

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058060.D  
 Acq On : 14 Sep 2019 8:33  
 Operator : JC/SP  
 Sample : K4837-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P66-LINDEN-GEN-SP

Quant Time: Sep 16 05:36:54 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

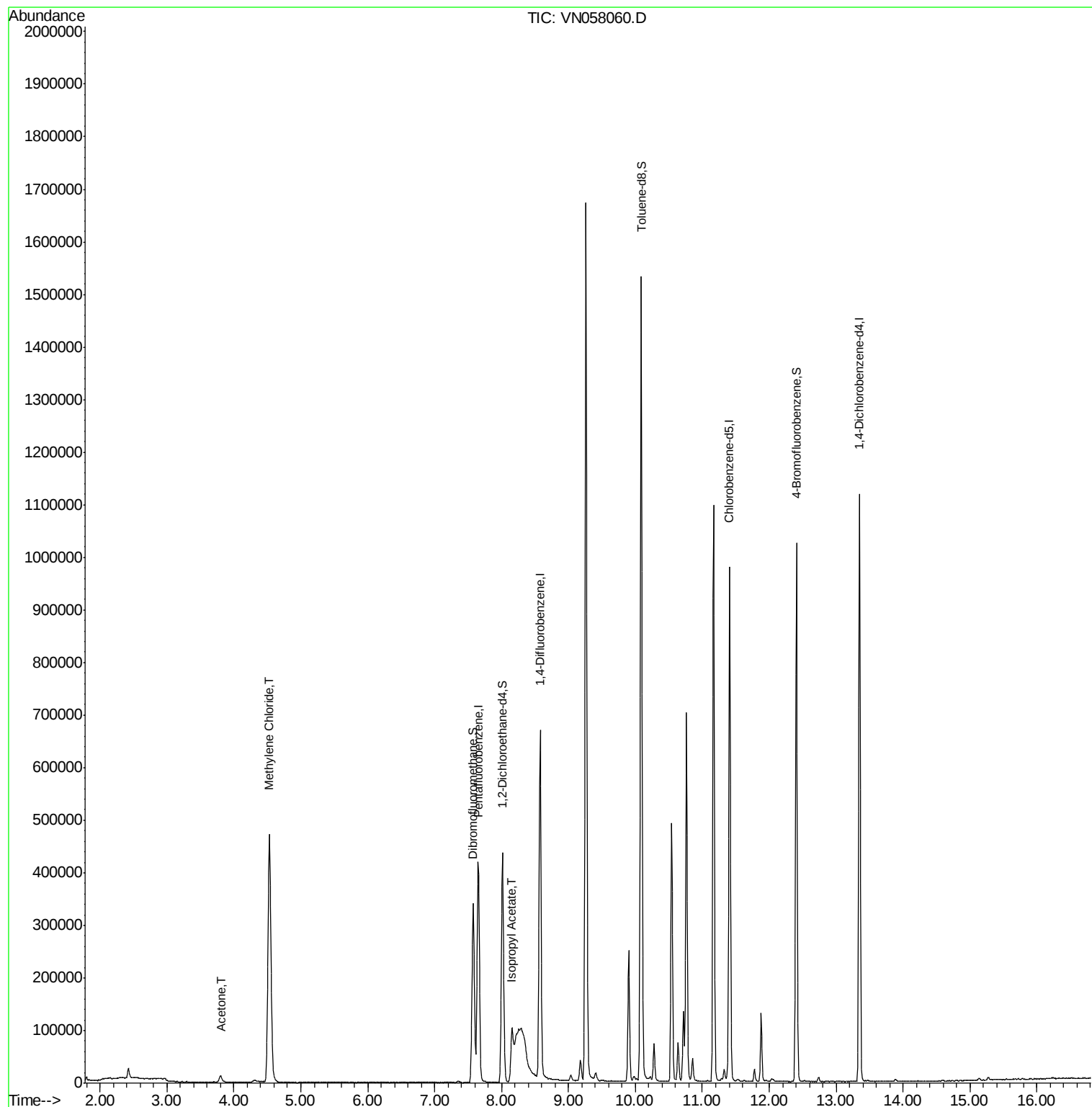
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 322649   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 568451   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 526303   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 273625   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 378962   | 57.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.98% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 259120   | 49.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.78%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1038410  | 50.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.96% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 340703   | 43.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.78%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 20305    | 9.478  | ug/l #  | 88       |
| 20) Methylene Chloride      | 4.53  | 84   | 345644   | 85.629 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 139319   | 12.163 | ug/l #  | 80       |

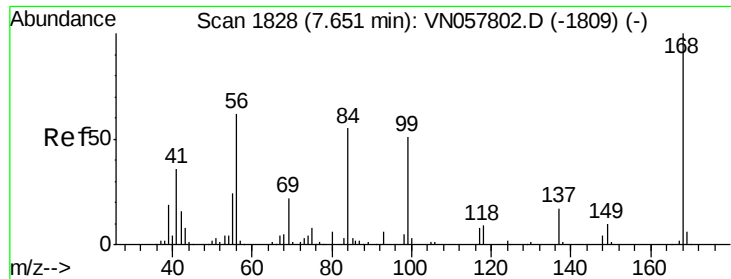
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
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Instrument :  
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P66-LINDEN-GEN-SP

Quant Time: Sep 16 05:36:54 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# 1829

Delta R.T. 0.00 min

Lab File: VN058060.D

Acq: 14 Sep 2019 8:33

Instrument :

MSVOA\_N

ClientSampleId :

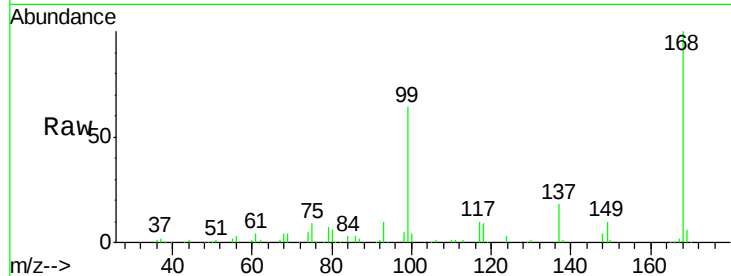
P66-LINDEN-GEN-SP

Tot Ion:168 Resp: 322649

Ion Ratio Lower Upper

168 100

99 63.7 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

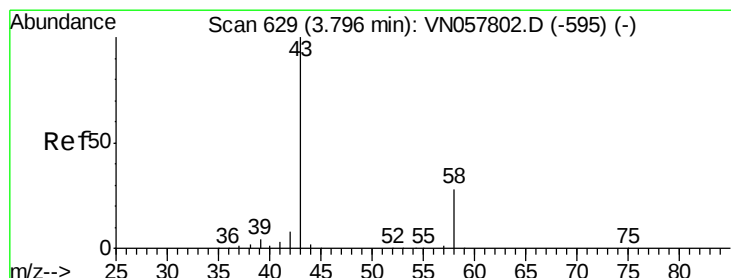
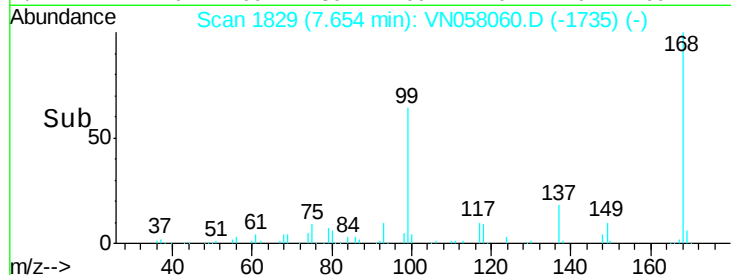
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 9.478 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058060.D

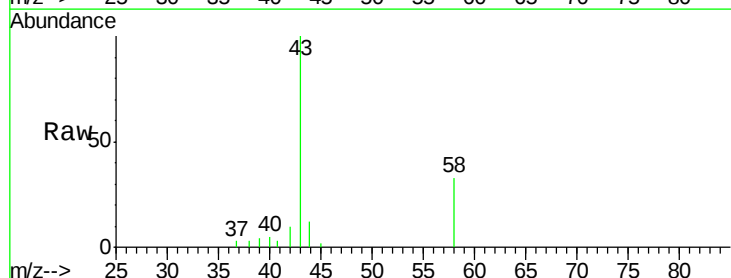
Acq: 14 Sep 2019 8:33

Tgt Ion: 43 Resp: 20305

Ion Ratio Lower Upper

43 100

58 33.9 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

8000

6000

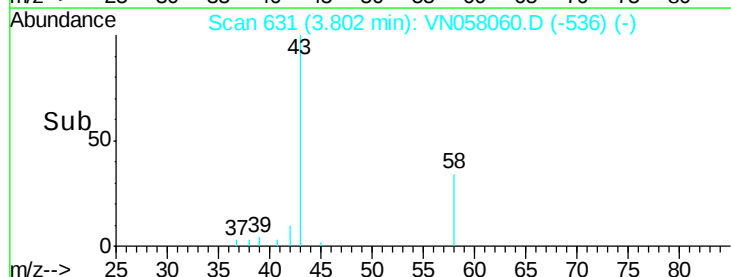
4000

2000

0

3.70 3.75 3.80 3.85 3.90

Time-->

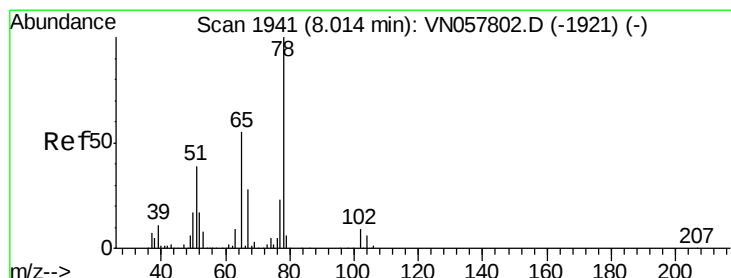
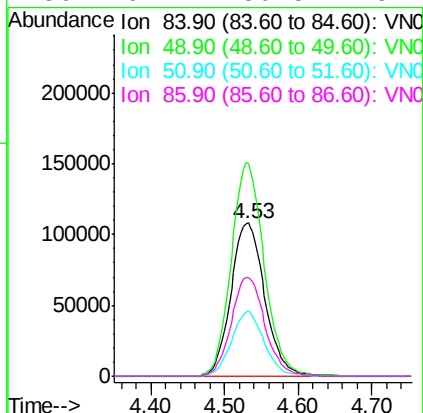
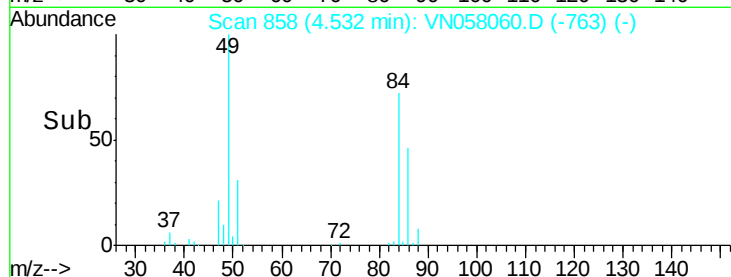
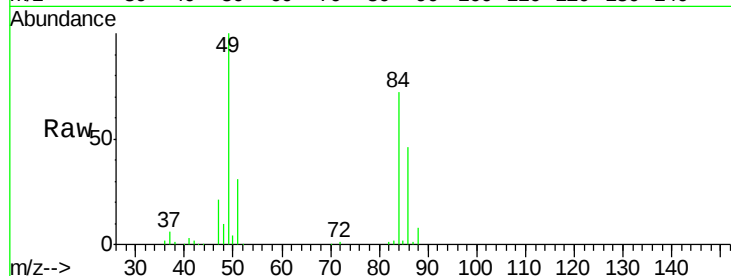




#20  
Methylene Chloride  
Concen: 85.629 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: VN058060.D  
Acq: 14 Sep 2019 8:33

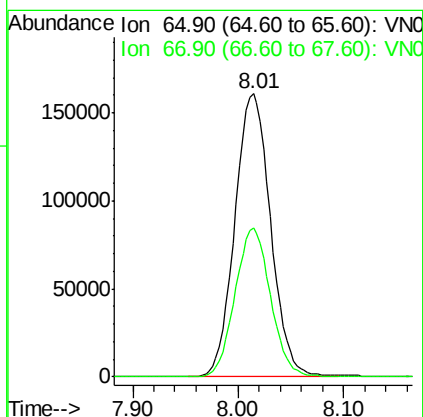
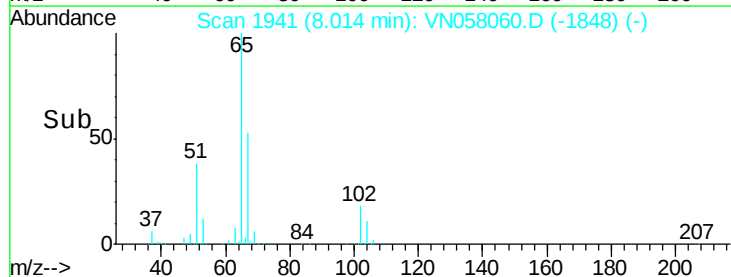
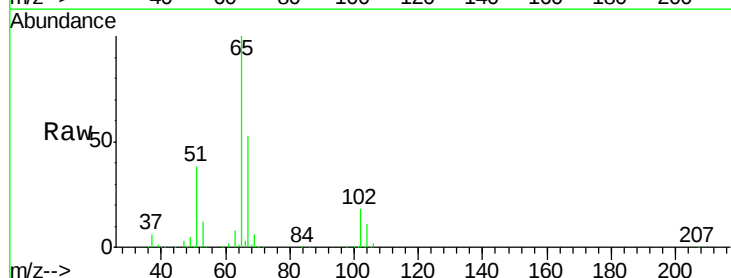
Instrument :  
MSVOA\_N  
ClientSampleId :  
P66-LINDEN-GEN-SP

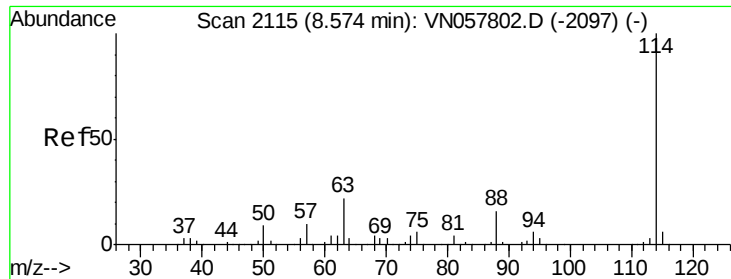
Tot Ion: 84 Resp: 345644  
Ion Ratio Lower Upper  
84 100  
49 138.8 104.8 157.2  
51 42.9 33.0 49.4  
86 64.4 50.5 75.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.990 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058060.D  
Acq: 14 Sep 2019 8:33

Tgt Ion: 65 Resp: 378962  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 104.0

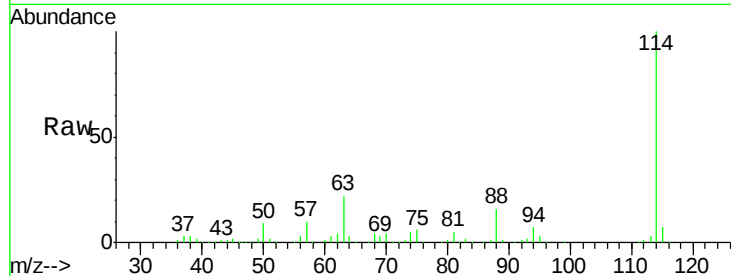




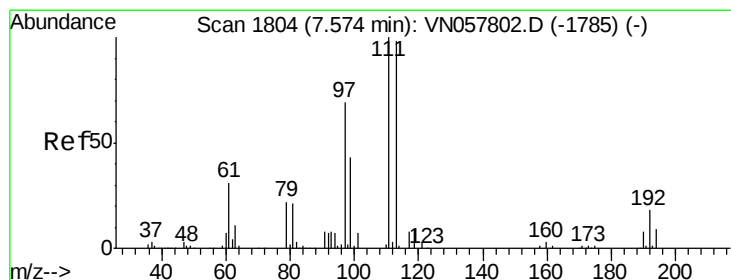
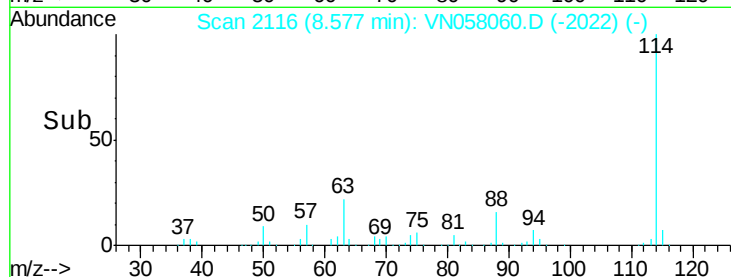
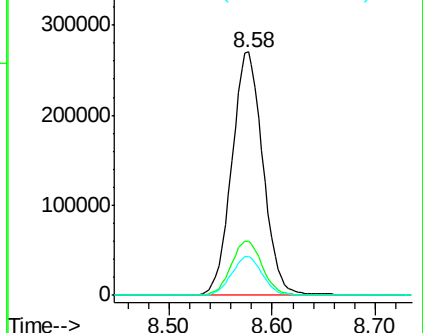
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058060.D  
 Acq: 14 Sep 2019 8:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P66-LINDEN-GEN-SP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.3  | 0.0   | 44.0  |
| 88      | 16.2  | 0.0   | 31.4  |

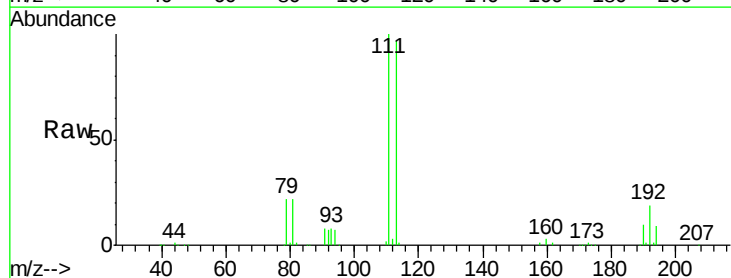


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

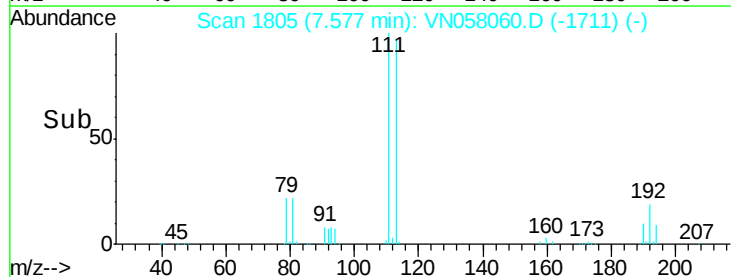
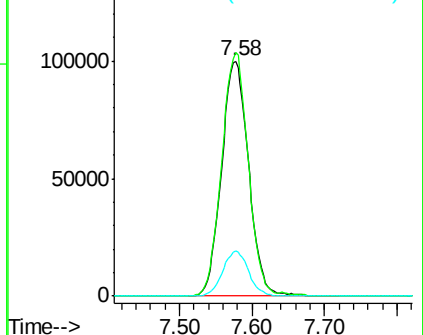


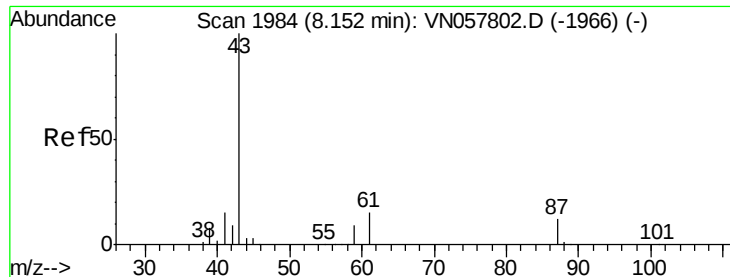
#35  
 Dibromofluoromethane  
 Concen: 49.388 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058060.D  
 Acq: 14 Sep 2019 8:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 81.3  | 121.9 |
| 192     | 18.3  | 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: 12.163 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058060.D

Acq: 14 Sep 2019 8:33

Instrument :

MSVOA\_N

ClientSampleId :

P66-LINDEN-GEN-SP

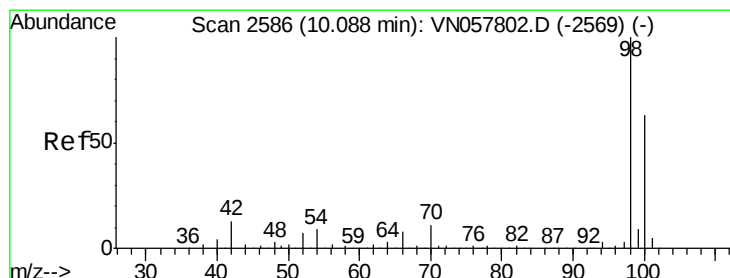
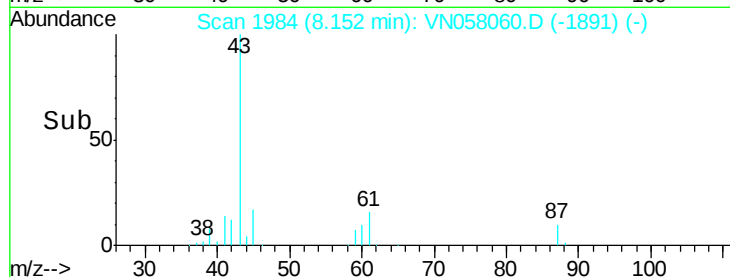
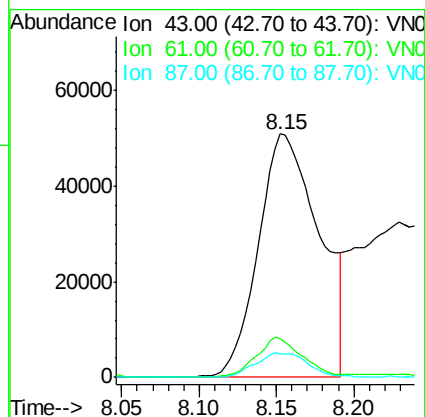
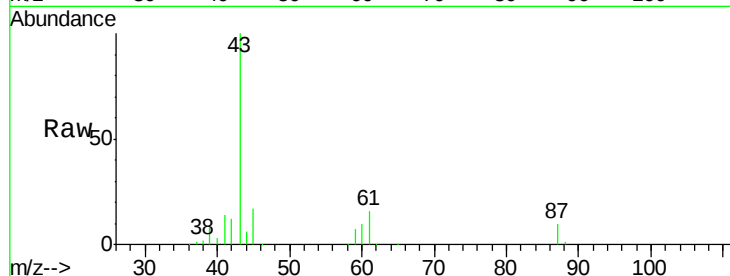
Tot Ion: 43 Resp: 139319

Ion Ratio Lower Upper

43 100

61 12.6 20.1 30.1#

87 8.7 9.5 14.3#



#50

Toluene-d8

Concen: 50.977 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058060.D

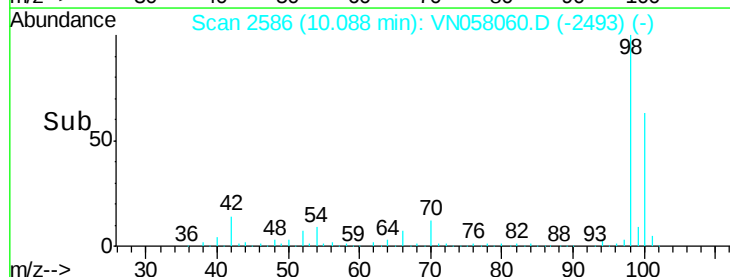
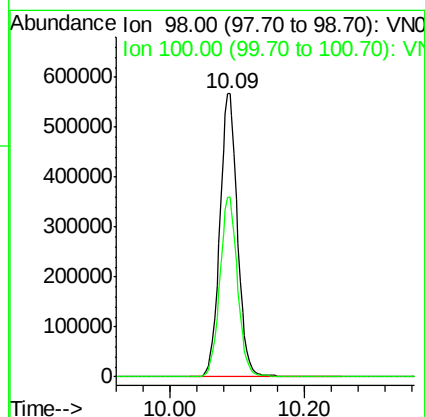
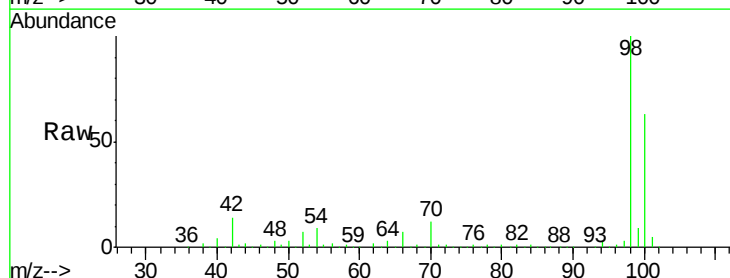
Acq: 14 Sep 2019 8:33

Tgt Ion: 98 Resp: 1038410

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 43.889 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058060.D

Acq: 14 Sep 2019 8:33

Instrument :

MSVOA\_N

ClientSampleId :

P66-LINDEN-GEN-SP

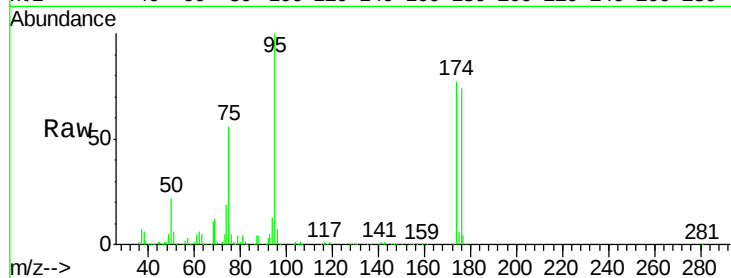
Tot Ion: 95 Resp: 340703

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

176 73.1 0.0 146.0

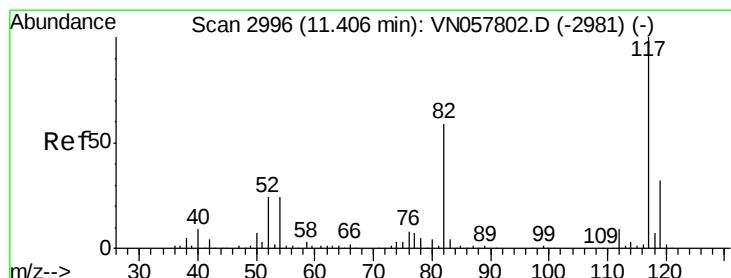
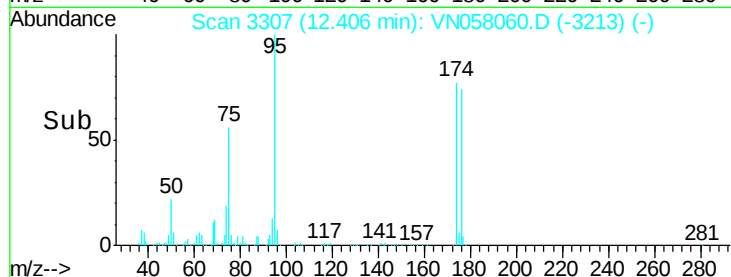
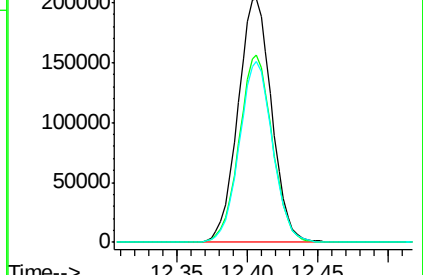


Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

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

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

12.41



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058060.D

Acq: 14 Sep 2019 8:33

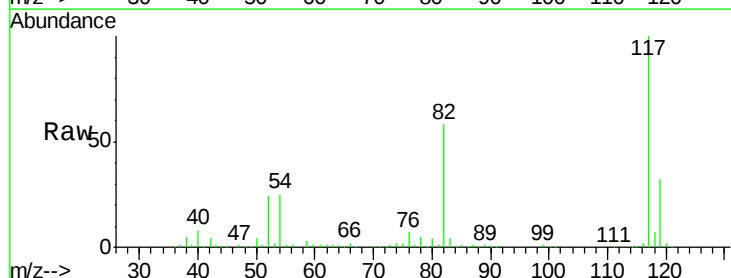
Tgt Ion: 117 Resp: 526303

Ion Ratio Lower Upper

117 100

82 58.5 47.2 70.8

119 31.8 25.3 37.9

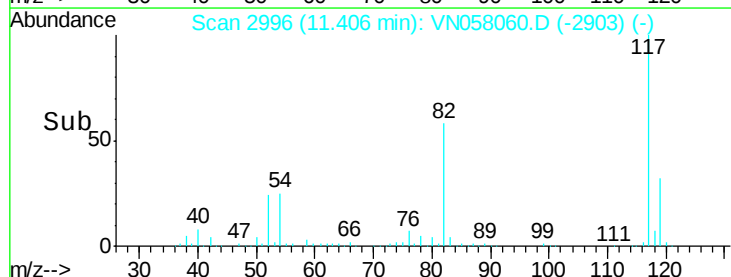
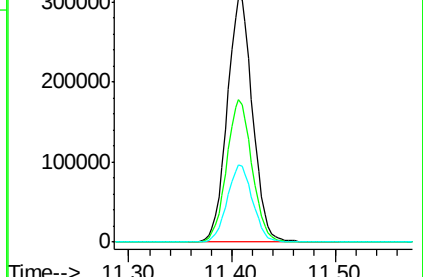


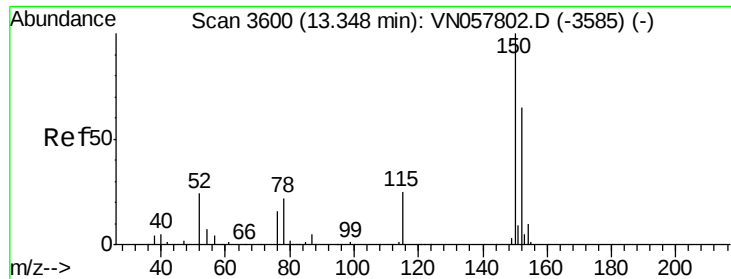
Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058060.D

Acq: 14 Sep 2019 8:33

Instrument :

MSVOA\_N

ClientSampleId :

P66-LINDEN-GEN-SP

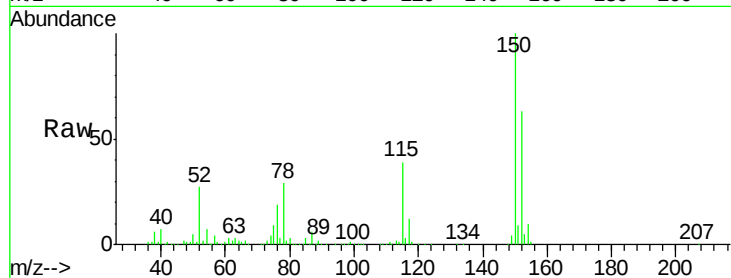
Tot Ion:152 Resp: 273625

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

150 157.1 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

