

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN032219\  
 Data File : VN054553.D  
 Acq On : 22 Mar 2019 13:03  
 Operator : JC/SP  
 Sample : K2004-09  
 Misc : 5.24g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-22(7-8)

Quant Time: Mar 25 15:22:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 612144   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 937469   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 755312   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 321688   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 364987   | 47.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.88% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 274028   | 45.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.74% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1128341  | 49.70 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.40% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 358700   | 46.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.86% |      |

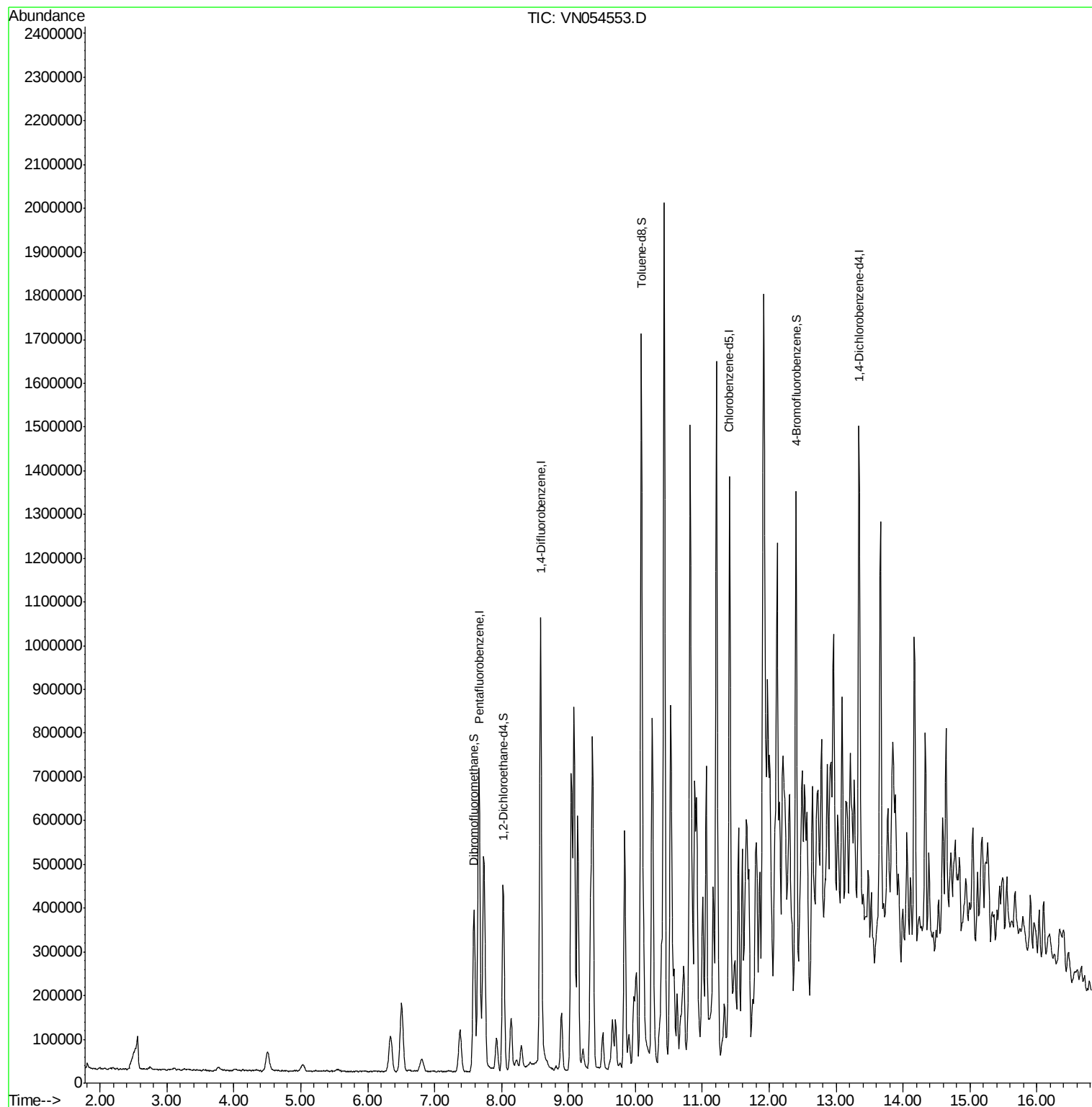
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

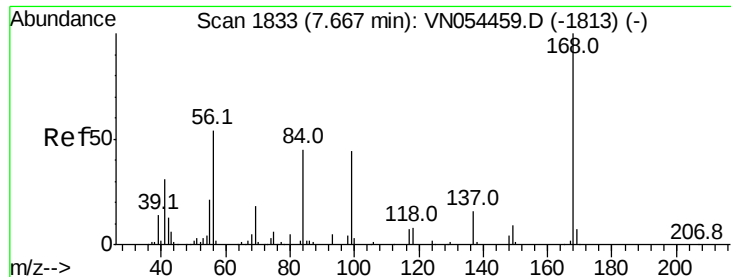
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032219\  
Data File : VN054553.D  
Acq On : 22 Mar 2019 13:03  
Operator : JC/SP  
Sample : K2004-09  
Misc : 5.24g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB-22(7-8)

Quant Time: Mar 25 15:22:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054553.D

Acq: 22 Mar 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

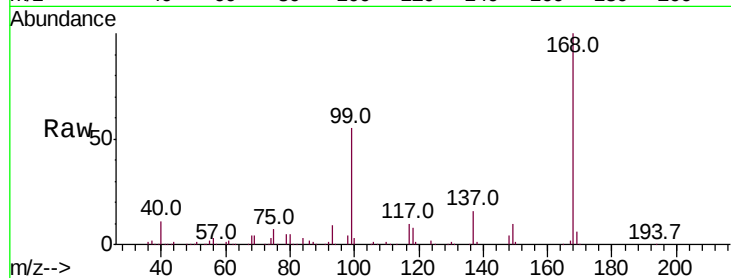
SB-22(7-8)

Tot Ion:168 Resp: 612144

Ion Ratio Lower Upper

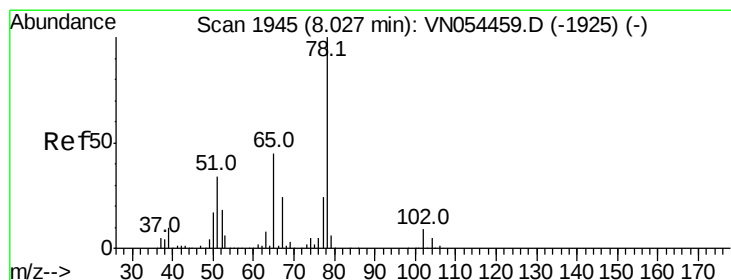
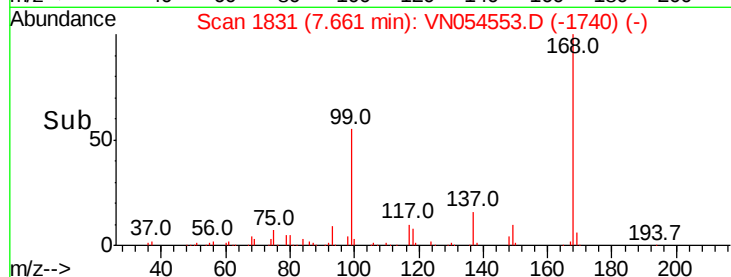
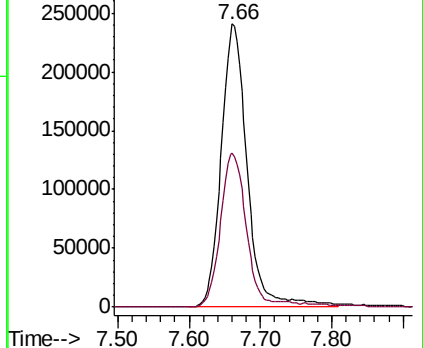
168 100

99 54.5 37.1 55.7



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: 47.936 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054553.D

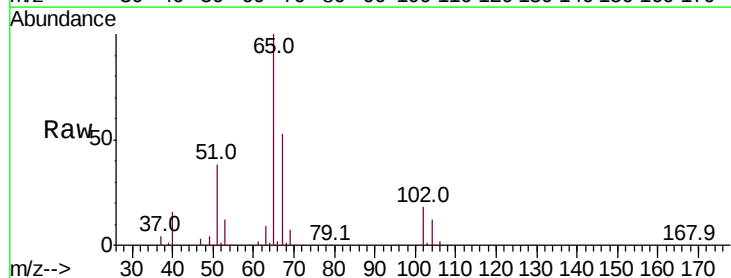
Acq: 22 Mar 2019 13:03

Tgt Ion: 65 Resp: 364987

Ion Ratio Lower Upper

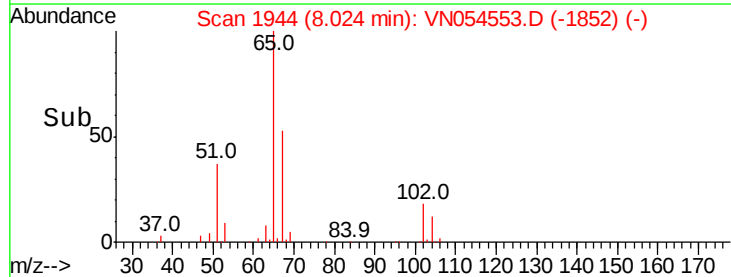
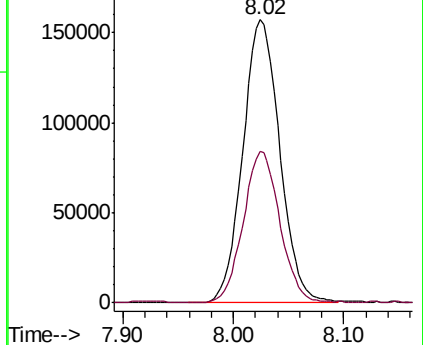
65 100

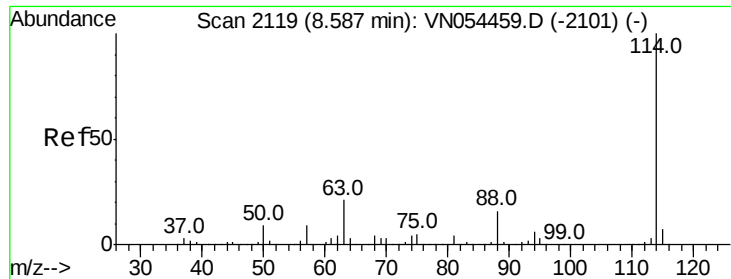
67 52.9 0.0 104.6



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: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054553.D

Acq: 22 Mar 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

SB-22(7-8)

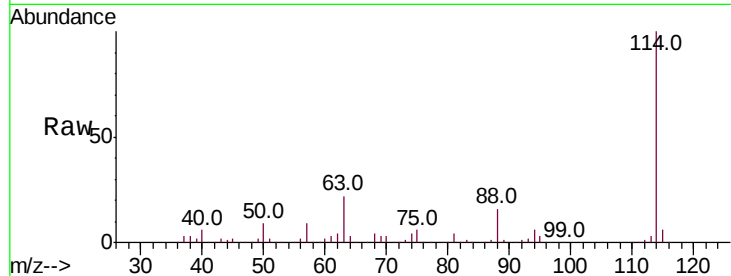
Tot Ion:114 Resp: 937469

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

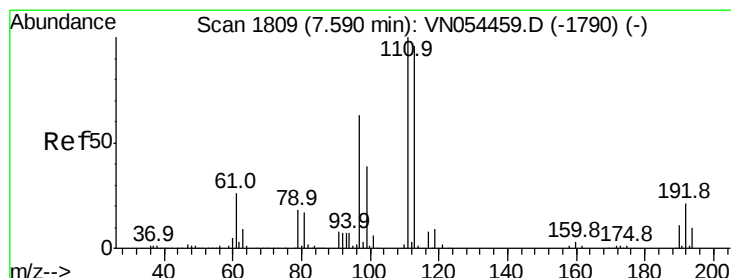
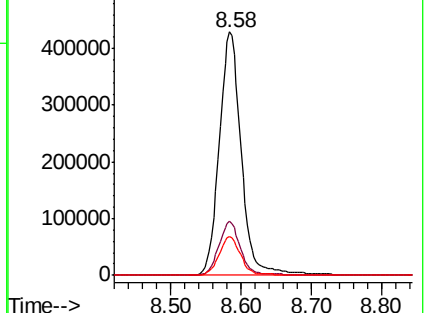
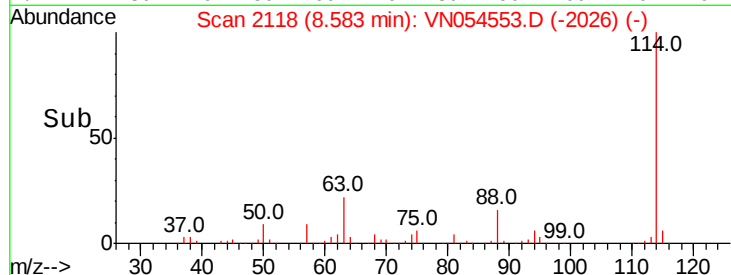
88 15.9 0.0 30.2



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: 45.372 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054553.D

Acq: 22 Mar 2019 13:03

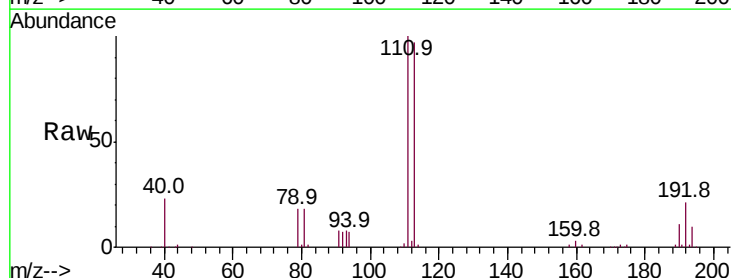
Tgt Ion:113 Resp: 274028

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

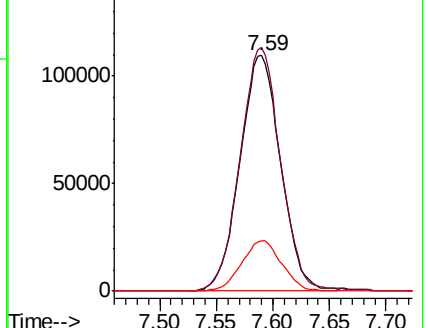
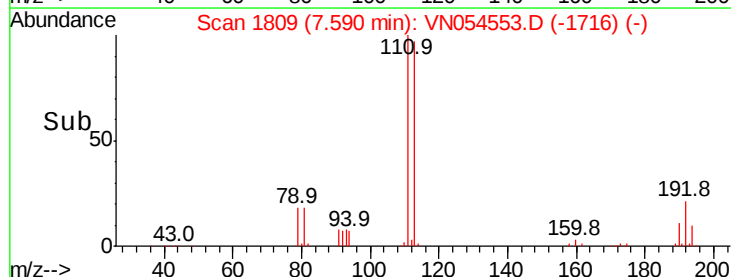
192 21.2 19.2 28.8

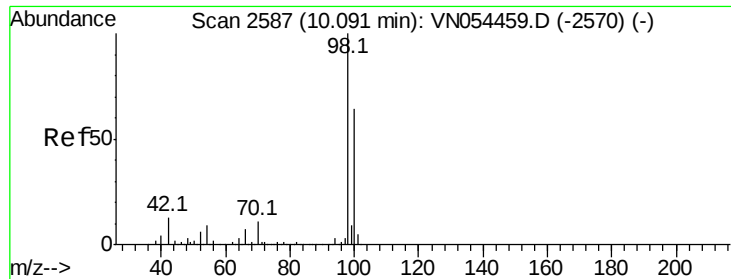


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.695 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054553.D

Acq: 22 Mar 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

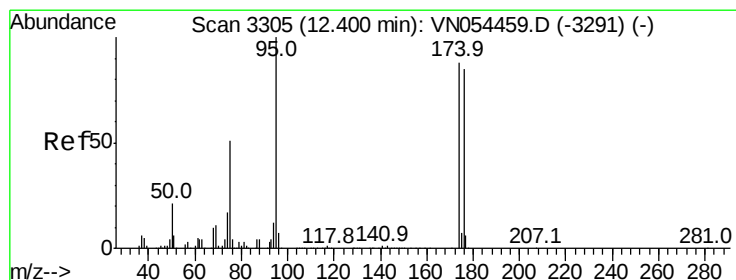
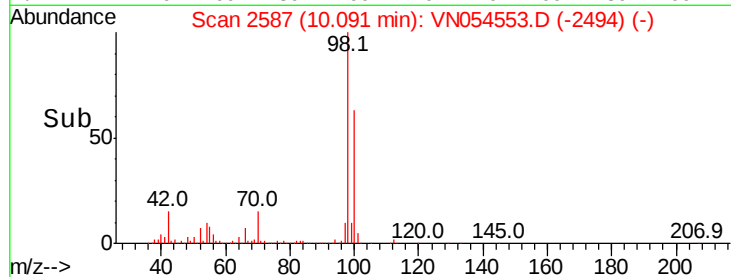
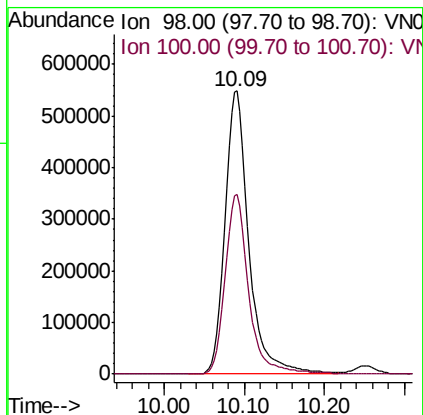
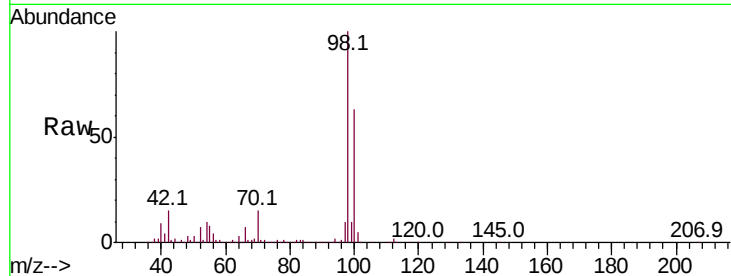
SB-22(7-8)

Tot Ion: 98 Resp: 1128341

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 46.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054553.D

Acq: 22 Mar 2019 13:03

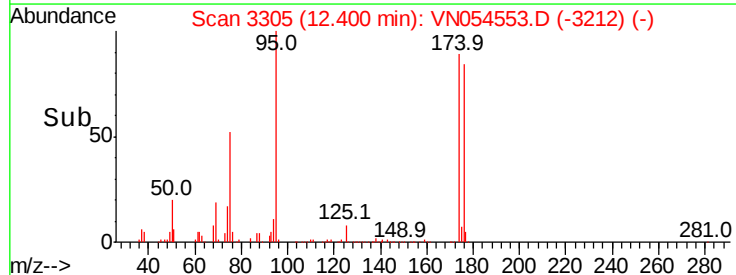
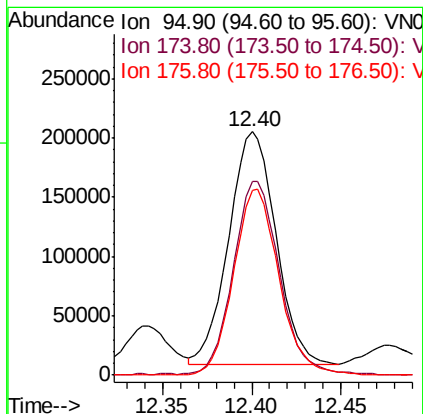
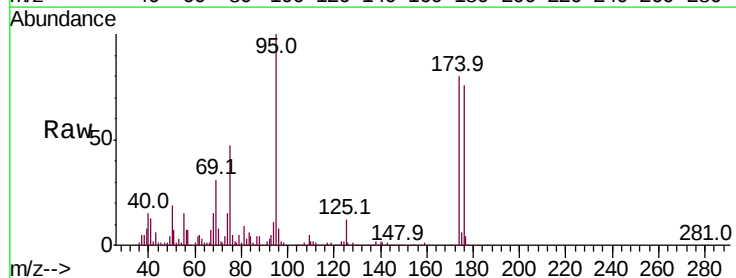
Tgt Ion: 95 Resp: 358700

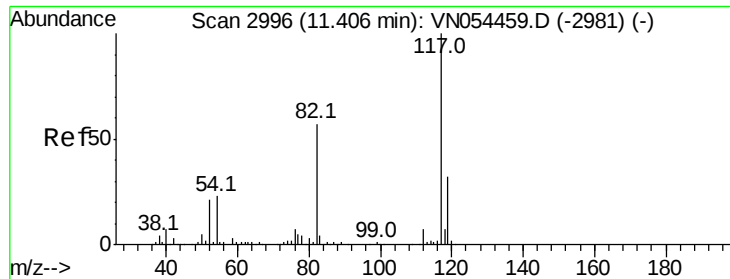
Ion Ratio Lower Upper

95 100

174 81.5 0.0 191.0

176 77.9 0.0 187.4

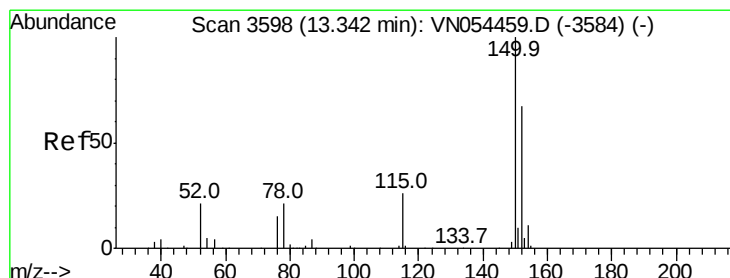
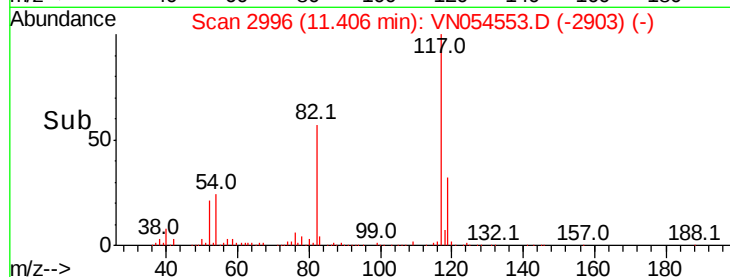
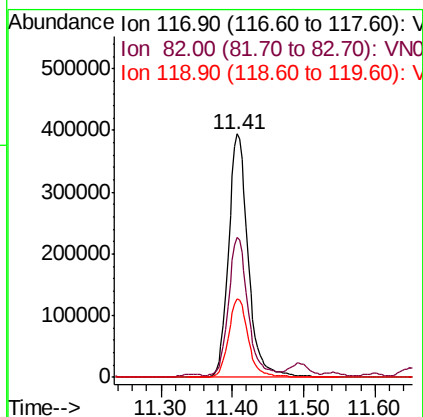
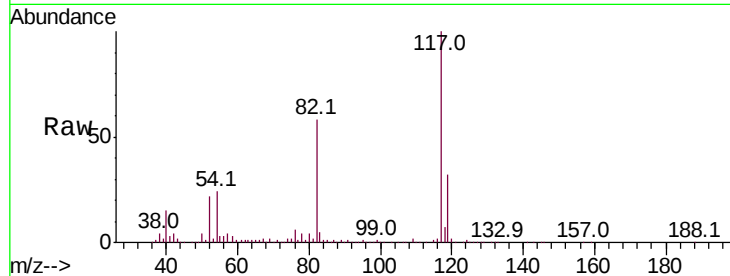




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054553.D  
Acq: 22 Mar 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampled :  
SB-22(7-8)

Tot Ion:117 Resp: 755312  
Ion Ratio Lower Upper  
117 100  
82 56.4 40.0 60.0  
119 31.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN054553.D  
Acq: 22 Mar 2019 13:03

Tgt Ion:152 Resp: 321688  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.2 81.6  
150 153.2 0.0 349.2

