

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN021420\  
 Data File : VN060105.D  
 Acq On : 14 Feb 2020 13:02  
 Operator : JC/MD  
 Sample : L1484-01  
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-1

Quant Time: Feb 15 03:03:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 155206   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 250430   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 225695   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 104785   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 96074    | 50.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.74% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 73156    | 47.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 95.04%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 297662   | 49.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 98.20%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 106496   | 47.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 95.62%  |          |

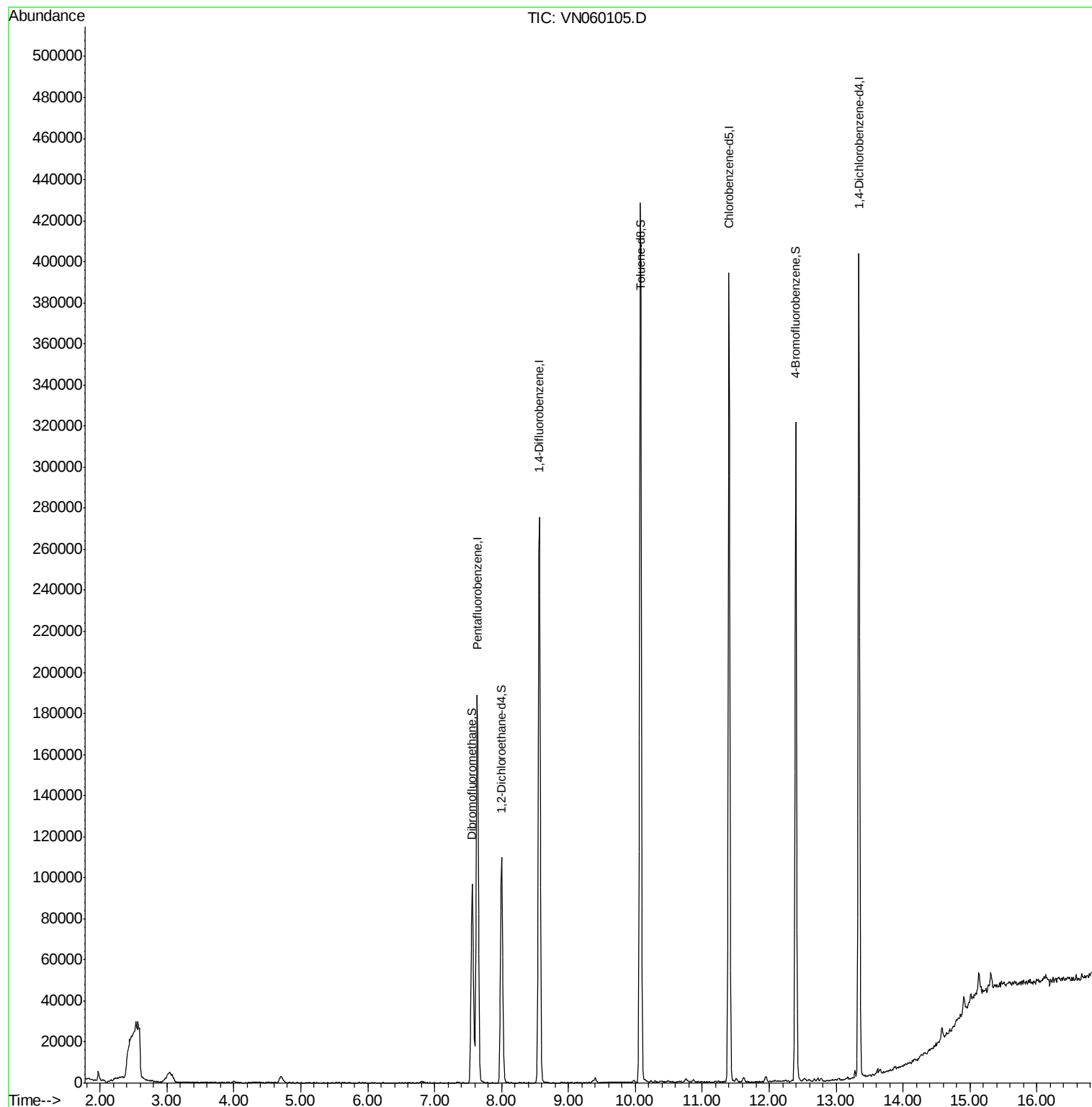
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

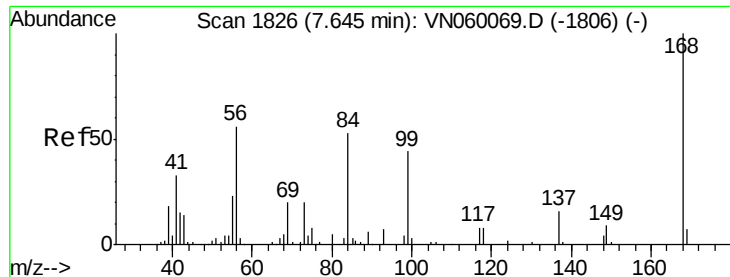
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021420\  
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SP-1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060105.D

Acq: 14 Feb 2020 13:02

Instrument :

MSVOA\_N

ClientSampleId :

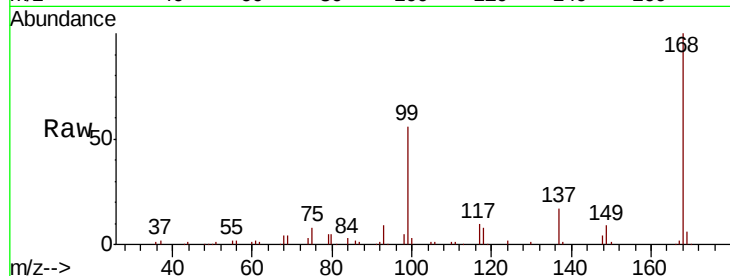
SP-1

Tot Ion:168 Resp: 155206

Ion Ratio Lower Upper

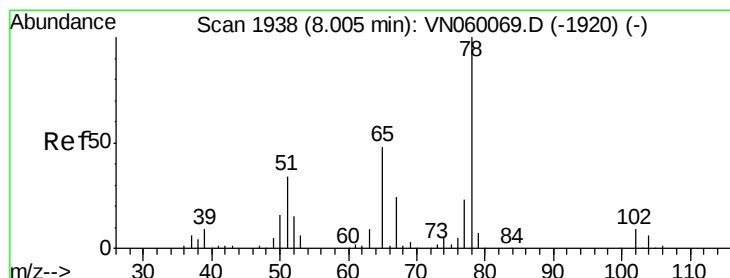
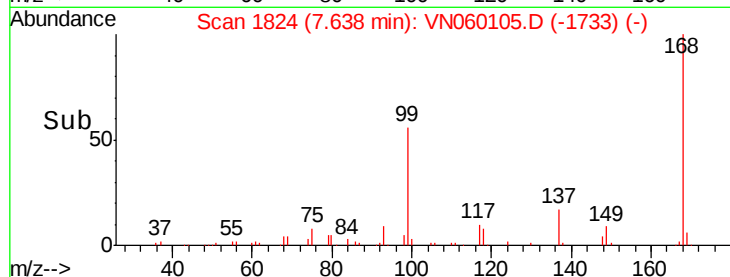
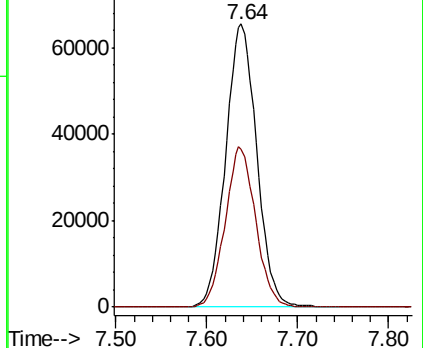
168 100

99 56.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 50.871 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VN060105.D

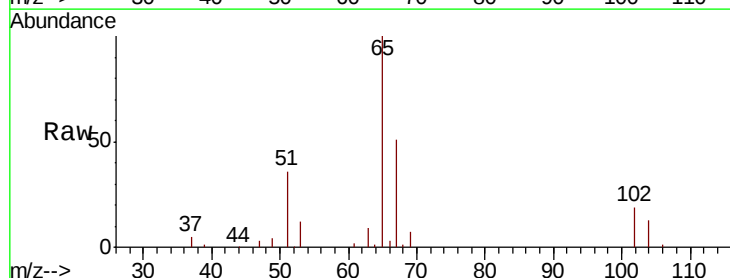
Acq: 14 Feb 2020 13:02

Tgt Ion: 65 Resp: 96074

Ion Ratio Lower Upper

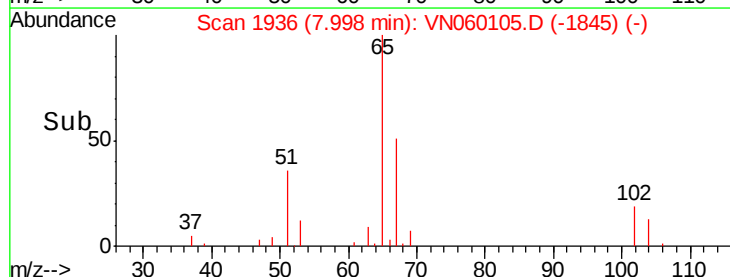
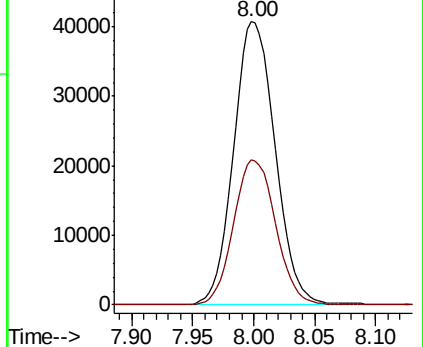
65 100

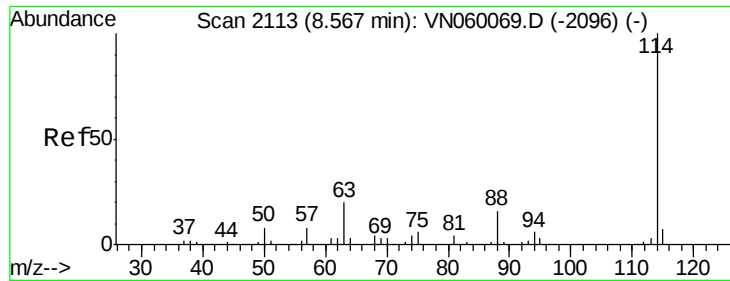
67 51.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

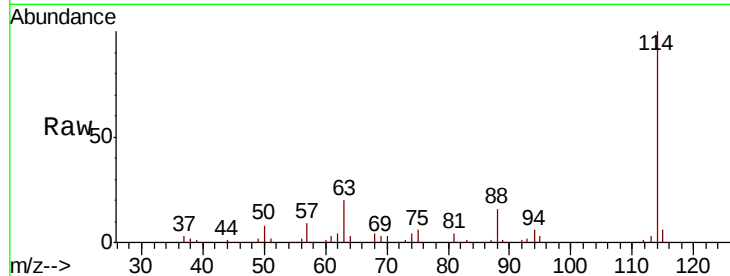




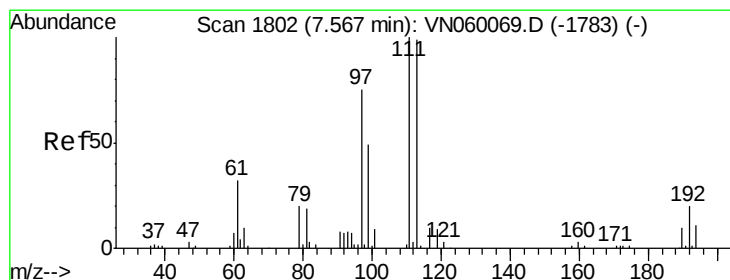
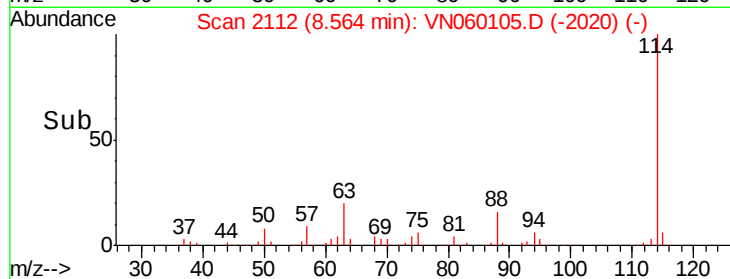
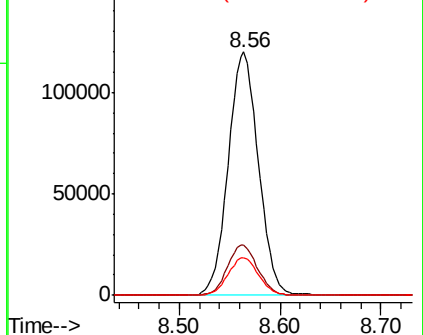
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.56 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: VN060105.D  
Acq: 14 Feb 2020 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
SP-1

Tot Ion:114 Resp: 250430  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.0  
88 15.5 0.0 31.6

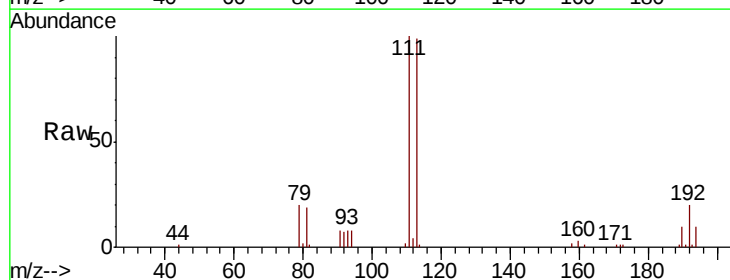


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

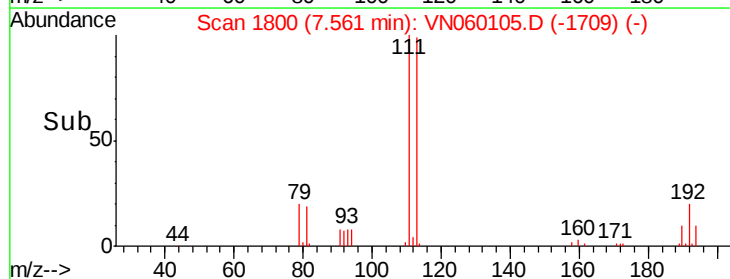
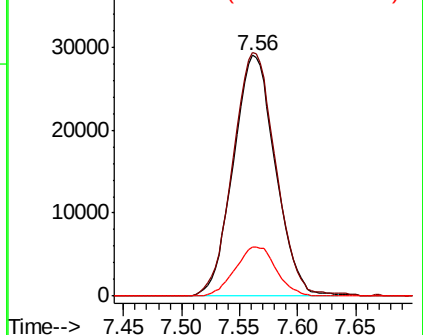


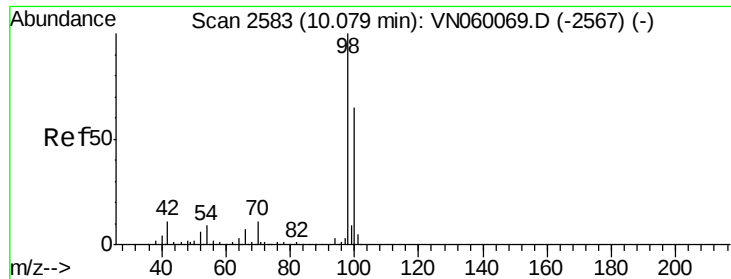
#35  
Dibromofluoromethane  
Concen: 47.523 ug/l  
RT: 7.56 min Scan# 1800  
Delta R.T. -0.01 min  
Lab File: VN060105.D  
Acq: 14 Feb 2020 13:02

Tgt Ion:113 Resp: 73156  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.4 122.2  
192 19.9 16.2 24.2



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: 49.102 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060105.D

Acq: 14 Feb 2020 13:02

Instrument :

MSVOA\_N

ClientSampled :

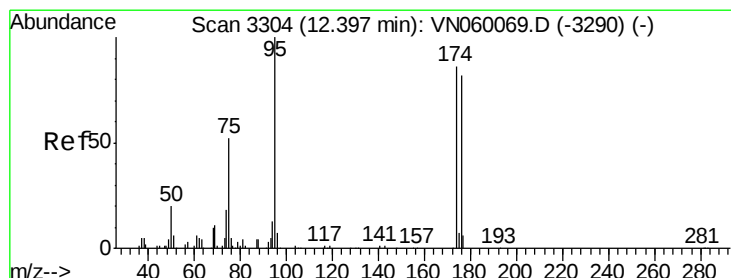
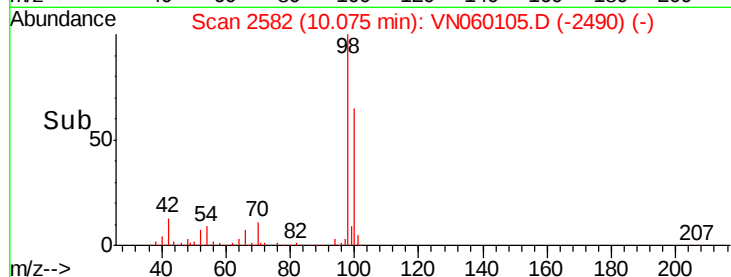
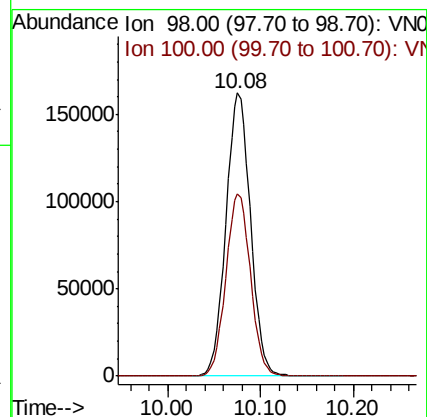
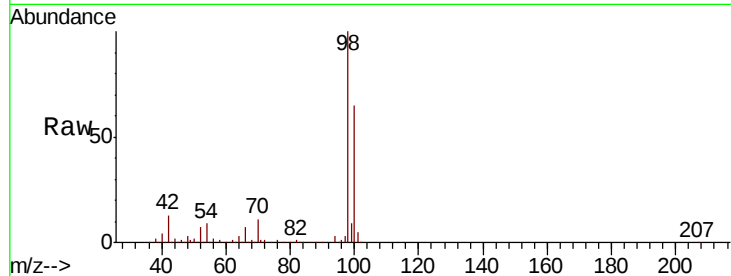
SP-1

Tot Ion: 98 Resp: 297662

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.809 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060105.D

Acq: 14 Feb 2020 13:02

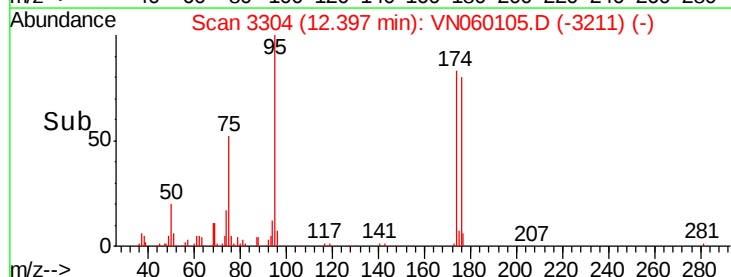
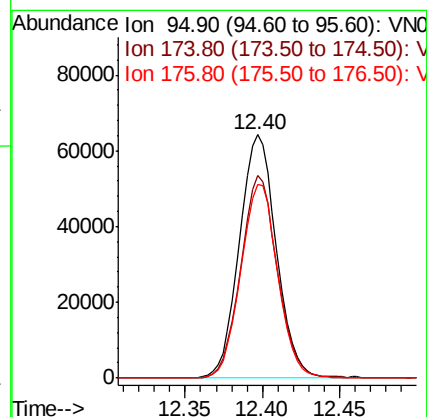
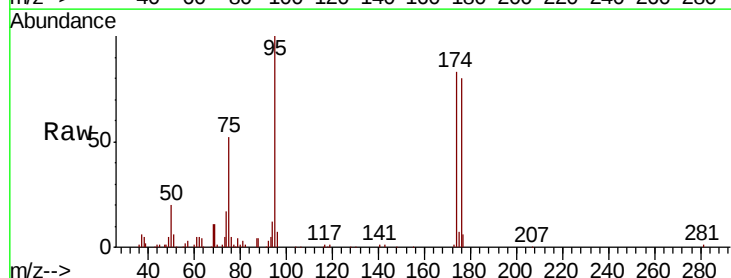
Tgt Ion: 95 Resp: 106496

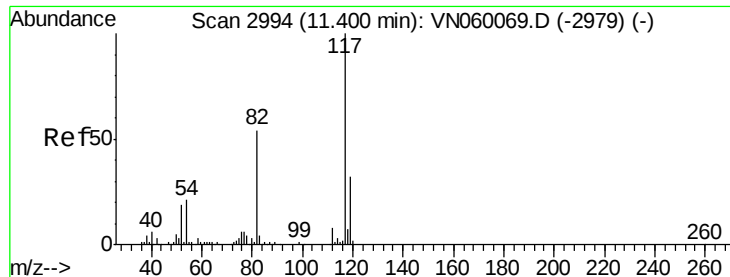
Ion Ratio Lower Upper

95 100

174 82.7 0.0 169.8

176 79.8 0.0 164.8

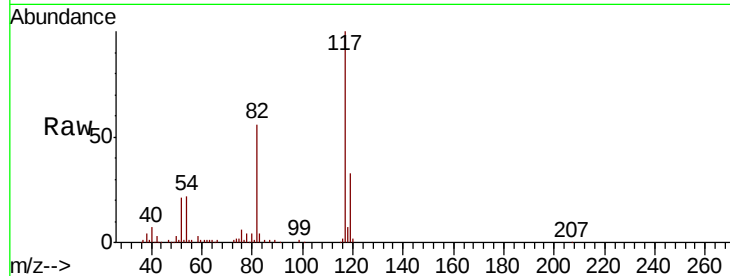




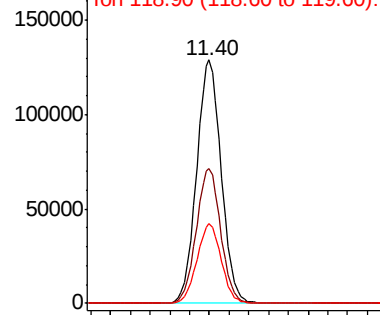
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060105.D  
Acq: 14 Feb 2020 13:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
SP-1

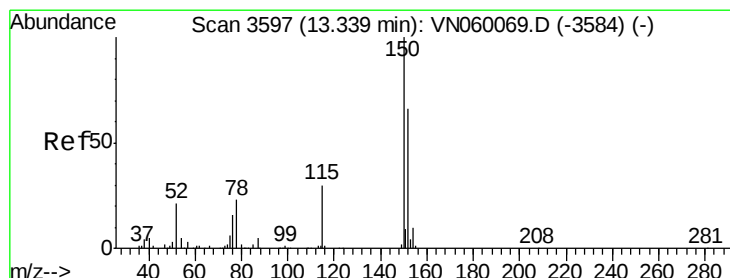
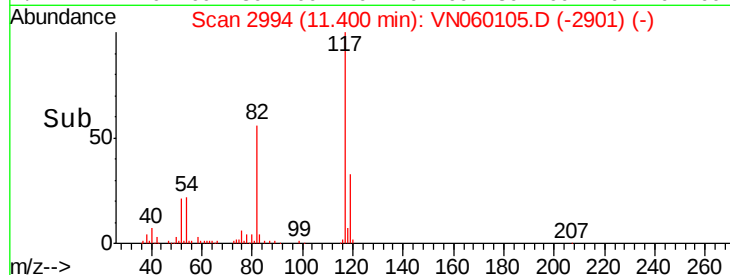
Tot Ion:117 Resp: 225695  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.4 65.0  
119 32.6 25.8 38.6



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

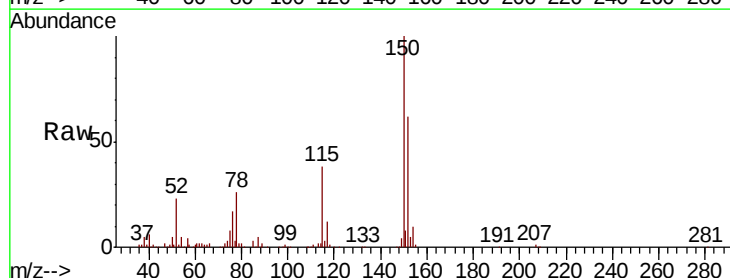


Time--> 11.30 11.40 11.50

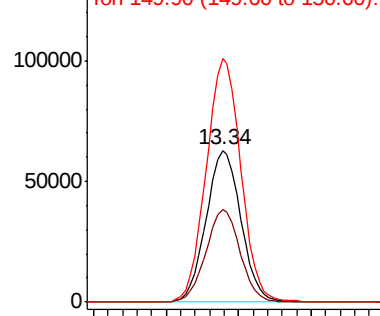


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060105.D  
Acq: 14 Feb 2020 13:02

Tgt Ion:152 Resp: 104785  
Ion Ratio Lower Upper  
152 100  
115 60.3 28.9 86.8  
150 160.4 0.0 342.4



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



Time--> 13.25 13.30 13.35 13.40

