

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\  
 Data File : VN058769.D  
 Acq On : 14 Oct 2019 23:11  
 Operator : JC/SP  
 Sample : K5331-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-10

Quant Time: Oct 15 04:34:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

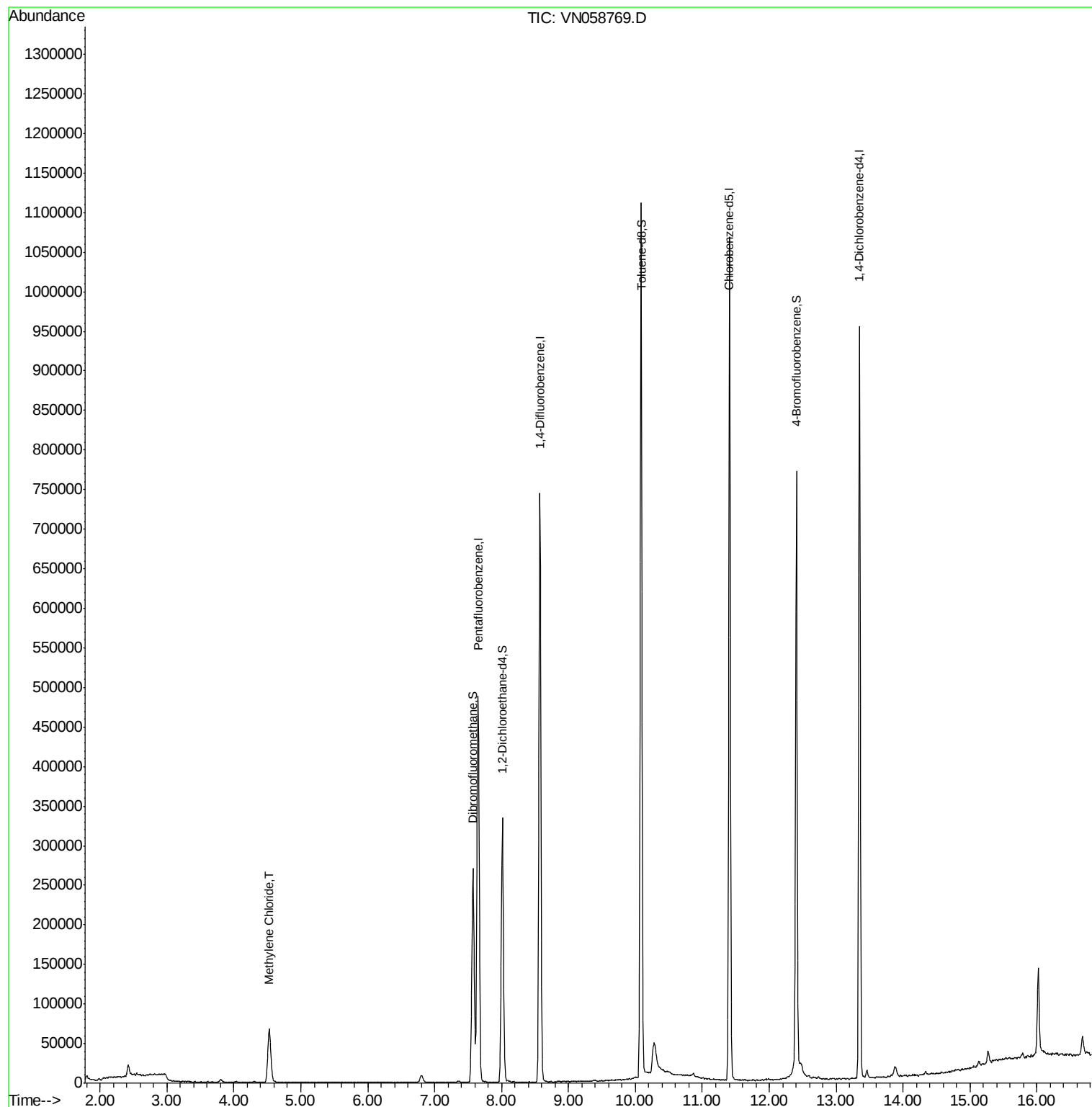
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 383861   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 635502   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 578198   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 239652   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 293731   | 54.66  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.32% |           |
| 35) Dibromofluoromethane    | 7.57  | 113  | 208419   | 53.10  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.20% |           |
| 50) Toluene-d8              | 10.08 | 98   | 752613   | 47.95  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.90%  |           |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 251160   | 42.27  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.54%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.53  | 84   | 49616    | 10.671 | ug/l    | Qvalue 96 |

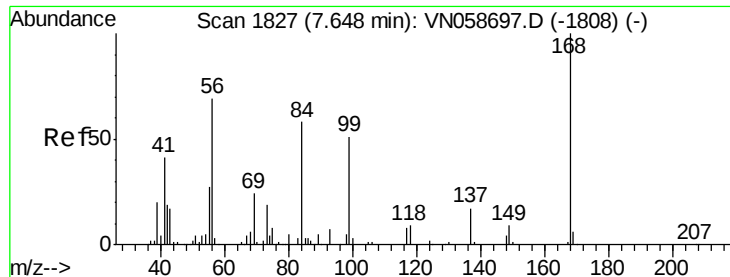
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101419\  
Data File : VN058769.D  
Acq On : 14 Oct 2019 23:11  
Operator : JC/SP  
Sample : K5331-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-10

Quant Time: Oct 15 04:34:30 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA\_N

ClientSampleId :

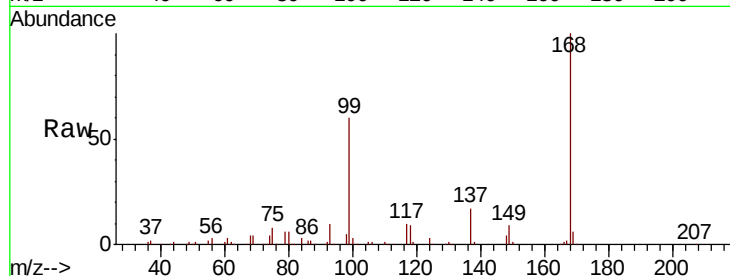
TP-10

Tot Ion:168 Resp: 383861

Ion Ratio Lower Upper

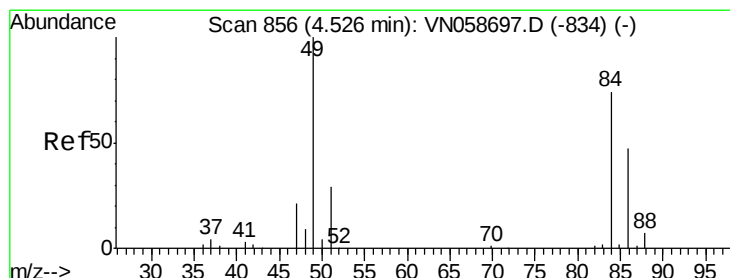
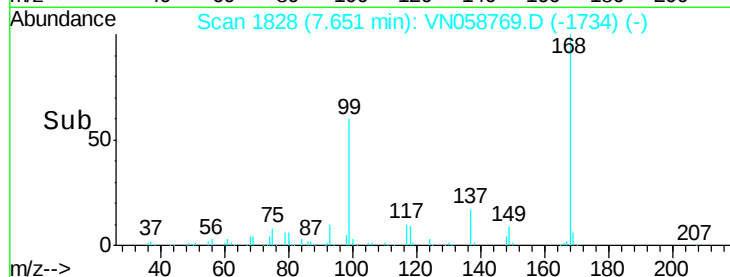
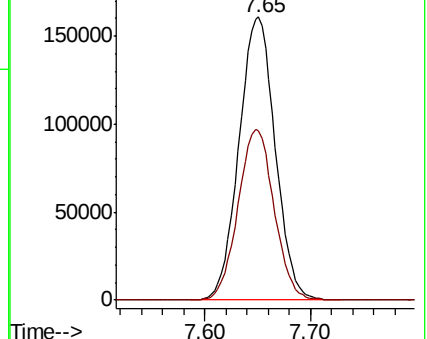
168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#20

Methylene Chloride

Concen: 10.671 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Tgt Ion: 84 Resp: 49616

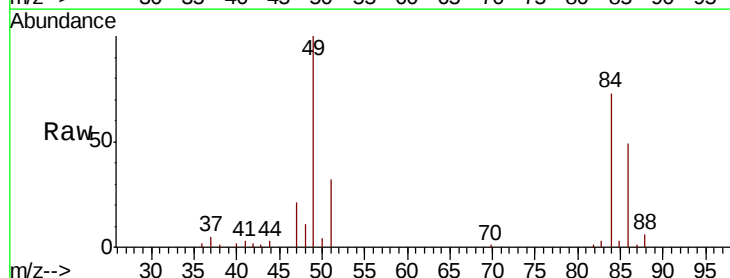
Ion Ratio Lower Upper

84 100

49 137.8 107.6 161.4

51 43.7 31.4 47.0

86 67.1 50.3 75.5

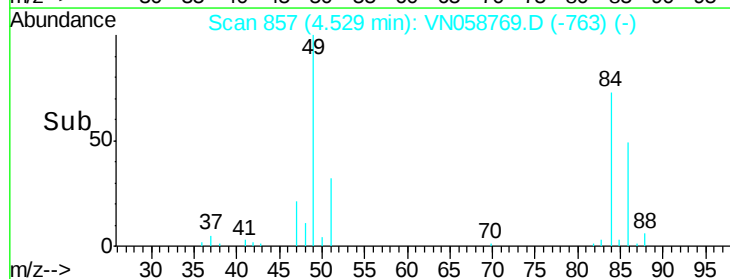
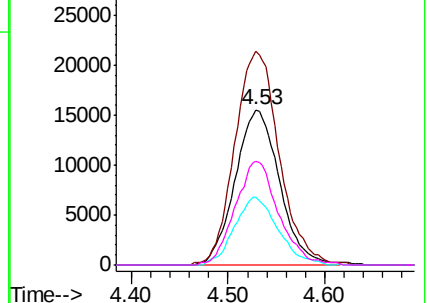


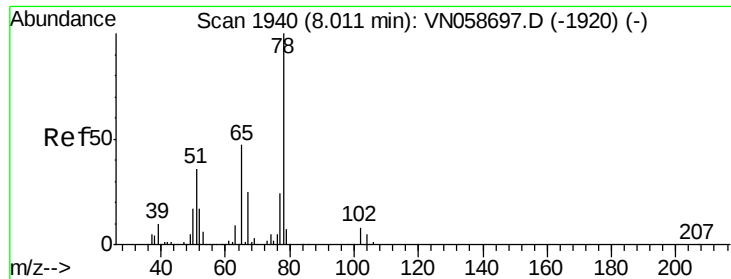
Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

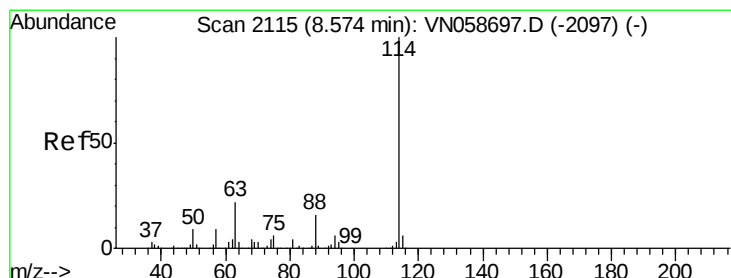
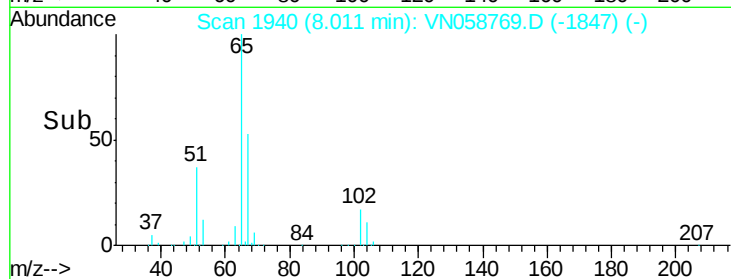
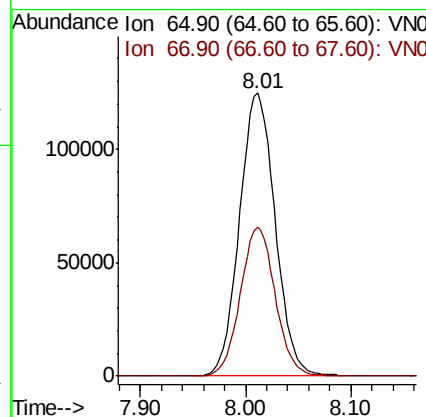
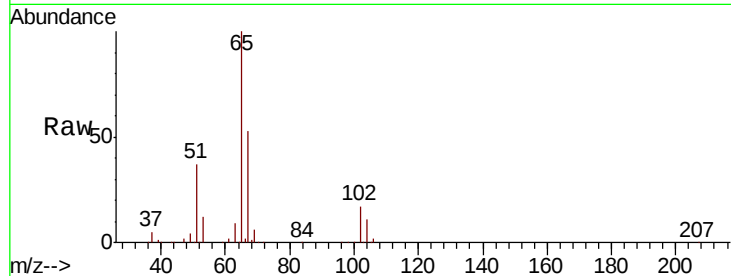




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.658 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058769.D  
 Acq: 14 Oct 2019 23:11

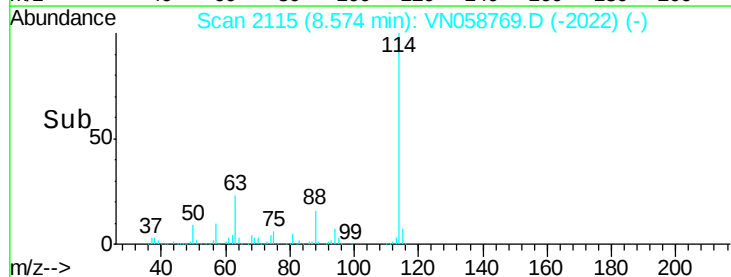
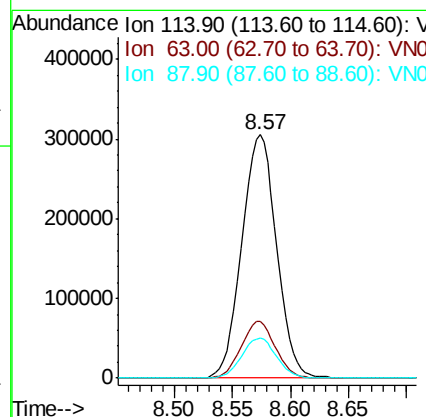
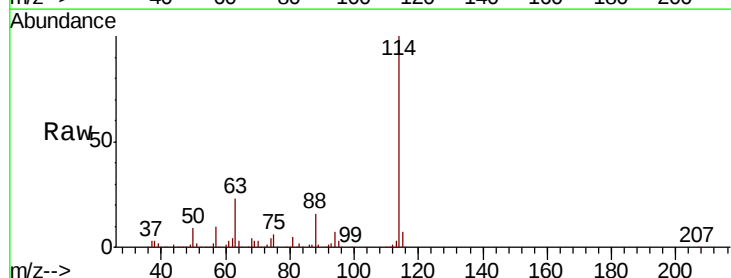
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-10

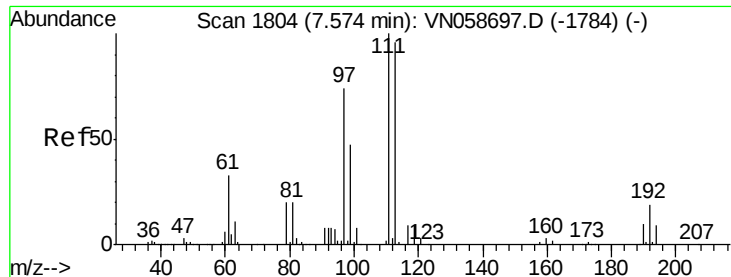
Tot Ion: 65 Resp: 293731  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058769.D  
 Acq: 14 Oct 2019 23:11

Tgt Ion: 114 Resp: 635502  
 Ion Ratio Lower Upper  
 114 100  
 63 23.2 0.0 43.8  
 88 16.3 0.0 32.0

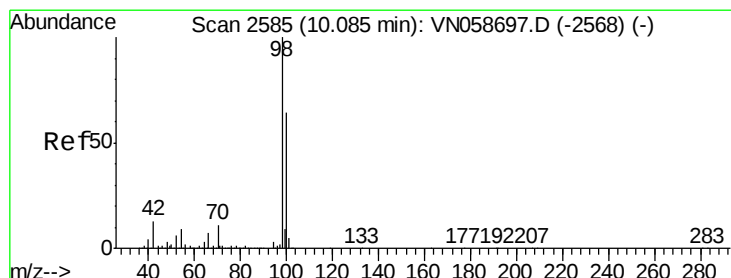
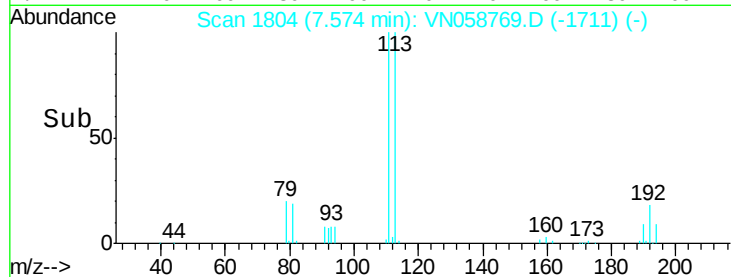
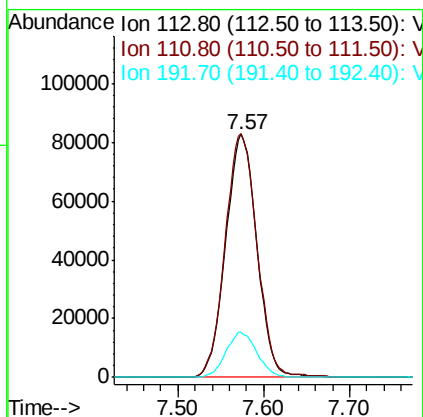
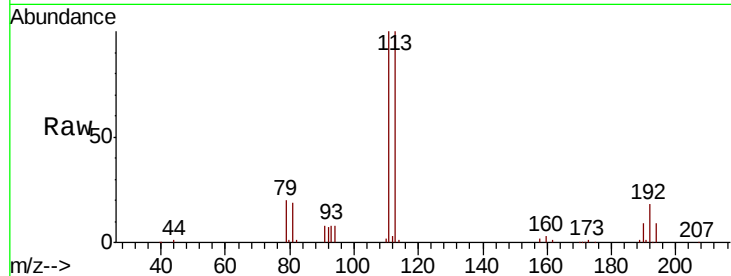




#35  
Dibromofluoromethane  
Concen: 53.095 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN058769.D  
Acq: 14 Oct 2019 23:11

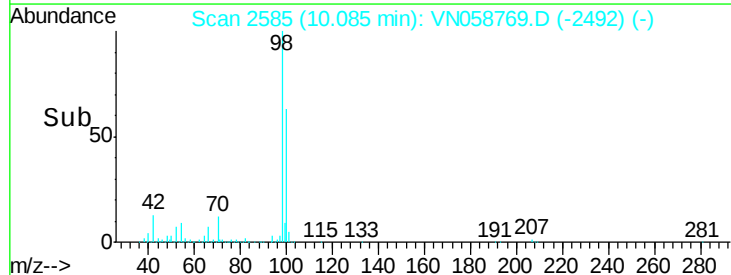
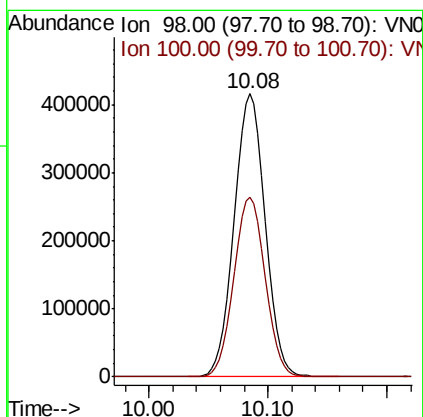
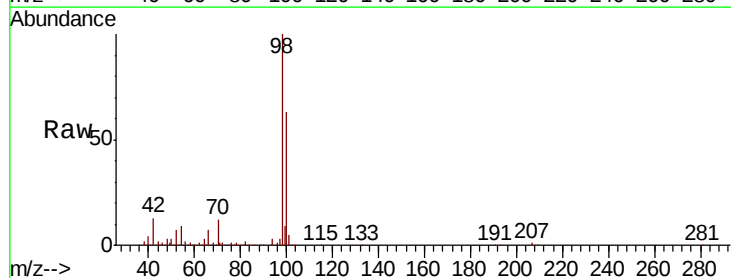
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-10

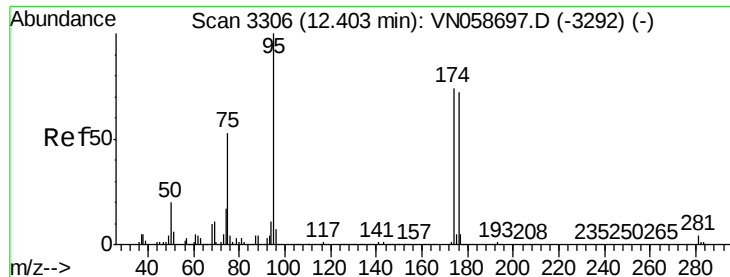
Tot Ion:113 Resp: 208419  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.3 123.5  
192 18.4 15.0 22.6



#50  
Toluene-d8  
Concen: 47.946 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. -0.00 min  
Lab File: VN058769.D  
Acq: 14 Oct 2019 23:11

Tgt Ion: 98 Resp: 752613  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.1 76.7

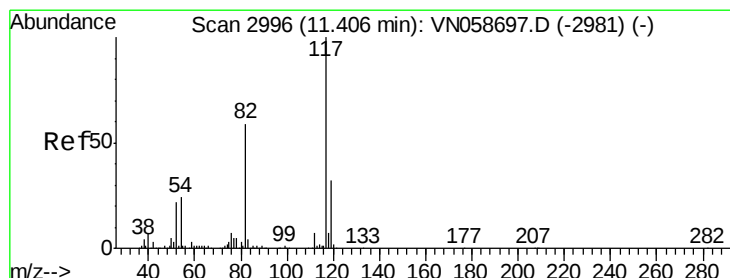
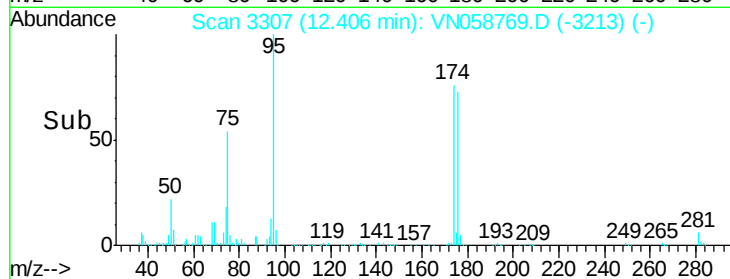
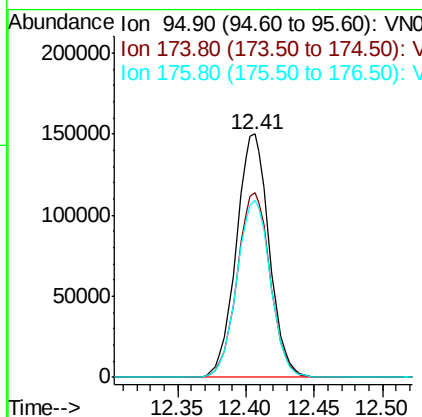
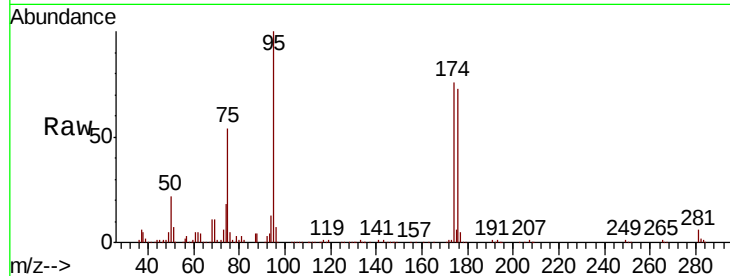




#62  
4-Bromofluorobenzene  
Concen: 42.270 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058769.D  
Acq: 14 Oct 2019 23:11

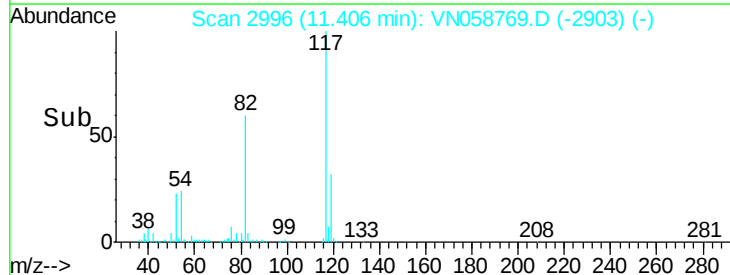
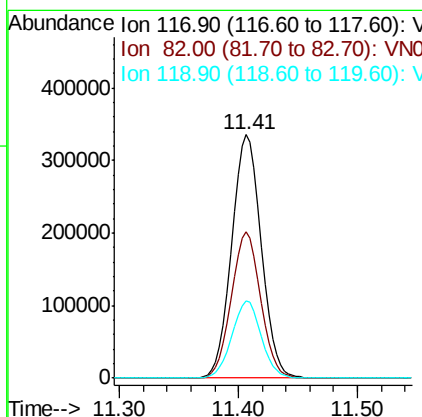
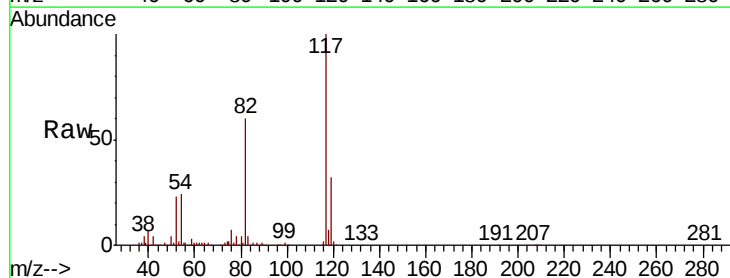
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-10

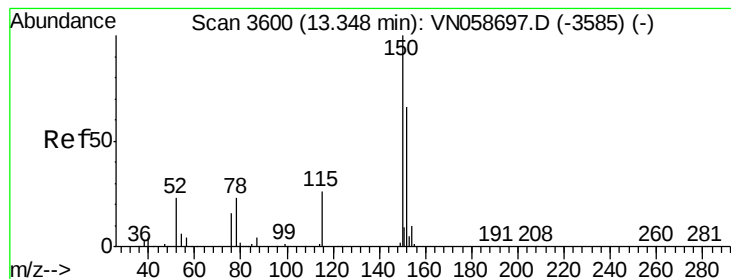
| Tot Ion   | 95    | Resp  | 251160 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 76.4  | 0.0   | 150.4  |
| 176       | 74.3  | 0.0   | 146.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN058769.D  
Acq: 14 Oct 2019 23:11

| Tgt Ion   | 117   | Resp  | 578198 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.9  | 47.0  | 70.4   |
| 119       | 31.7  | 25.4  | 38.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058769.D

Acq: 14 Oct 2019 23:11

Instrument :

MSVOA\_N

ClientSampleId :

TP-10

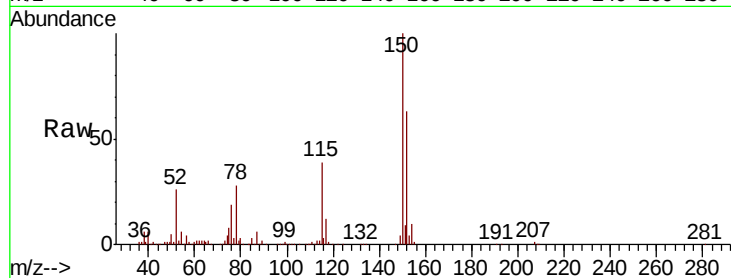
Tot Ion:152 Resp: 239652

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

150 157.2 0.0 345.4



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

