

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
 Data File : VN056727.D  
 Acq On : 15 Jul 2019 21:51  
 Operator : JC/SP  
 Sample : VN0715WBL02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0715WBL02

Quant Time: Jul 16 05:24:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 01:25:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 266201   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 471926   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 492932   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 194680   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 154174   | 52.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.72% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 139106   | 47.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.74%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 595423   | 52.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.98% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 218511   | 57.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.24% |      |

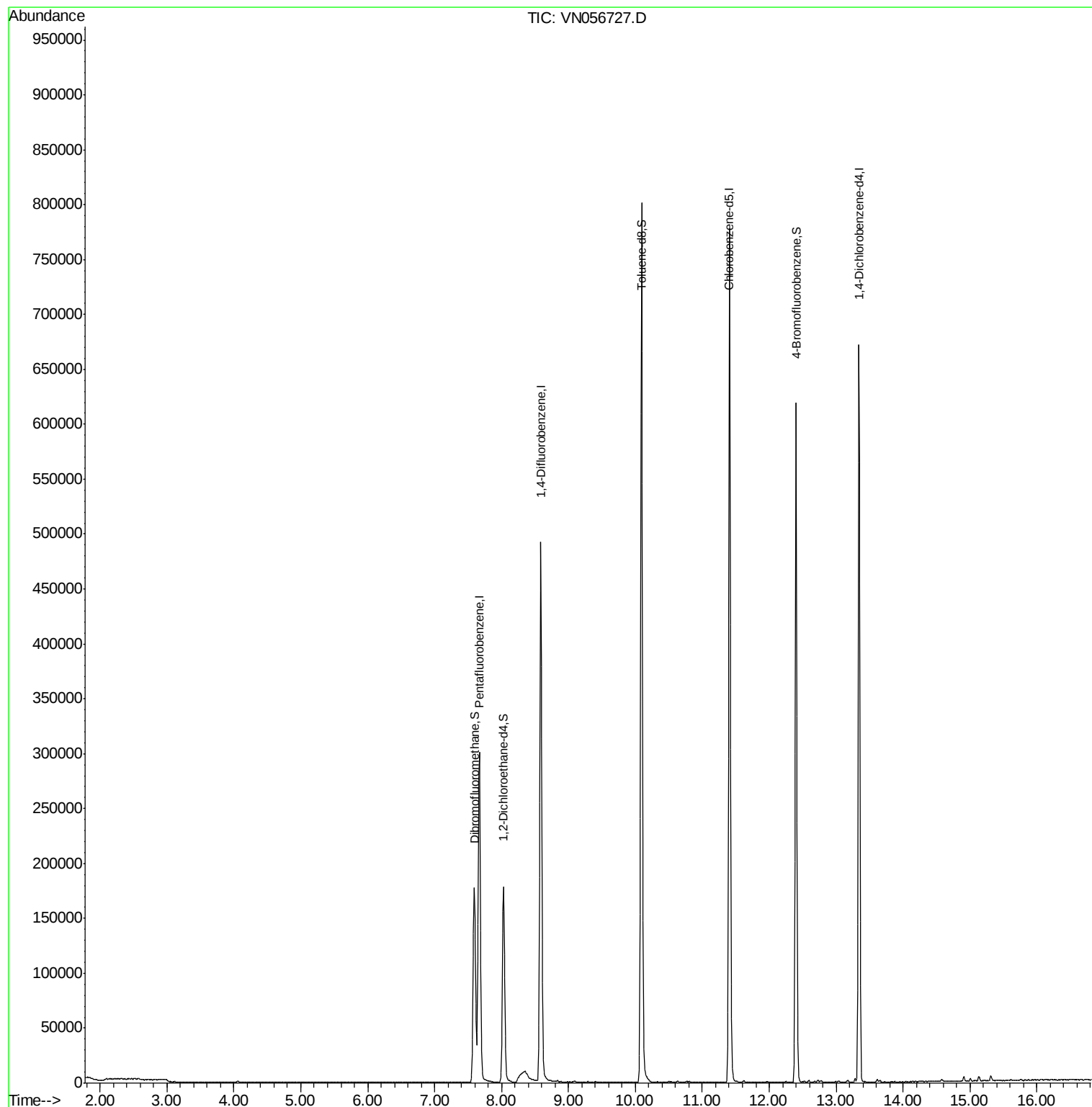
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

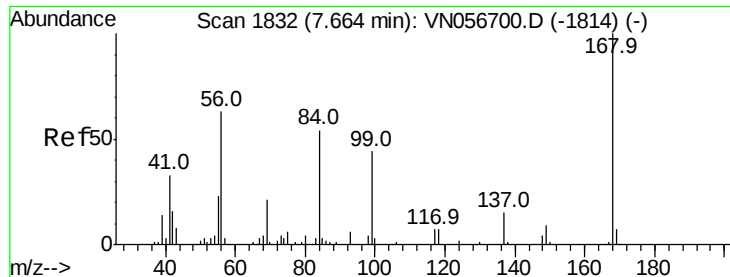
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
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Sample : VN0715WBL02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0715WBL02

Quant Time: Jul 16 05:24:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 01:25:25 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056727.D

Acq: 15 Jul 2019 21:51

Instrument :

MSVOA\_N

ClientSampleId :

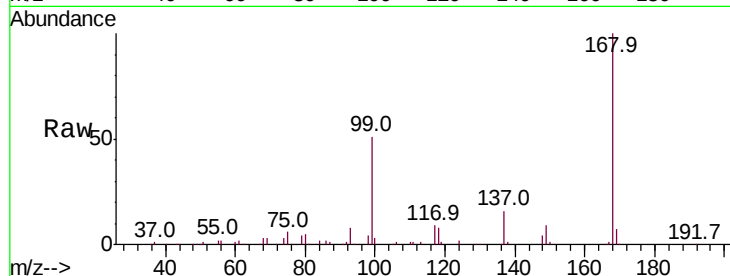
VN0715WBL02

Tot Ion:168 Resp: 266201

Ion Ratio Lower Upper

168 100

99 50.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

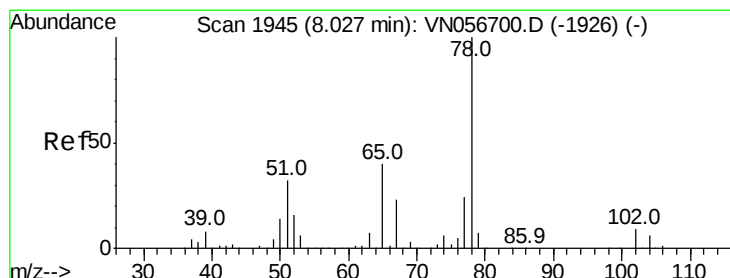
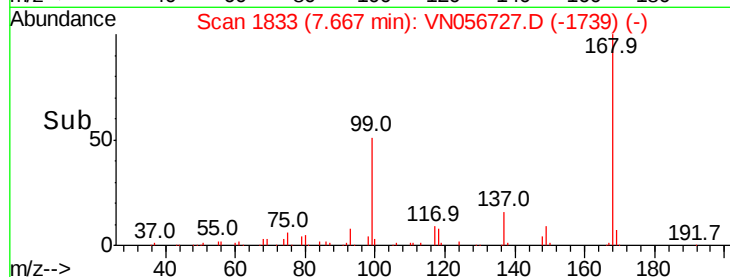
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.359 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056727.D

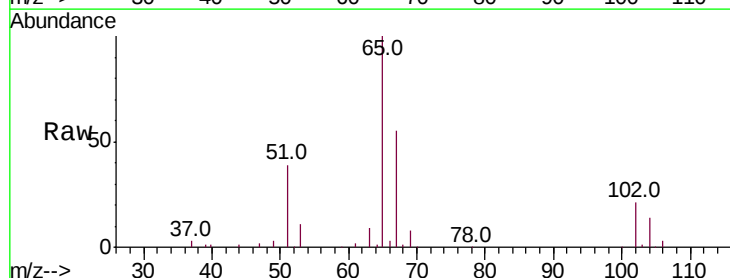
Acq: 15 Jul 2019 21:51

Tgt Ion: 65 Resp: 154174

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

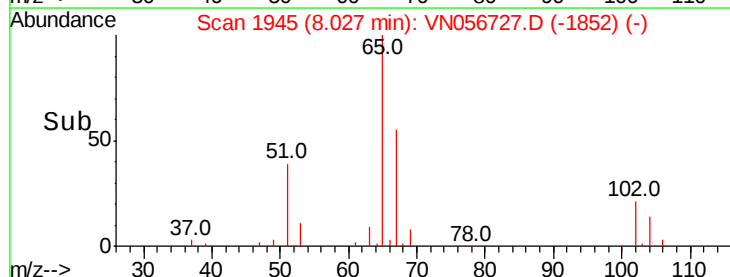
60000

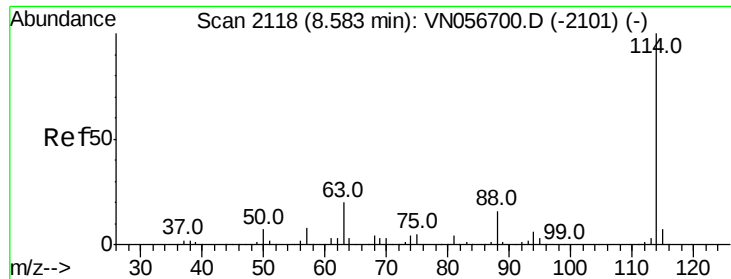
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20000

0

Time-->

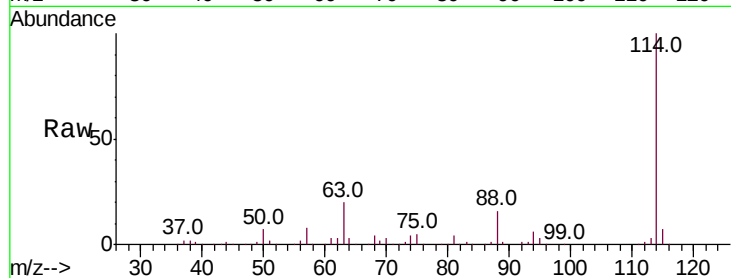




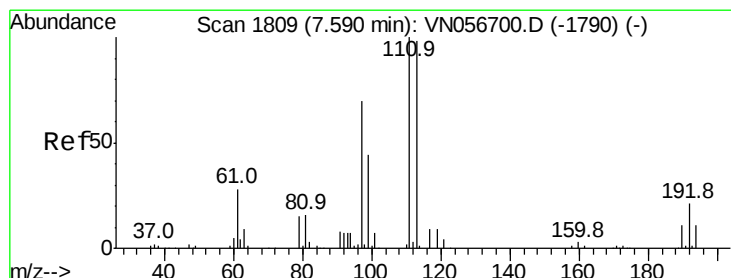
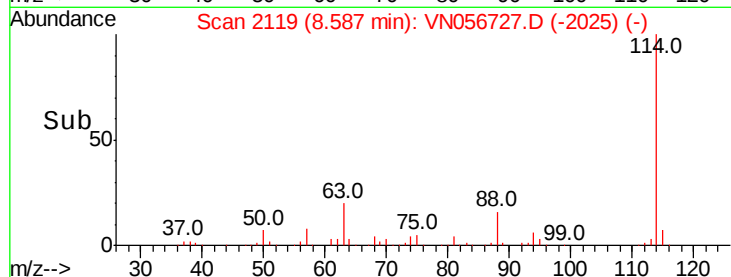
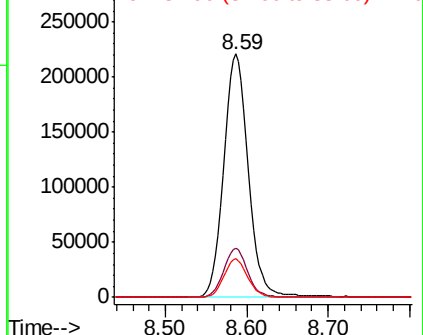
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056727.D  
 Acq: 15 Jul 2019 21:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0715WBL02

Tot Ion:114 Resp: 471926  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 39.4  
 88 15.7 0.0 31.2

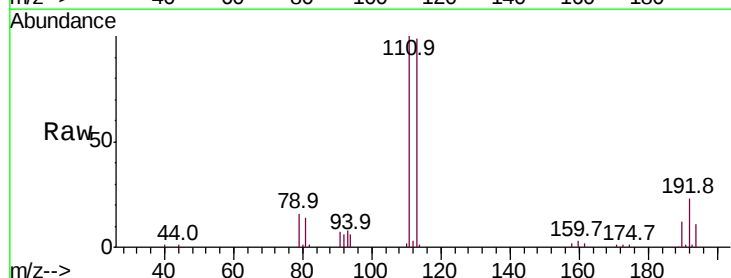


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

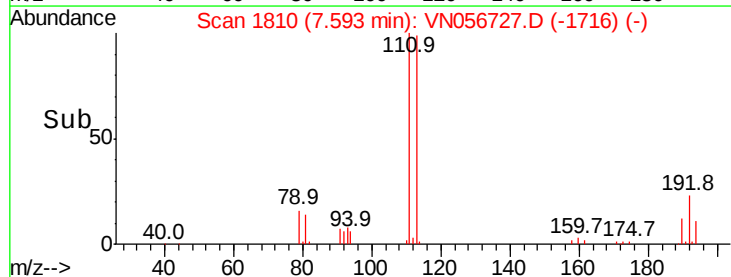
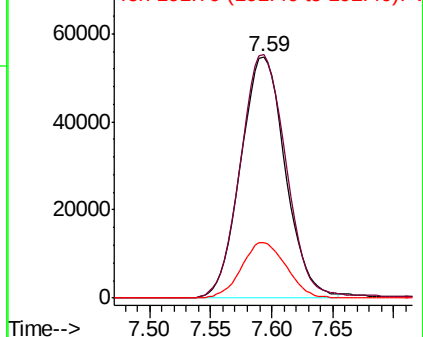


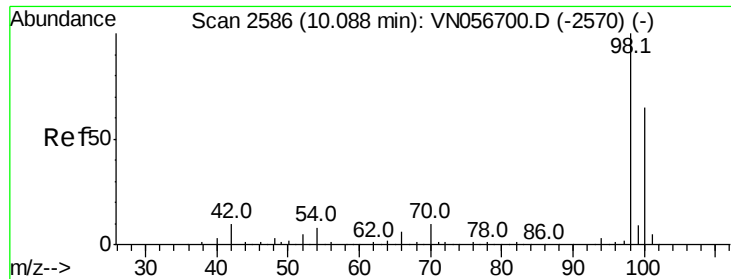
#35  
 Dibromofluoromethane  
 Concen: 47.365 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN056727.D  
 Acq: 15 Jul 2019 21:51

Tgt Ion:113 Resp: 139106  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.8 122.6  
 192 23.1 17.5 26.3



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





#50

Toluene-d8

Concen: 52.493 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056727.D

Acq: 15 Jul 2019 21:51

Instrument :

MSVOA\_N

ClientSampleId :

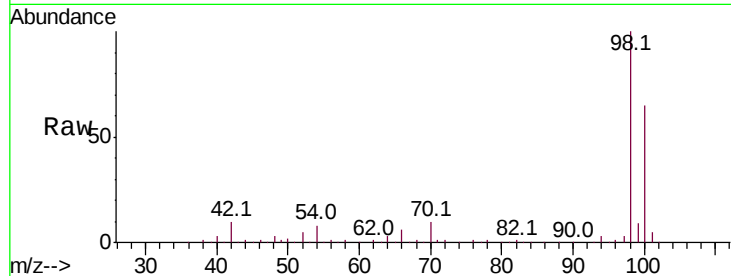
VN0715WBL02

Tot Ion: 98 Resp: 595423

Ion Ratio Lower Upper

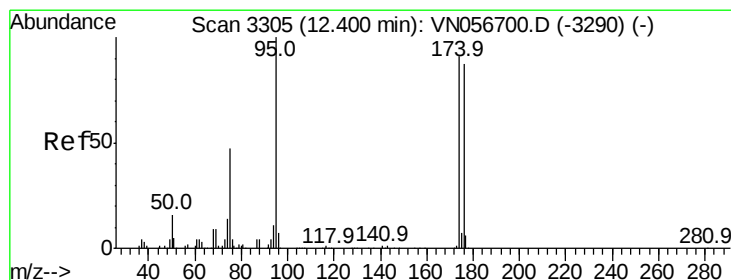
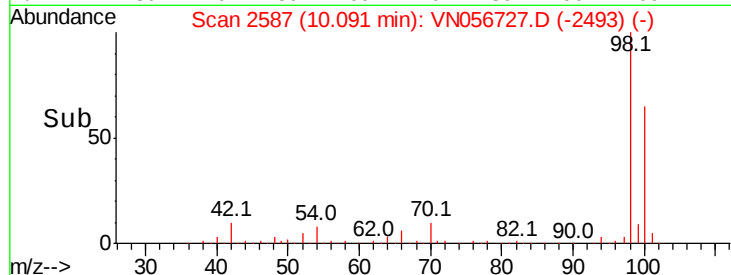
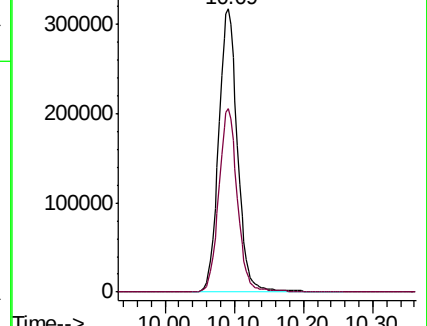
98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 57.124 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056727.D

Acq: 15 Jul 2019 21:51

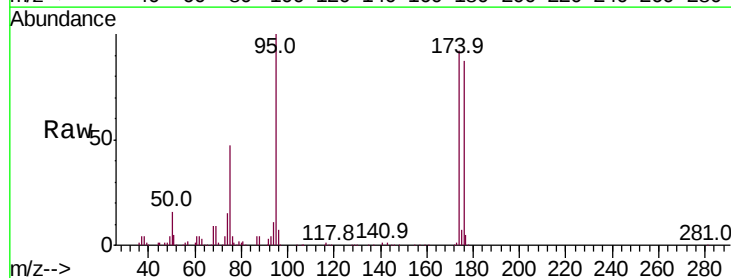
Tgt Ion: 95 Resp: 218511

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.0

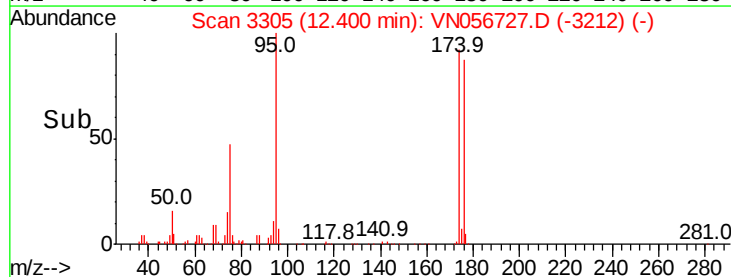
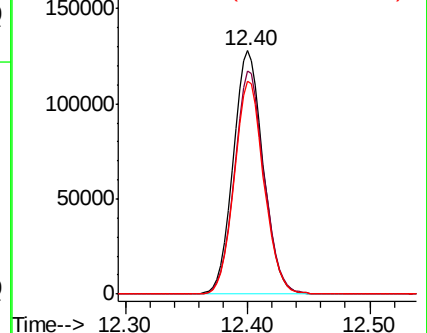
176 86.8 0.0 173.2

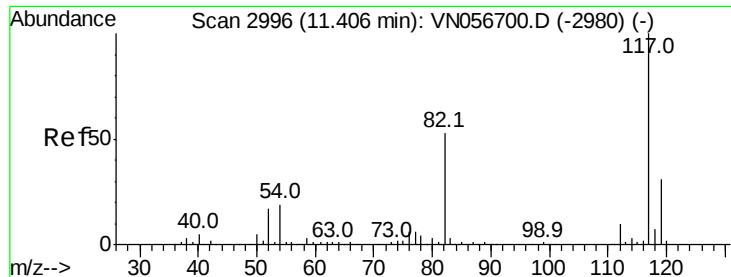


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

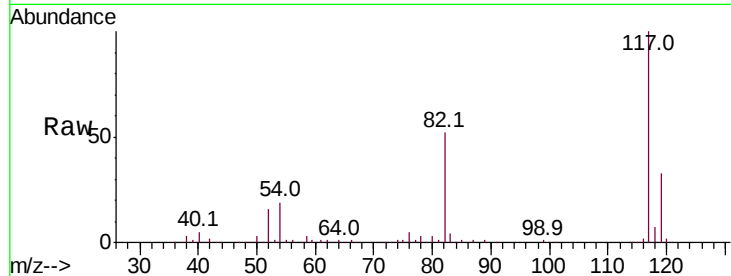




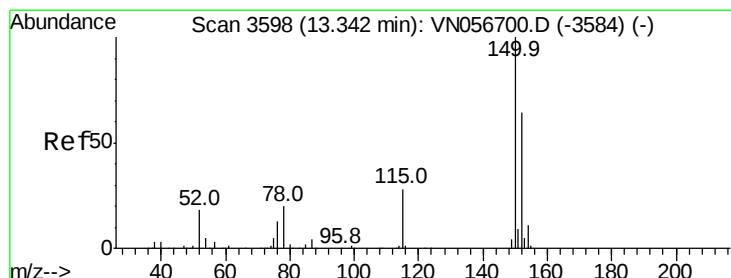
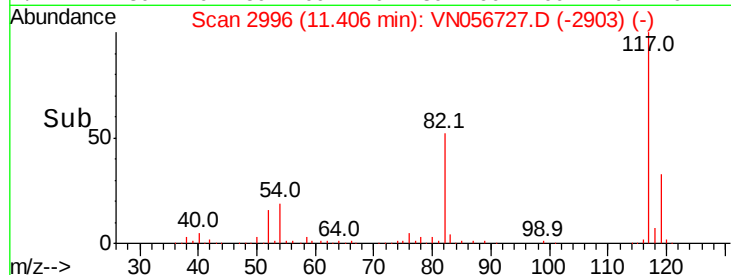
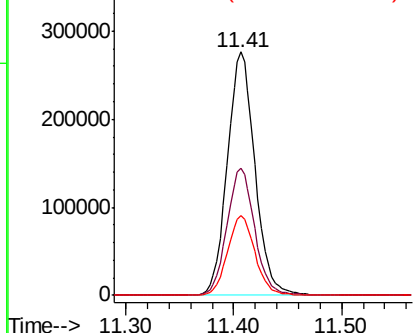
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056727.D  
Acq: 15 Jul 2019 21:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0715WBL02

Tot Ion:117 Resp: 492932  
Ion Ratio Lower Upper  
117 100  
82 52.1 42.2 63.2  
119 32.5 25.2 37.8

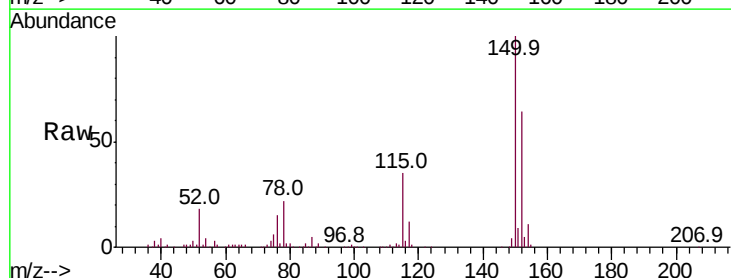


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056727.D  
Acq: 15 Jul 2019 21:51

Tgt Ion:152 Resp: 194680  
Ion Ratio Lower Upper  
152 100  
115 55.3 28.2 84.7  
150 157.2 0.0 345.8



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

