

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\  
 Data File : VN056105.D  
 Acq On : 7 Jun 2019 18:04  
 Operator : JC/SP  
 Sample : K3251-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 08 06:33:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 329702   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 500400   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 465657   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 142596   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 161675   | 49.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.78%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 145651   | 47.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.88%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 595326   | 50.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.78% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 184579   | 45.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.88%  |          |

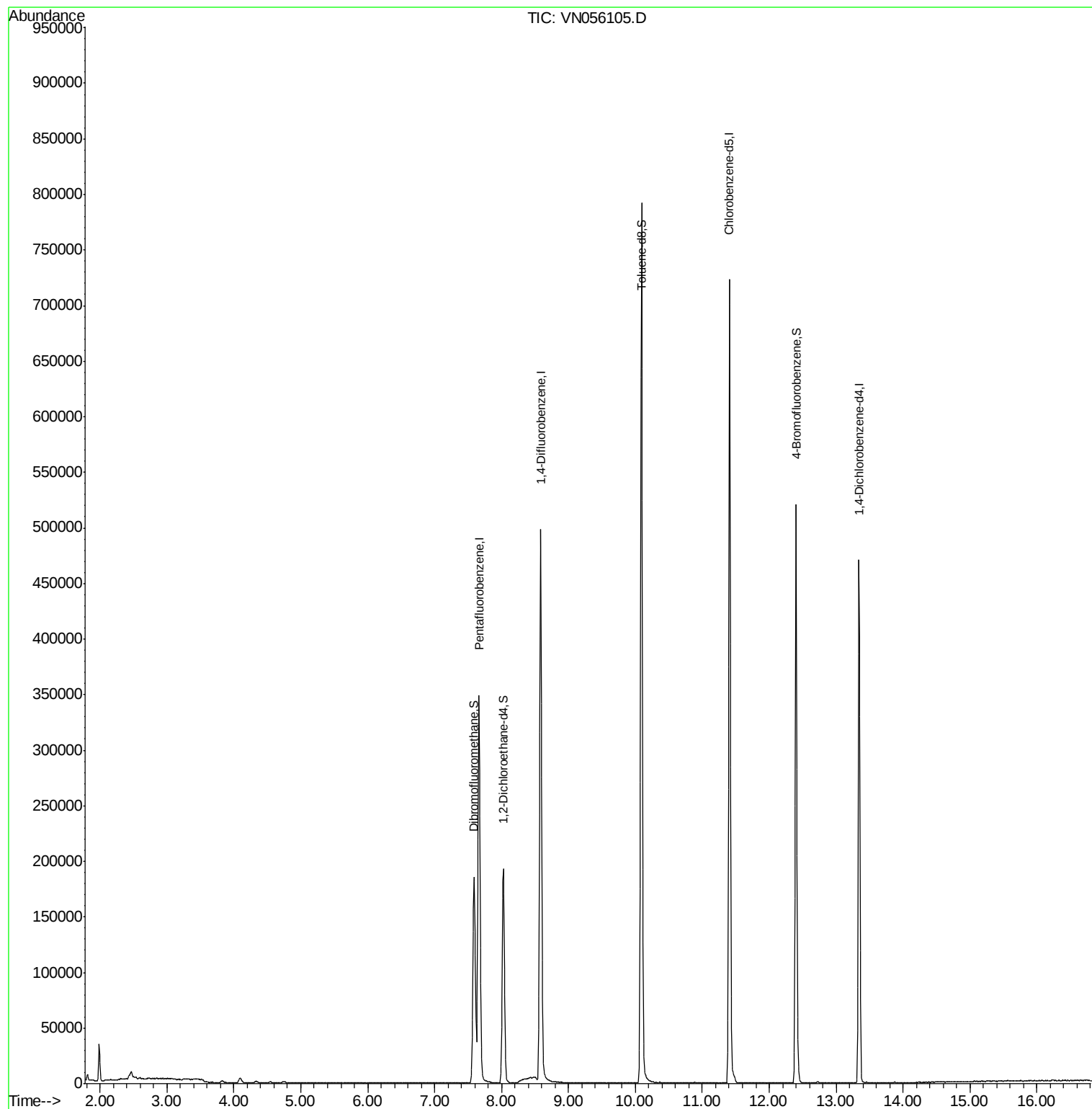
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

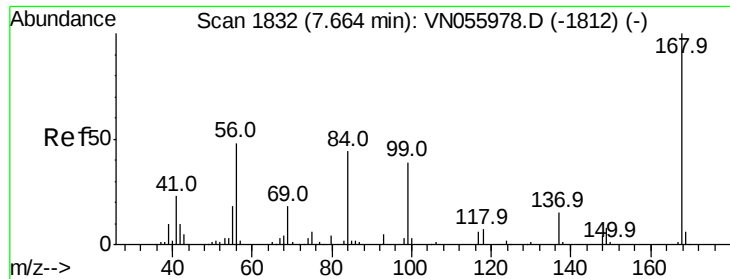
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\  
Data File : VN056105.D  
Acq On : 7 Jun 2019 18:04  
Operator : JC/SP  
Sample : K3251-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

Quant Time: Jun 08 06:33:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA\_N

ClientSampleId :

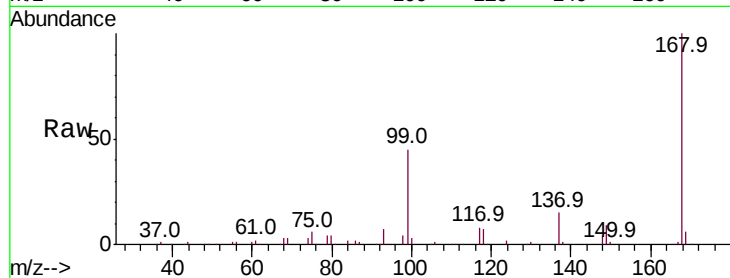
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 329702

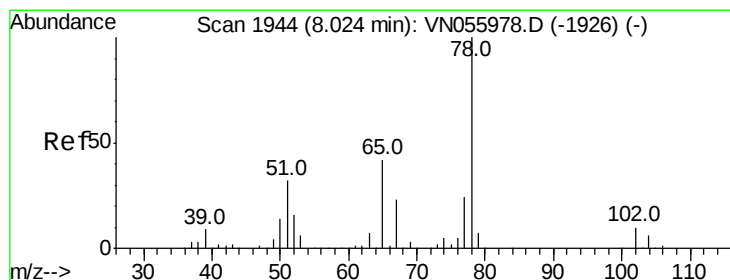
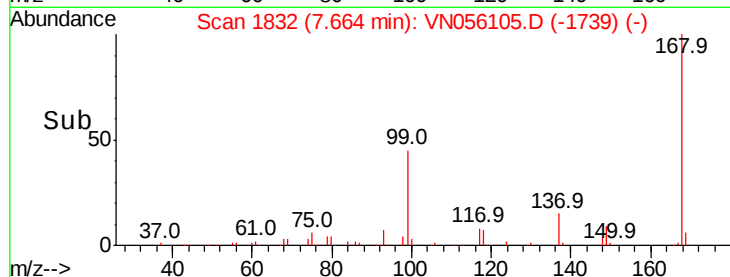
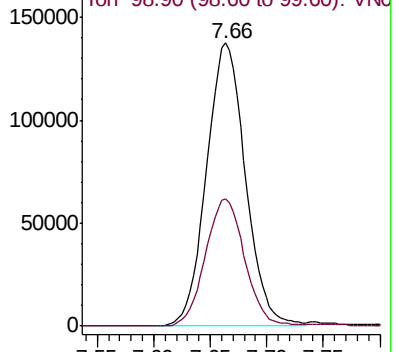
Ion Ratio Lower Upper

168 100

99 44.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.387 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056105.D

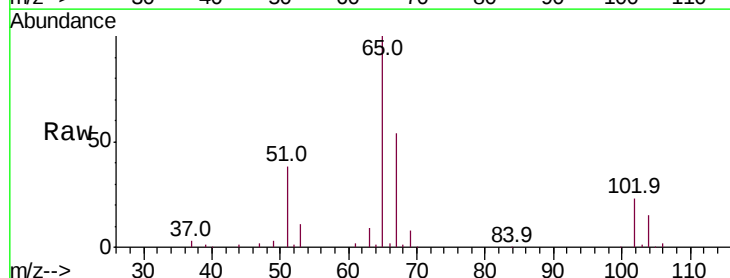
Acq: 7 Jun 2019 18:04

Tgt Ion: 65 Resp: 161675

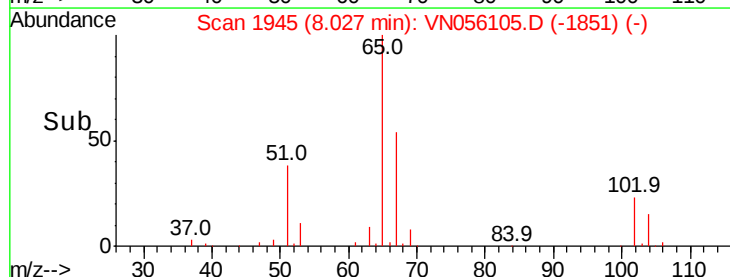
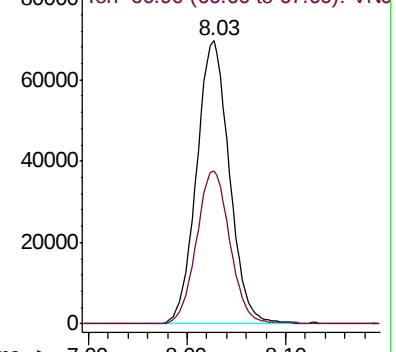
Ion Ratio Lower Upper

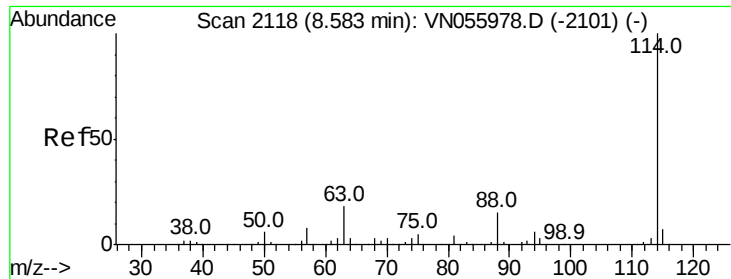
65 100

67 55.1 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

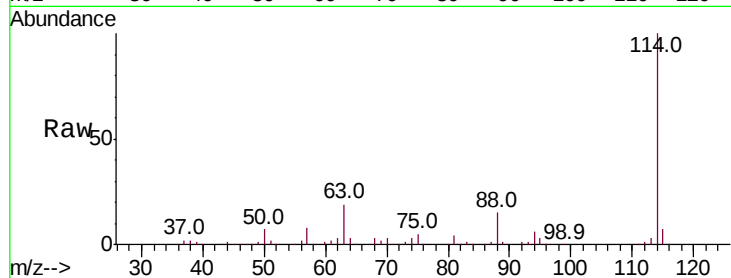




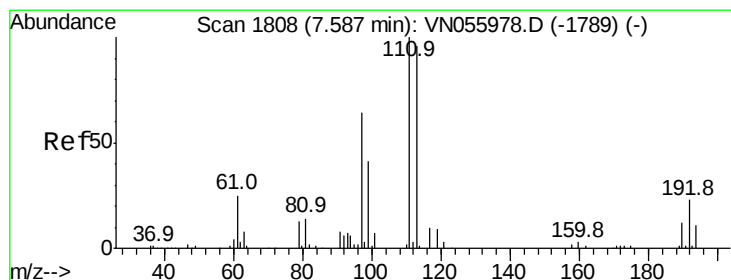
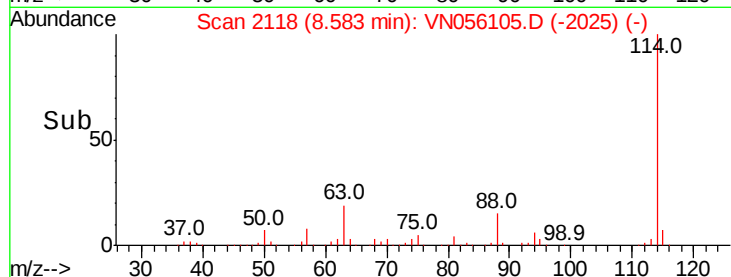
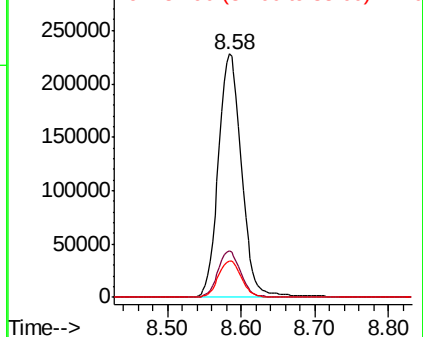
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN056105.D  
 Acq: 7 Jun 2019 18:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:114 Resp: 500400  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 39.2  
 88 15.1 0.0 31.0

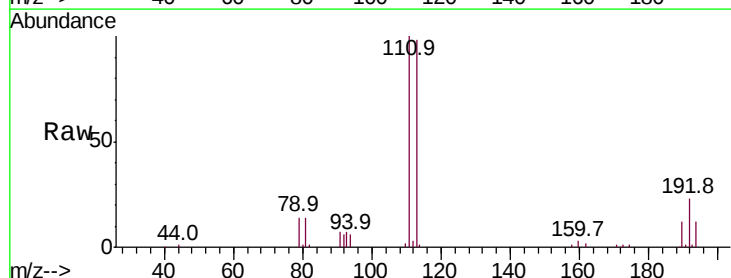


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

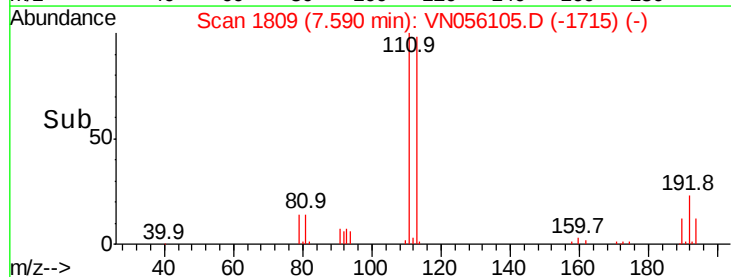
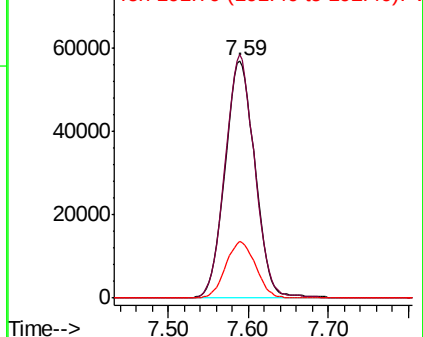


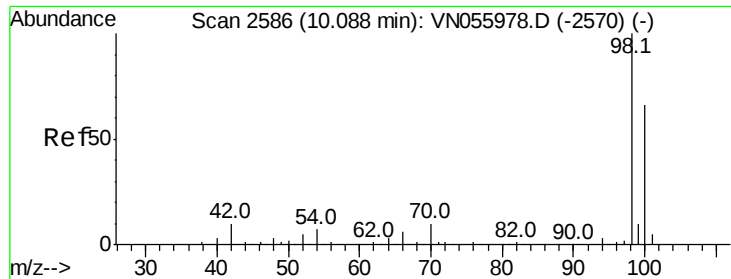
#35  
 Dibromofluoromethane  
 Concen: 47.441 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056105.D  
 Acq: 7 Jun 2019 18:04

Tgt Ion:113 Resp: 145651  
 Ion Ratio Lower Upper  
 113 100  
 111 100.5 81.9 122.9  
 192 23.6 19.5 29.3



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: 50.392 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

Instrument :

MSVOA\_N

ClientSampleId :

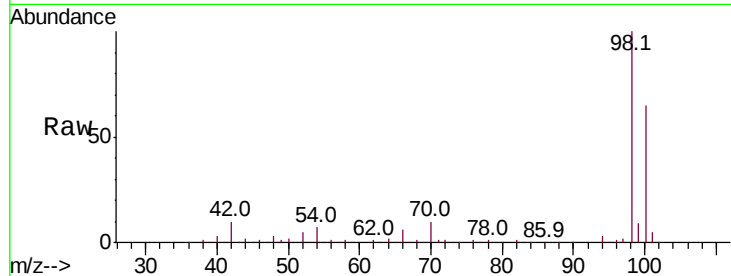
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 595326

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

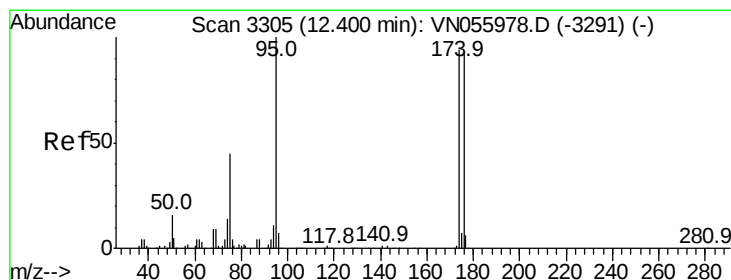
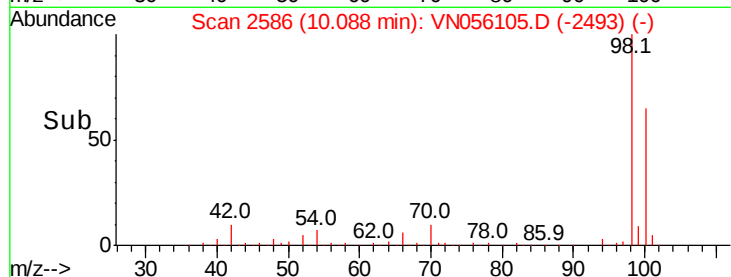
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.943 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056105.D

Acq: 7 Jun 2019 18:04

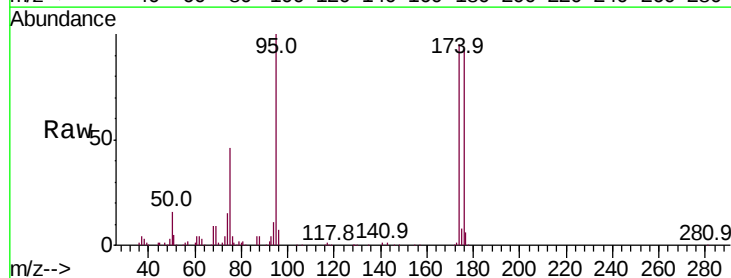
Tgt Ion: 95 Resp: 184579

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.0

176 93.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

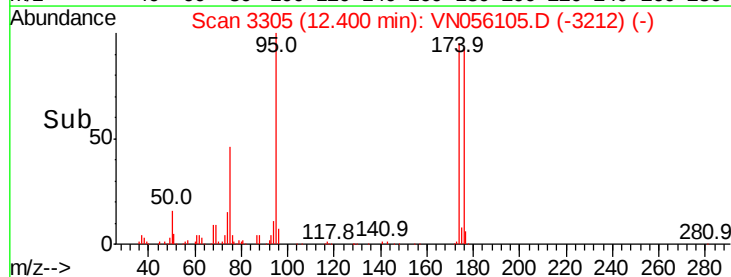
12.40

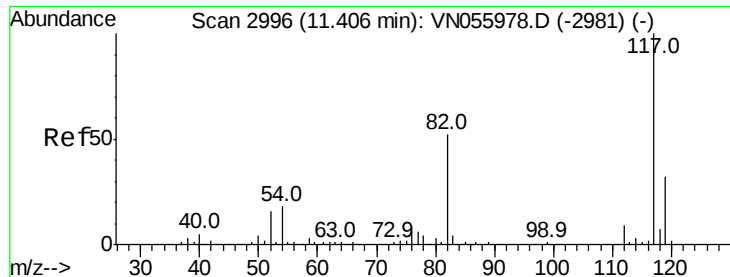
100000

50000

0

Time-->

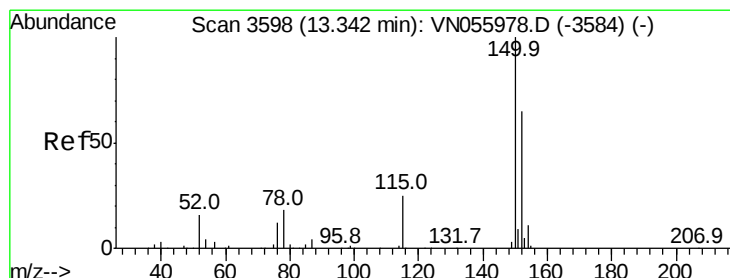
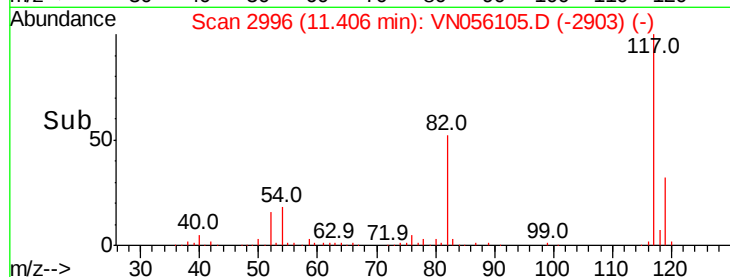
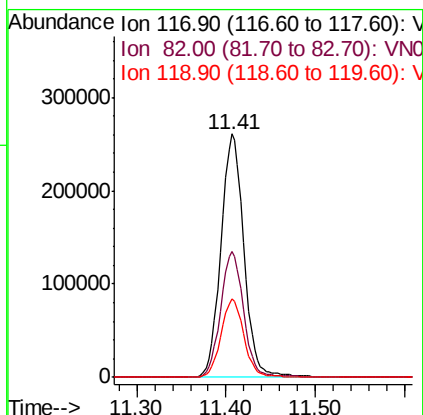
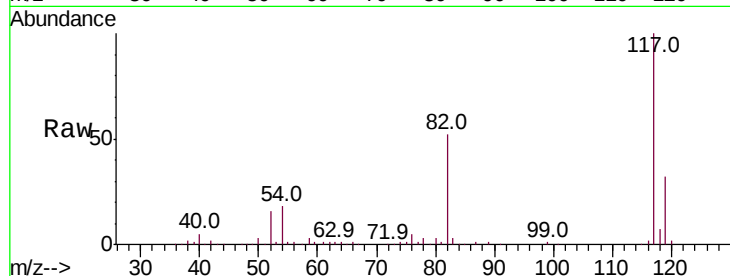




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056105.D  
Acq: 7 Jun 2019 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 465657  
Ion Ratio Lower Upper  
117 100  
82 51.7 41.8 62.8  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056105.D  
Acq: 7 Jun 2019 18:04

Tgt Ion:152 Resp: 142596  
Ion Ratio Lower Upper  
152 100  
115 53.4 27.0 81.0  
150 156.1 0.0 343.2

