

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058033.D  
 Acq On : 13 Sep 2019 21:35  
 Operator : JC/SP  
 Sample : K4694-23  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T1-1-(1.5)

Quant Time: Sep 14 05:47:27 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

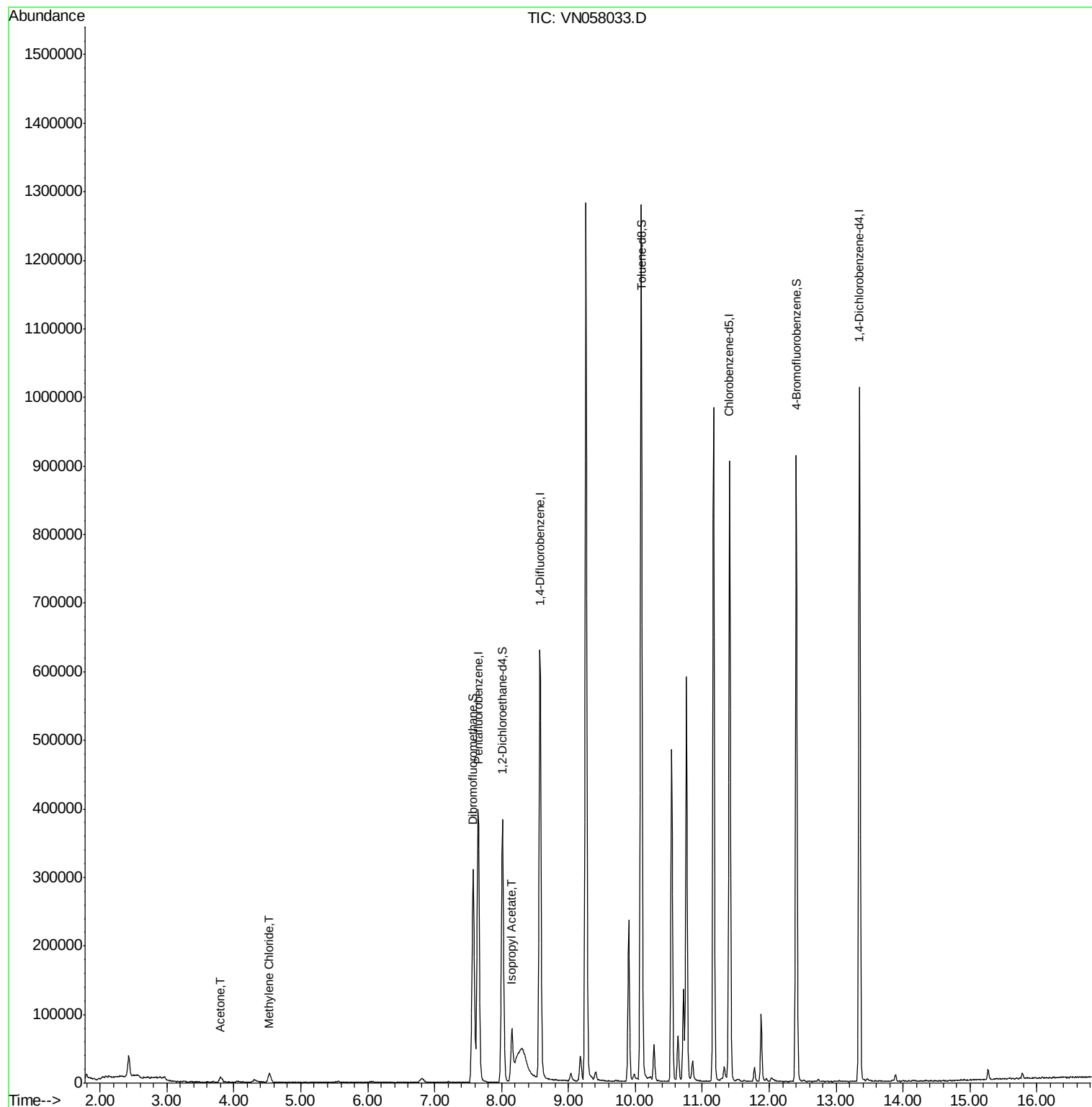
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 314457   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 530840   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 494488   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 254535   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 336235   | 52.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.58% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 232367   | 47.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.86%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 890399   | 46.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.62%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 306364   | 42.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.52%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 13126    | 6.287 | ug/l #  | 78       |
| 20) Methylene Chloride      | 4.53  | 84   | 8862     | 1.024 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 101935   | 9.530 | ug/l #  | 84       |

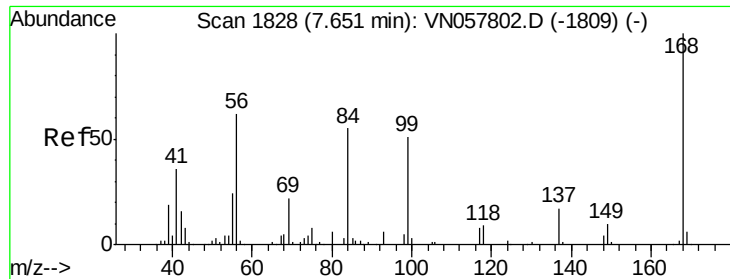
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
Data File : VN058033.D  
Acq On : 13 Sep 2019 21:35  
Operator : JC/SP  
Sample : K4694-23  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T1-1-(1.5)

Quant Time: Sep 14 05:47:27 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: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA\_N

ClientSampleId :

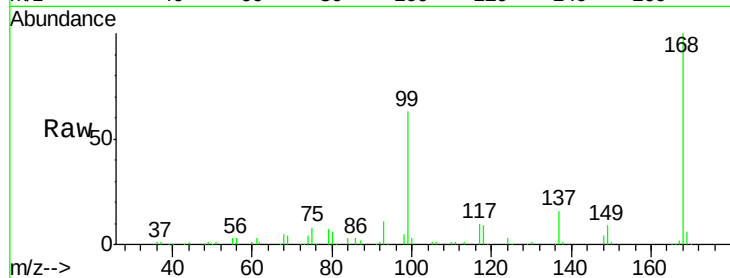
T1-1-(1.5)

Tot Ion:168 Resp: 314457

Ion Ratio Lower Upper

168 100

99 62.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

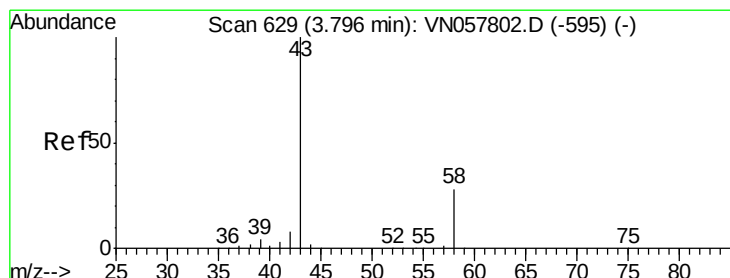
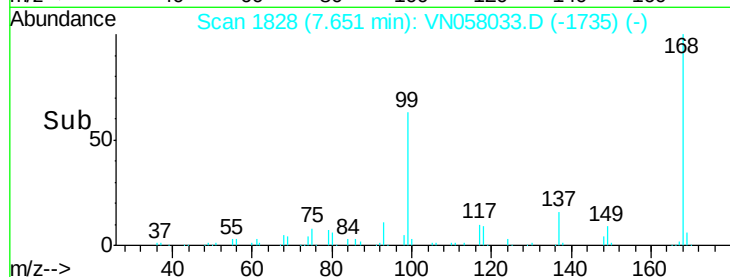
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.287 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058033.D

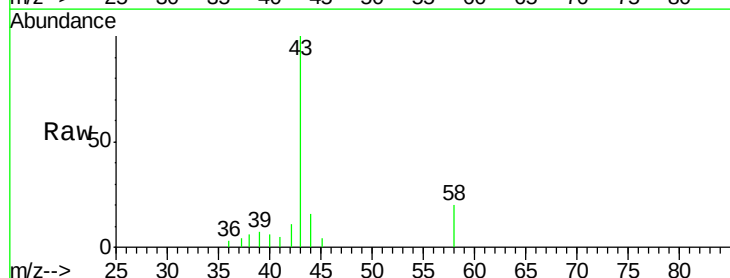
Acq: 13 Sep 2019 21:35

Tgt Ion: 43 Resp: 13126

Ion Ratio Lower Upper

43 100

58 16.3 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.80

5000

4000

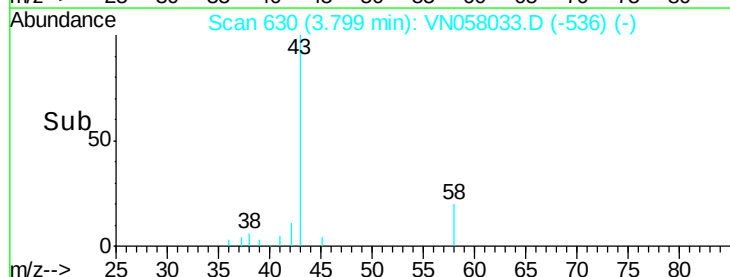
3000

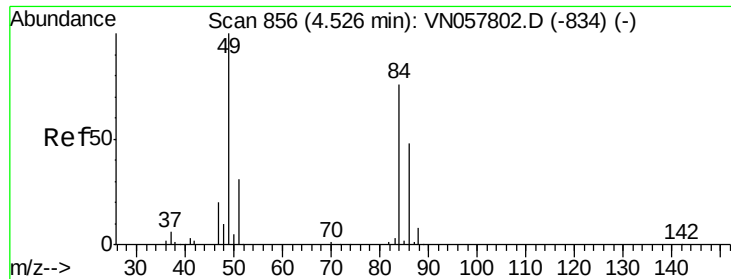
2000

1000

0

Time-->

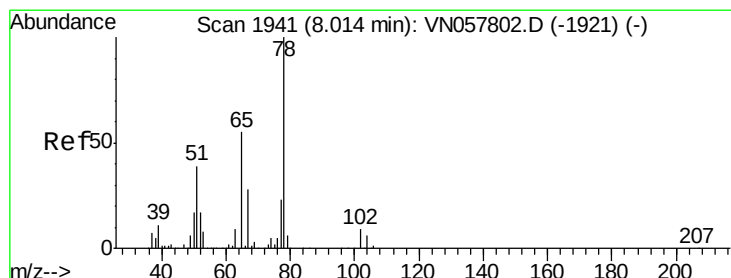
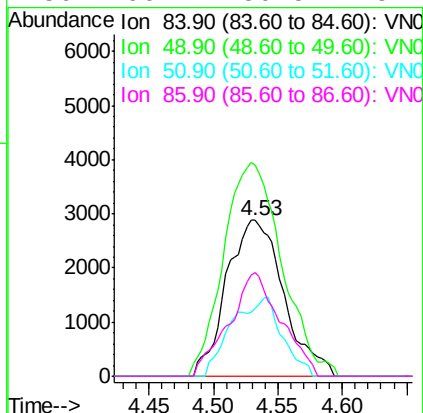
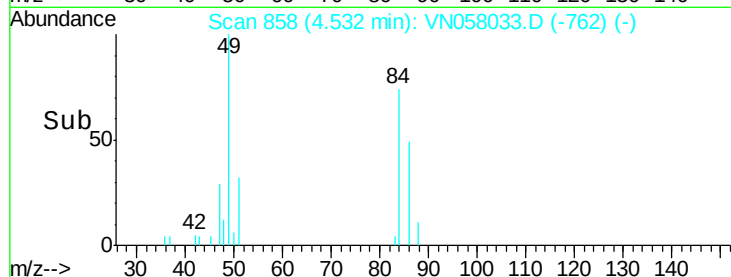
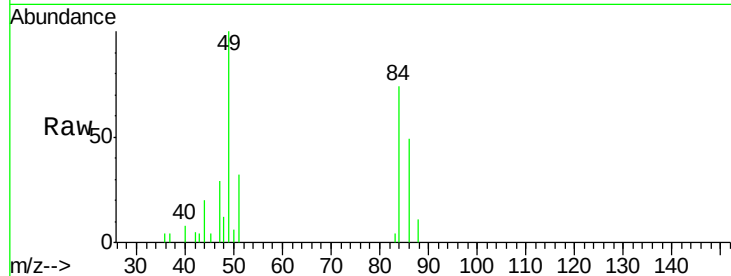




#20  
Methylene Chloride  
Concen: 1.024 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: VN058033.D  
Acq: 13 Sep 2019 21:35

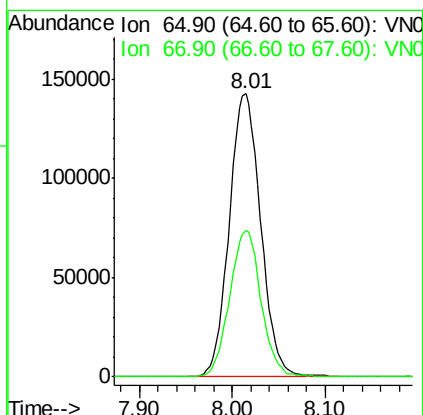
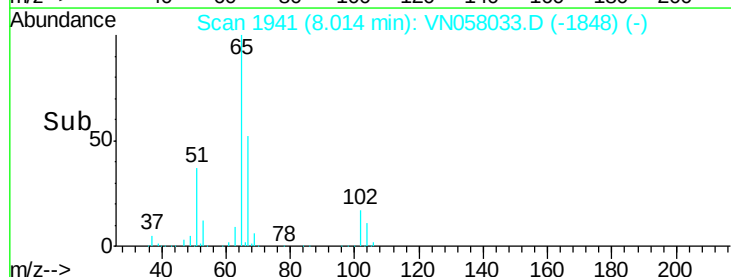
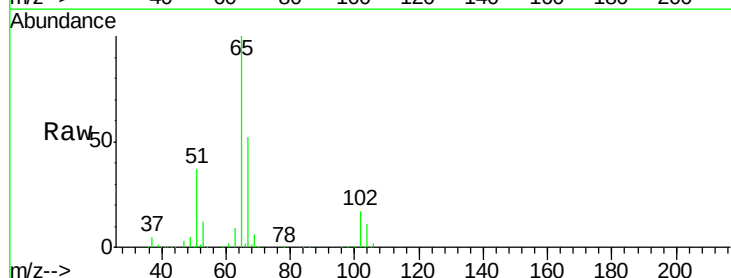
Instrument :  
MSVOA\_N  
ClientSampled :  
T1-1-(1.5)

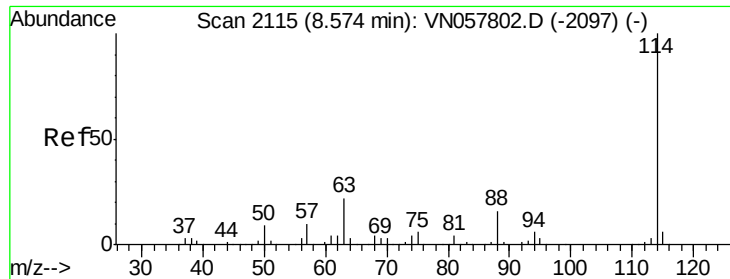
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 8862  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.7 | 104.8 | 157.2 |
| 51       | 43.2  | 33.0  | 49.4  |
| 86       | 66.4  | 50.5  | 75.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.792 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058033.D  
Acq: 13 Sep 2019 21:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 336235 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.5  | 0.0   | 104.0  |

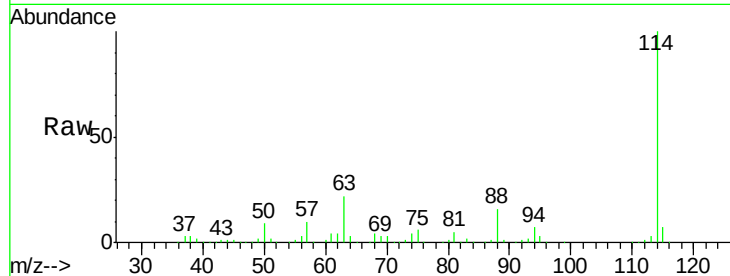




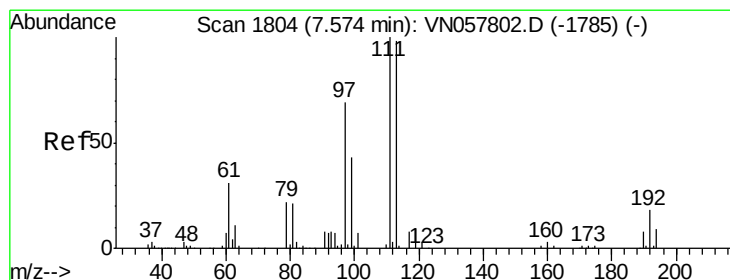
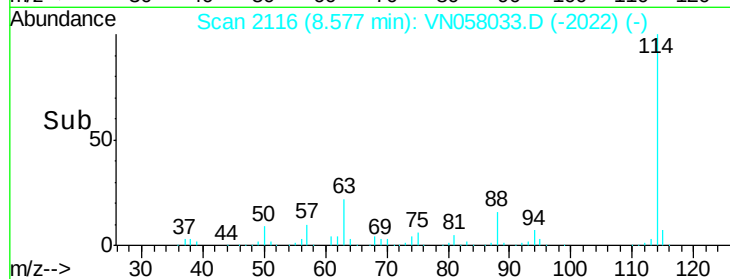
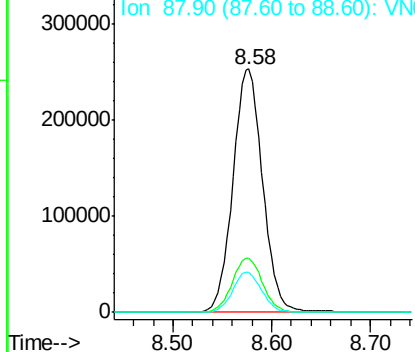
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058033.D  
 Acq: 13 Sep 2019 21:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T1-1-(1.5)

Tot Ion:114 Resp: 530840  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 44.0  
 88 16.2 0.0 31.4

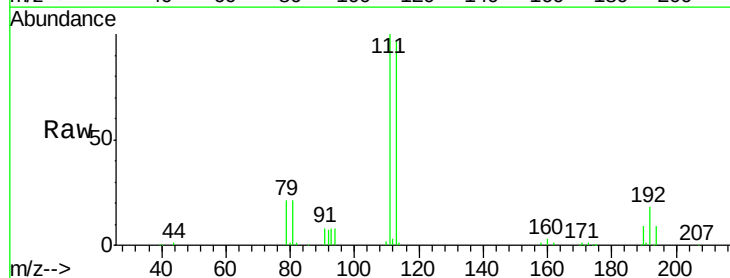


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

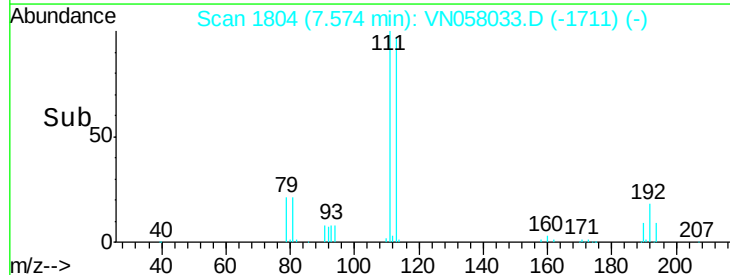
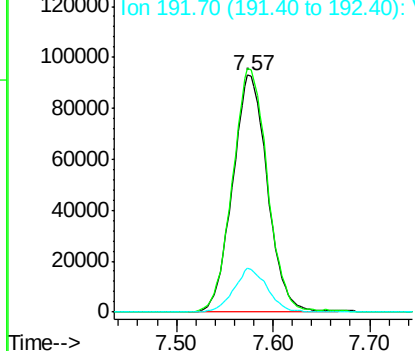


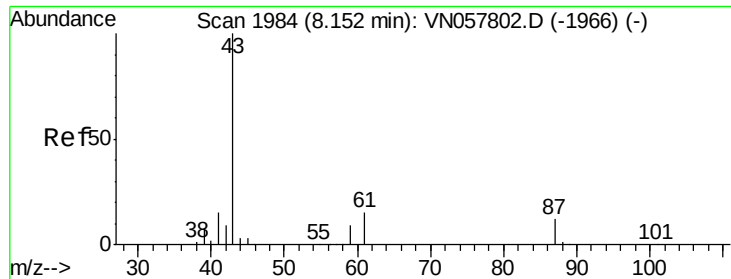
#35  
 Dibromofluoromethane  
 Concen: 47.427 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058033.D  
 Acq: 13 Sep 2019 21:35

Tgt Ion:113 Resp: 232367  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 81.3 121.9  
 192 17.8 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: 9.530 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA\_N

ClientSampled :

T1-1-(1.5)

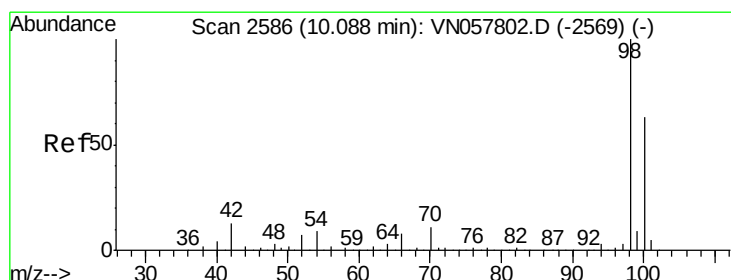
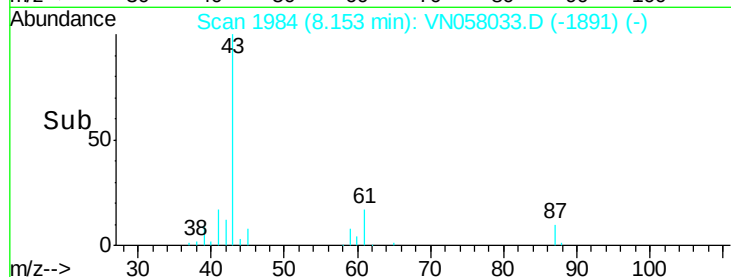
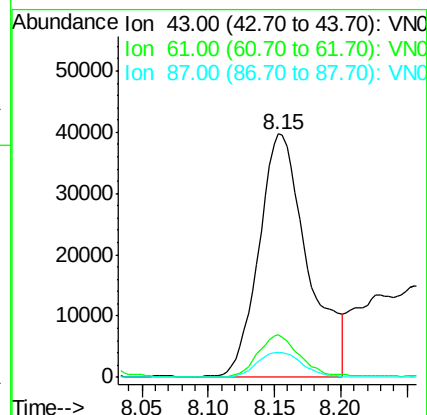
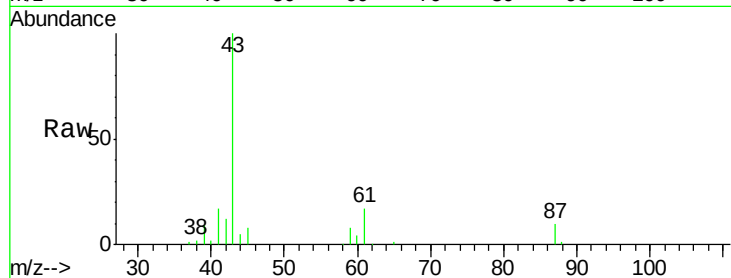
Tot Ion: 43 Resp: 101935

Ion Ratio Lower Upper

43 100

61 14.7 20.1 30.1#

87 9.4 9.5 14.3#



#50

Toluene-d8

Concen: 46.808 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058033.D

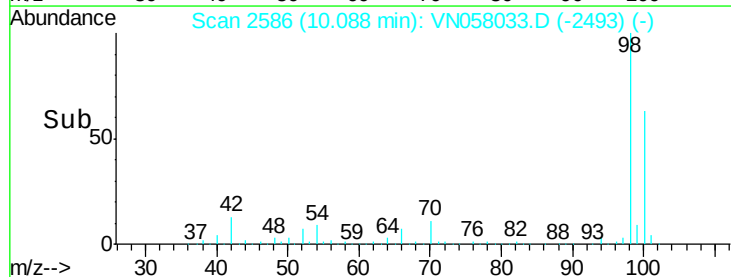
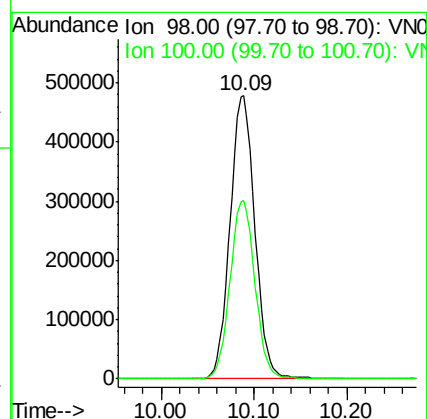
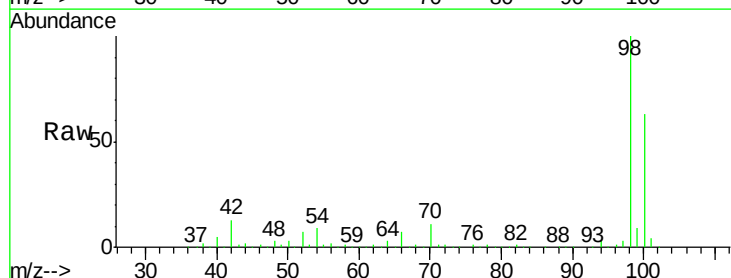
Acq: 13 Sep 2019 21:35

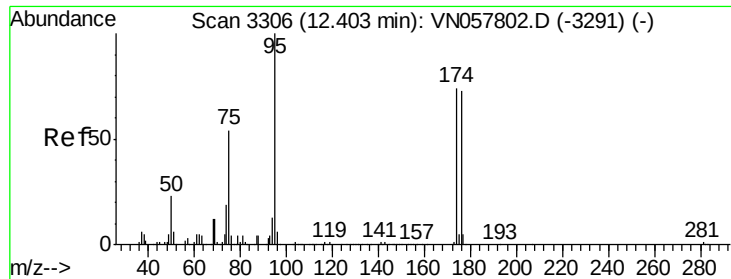
Tgt Ion: 98 Resp: 890399

Ion Ratio Lower Upper

98 100

100 63.1 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 42.262 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA\_N

ClientSampleId :

T1-1-(1.5)

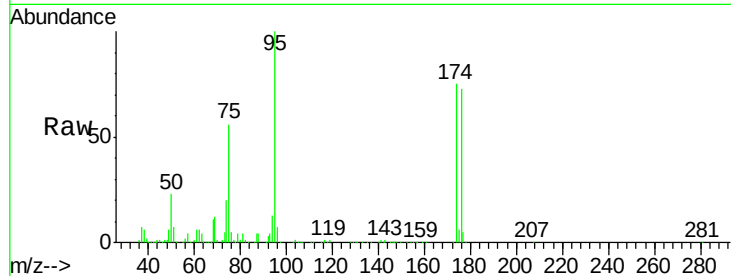
Tot Ion: 95 Resp: 306364

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

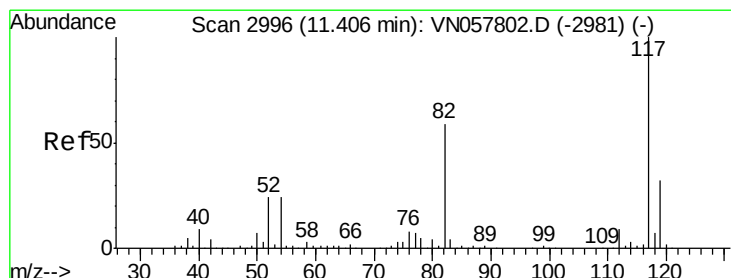
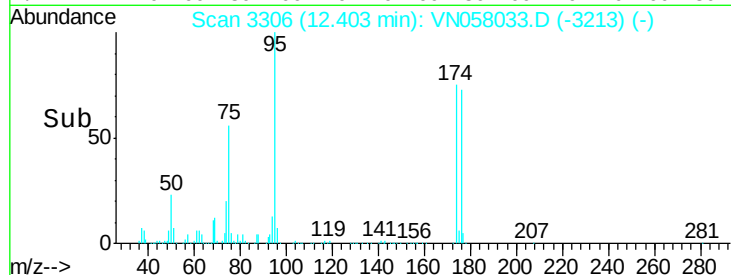
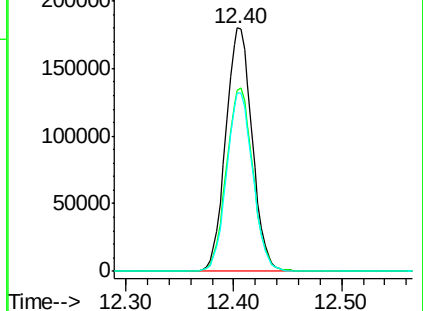
176 72.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN058033.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN058033.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN058033.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

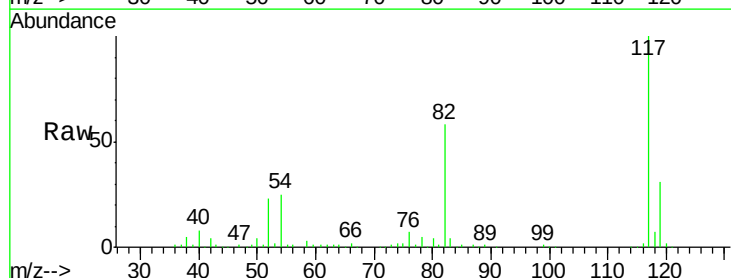
Tgt Ion: 117 Resp: 494488

Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

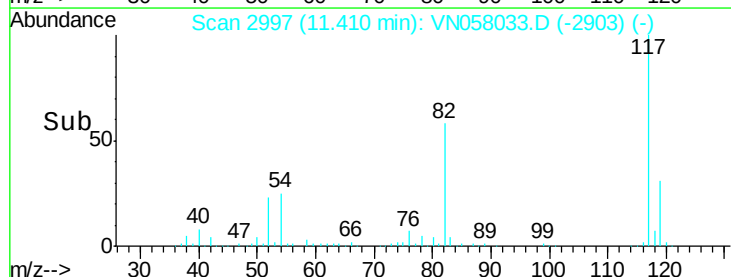
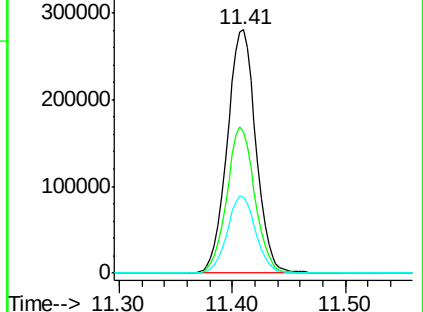
119 31.2 25.3 37.9

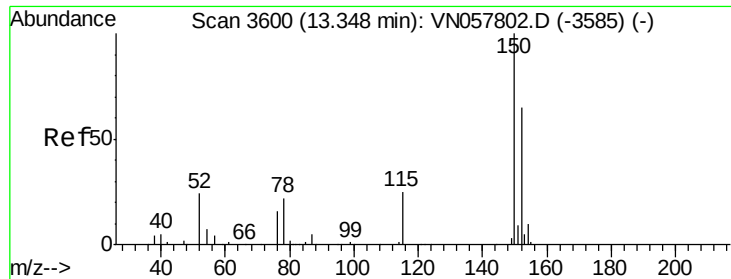


Abundance Ion 116.90 (116.60 to 117.60): VN058033.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058033.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058033.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA\_N

ClientSampleId :

T1-1-(1.5)

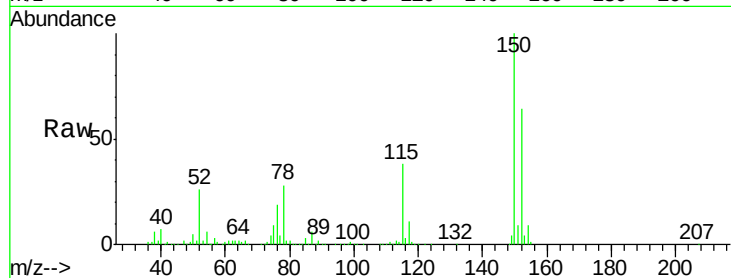
Tot Ion:152 Resp: 254535

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

150 158.4 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

