

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091119\  
 Data File : VN057877.D  
 Acq On : 10 Sep 2019 20:42  
 Operator : JC/SP  
 Sample : K4623-33  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-D1-(4)

Quant Time: Sep 11 04:41:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

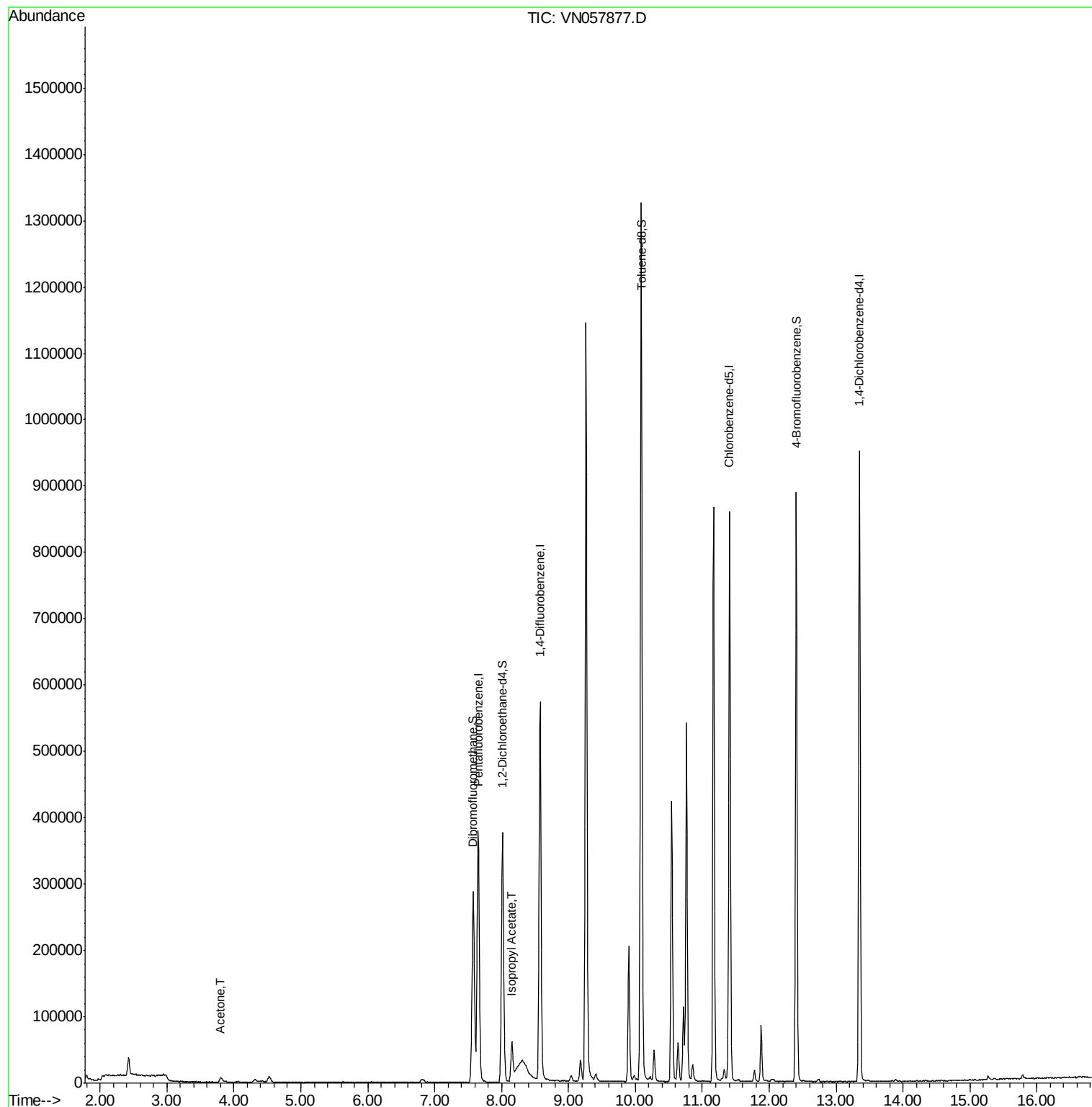
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 292271   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 487964   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 462076   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 232366   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 318961   | 53.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.76% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 217928   | 48.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.78%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 909815   | 52.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 290358   | 43.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.14%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 12532    | 6.458 | ug/l    | 91       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 73850    | 7.511 | ug/l #  | 89       |

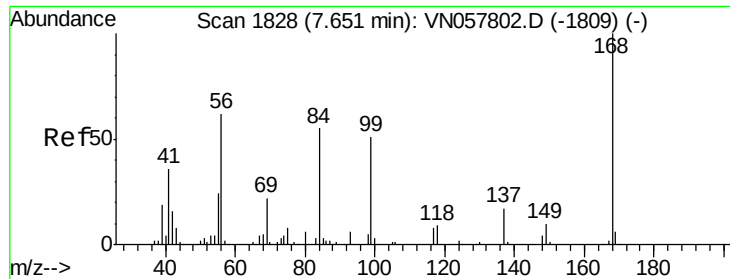
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN091119\  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PAR-11-D1-(4)

Quant Time: Sep 11 04:41:21 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 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: VN057877.D

Acq: 10 Sep 2019 20:42

Instrument :

MSVOA\_N

ClientSampleId :

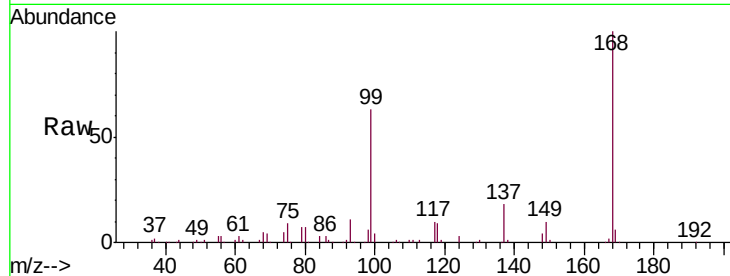
PAR-11-D1-(4)

Tgt Ion:168 Resp: 292271

Ion Ratio Lower Upper

168 100

99 63.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

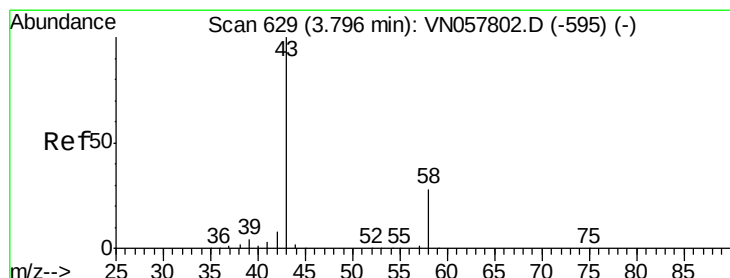
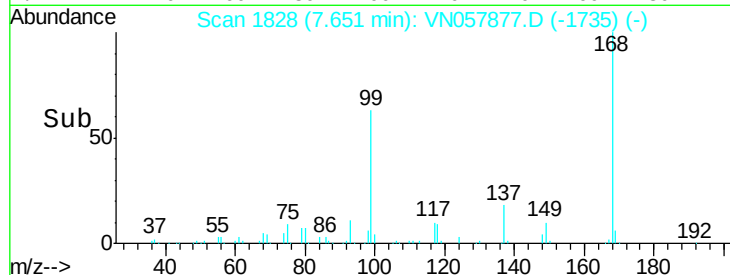
7.65

100000

50000

0

Time-->



#16

Acetone

Concen: 6.458 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057877.D

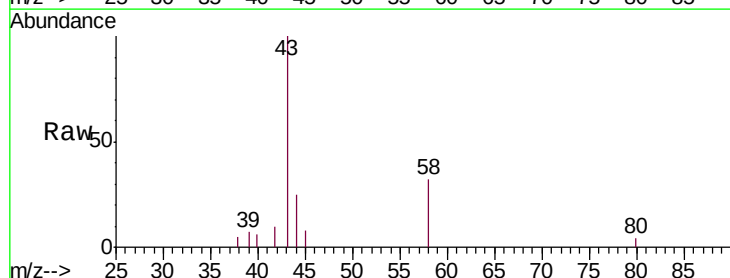
Acq: 10 Sep 2019 20:42

Tgt Ion: 43 Resp: 12532

Ion Ratio Lower Upper

43 100

58 32.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

5000

4000

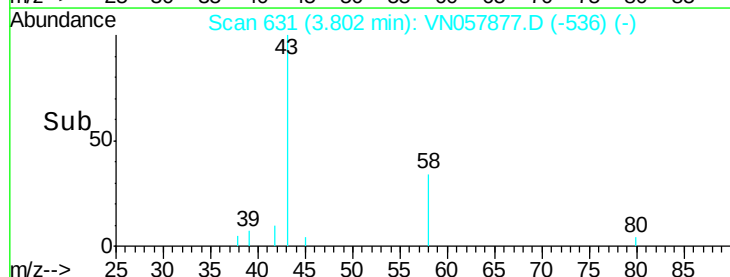
3000

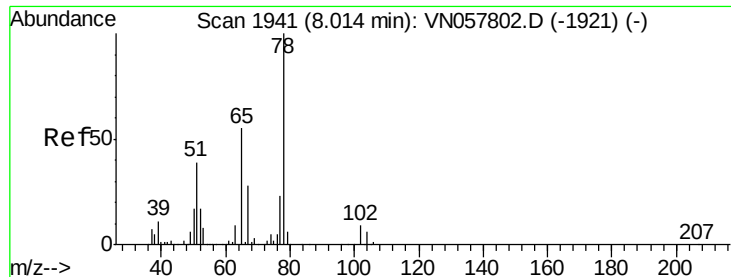
2000

1000

0

Time-->

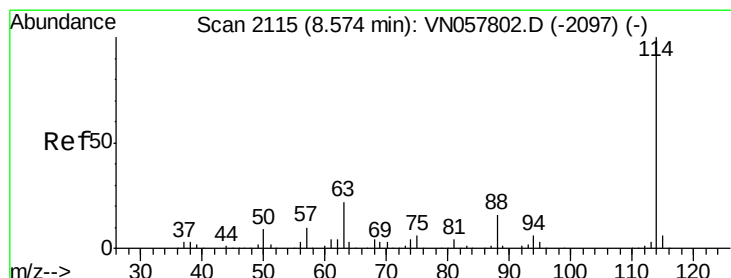
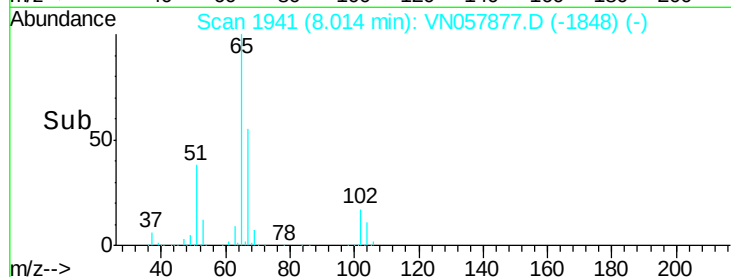
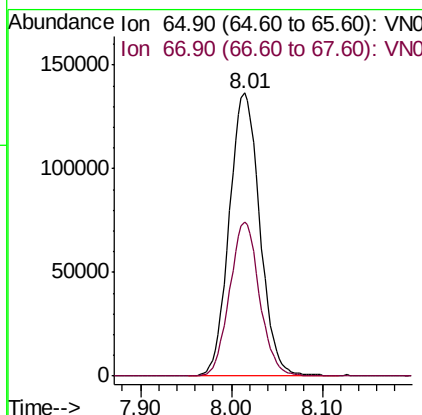
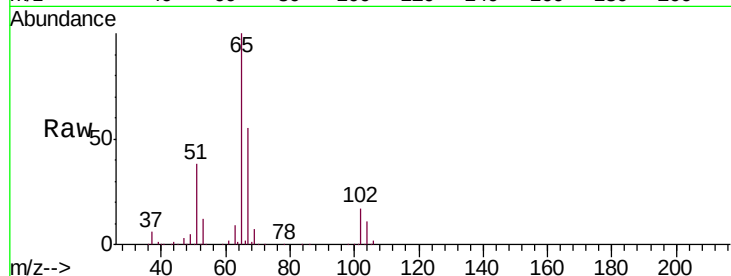




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.881 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057877.D  
 Acq: 10 Sep 2019 20:42

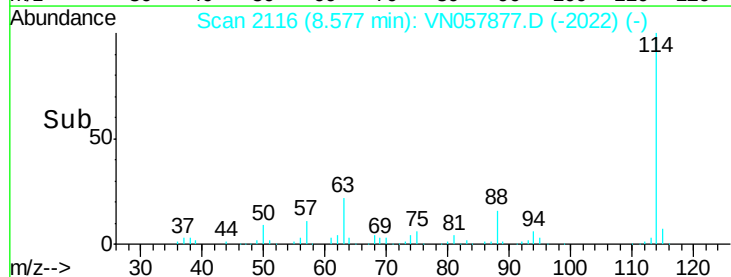
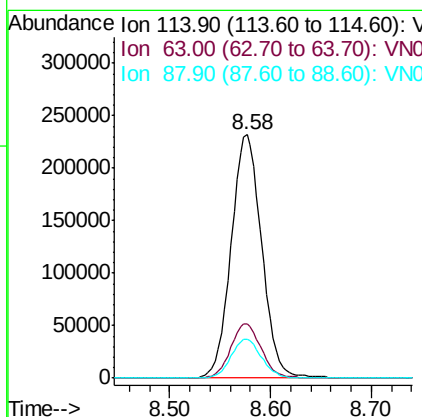
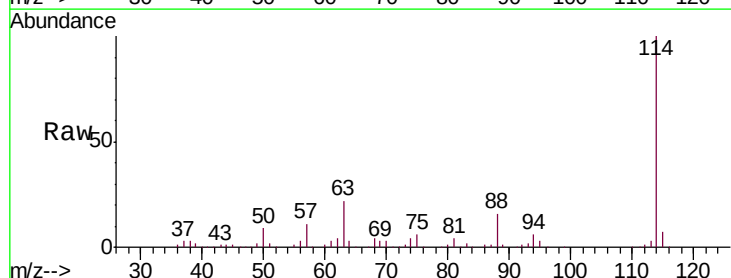
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-D1-(4)

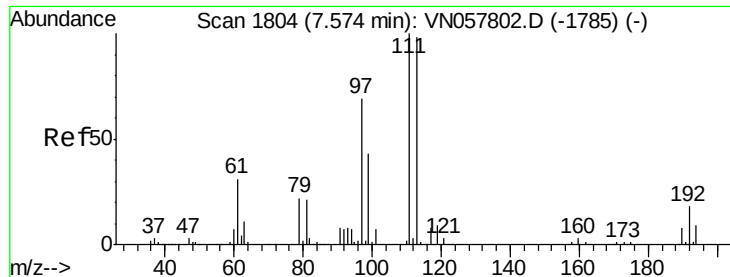
Tgt Ion: 65 Resp: 318961  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057877.D  
 Acq: 10 Sep 2019 20:42

Tgt Ion: 114 Resp: 487964  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 44.0  
 88 16.2 0.0 31.4

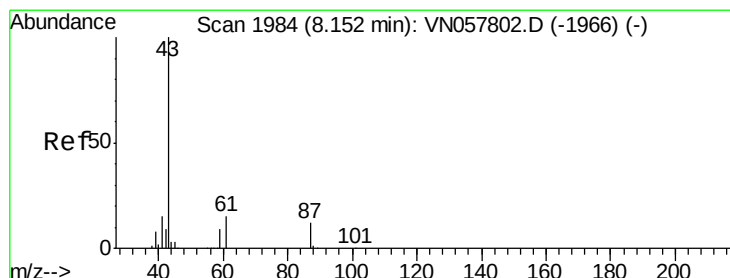
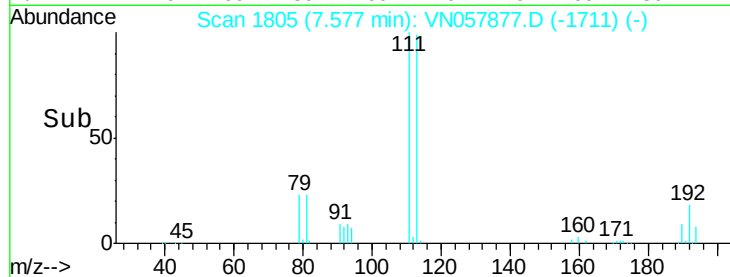
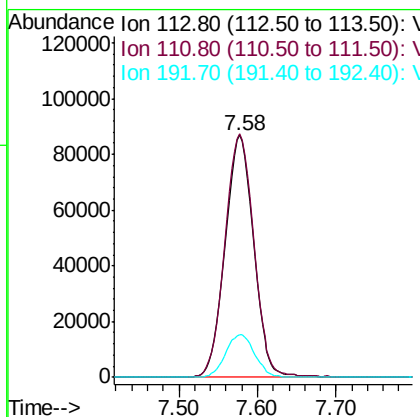
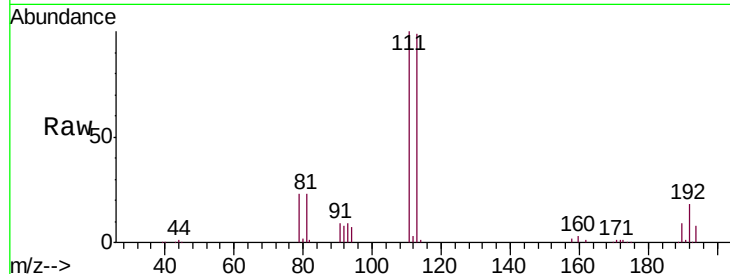




#35  
 Dibromofluoromethane  
 Concen: 48.389 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN057877.D  
 Acq: 10 Sep 2019 20:42

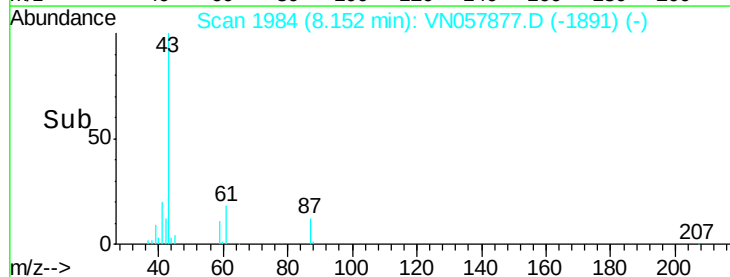
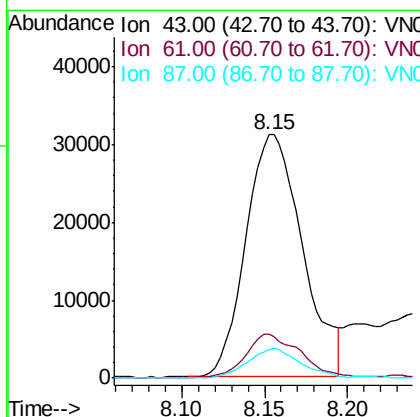
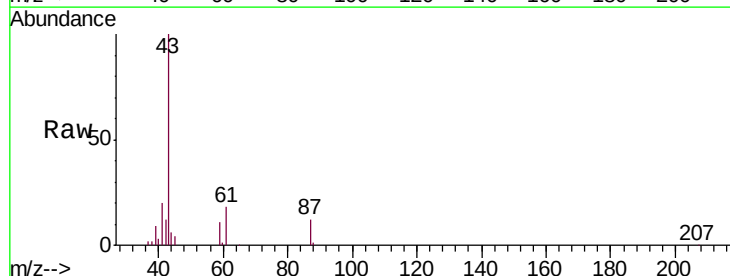
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-D1-(4)

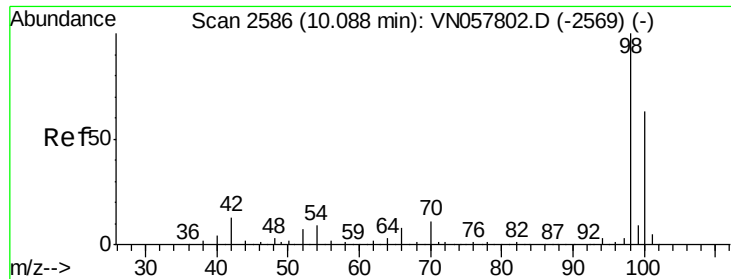
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 81.3  | 121.9 |
| 192     | 18.0  | 14.6  | 22.0  |



#43  
 Isopropyl Acetate  
 Concen: 7.511 ug/l  
 RT: 8.15 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: VN057877.D  
 Acq: 10 Sep 2019 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.5  | 20.1  | 30.1# |
| 87      | 11.3  | 9.5   | 14.3  |





#50

Toluene-d8

Concen: 52.032 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057877.D

Acq: 10 Sep 2019 20:42

Instrument :

MSVOA\_N

ClientSampled :

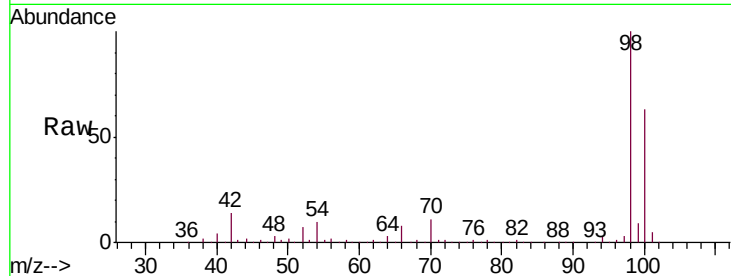
PAR-11-D1-(4)

Tgt Ion: 98 Resp: 909815

Ion Ratio Lower Upper

98 100

100 62.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

500000

400000

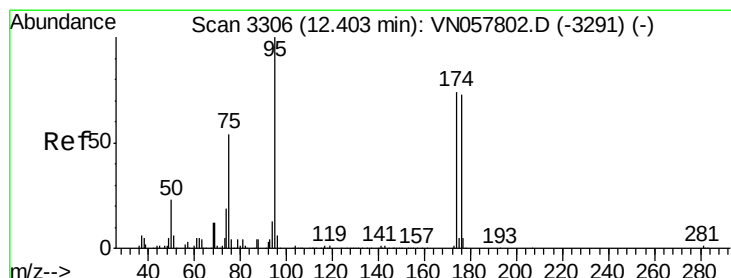
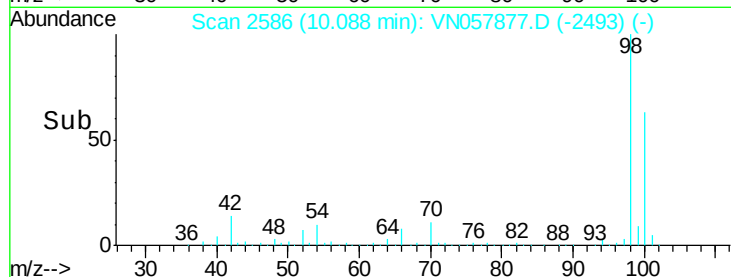
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.573 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057877.D

Acq: 10 Sep 2019 20:42

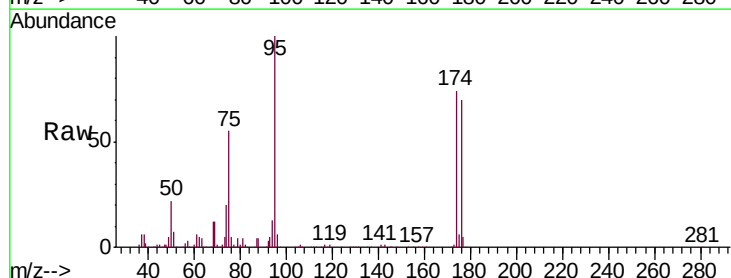
Tgt Ion: 95 Resp: 290358

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 73.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

200000

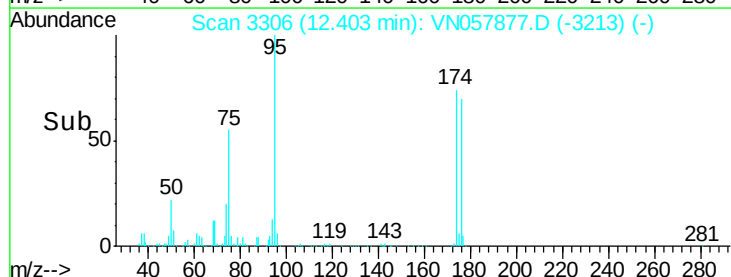
150000

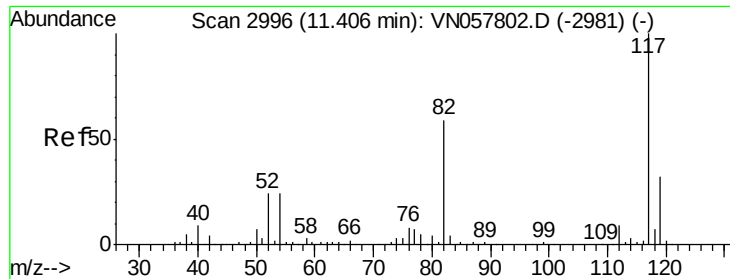
100000

50000

0

Time-->

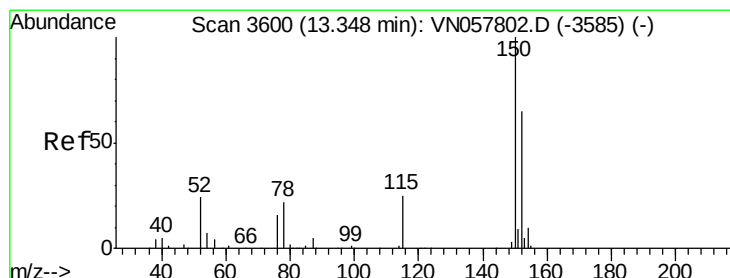
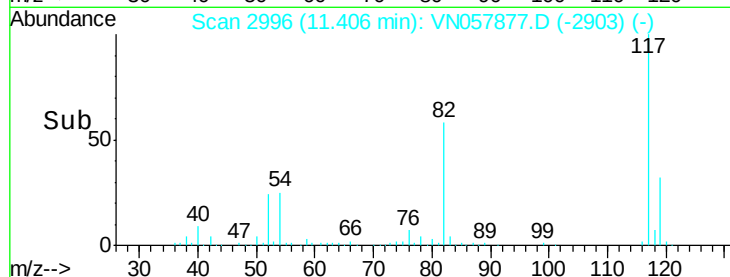
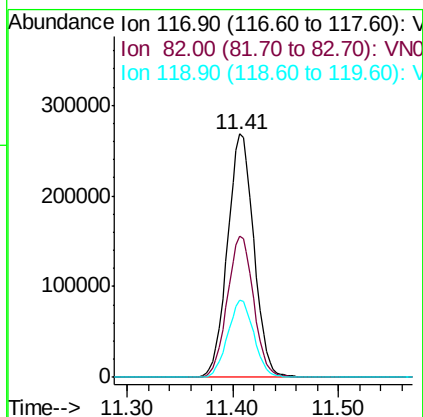
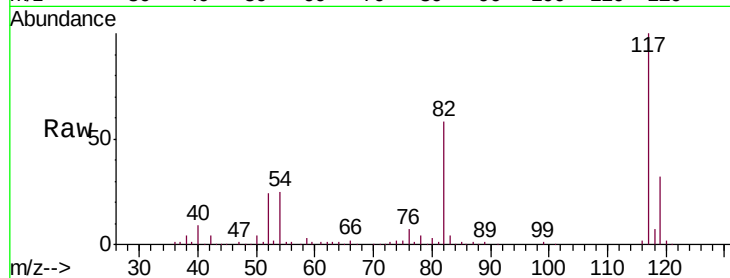




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057877.D  
Acq: 10 Sep 2019 20:42

Instrument :  
MSVOA\_N  
ClientSampled :  
PAR-11-D1-(4)

Tgt Ion:117 Resp: 462076  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.2 70.8  
119 31.5 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN057877.D  
Acq: 10 Sep 2019 20:42

Tgt Ion:152 Resp: 232366  
Ion Ratio Lower Upper  
152 100  
115 61.6 30.3 91.0  
150 159.7 0.0 352.4

