

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN090120\  
 Data File : VN063156.D  
 Acq On : 1 Sep 2020 15:34  
 Operator : JC/MD  
 Sample : VN0901MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0901MBL01

Quant Time: Sep 02 04:22:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 01 04:21:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 403760   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 783389   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 749322   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 301014   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.98   | 65  | 320115   | 48.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.00%  |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 247205   | 49.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.38%  |      |
| 50) Toluene-d8              | 10.06  | 98  | 975947   | 50.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.90% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 351144   | 51.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.78% |      |

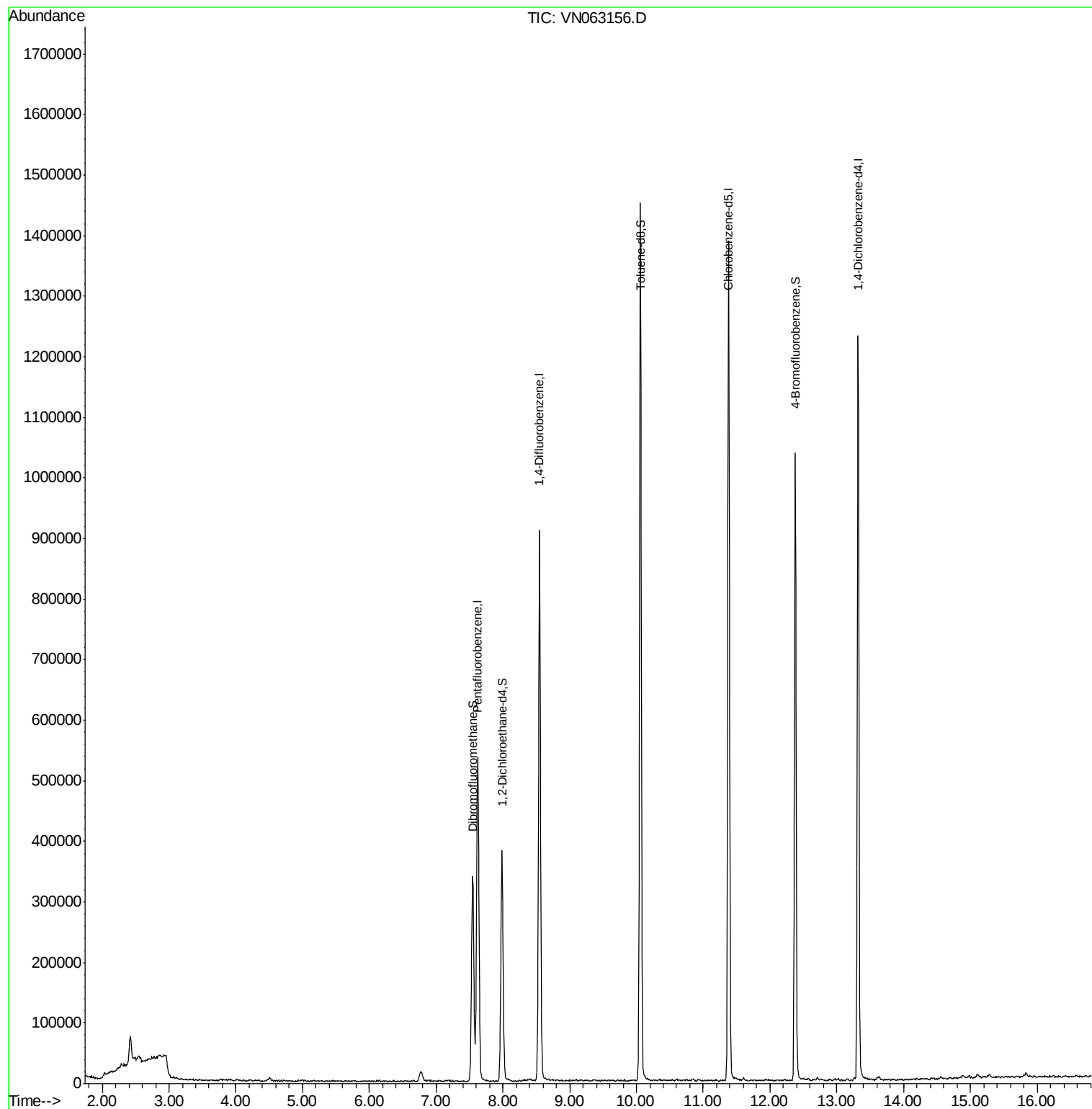
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

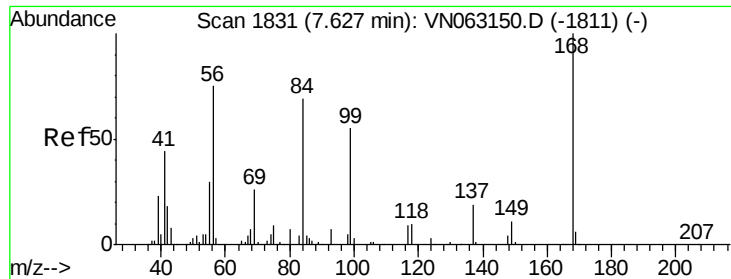
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090120\  
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Sample : VN0901MBL01  
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0901MBL01

Quant Time: Sep 02 04:22:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 01 04:21:28 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063156.D

Acq: 1 Sep 2020 15:34

Instrument :

MSVOA\_N

ClientSampleId :

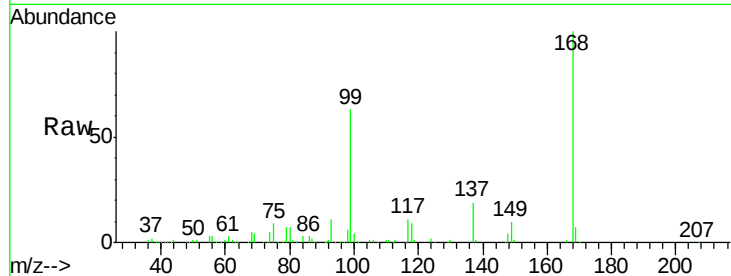
VN0901MBL01

Tot Ion:168 Resp: 403760

Ion Ratio Lower Upper

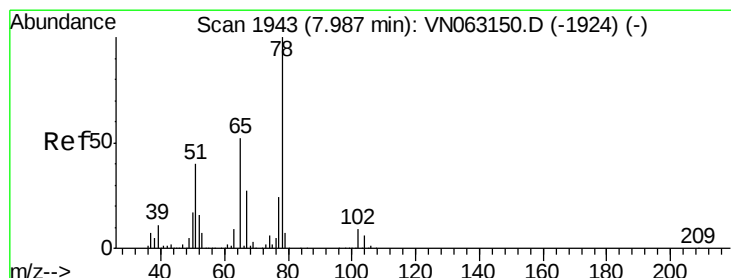
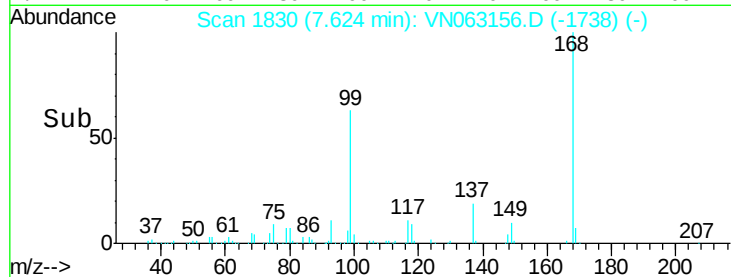
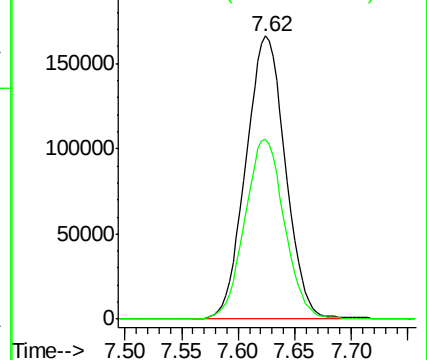
168 100

99 63.4 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.500 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063156.D

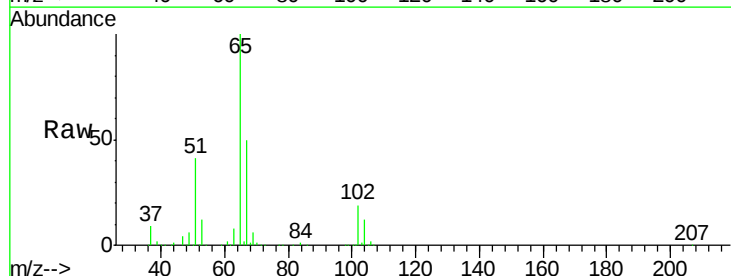
Acq: 1 Sep 2020 15:34

Tgt Ion: 65 Resp: 320115

Ion Ratio Lower Upper

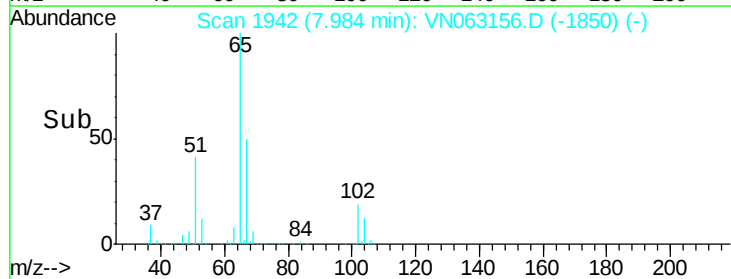
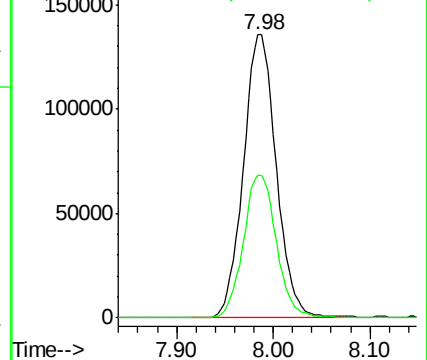
65 100

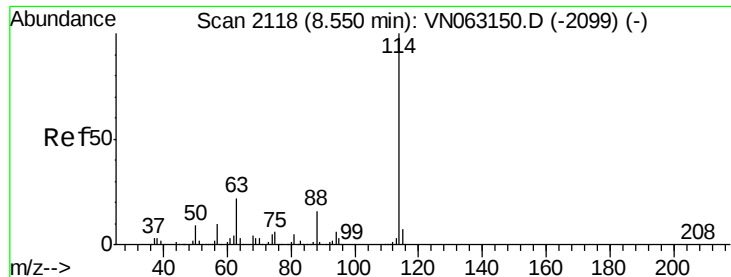
67 50.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

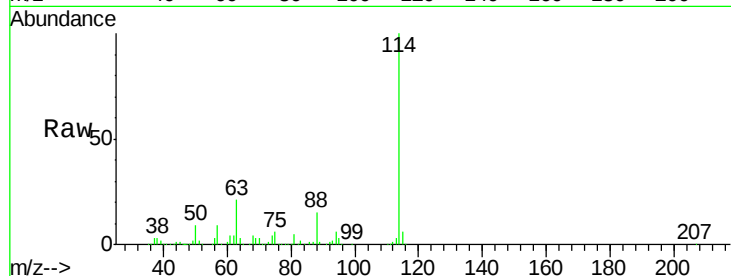




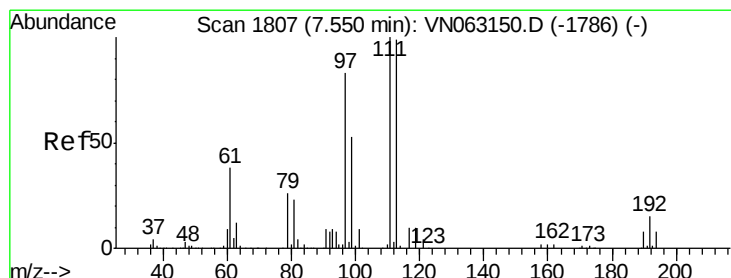
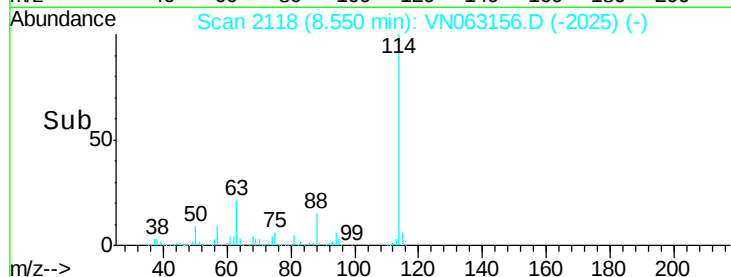
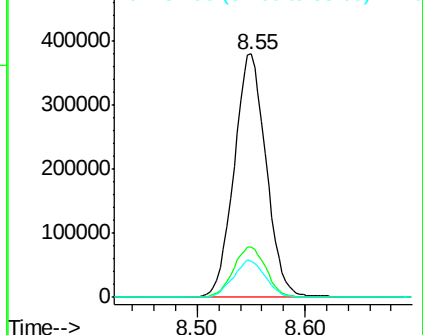
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN063156.D  
 Acq: 1 Sep 2020 15:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0901MBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.7  | 0.0   | 43.0  |
| 88      | 15.1  | 0.0   | 31.6  |

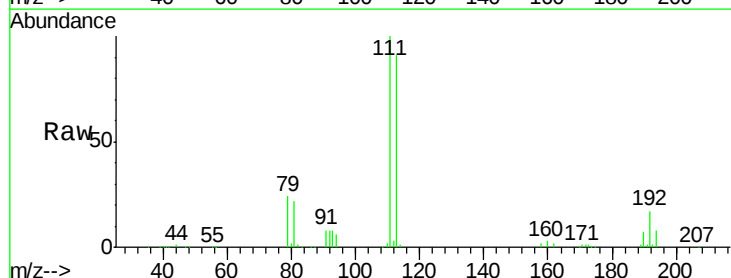


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

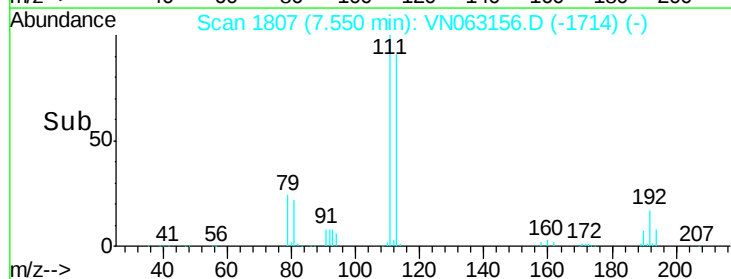
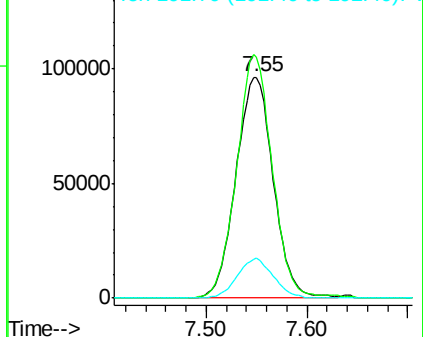


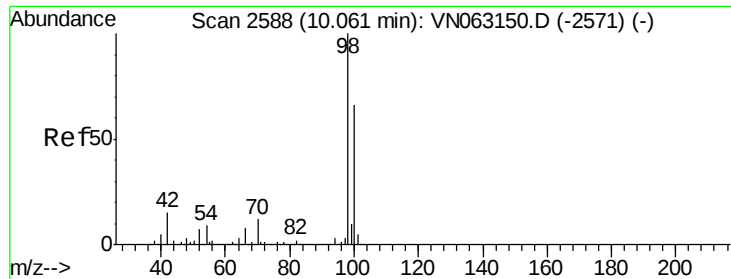
#35  
 Dibromofluoromethane  
 Concen: 49.187 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063156.D  
 Acq: 1 Sep 2020 15:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.9 | 80.7  | 121.1 |
| 192     | 17.4  | 12.6  | 19.0  |



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

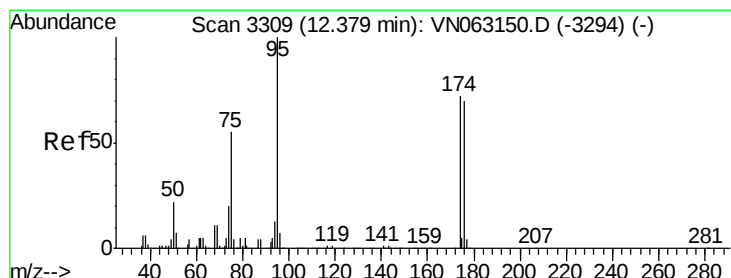
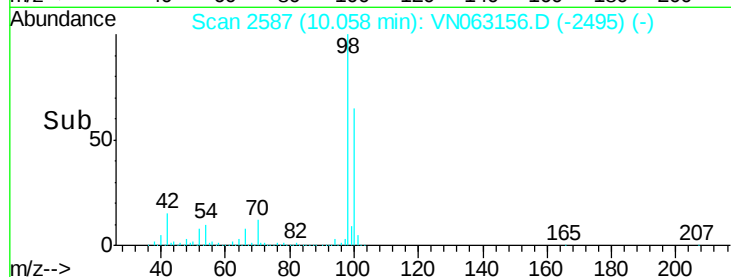
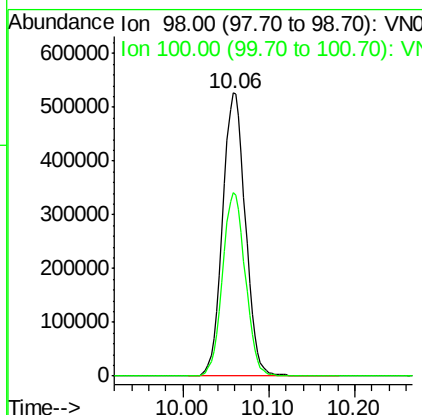
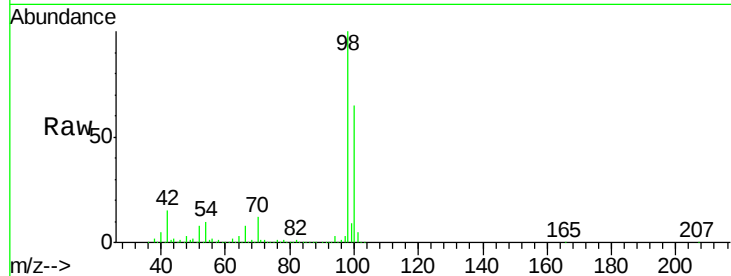




#50  
Toluene-d8  
Concen: 50.451 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN063156.D  
Acq: 1 Sep 2020 15:34

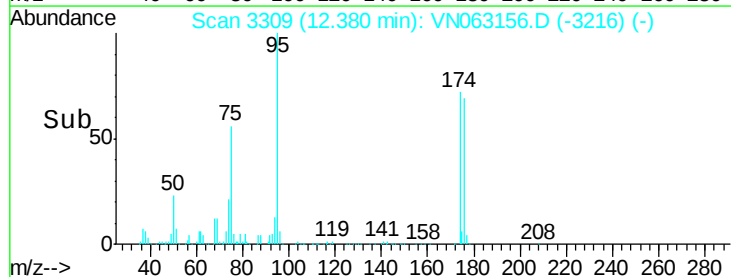
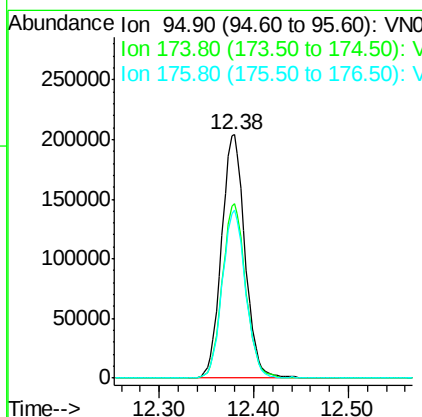
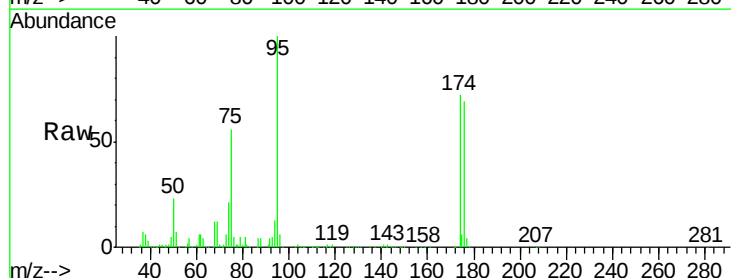
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0901MBL01

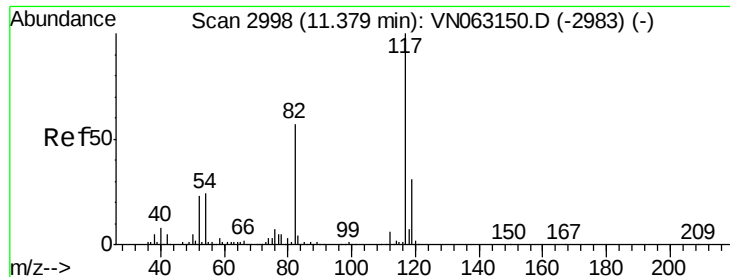
Tot Ion: 98 Resp: 975947  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 51.892 ug/l  
RT: 12.38 min Scan# 3309  
Delta R.T. 0.00 min  
Lab File: VN063156.D  
Acq: 1 Sep 2020 15:34

Tgt Ion: 95 Resp: 351144  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 143.8  
176 68.8 0.0 138.4

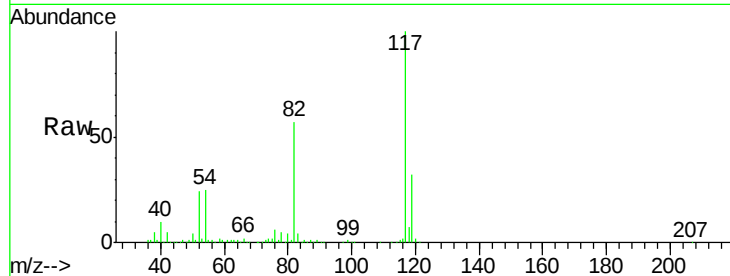




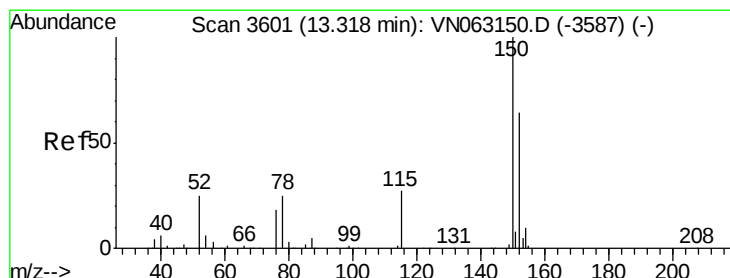
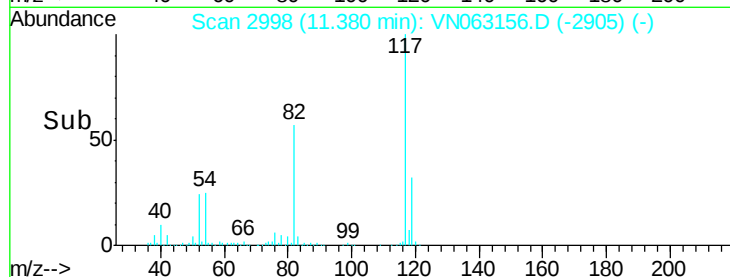
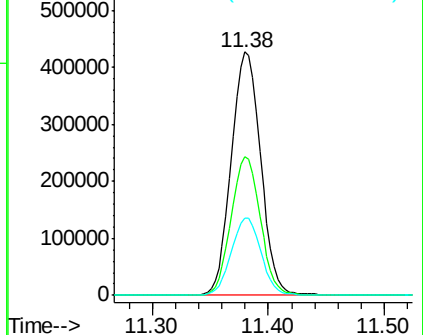
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063156.D  
Acq: 1 Sep 2020 15:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0901MBL01

Tot Ion:117 Resp: 749322  
Ion Ratio Lower Upper  
117 100  
82 57.2 45.4 68.0  
119 31.8 24.6 37.0

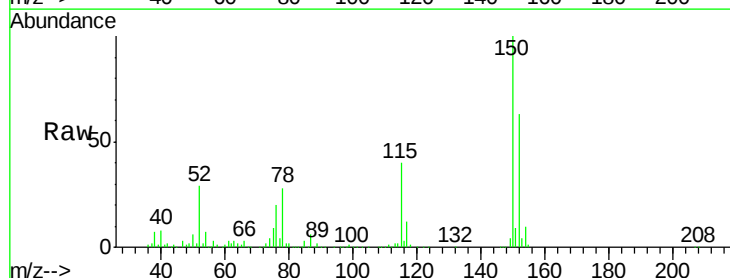


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063156.D  
Acq: 1 Sep 2020 15:34

Tgt Ion:152 Resp: 301014  
Ion Ratio Lower Upper  
152 100  
115 63.0 32.0 96.2  
150 157.9 0.0 353.0



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

