

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN050919\  
 Data File : VN055486.D  
 Acq On : 9 May 2019 10:34  
 Operator : JC/SP  
 Sample : VN0509MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0509MBL01

Quant Time: May 09 15:33:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 04:17:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 833103   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1406360  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1158339  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 302866   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 579354   | 46.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.38% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 447798   | 49.36 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.72% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1687938  | 47.74 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.48% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 474694   | 39.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 79.64% |      |

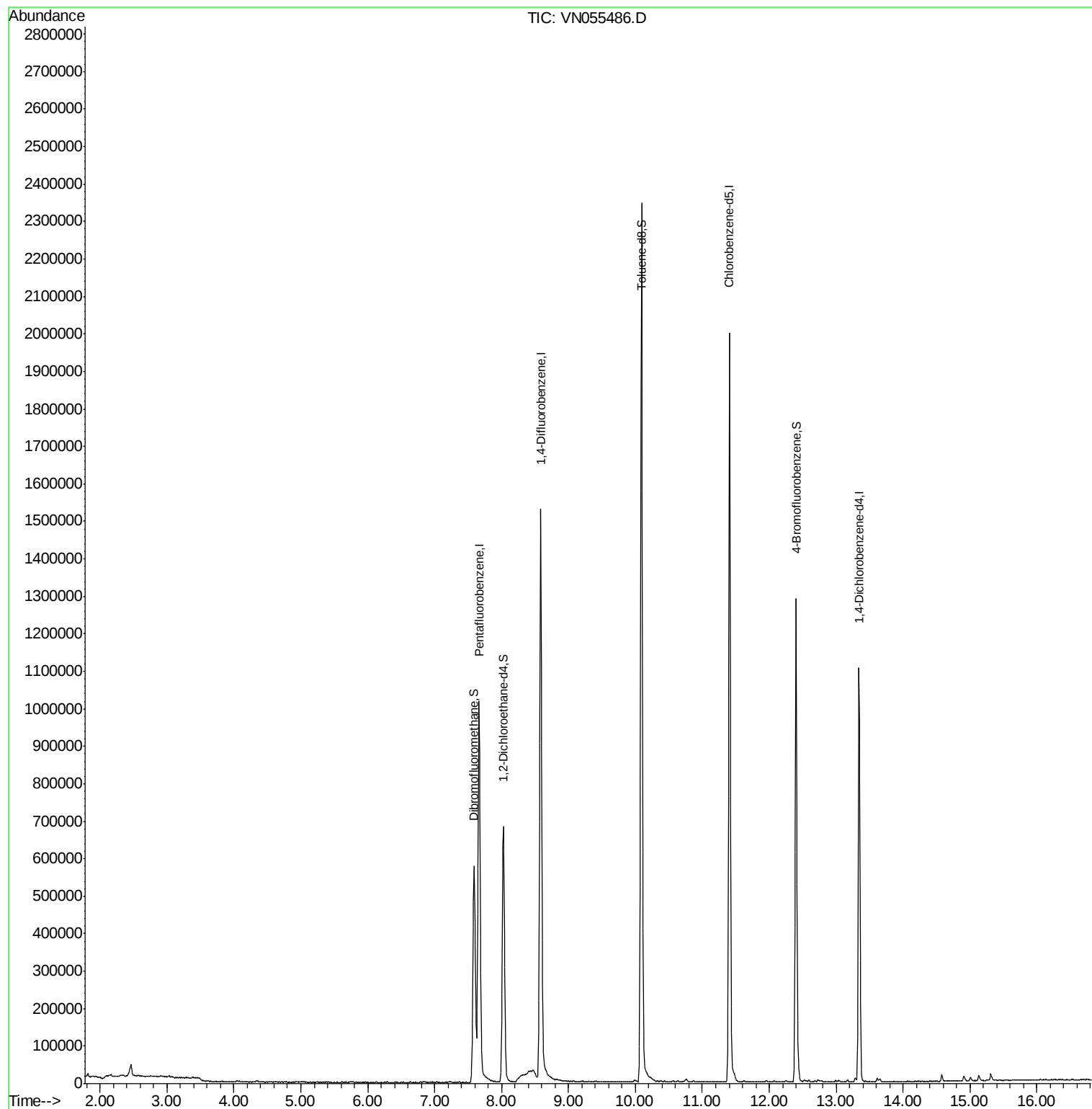
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Thu May 09 04:17:44 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055486.D

Acq: 9 May 2019 10:34

Instrument :

MSVOA\_N

ClientSampleId :

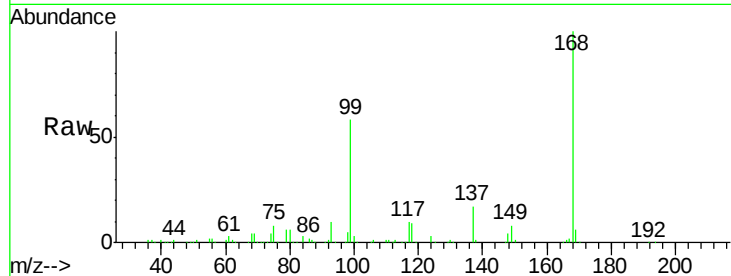
VN0509MBL01

Tot Ion:168 Resp: 833103

Ion Ratio Lower Upper

168 100

99 57.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

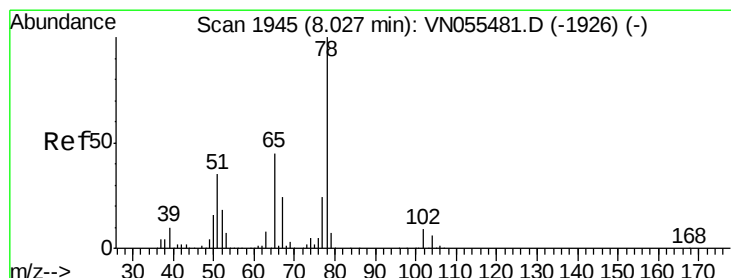
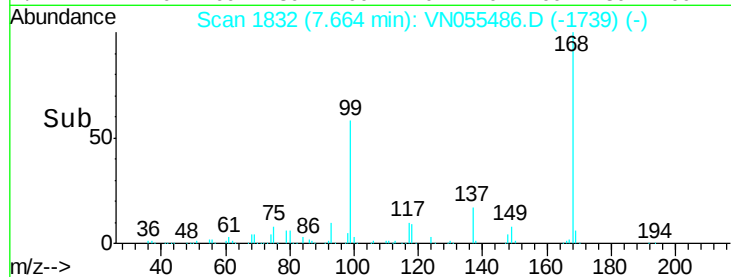
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.187 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055486.D

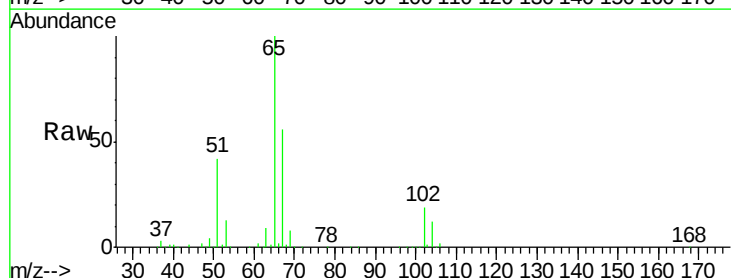
Acq: 9 May 2019 10:34

Tgt Ion: 65 Resp: 579354

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

250000

200000

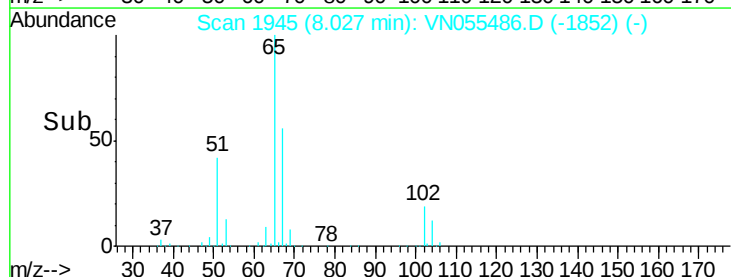
150000

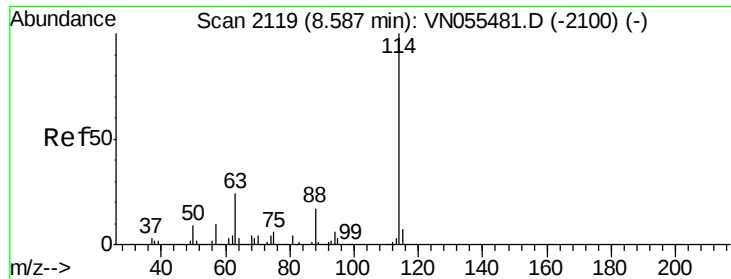
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50000

0

Time-->

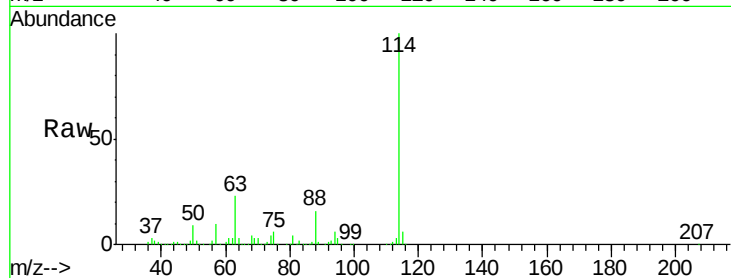




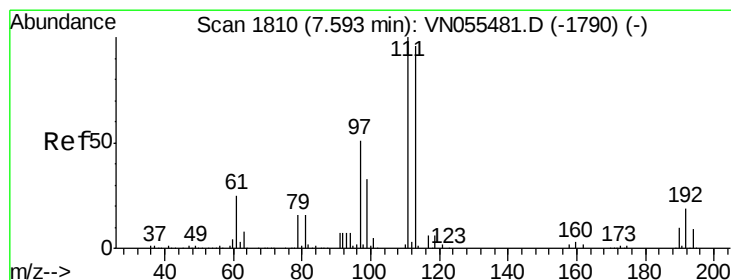
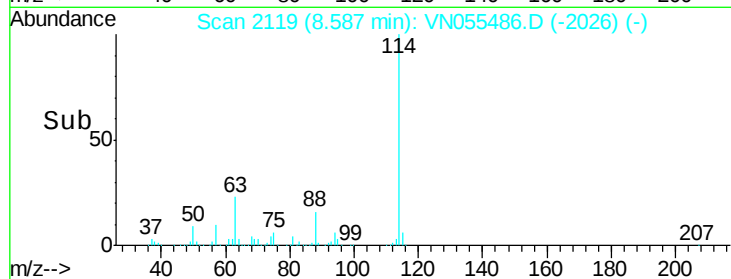
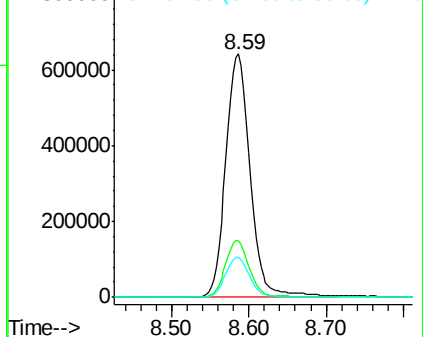
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN055486.D  
 Acq: 9 May 2019 10:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0509MBL01

Tot Ion:114 Resp: 1406360  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 0.0 47.4  
 88 16.3 0.0 34.0

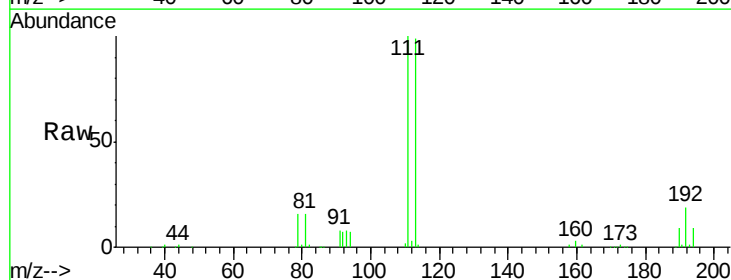


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

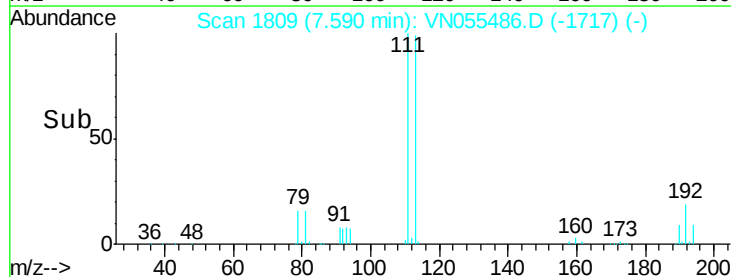
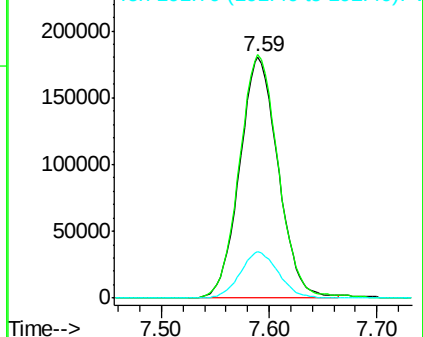


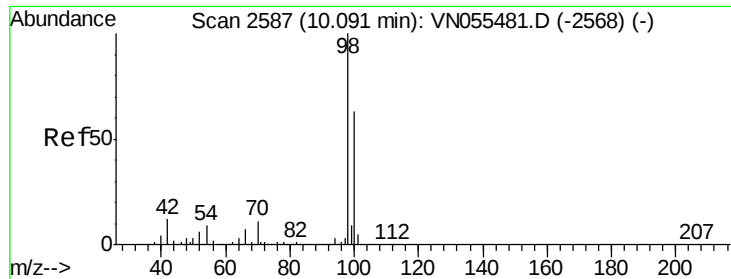
#35  
 Dibromofluoromethane  
 Concen: 49.360 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN055486.D  
 Acq: 9 May 2019 10:34

Tgt Ion:113 Resp: 447798  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.9 124.3  
 192 19.1 15.6 23.4



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: 47.745 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055486.D

Acq: 9 May 2019 10:34

Instrument :

MSVOA\_N

ClientSampleId :

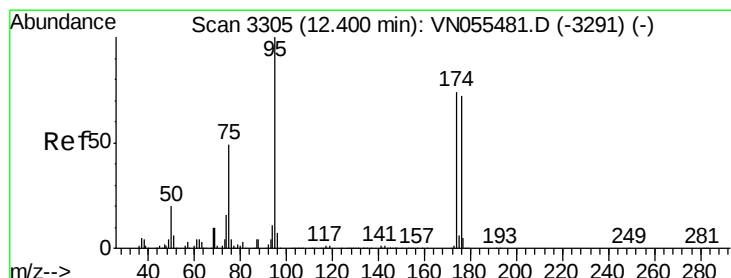
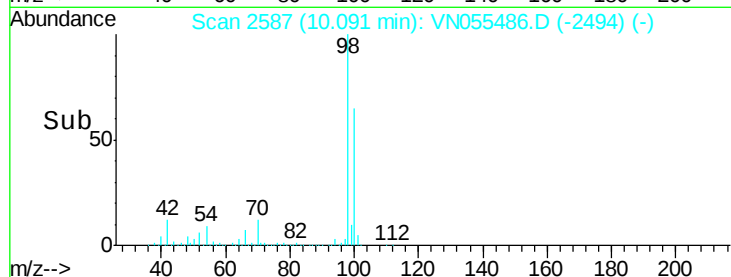
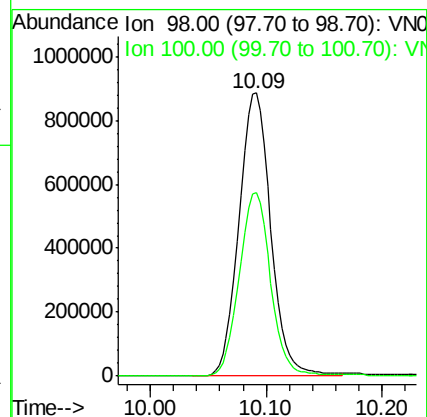
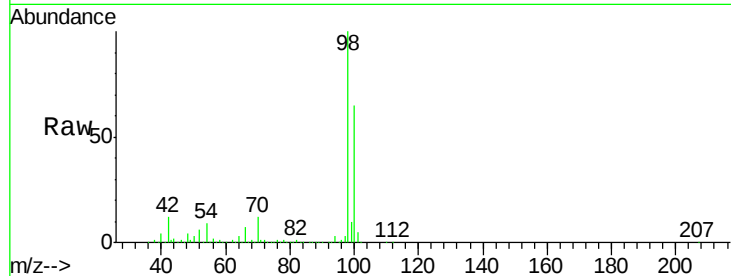
VN0509MBL01

Tot Ion: 98 Resp: 1687938

Ion Ratio Lower Upper

98 100

100 64.3 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 39.821 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055486.D

Acq: 9 May 2019 10:34

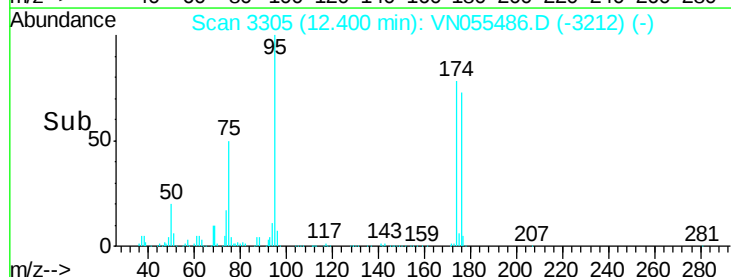
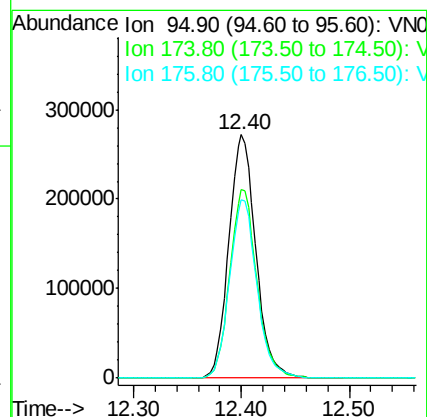
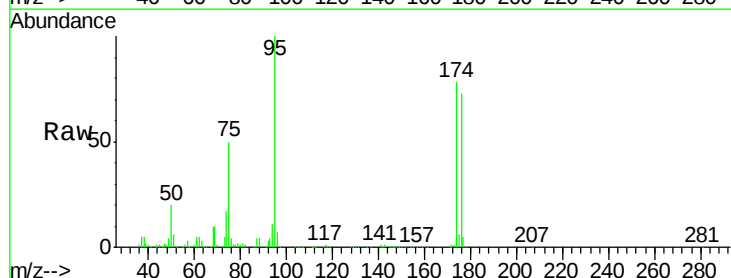
Tgt Ion: 95 Resp: 474694

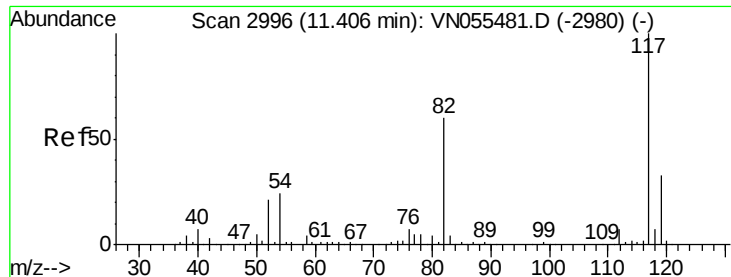
Ion Ratio Lower Upper

95 100

174 77.6 0.0 152.2

176 74.2 0.0 147.8

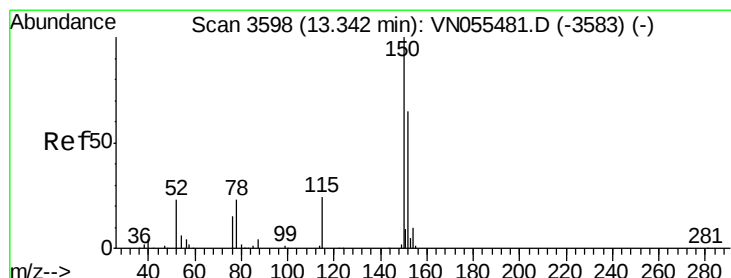
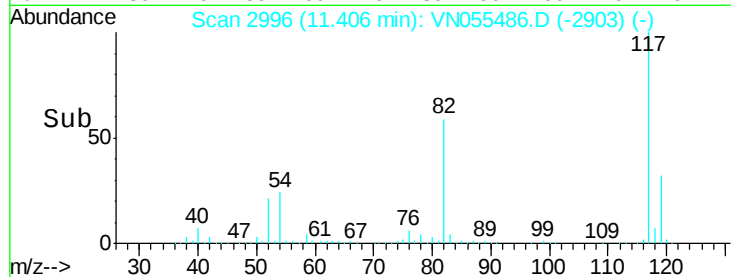
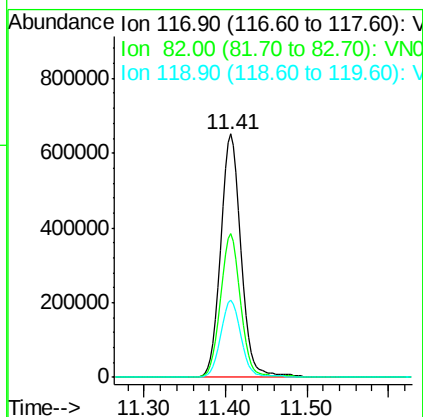
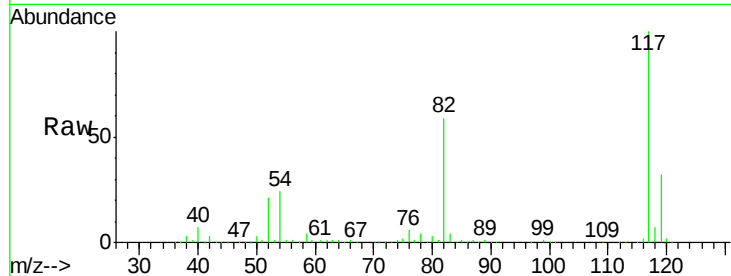




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN055486.D  
Acq: 9 May 2019 10:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0509MBL01

Tot Ion:117 Resp: 1158339  
Ion Ratio Lower Upper  
117 100  
82 58.8 48.0 72.0  
119 31.6 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN055486.D  
Acq: 9 May 2019 10:34

Tgt Ion:152 Resp: 302866  
Ion Ratio Lower Upper  
152 100  
115 58.9 30.1 90.5  
150 153.5 0.0 355.0

