

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\  
 Data File : VD067389.D  
 Acq On : 26 Oct 2020 13:44  
 Operator : VA/SY  
 Sample : L4512-02  
 Misc : 5.03G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VOC

Quant Time: Oct 27 01:17:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 19 19:13:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 320887   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 515054   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 492582   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 240615   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 154438   | 48.04 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.08% |      |
| 35) Dibromofluoromethane    | 7.92   | 113 | 163798   | 47.79 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.58% |      |
| 50) Toluene-d8              | 10.34  | 98  | 603330   | 48.64 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.28% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 208783   | 48.40 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.80% |      |

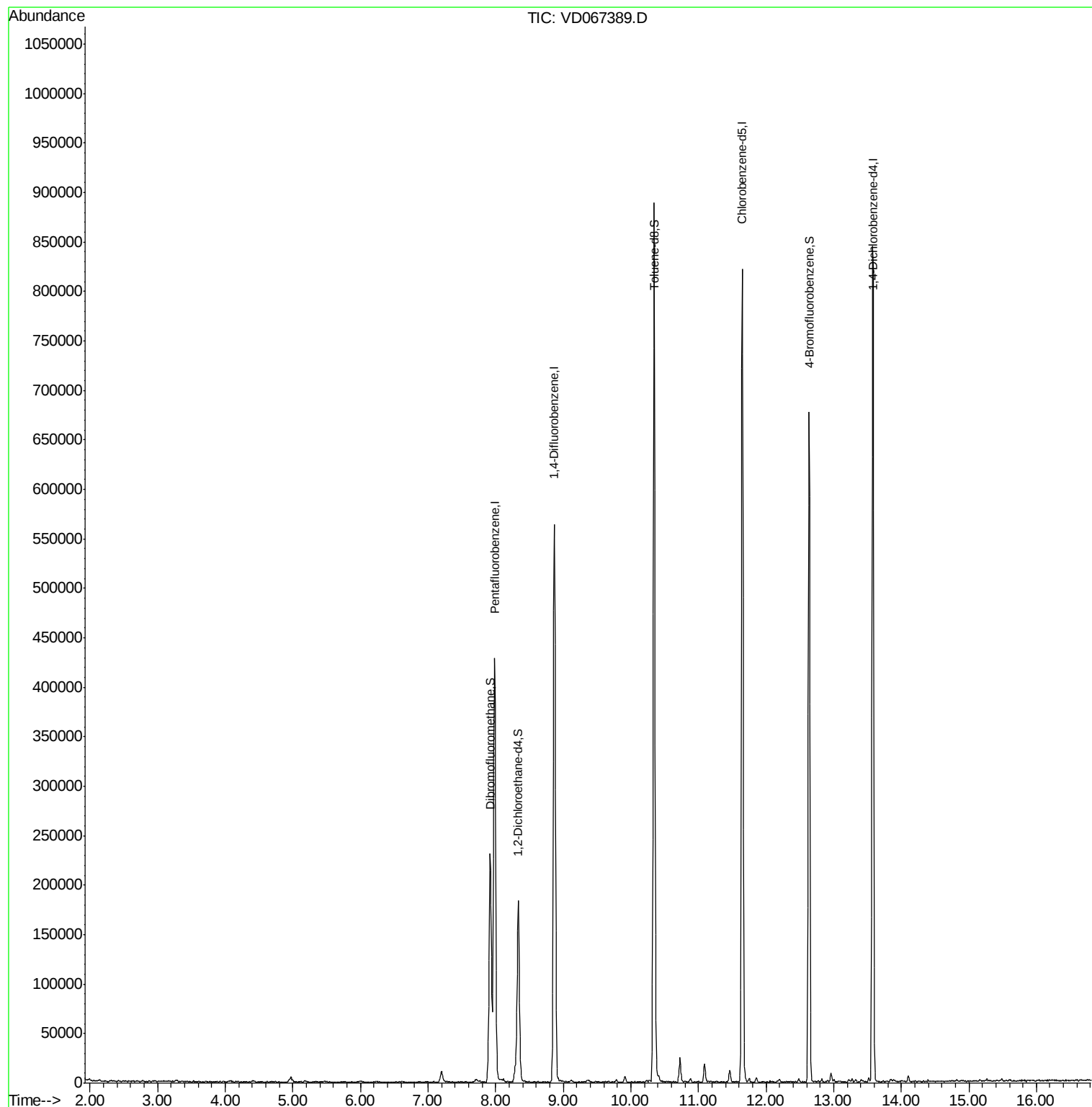
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

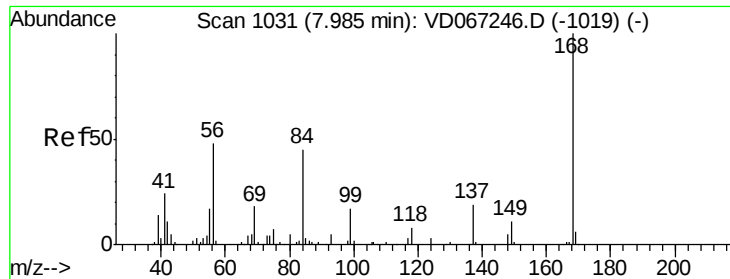
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\  
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Sample : L4512-02  
Misc : 5.03G/5.00ml/MSVOA D/SOIL  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
VOC

Quant Time: Oct 27 01:17:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 19 19:13:29 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: VD067389.D

Acq: 26 Oct 2020 13:44

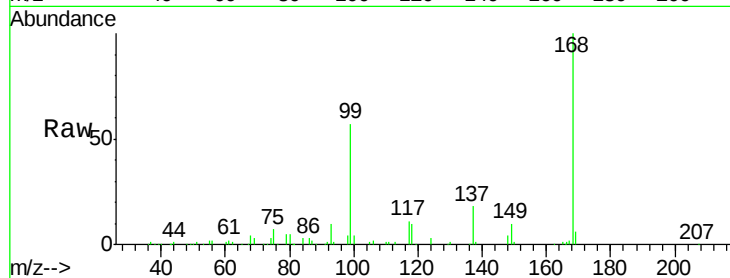
Instrument :  
MSVOA\_D  
ClientSampled :  
VOC

Tot Ion:168 Resp: 320887

Ion Ratio Lower Upper

168 100

99 56.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

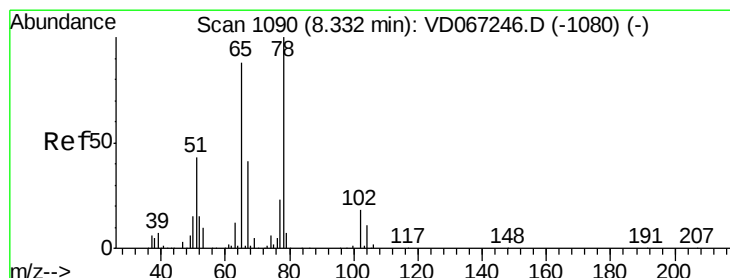
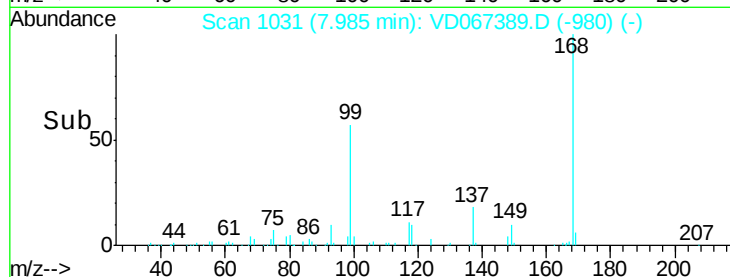
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.040 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067389.D

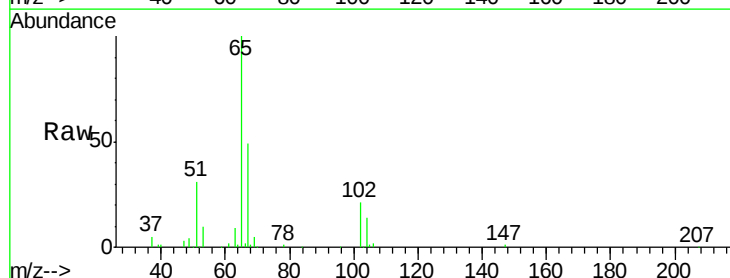
Acq: 26 Oct 2020 13:44

Tgt Ion: 65 Resp: 154438

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

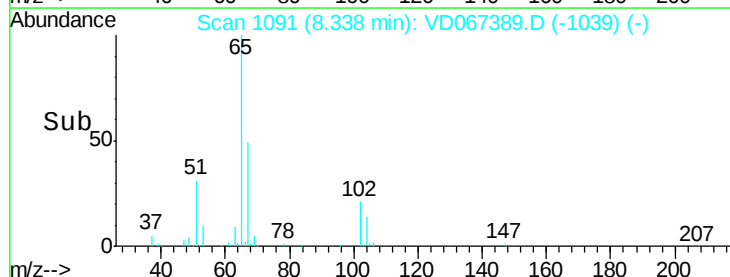
40000

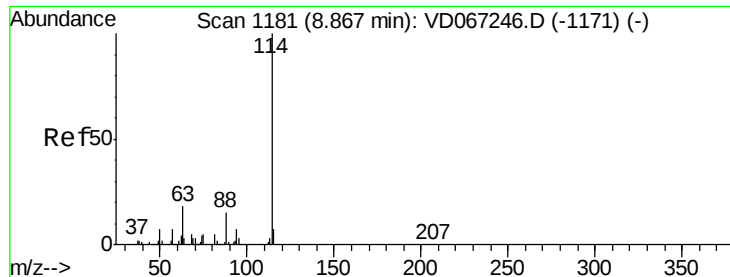
20000

0

8.20 8.30 8.40 8.50

Time-->

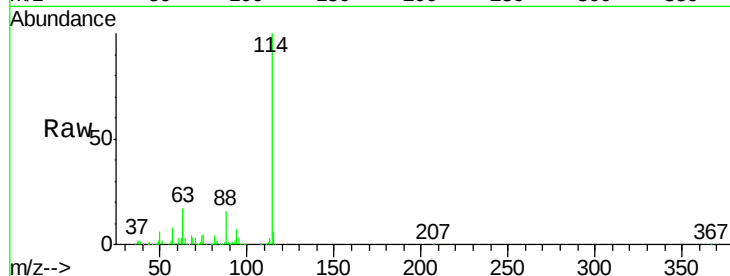




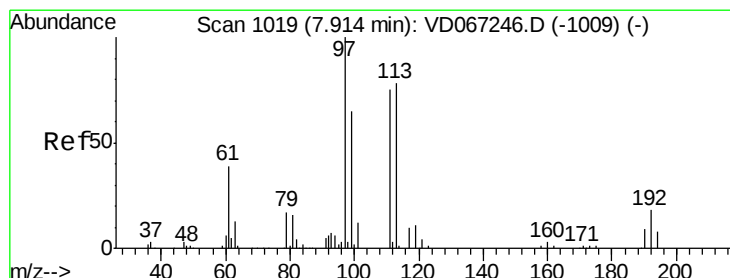
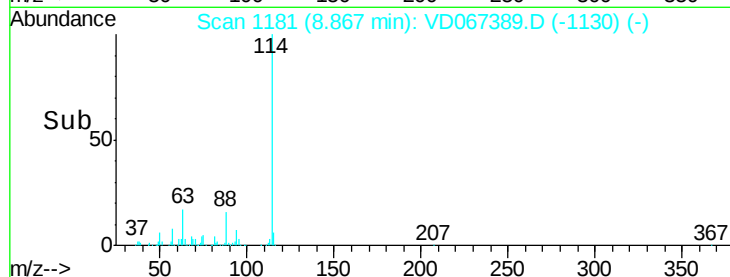
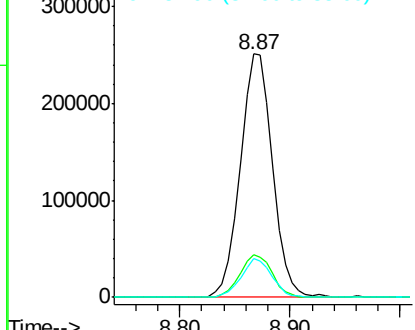
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD067389.D  
 Acq: 26 Oct 2020 13:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VOC

Tot Ion:114 Resp: 515054  
 Ion Ratio Lower Upper  
 114 100  
 63 17.5 0.0 35.0  
 88 15.7 0.0 30.6

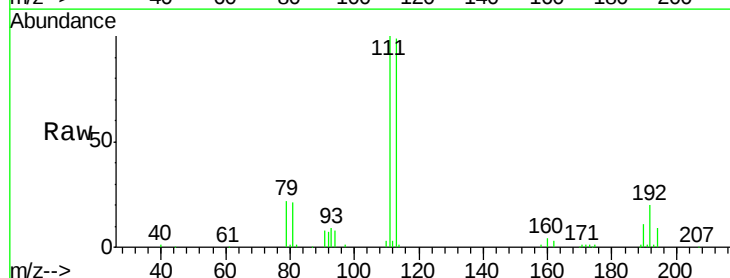


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

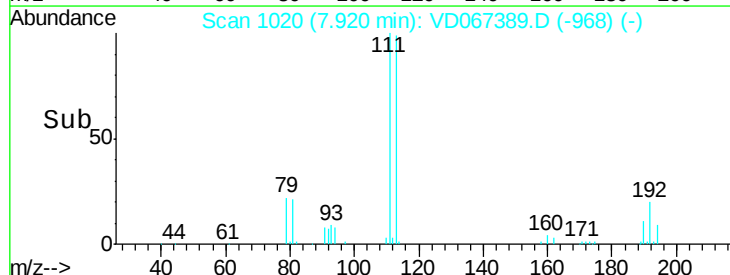
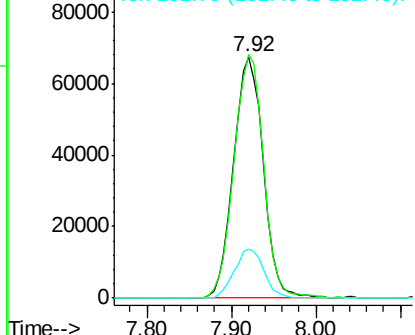


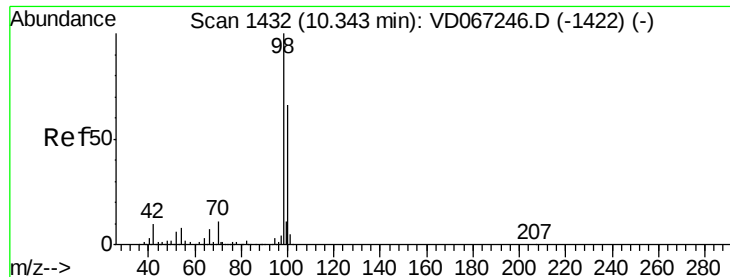
#35  
 Dibromofluoromethane  
 Concen: 47.787 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD067389.D  
 Acq: 26 Oct 2020 13:44

Tgt Ion:113 Resp: 163798  
 Ion Ratio Lower Upper  
 113 100  
 111 100.4 81.6 122.4  
 192 20.1 17.0 25.4



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: 48.638 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

Instrument :

MSVOA\_D

ClientSampleId :

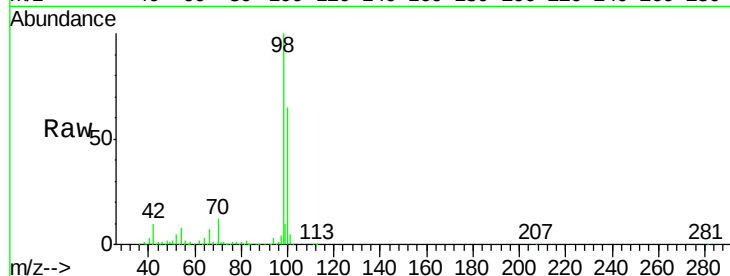
VOC

Tot Ion: 98 Resp: 603330

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VD067246.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD067246.D (-1422) (-)

10.34

400000

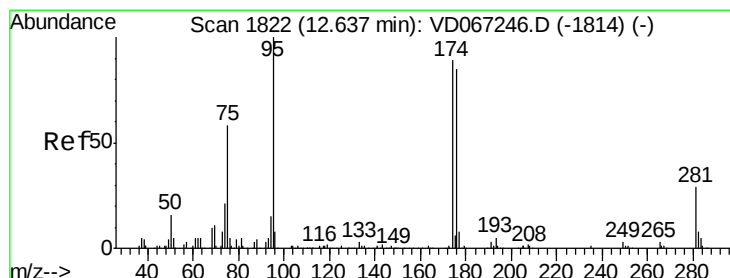
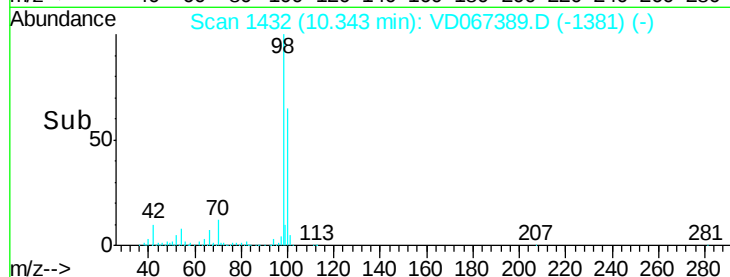
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.404 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067389.D

Acq: 26 Oct 2020 13:44

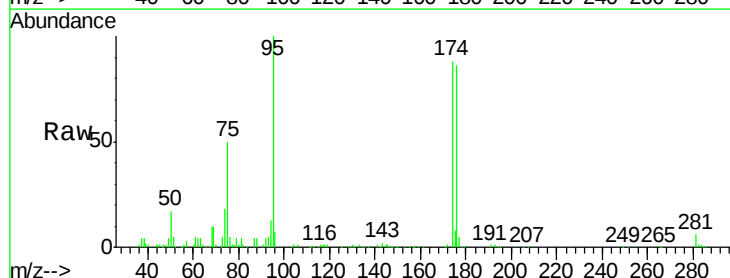
Tgt Ion: 95 Resp: 208783

Ion Ratio Lower Upper

95 100

174 89.4 0.0 175.2

176 86.8 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VD067246.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD067246.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD067246.D (-1814) (-)

12.64

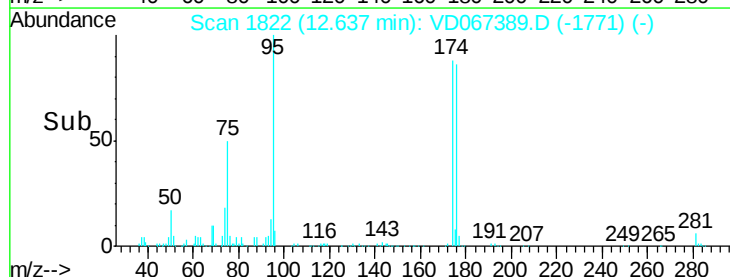
150000

100000

50000

0

Time-->

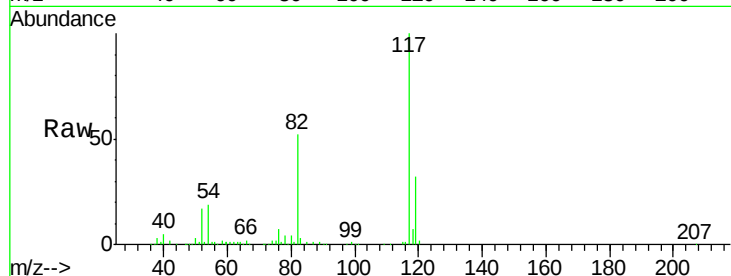




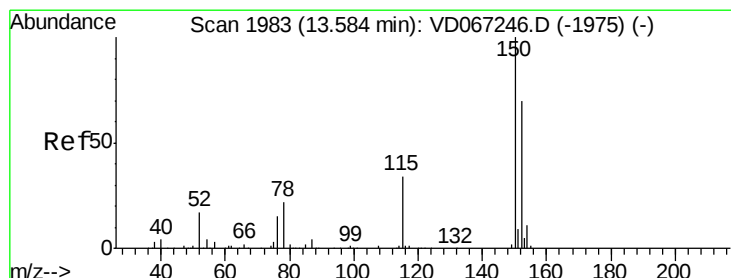
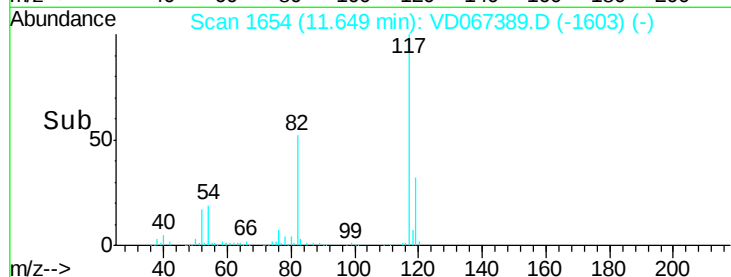
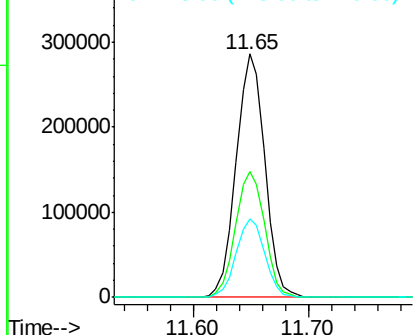
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067389.D  
Acq: 26 Oct 2020 13:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VOC

Tot Ion:117 Resp: 492582  
Ion Ratio Lower Upper  
117 100  
82 51.5 39.9 59.9  
119 32.3 24.9 37.3

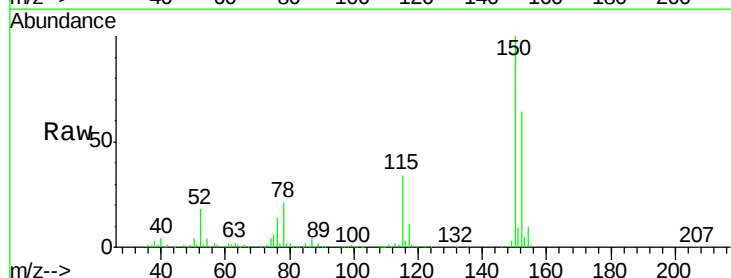


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD067389.D  
Acq: 26 Oct 2020 13:44

Tgt Ion:152 Resp: 240615  
Ion Ratio Lower Upper  
152 100  
115 57.2 29.3 87.9  
150 154.9 0.0 339.0



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

