

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091119\  
 Data File : VN057872.D  
 Acq On : 10 Sep 2019 18:52  
 Operator : JC/SP  
 Sample : K4623-27  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-C4-(4)

Quant Time: Sep 11 04:33:18 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

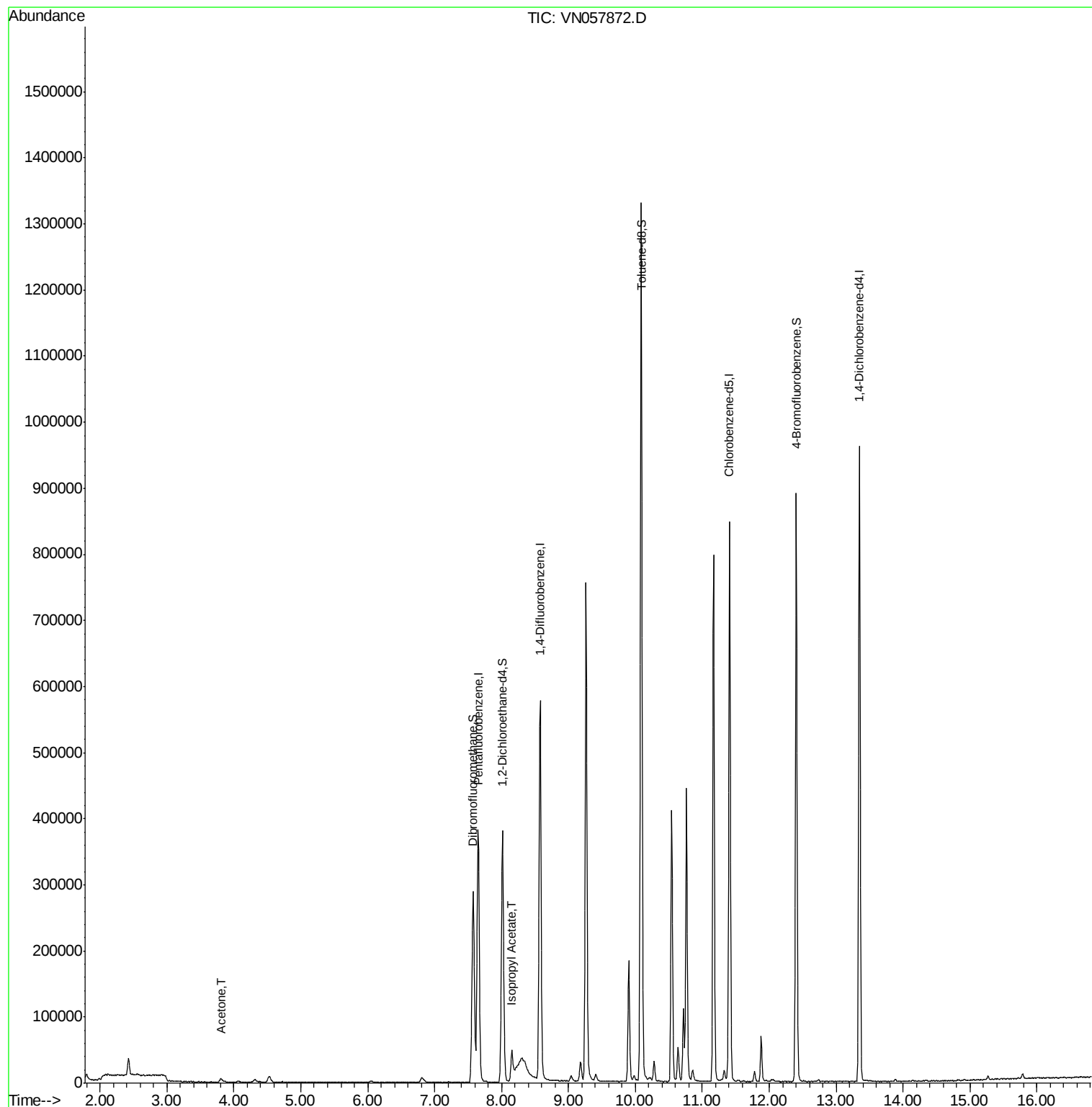
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 295172   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 494921   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 458027   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 234205   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 328076   | 54.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.76% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 223375   | 48.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.80%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 919506   | 51.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.70% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 295799   | 43.77 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.54%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 10971    | 5.598 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 61894    | 6.206 | ug/l #  | 88       |

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

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PAR-11-C4-(4)

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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: VN057872.D

Acq: 10 Sep 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

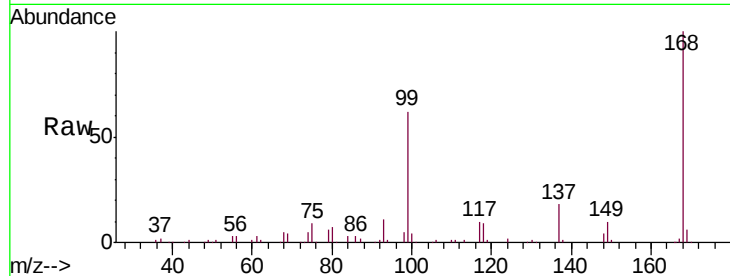
PAR-11-C4-(4)

Tgt Ion:168 Resp: 295172

Ion Ratio Lower Upper

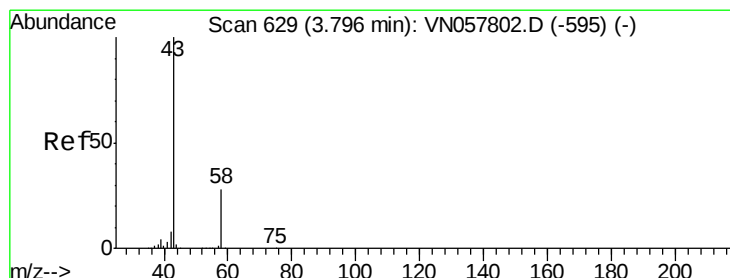
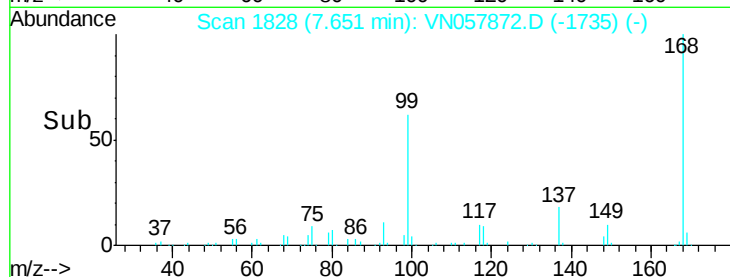
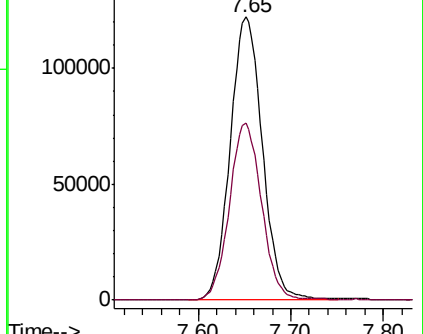
168 100

99 62.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.598 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057872.D

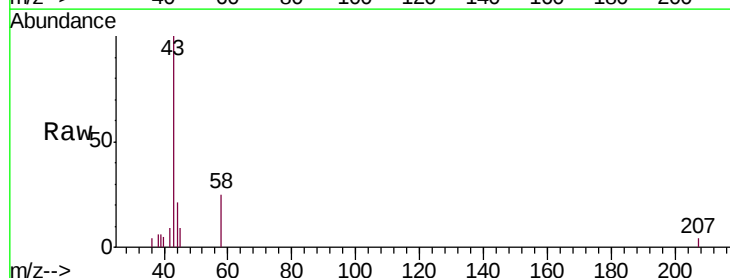
Acq: 10 Sep 2019 18:52

Tgt Ion: 43 Resp: 10971

Ion Ratio Lower Upper

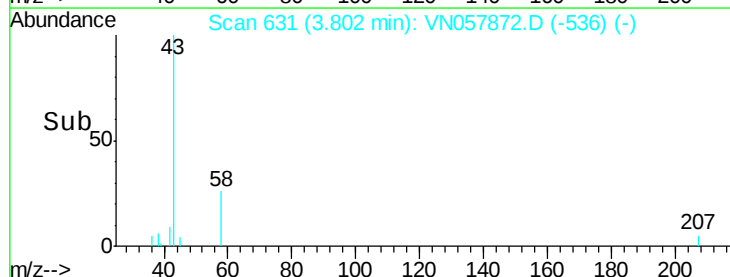
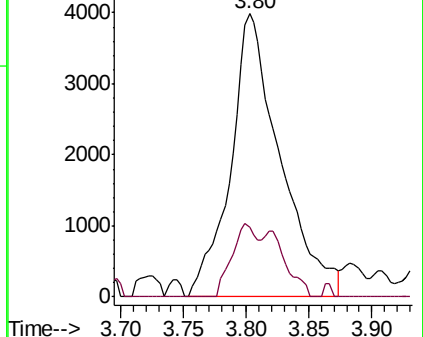
43 100

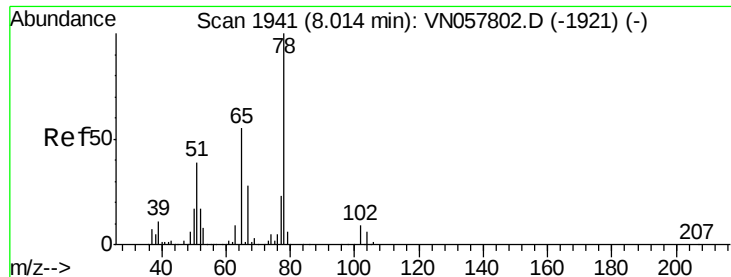
58 24.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

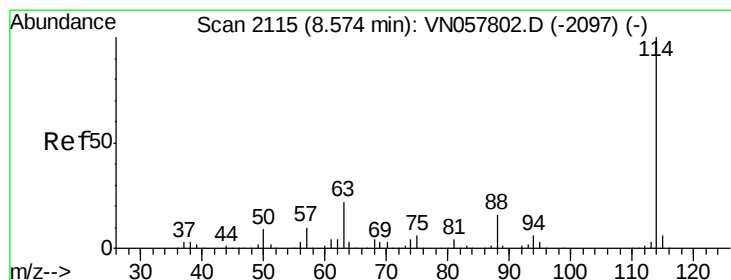
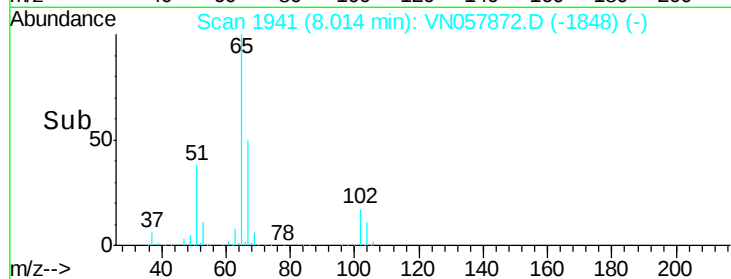
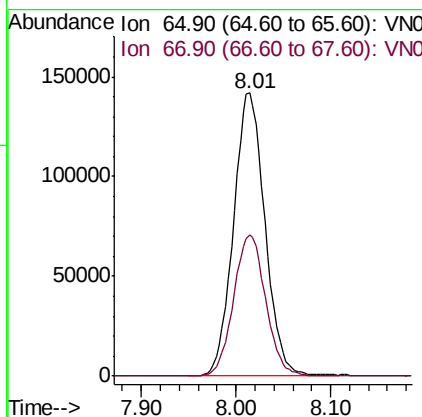
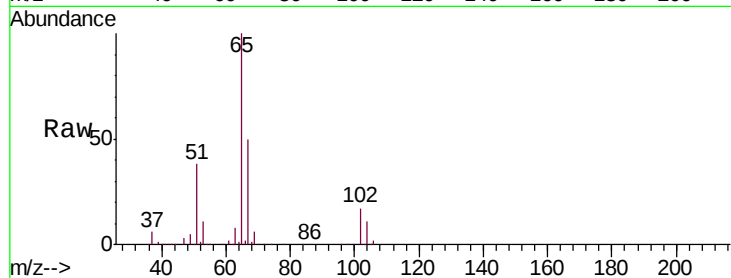




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.876 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057872.D  
 Acq: 10 Sep 2019 18:52

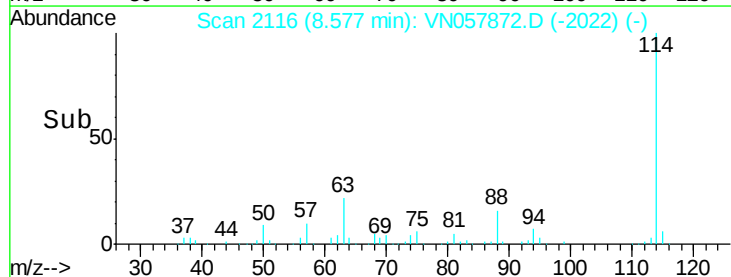
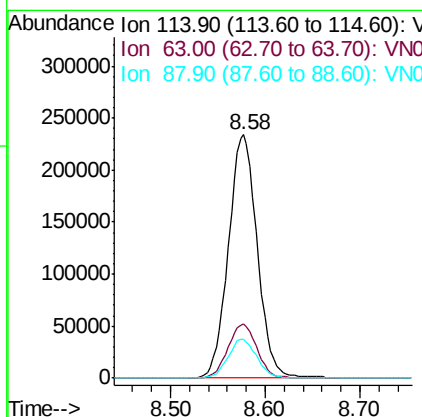
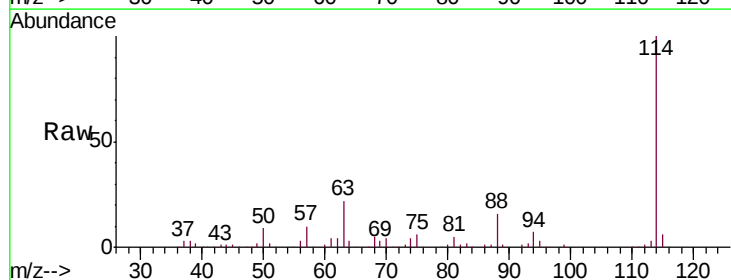
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-C4-(4)

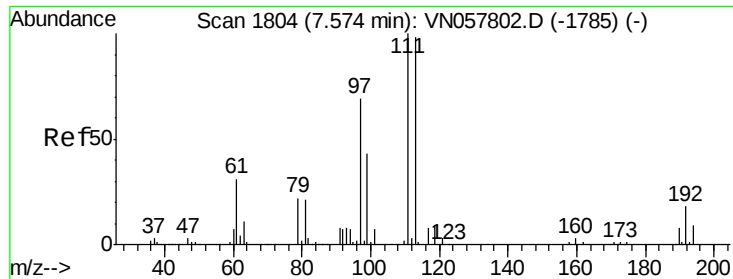
Tgt Ion: 65 Resp: 328076  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057872.D  
 Acq: 10 Sep 2019 18:52

Tgt Ion: 114 Resp: 494921  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 44.0  
 88 16.1 0.0 31.4

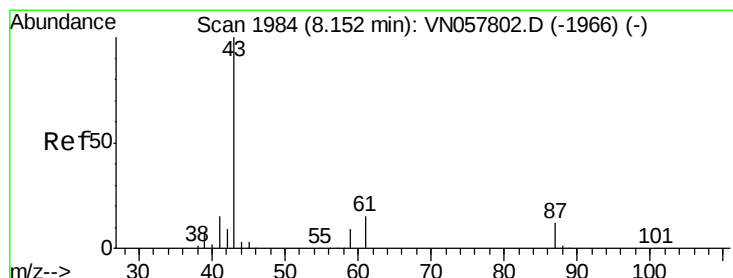
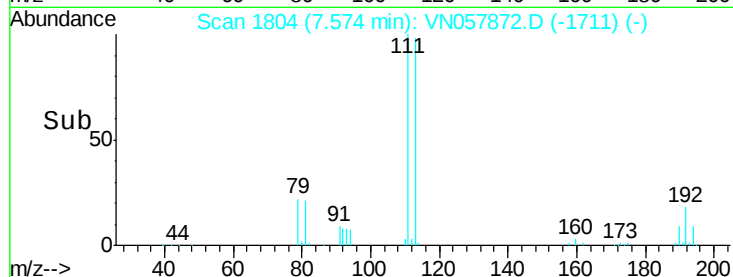
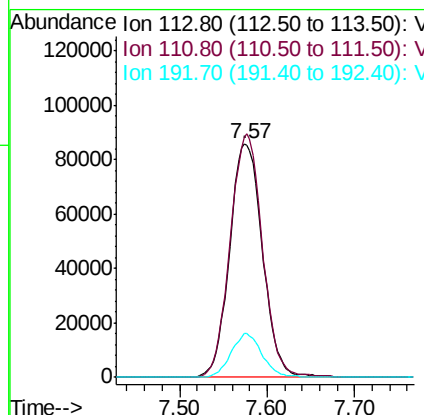
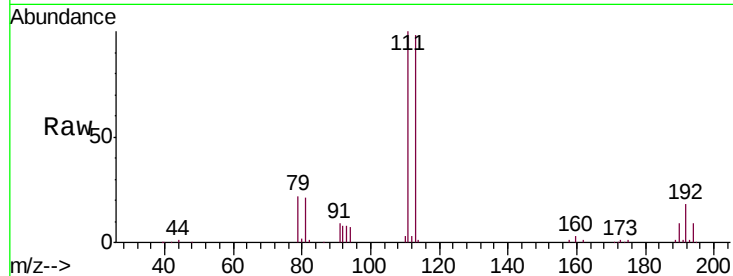




#35  
 Dibromofluoromethane  
 Concen: 48.901 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN057872.D  
 Acq: 10 Sep 2019 18:52

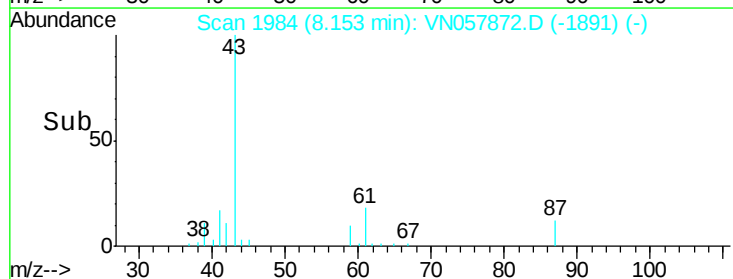
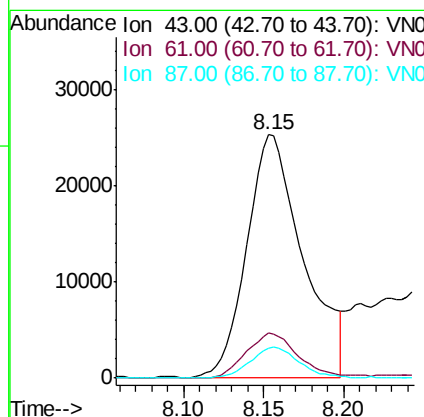
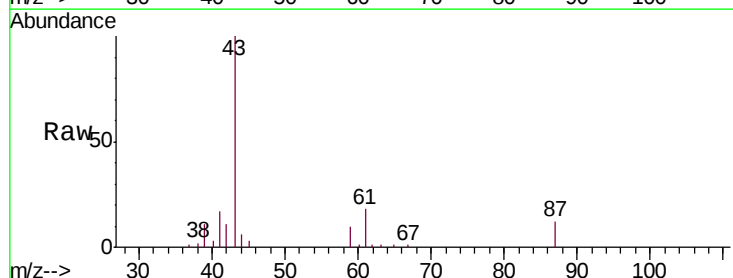
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-C4-(4)

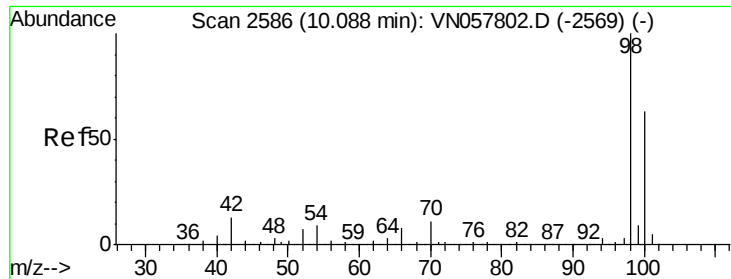
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.3  | 121.9 |
| 192     | 17.7  | 14.6  | 22.0  |



#43  
 Isopropyl Acetate  
 Concen: 6.206 ug/l  
 RT: 8.15 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: VN057872.D  
 Acq: 10 Sep 2019 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.7  | 20.1  | 30.1# |
| 87      | 10.9  | 9.5   | 14.3  |

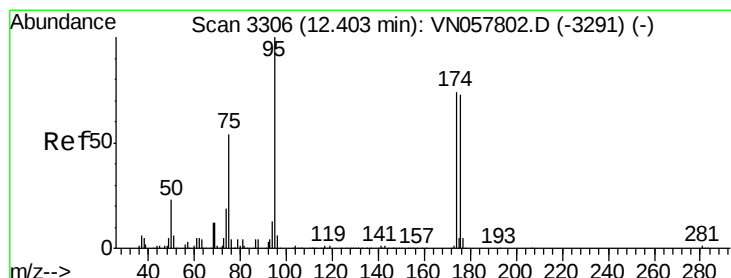
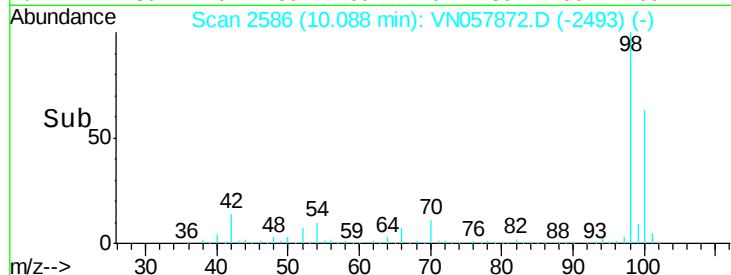
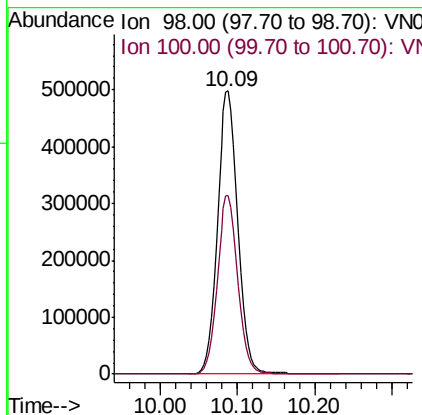
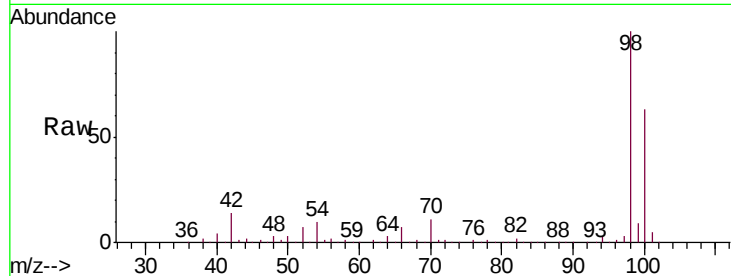




#50  
Toluene-d8  
Concen: 51.847 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN057872.D  
Acq: 10 Sep 2019 18:52

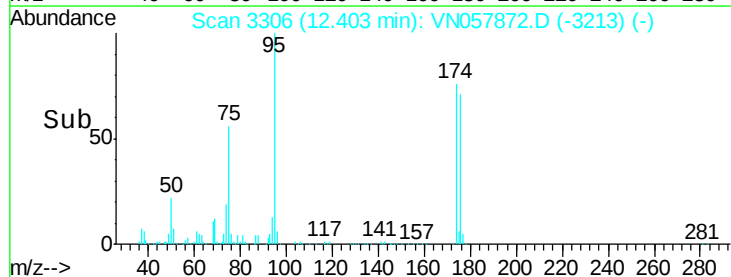
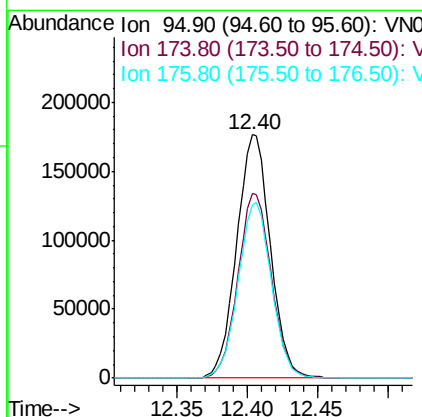
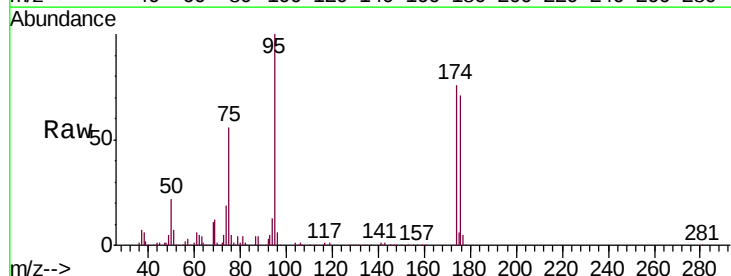
Instrument :  
MSVOA\_N  
ClientSampled :  
PAR-11-C4-(4)

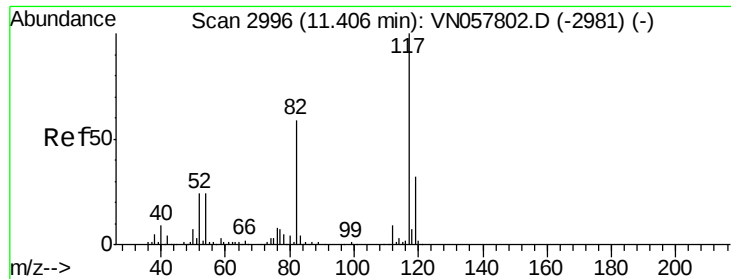
Tgt Ion: 98 Resp: 919506  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 43.766 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057872.D  
Acq: 10 Sep 2019 18:52

Tgt Ion: 95 Resp: 295799  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 150.2  
176 71.4 0.0 146.0

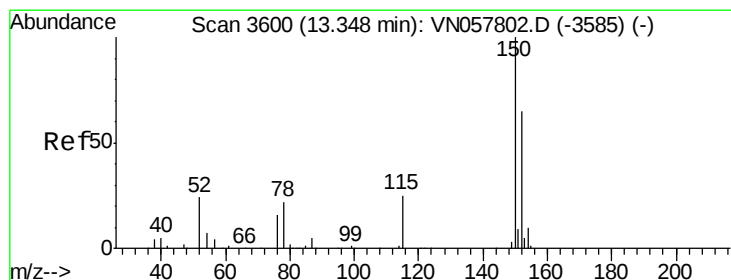
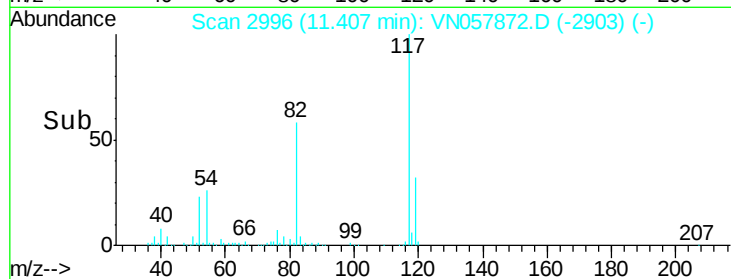
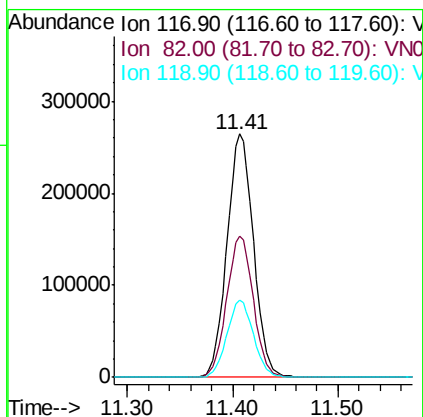
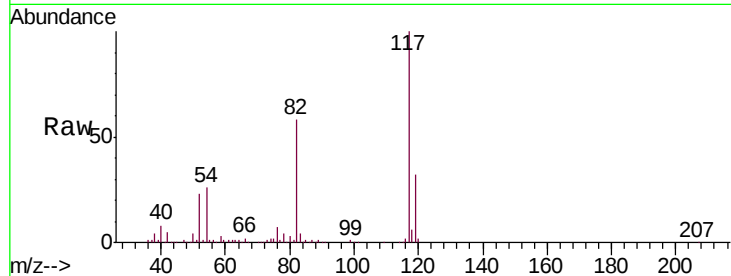




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057872.D  
Acq: 10 Sep 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
PAR-11-C4-(4)

Tgt Ion:117 Resp: 458027  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.2 70.8  
119 31.6 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: VN057872.D  
Acq: 10 Sep 2019 18:52

Tgt Ion:152 Resp: 234205  
Ion Ratio Lower Upper  
152 100  
115 60.7 30.3 91.0  
150 159.1 0.0 352.4

