

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058066.D  
 Acq On : 14 Sep 2019 10:45  
 Operator : JC/SP  
 Sample : K4862-11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CSA-4-4

Quant Time: Sep 16 05:40:40 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

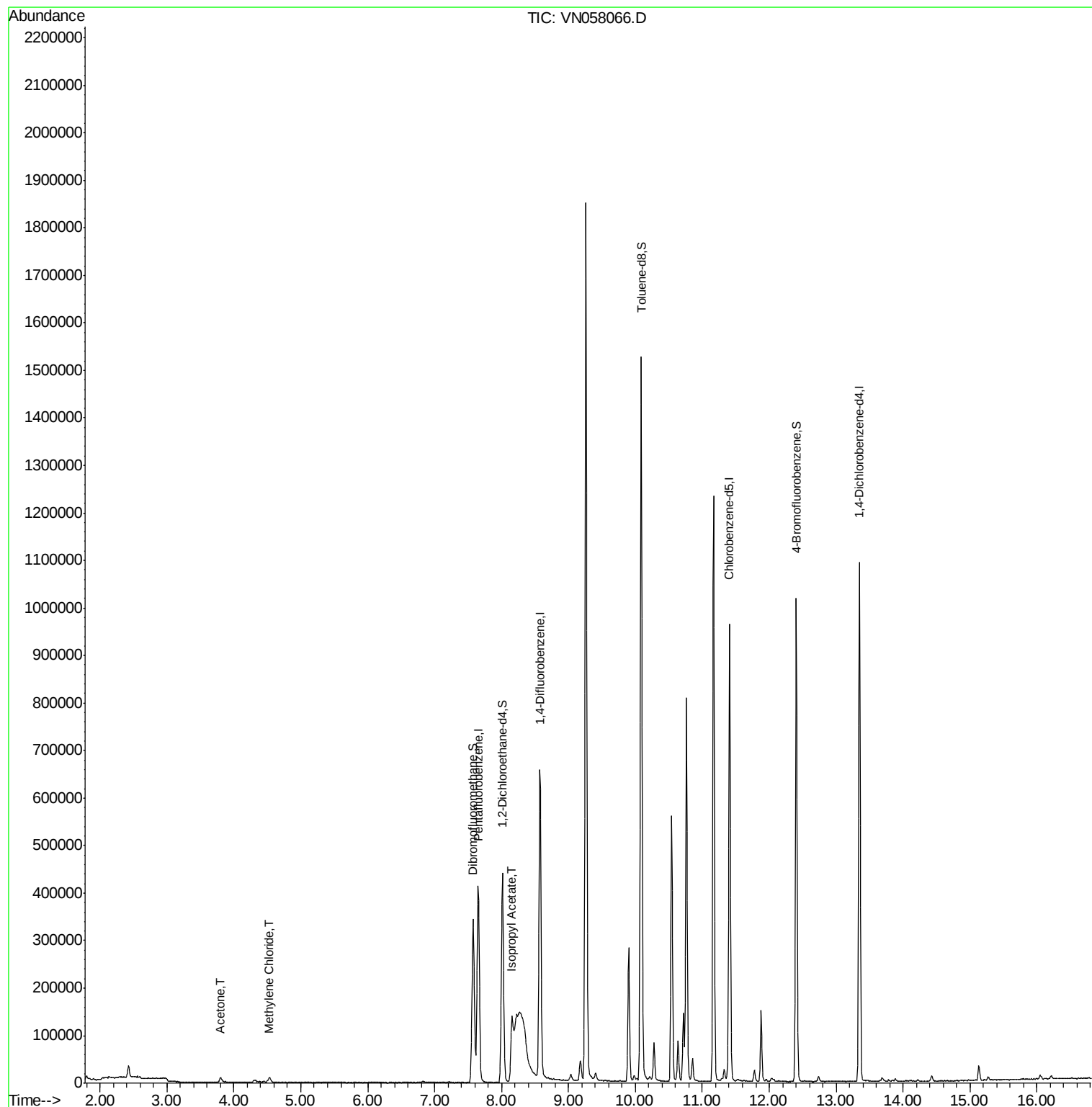
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 320361   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 562885   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 523710   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 272953   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 381238   | 58.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.50% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 260639   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1032670  | 51.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.40% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 343054   | 44.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.26%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 16594    | 7.801  | ug/l #  | 82       |
| 20) Methylene Chloride      | 4.53  | 84   | 7291     | 0.584  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 170197   | 15.006 | ug/l #  | 80       |

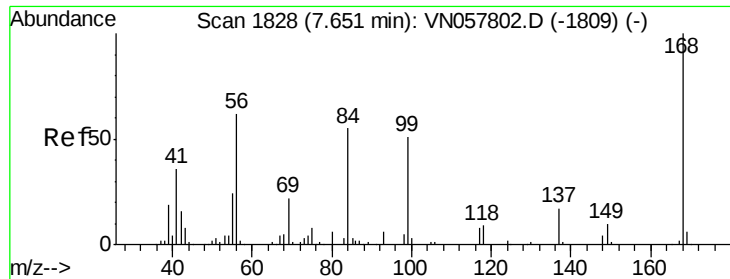
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
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ALS Vial : 69 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
CSA-4-4

Quant Time: Sep 16 05:40:40 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: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA\_N

ClientSampled :

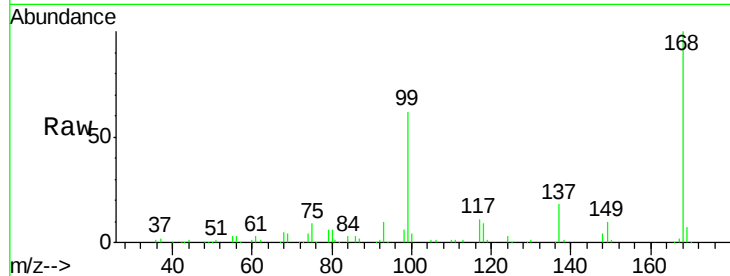
CSA-4-4

Tot Ion:168 Resp: 320361

Ion Ratio Lower Upper

168 100

99 61.6 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

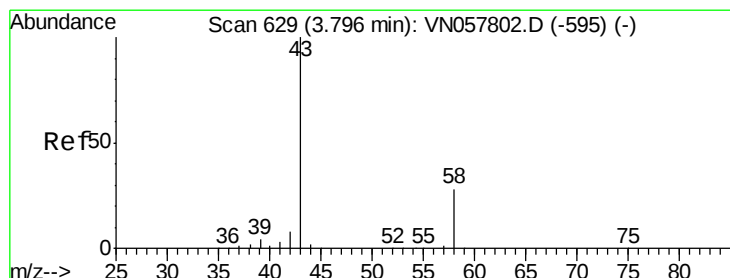
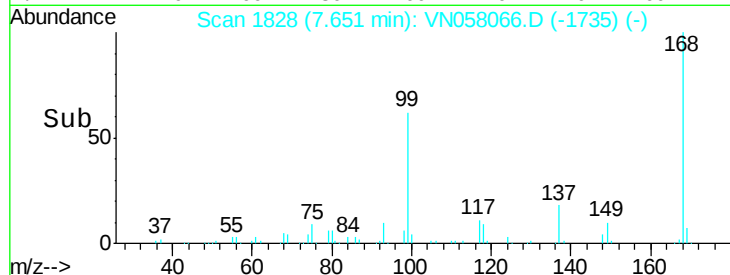
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.801 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058066.D

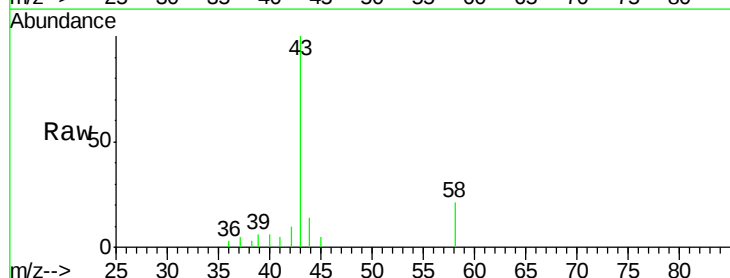
Acq: 14 Sep 2019 10:45

Tgt Ion: 43 Resp: 16594

Ion Ratio Lower Upper

43 100

58 18.5 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

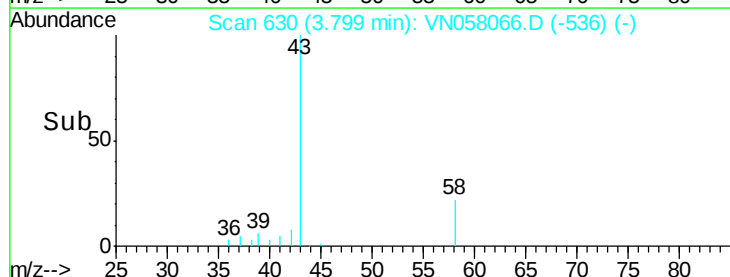
6000

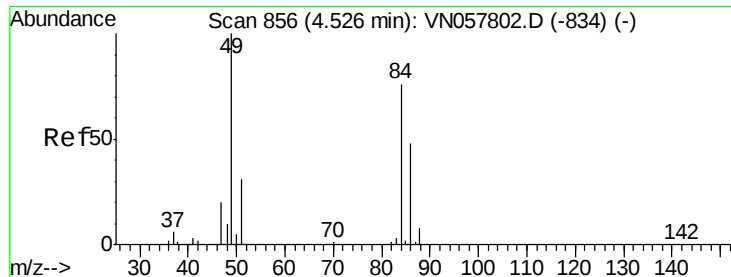
4000

2000

0

Time-->

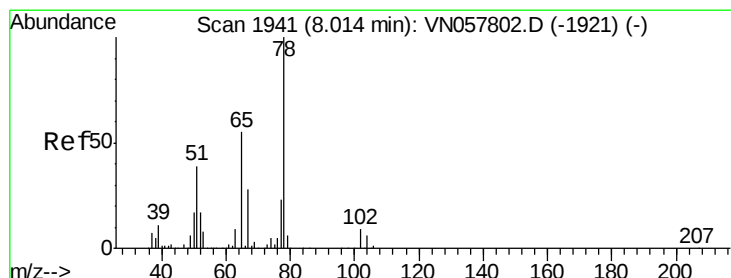
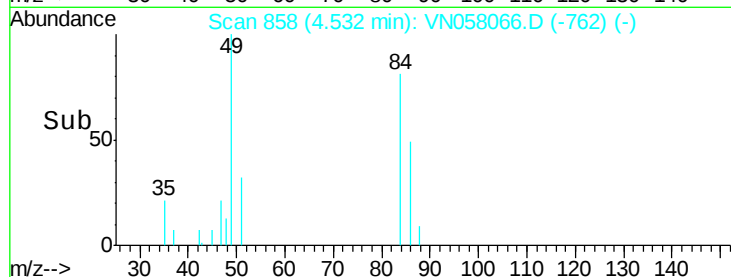
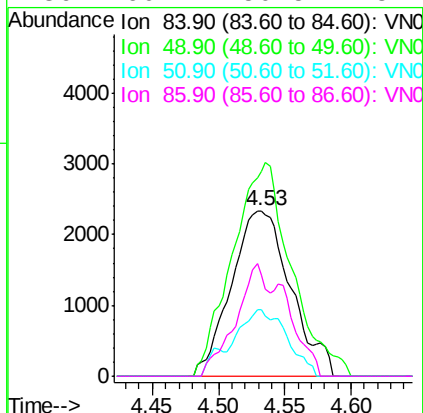
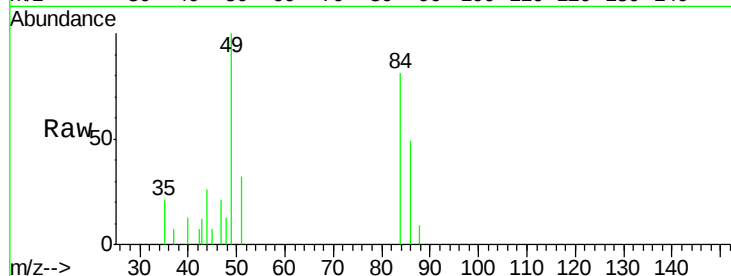




#20  
Methylene Chloride  
Concen: 0.584 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: VN058066.D  
Acq: 14 Sep 2019 10:45

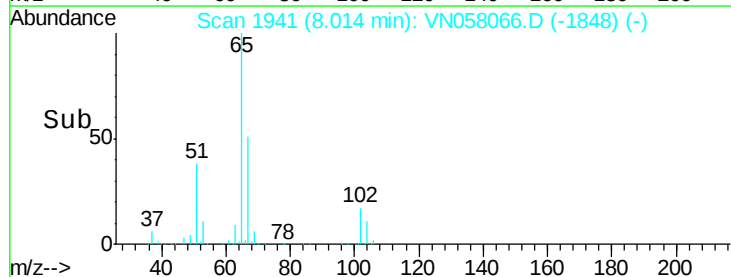
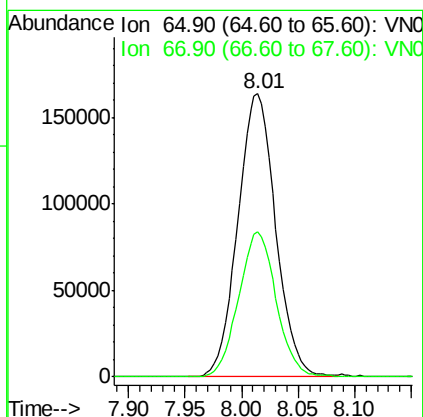
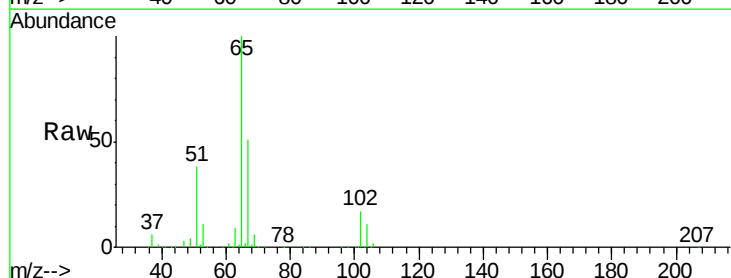
Instrument :  
MSVOA\_N  
ClientSampled :  
CSA-4-4

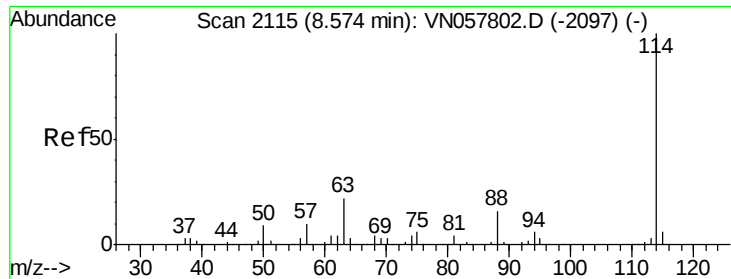
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7291  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.9 | 104.8 | 157.2 |
| 51       | 40.0  | 33.0  | 49.4  |
| 86       | 60.7  | 50.5  | 75.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 58.755 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058066.D  
Acq: 14 Sep 2019 10:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 381238 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 50.8  | 0.0   | 104.0  |

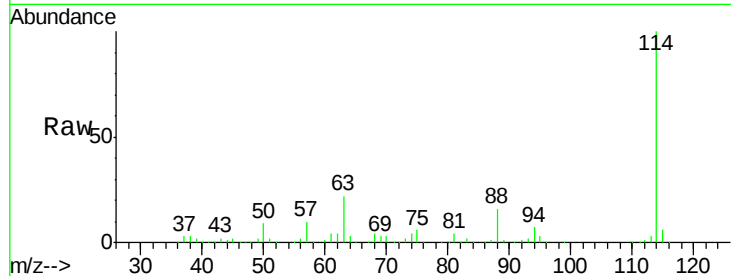




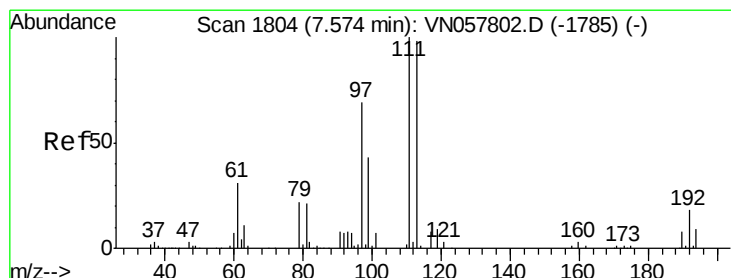
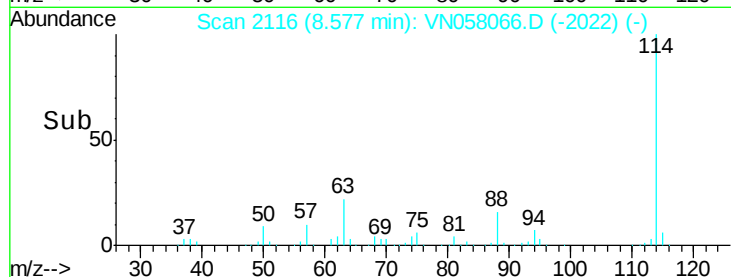
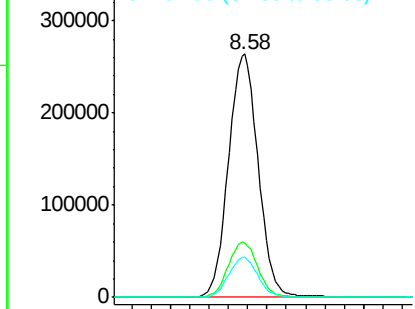
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058066.D  
 Acq: 14 Sep 2019 10:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CSA-4-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.5  | 0.0   | 44.0  |
| 88      | 16.2  | 0.0   | 31.4  |

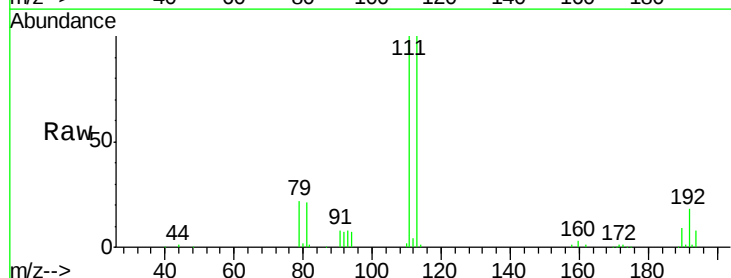


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

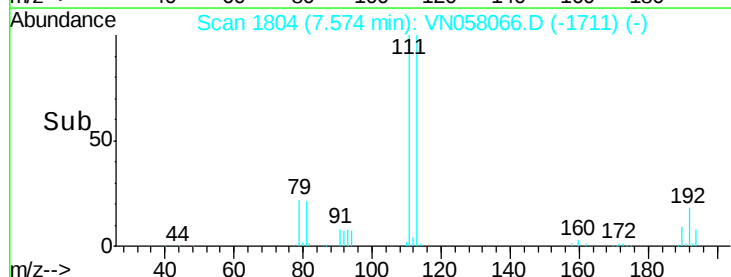
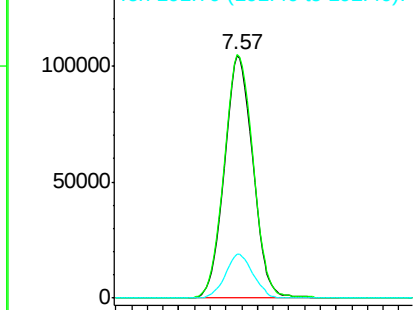


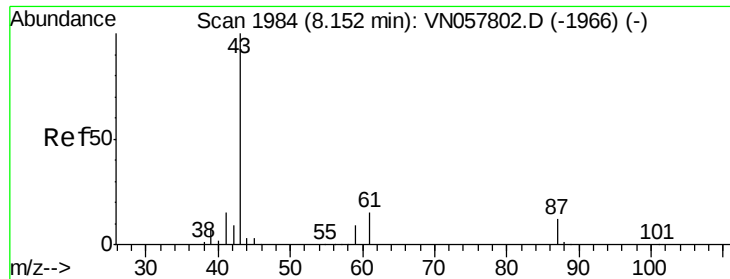
#35  
 Dibromofluoromethane  
 Concen: 50.169 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058066.D  
 Acq: 14 Sep 2019 10:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.3  | 121.9 |
| 192     | 17.9  | 14.6  | 22.0  |



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



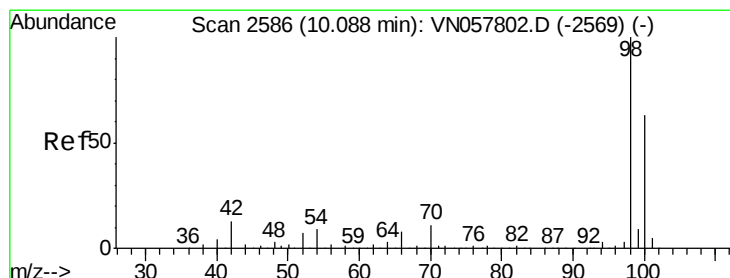
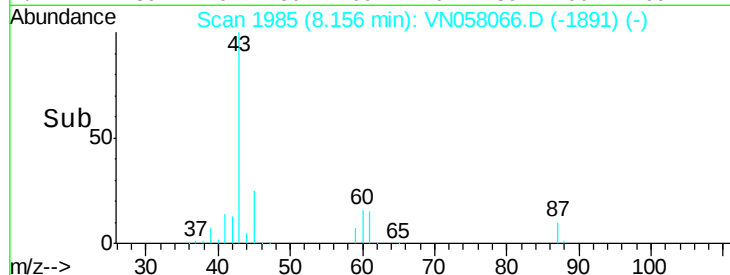
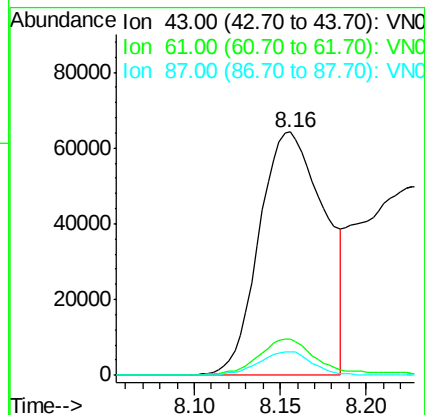
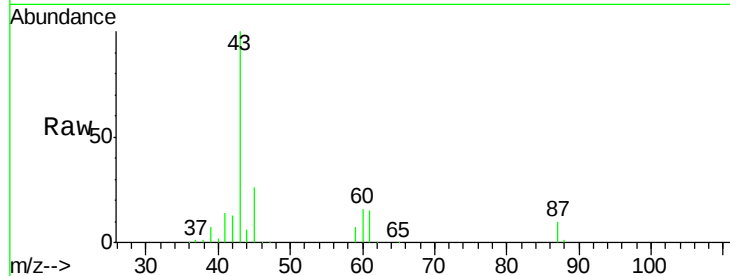


#43

Isopropyl Acetate  
 Concen: 15.006 ug/l  
 RT: 8.16 min Scan# 1985  
 Delta R.T. 0.00 min  
 Lab File: VN058066.D  
 Acq: 14 Sep 2019 10:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CSA-4-4

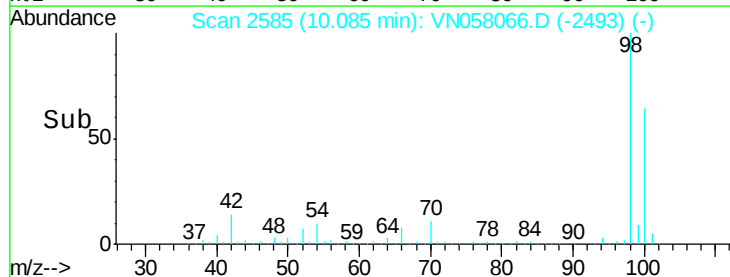
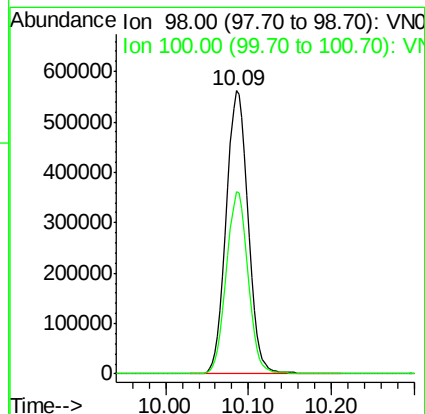
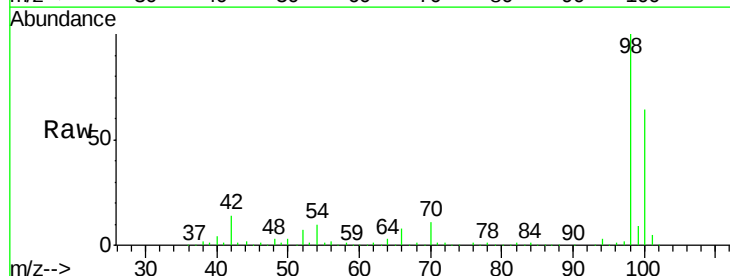
Tot Ion: 43 Resp: 170197  
 Ion Ratio Lower Upper  
 43 100  
 61 13.0 20.1 30.1#  
 87 7.9 9.5 14.3#

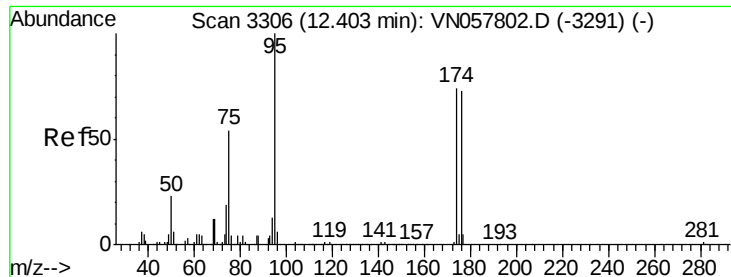


#50

Toluene-d8  
 Concen: 51.197 ug/l  
 RT: 10.09 min Scan# 2585  
 Delta R.T. -0.00 min  
 Lab File: VN058066.D  
 Acq: 14 Sep 2019 10:45

Tgt Ion: 98 Resp: 1032670  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 50.3 75.5

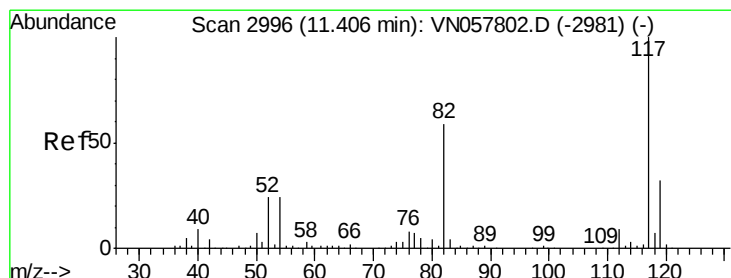
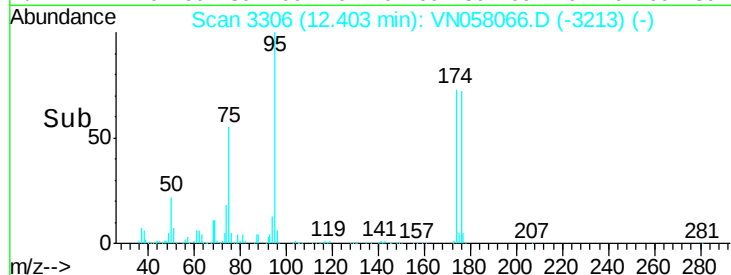
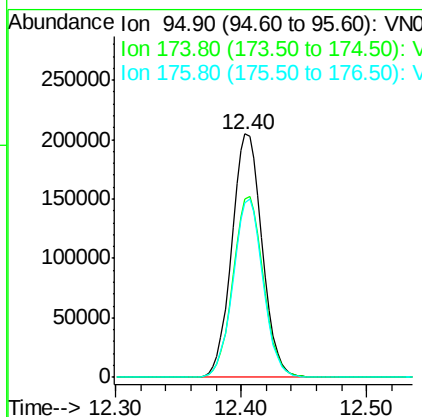
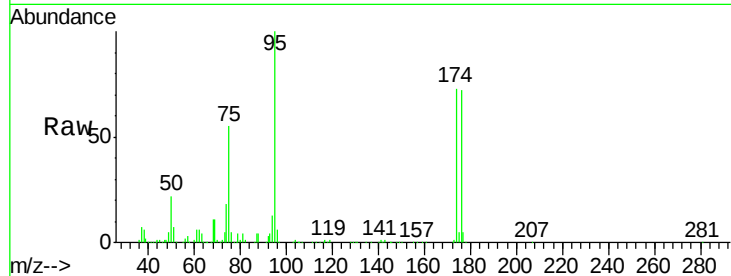




#62  
4-Bromofluorobenzene  
Concen: 44.629 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN058066.D  
Acq: 14 Sep 2019 10:45

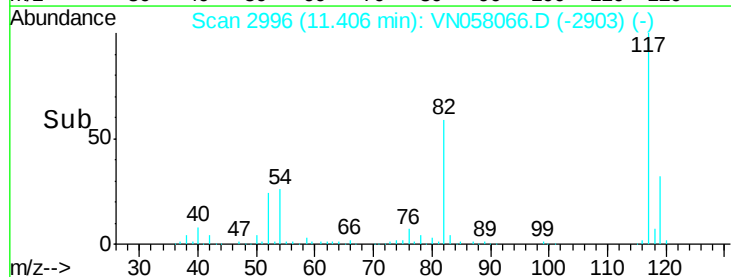
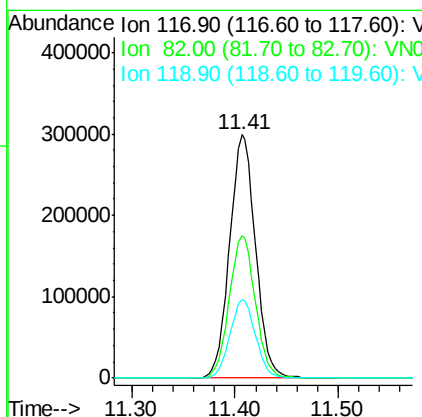
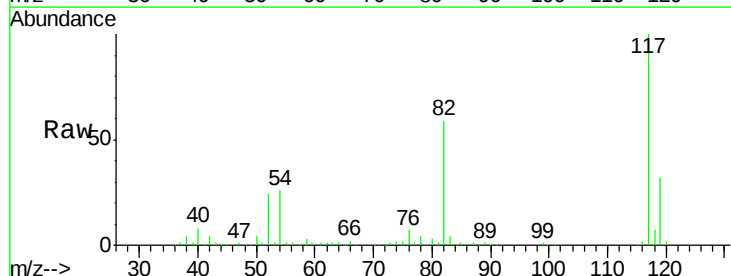
Instrument :  
MSVOA\_N  
ClientSampled :  
CSA-4-4

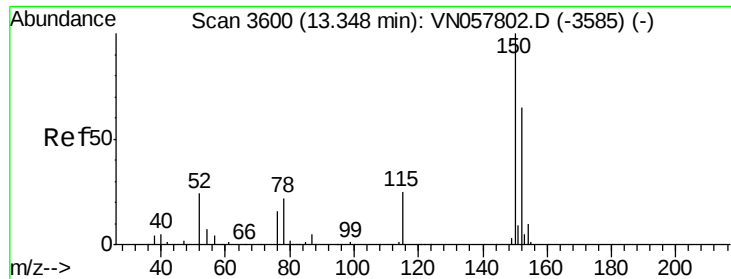
Tot Ion: 95 Resp: 343054  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 150.2  
176 72.4 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058066.D  
Acq: 14 Sep 2019 10:45

Tgt Ion: 117 Resp: 523710  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.2 70.8  
119 32.4 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: VN058066.D

Acq: 14 Sep 2019 10:45

Instrument :

MSVOA\_N

ClientSampleId :

CSA-4-4

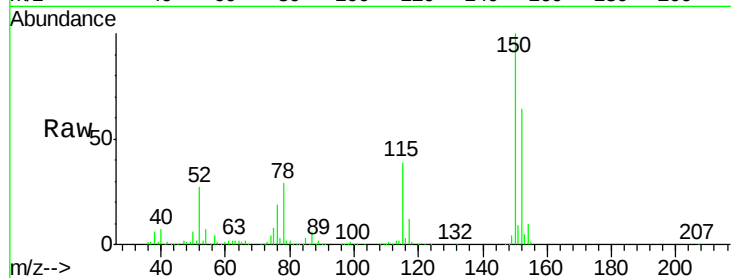
Tot Ion:152 Resp: 272953

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

150 156.4 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

