

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058034.D  
 Acq On : 13 Sep 2019 21:57  
 Operator : JC/SP  
 Sample : K4694-24  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T1-2-(0)

Quant Time: Sep 14 05:49:37 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

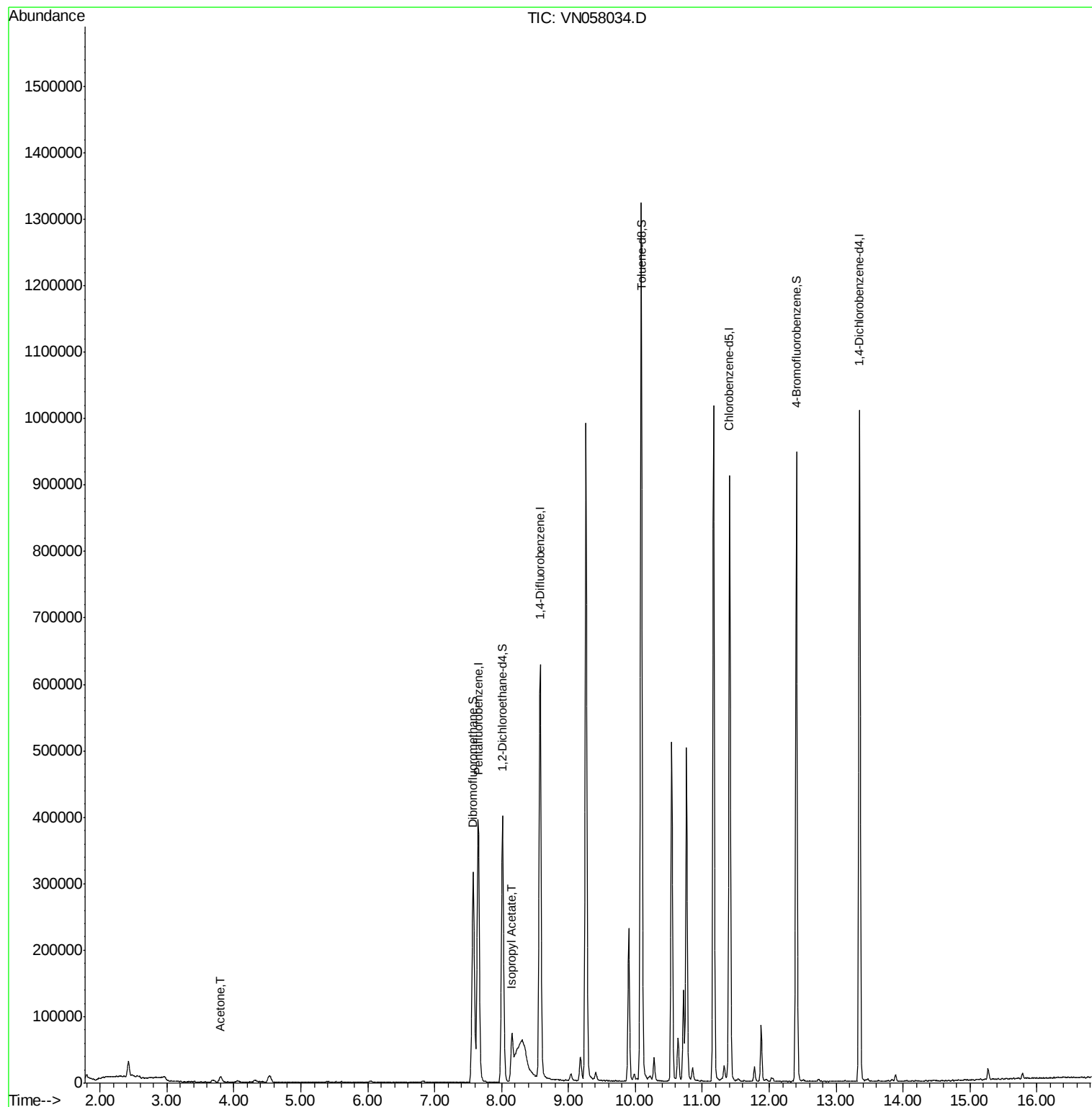
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65   | 168  | 307712   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 536687   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 499875   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 253816   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65   | 344835   | 55.33 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 110.66% |          |
| 35) Dibromofluoromethane    | 7.58   | 113  | 238700   | 48.19 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.38%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 904991   | 47.06 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.41  | 95   | 317681   | 43.35 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 86.70%  |          |
| Target Compounds            |        |      |          |       |         |          |
| 16) Acetone                 | 3.80   | 43   | 15347    | 7.512 | ug/l    | 91       |
| 43) Isopropyl Acetate       | 8.16   | 43   | 91429    | 8.454 | ug/l #  | 87       |

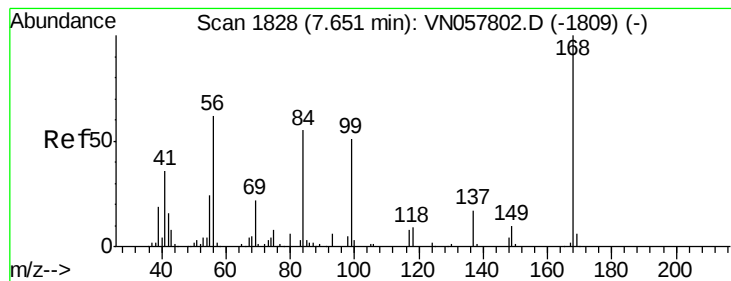
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
T1-2-(0)

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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# 1829

Delta R.T. 0.00 min

Lab File: VN058034.D

Acq: 13 Sep 2019 21:57

Instrument :

MSVOA\_N

ClientSampled :

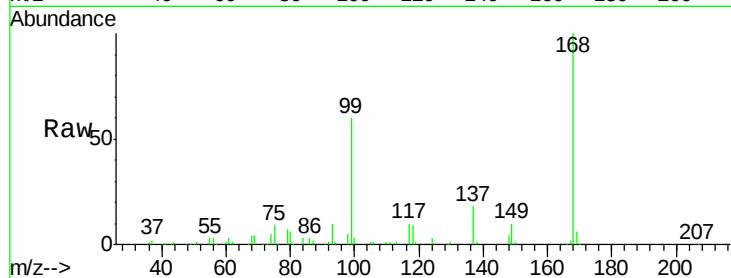
T1-2-(0)

Tot Ion:168 Resp: 307712

Ion Ratio Lower Upper

168 100

99 60.2 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

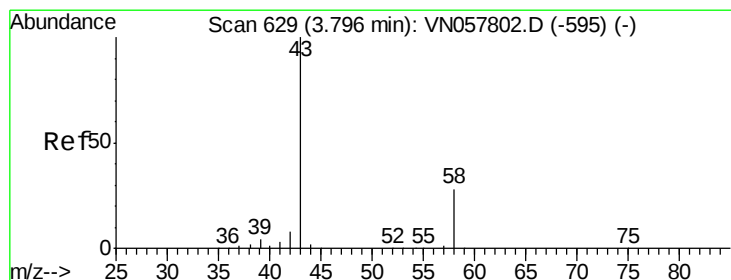
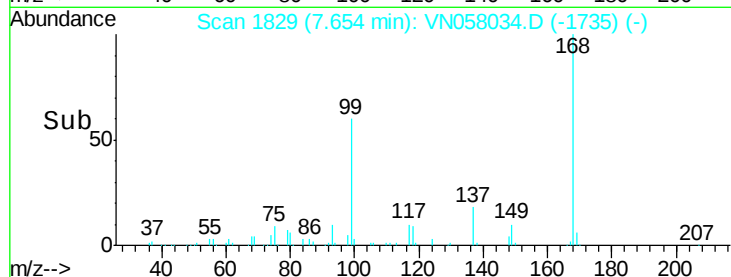
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.512 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058034.D

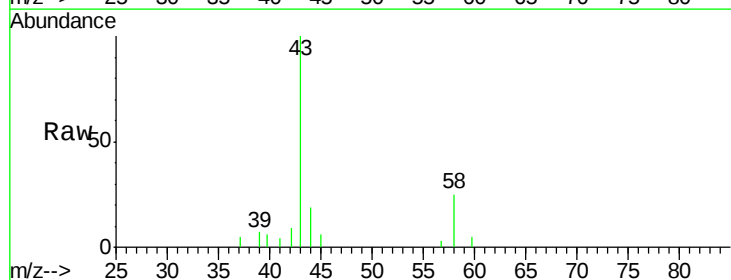
Acq: 13 Sep 2019 21:57

Tgt Ion: 43 Resp: 15347

Ion Ratio Lower Upper

43 100

58 22.8 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

6000

5000

4000

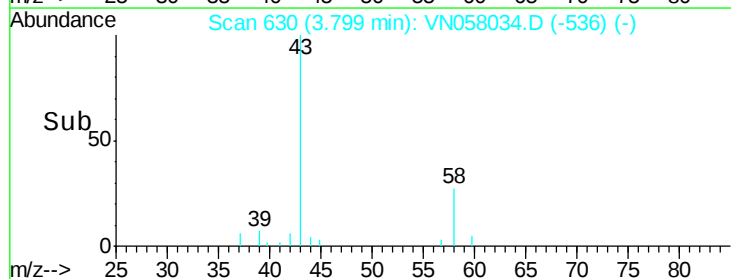
3000

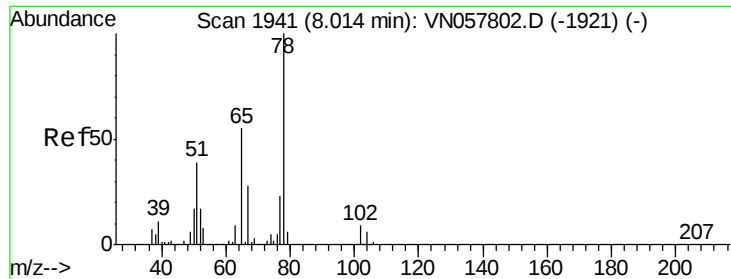
2000

1000

0

Time-->

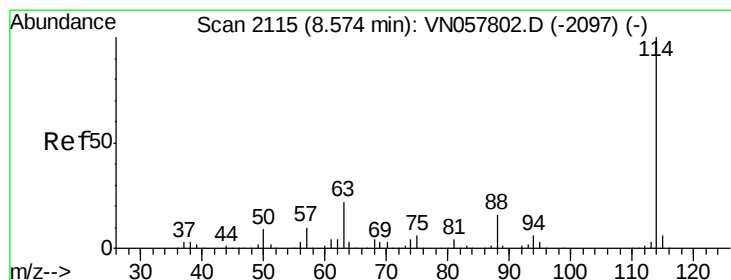
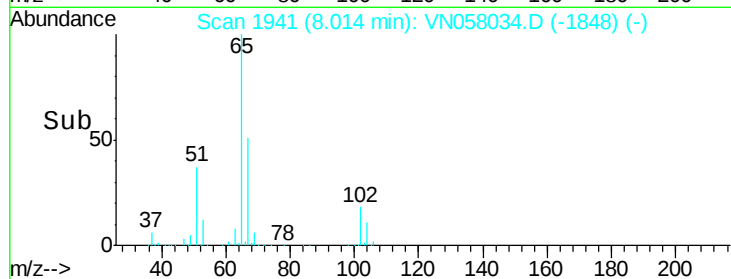
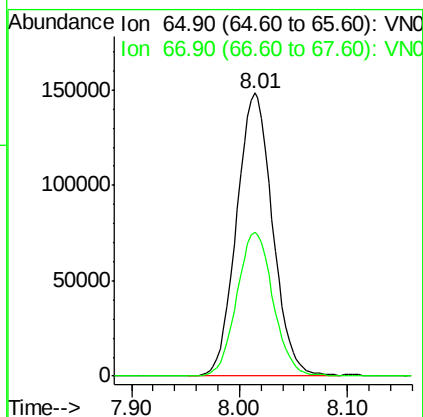
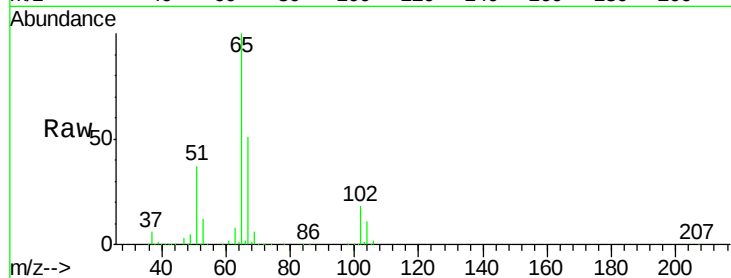




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.329 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058034.D  
 Acq: 13 Sep 2019 21:57

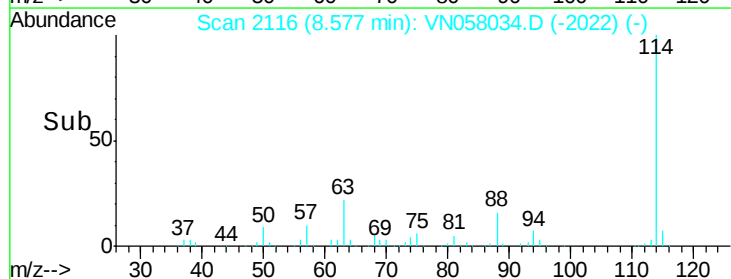
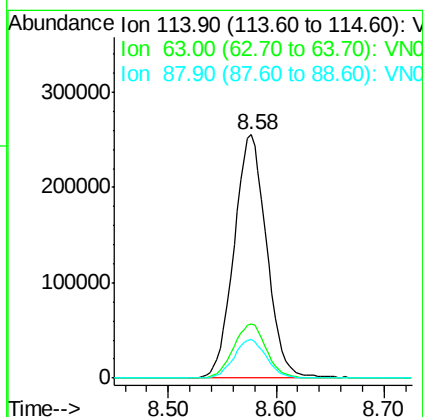
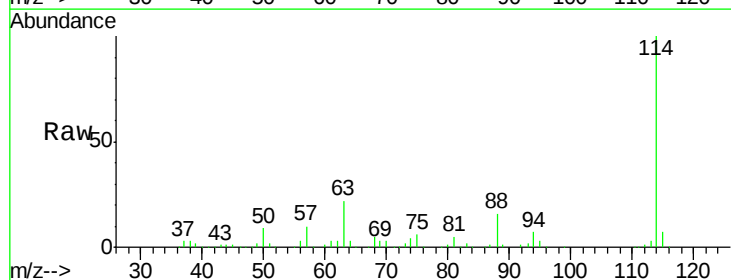
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T1-2-(0)

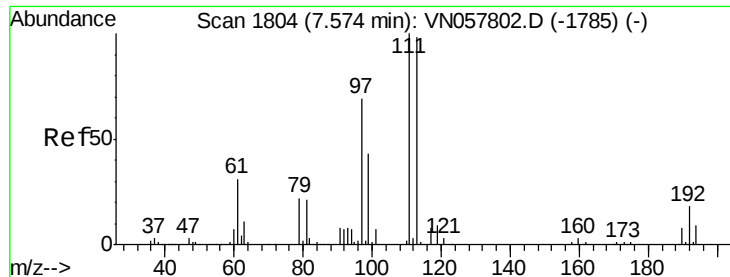
Tot Ion: 65 Resp: 344835  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058034.D  
 Acq: 13 Sep 2019 21:57

Tgt Ion: 114 Resp: 536687  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 44.0  
 88 15.7 0.0 31.4

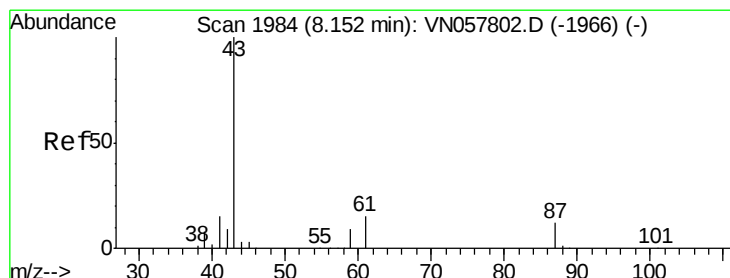
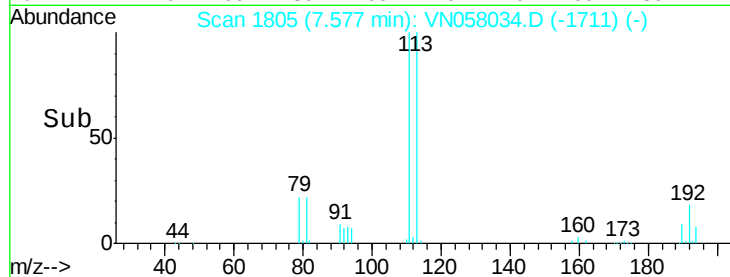
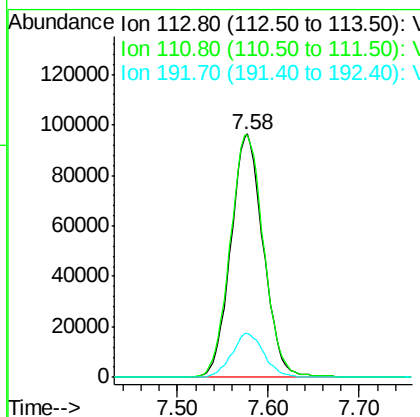
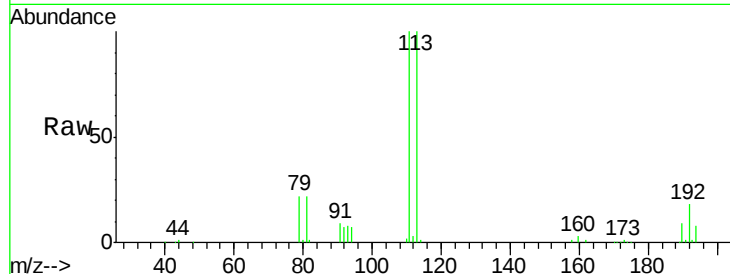




#35  
 Dibromofluoromethane  
 Concen: 48.189 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058034.D  
 Acq: 13 Sep 2019 21:57

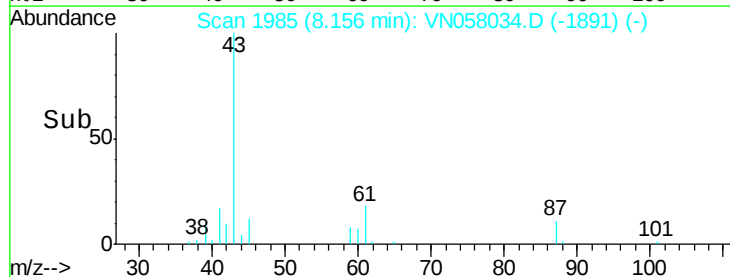
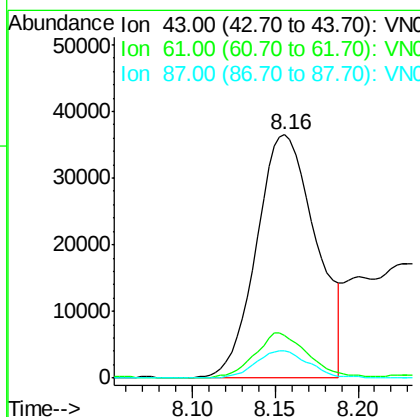
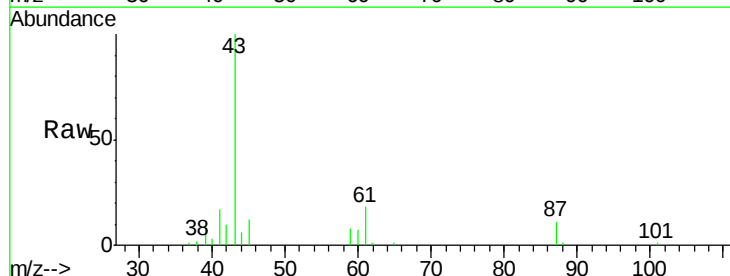
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T1-2-(0)

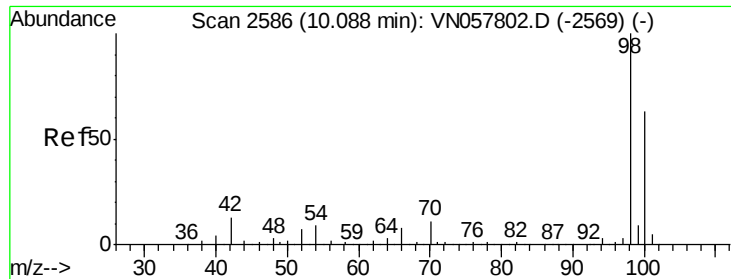
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 81.3  | 121.9 |
| 192     | 18.1  | 14.6  | 22.0  |



#43  
 Isopropyl Acetate  
 Concen: 8.454 ug/l  
 RT: 8.16 min Scan# 1985  
 Delta R.T. 0.00 min  
 Lab File: VN058034.D  
 Acq: 13 Sep 2019 21:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.7  | 20.1  | 30.1# |
| 87      | 9.8   | 9.5   | 14.3  |

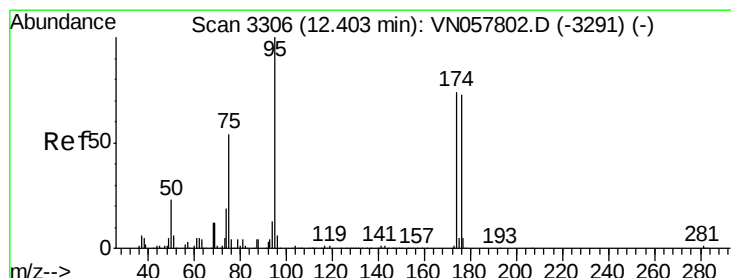
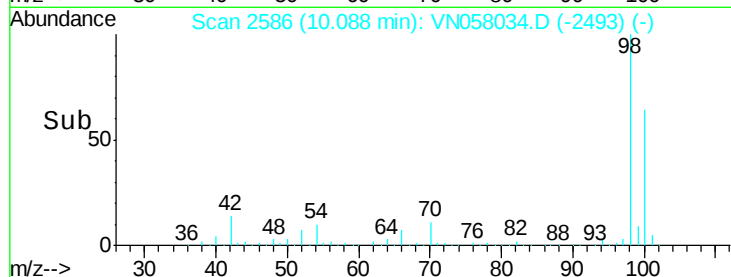
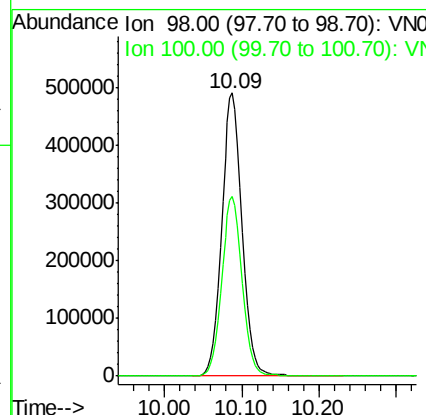
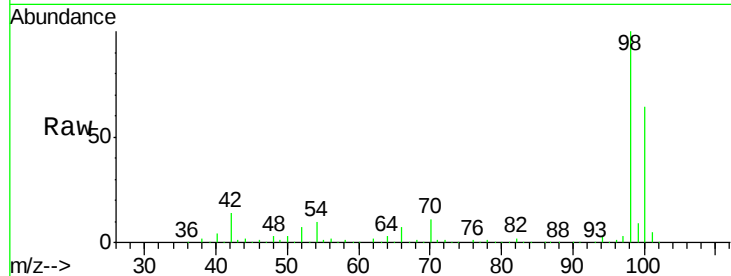




#50  
Toluene-d8  
Concen: 47.057 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN058034.D  
Acq: 13 Sep 2019 21:57

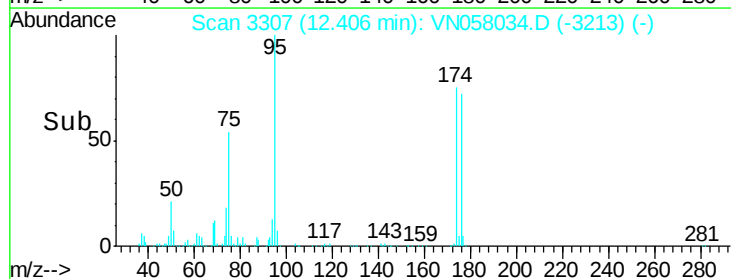
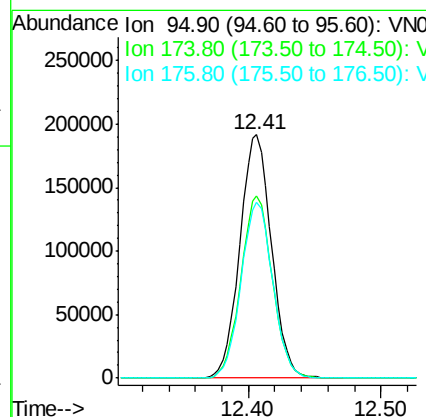
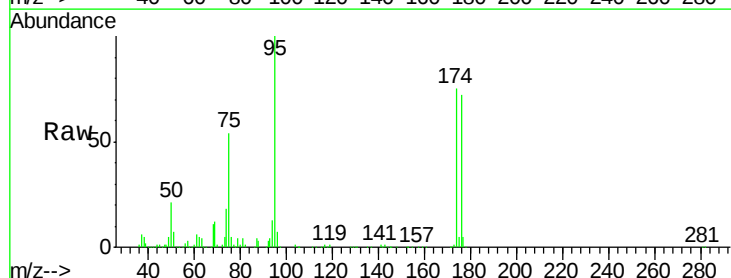
Instrument :  
MSVOA\_N  
ClientSampled :  
T1-2-(0)

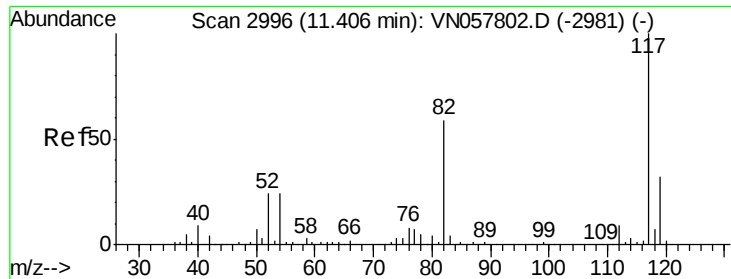
Tot Ion: 98 Resp: 904991  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 43.346 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058034.D  
Acq: 13 Sep 2019 21:57

Tgt Ion: 95 Resp: 317681  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 150.2  
176 72.3 0.0 146.0

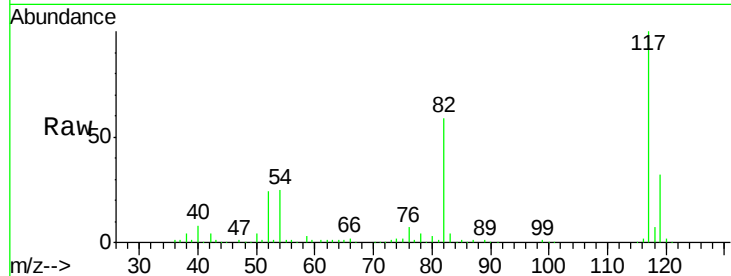




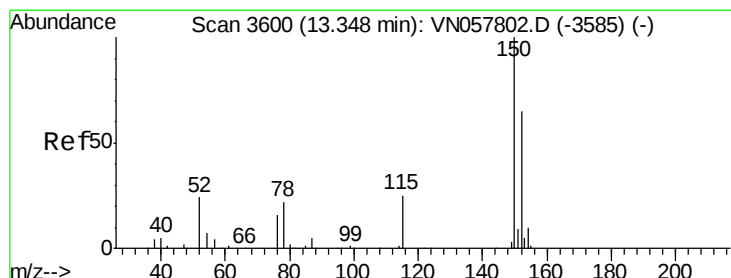
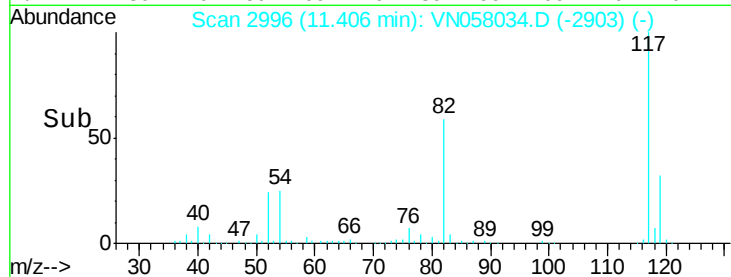
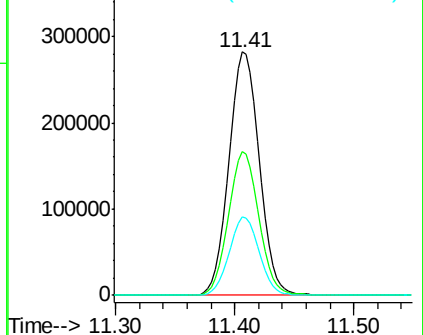
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058034.D  
Acq: 13 Sep 2019 21:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
T1-2-(0)

Tot Ion:117 Resp: 499875  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.2 70.8  
119 32.2 25.3 37.9

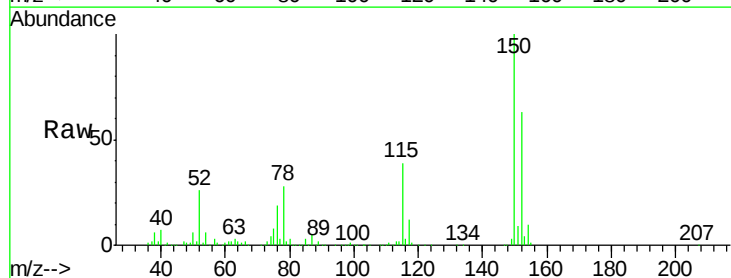


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058034.D  
Acq: 13 Sep 2019 21:57

Tgt Ion:152 Resp: 253816  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.3 91.0  
150 157.6 0.0 352.4



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

