

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052419\  
 Data File : VN055784.D  
 Acq On : 24 May 2019 10:17  
 Operator : JC/SP  
 Sample : VN0524MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0524MBL01

Quant Time: May 24 11:13:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 391713   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 552998   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 496932   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 174584   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 181375   | 44.84 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.68% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 165258   | 47.27 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.54% |      |
| 50) Toluene-d8              | 10.09  | 98  | 653400   | 48.72 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.44% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 211147   | 45.92 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.84% |      |

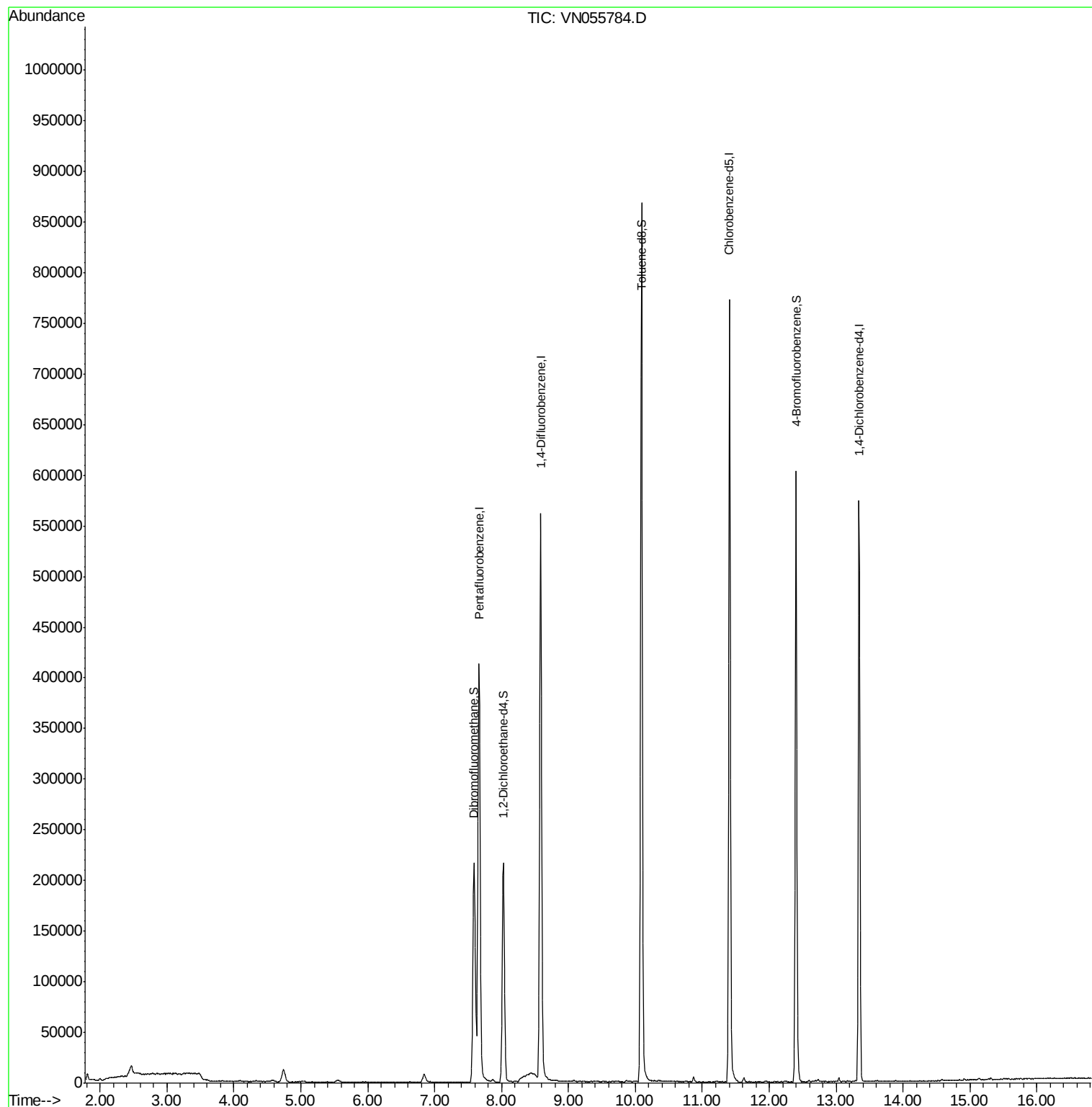
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 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: VN055784.D

Acq: 24 May 2019 10:17

Instrument :

MSVOA\_N

ClientSampleId :

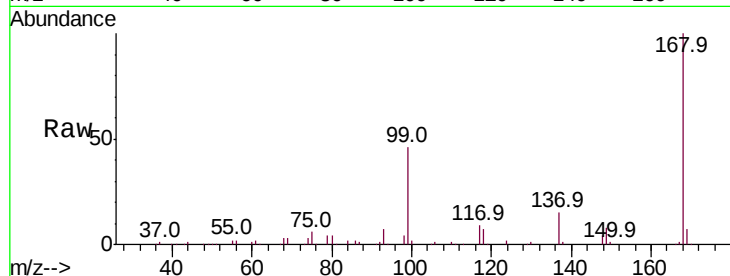
VN0524MBL01

Tot Ion:168 Resp: 391713

Ion Ratio Lower Upper

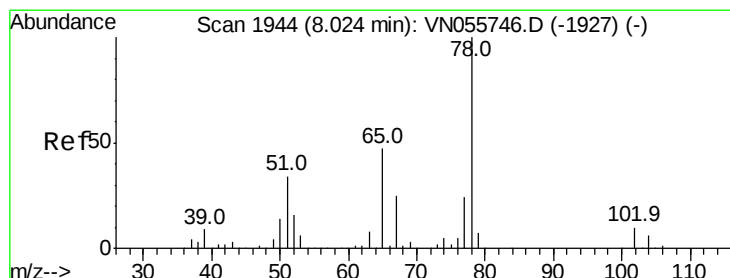
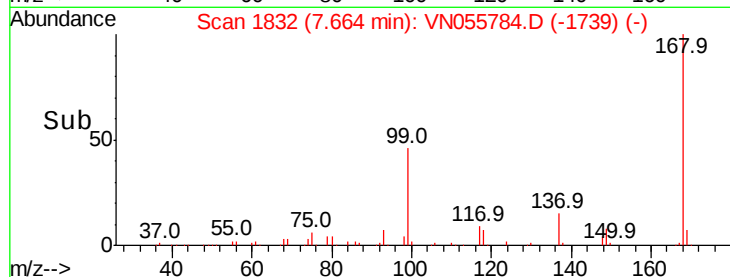
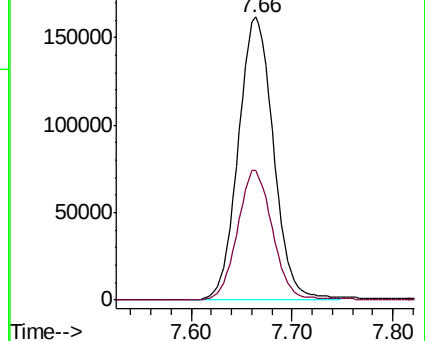
168 100

99 45.8 37.2 55.8



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: 44.836 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055784.D

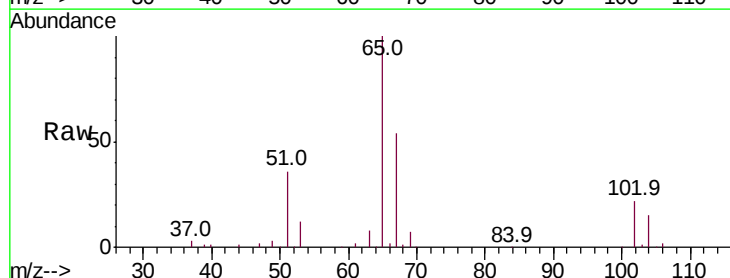
Acq: 24 May 2019 10:17

Tgt Ion: 65 Resp: 181375

Ion Ratio Lower Upper

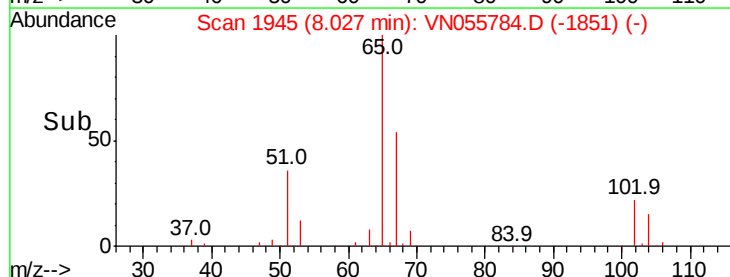
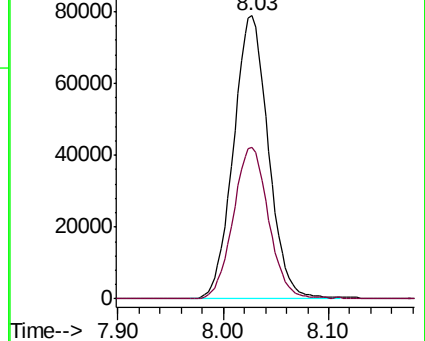
65 100

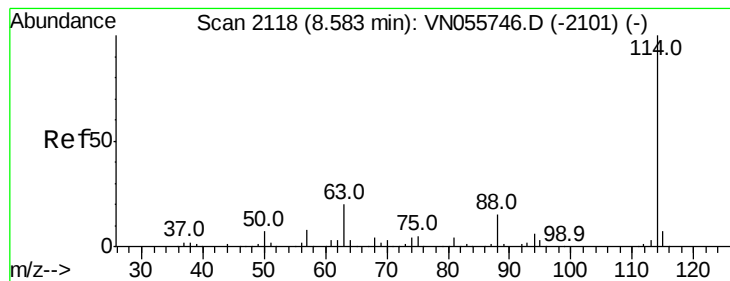
67 54.2 0.0 109.2



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: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055784.D

Acq: 24 May 2019 10:17

Instrument :

MSVOA\_N

ClientSampleId :

VN0524MBL01

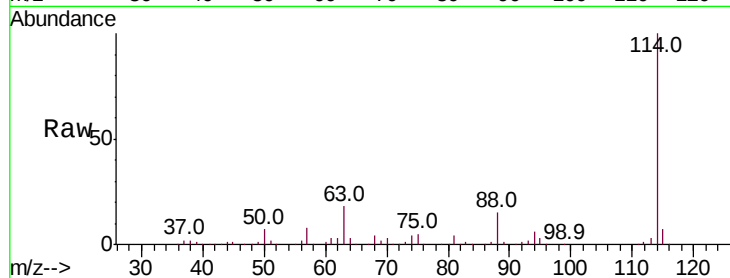
Tot Ion:114 Resp: 552998

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.2

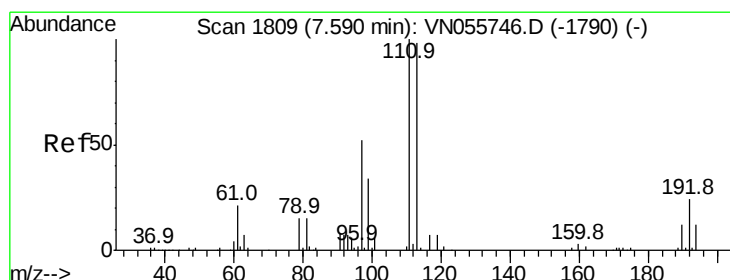
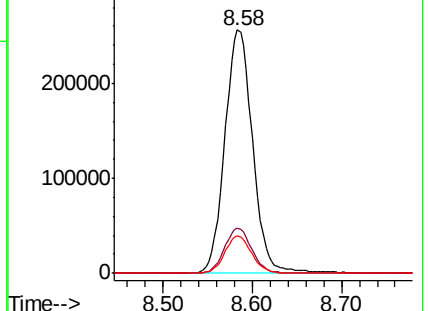
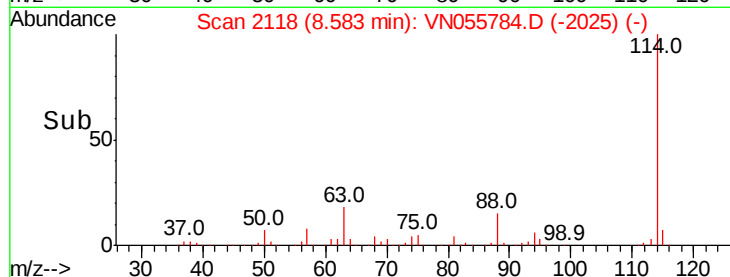
88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.267 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055784.D

Acq: 24 May 2019 10:17

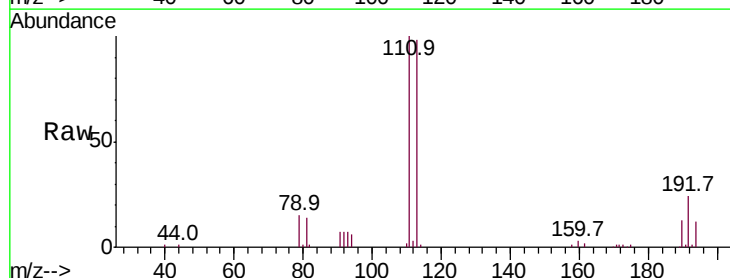
Tgt Ion:113 Resp: 165258

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

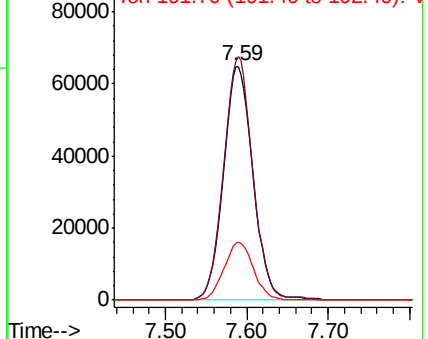
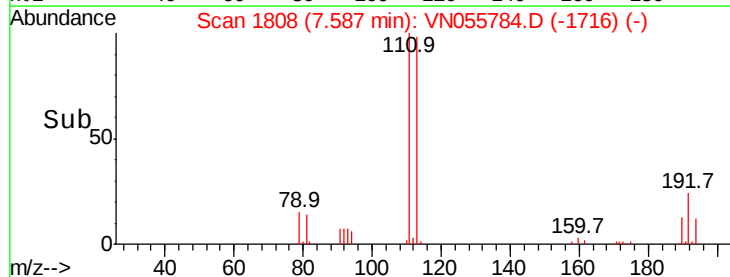
192 24.7 19.5 29.3

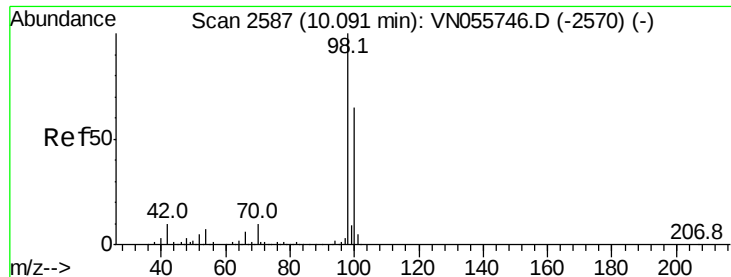


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.720 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055784.D

Acq: 24 May 2019 10:17

Instrument :

MSVOA\_N

ClientSampleId :

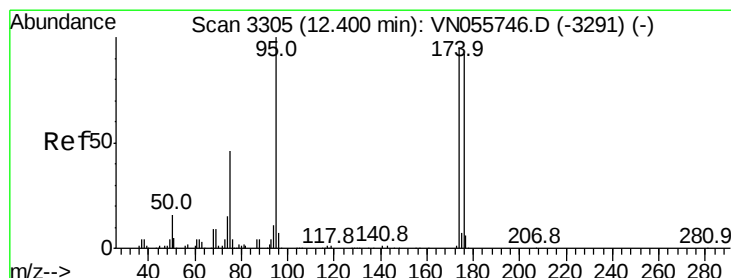
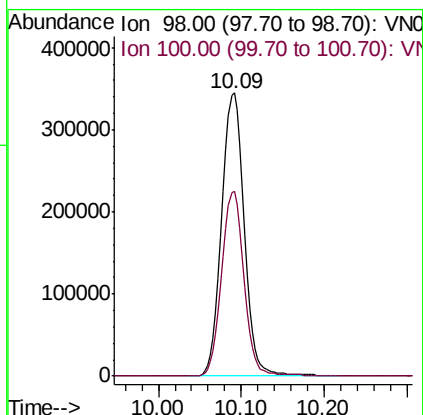
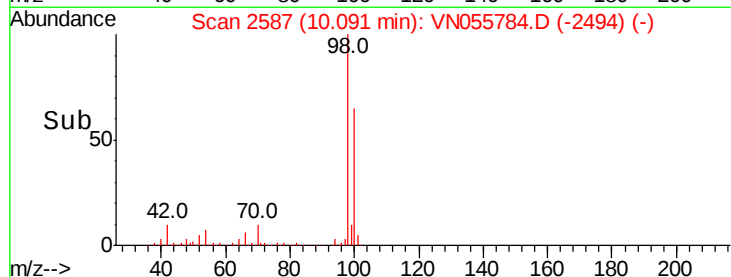
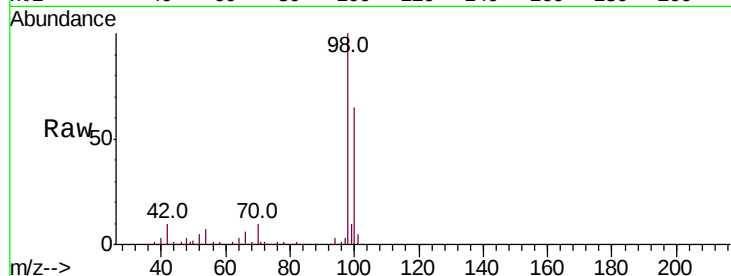
VN0524MBL01

Tot Ion: 98 Resp: 653400

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.916 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055784.D

Acq: 24 May 2019 10:17

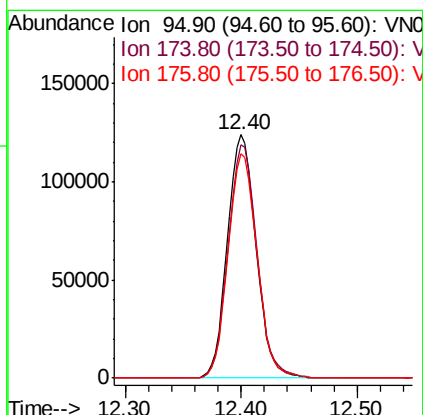
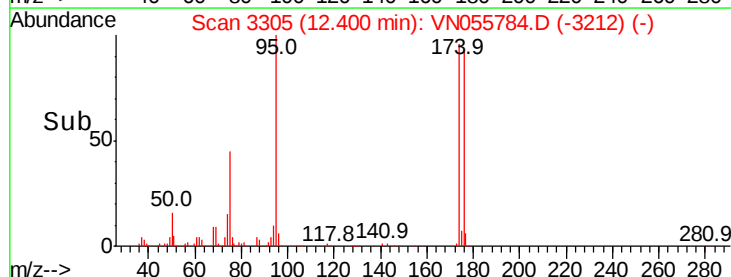
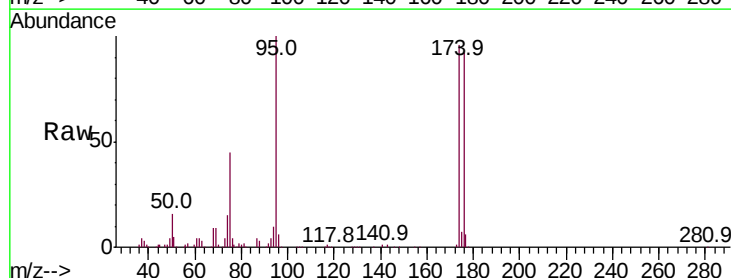
Tgt Ion: 95 Resp: 211147

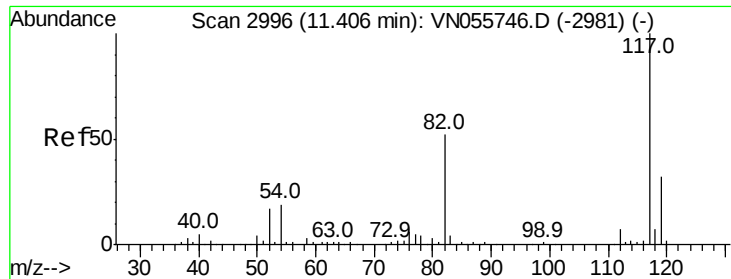
Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

176 93.1 0.0 185.2

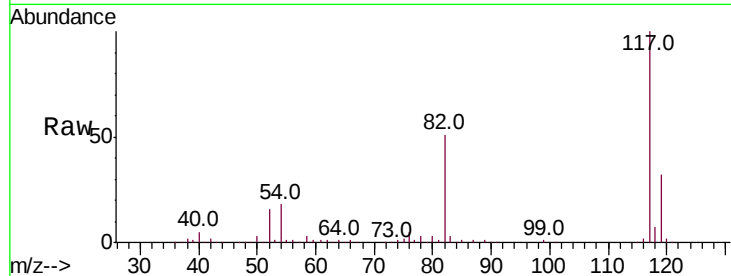




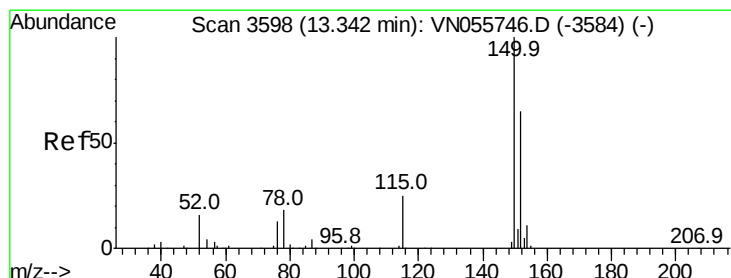
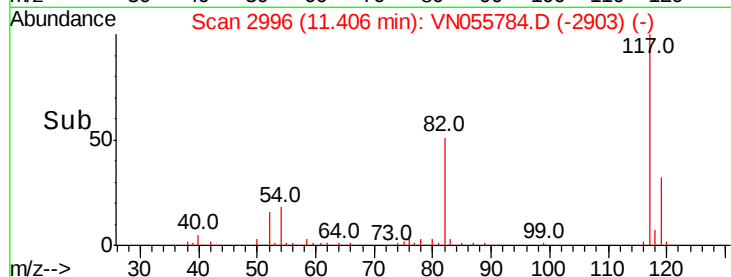
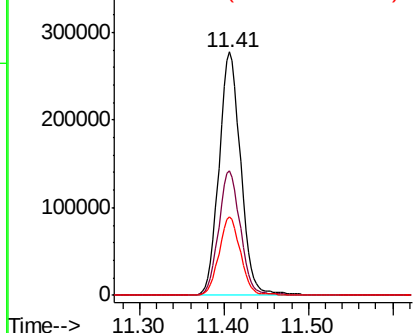
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055784.D  
Acq: 24 May 2019 10:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0524MBL01

Tot Ion:117 Resp: 496932  
Ion Ratio Lower Upper  
117 100  
82 51.2 41.8 62.8  
119 32.3 25.4 38.0

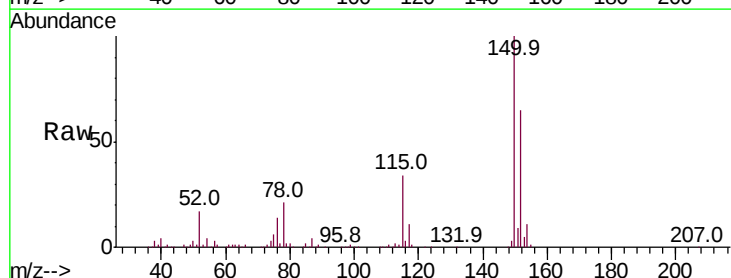


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055784.D  
Acq: 24 May 2019 10:17

Tgt Ion:152 Resp: 174584  
Ion Ratio Lower Upper  
152 100  
115 53.0 27.0 81.0  
150 156.5 0.0 343.2



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

