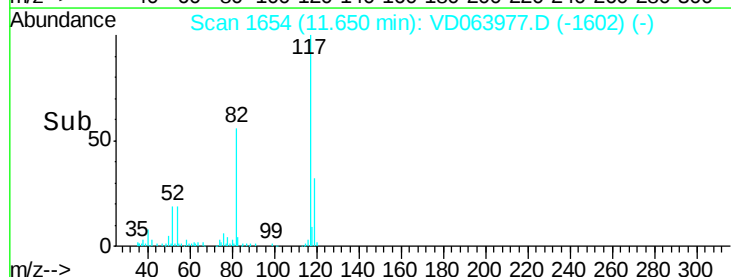
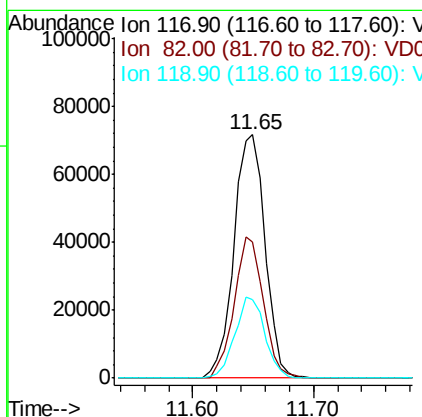
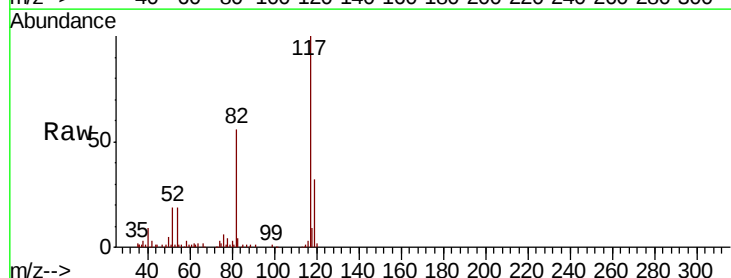
Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-01-101519

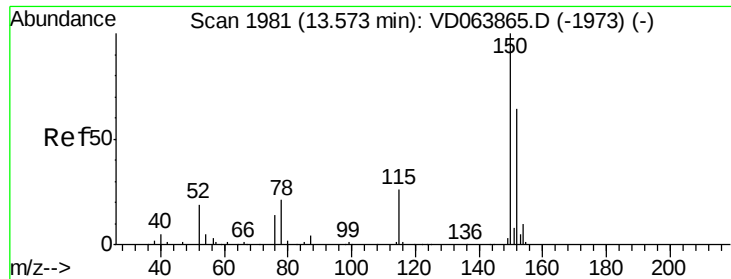
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.3  | 0.0   | 186.4 |
| 176     | 89.6  | 0.0   | 184.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.01 min  
Lab File: VD063977.D  
Acq: 15 Oct 2019 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.7  | 42.8  | 64.2  |
| 119     | 32.0  | 24.4  | 36.6  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA\_D

ClientSampleId :

SU-01-101519

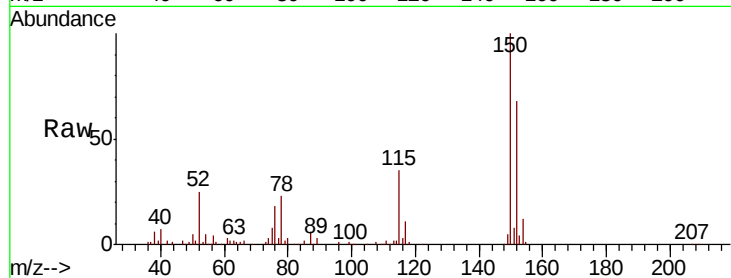
Tot Ion:152 Resp: 63674

Ion Ratio Lower Upper

152 100

115 55.9 25.9 77.7

150 156.8 0.0 344.2



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

