

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\  
 Data File : VN055874.D  
 Acq On : 29 May 2019 13:43  
 Operator : JC/SP  
 Sample : K3070-02 10X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-2

Quant Time: May 30 07:12:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 23 05:54:54 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 57022    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 296875   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 238131   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.02   | 65    | 110691   | 29.70    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.00%  |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 86948    | 23.47    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 78.23%  |
| 63) Toluene-d8            | 10.09  | 98    | 347271   | 31.91    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 106.37% |

## Target Compounds

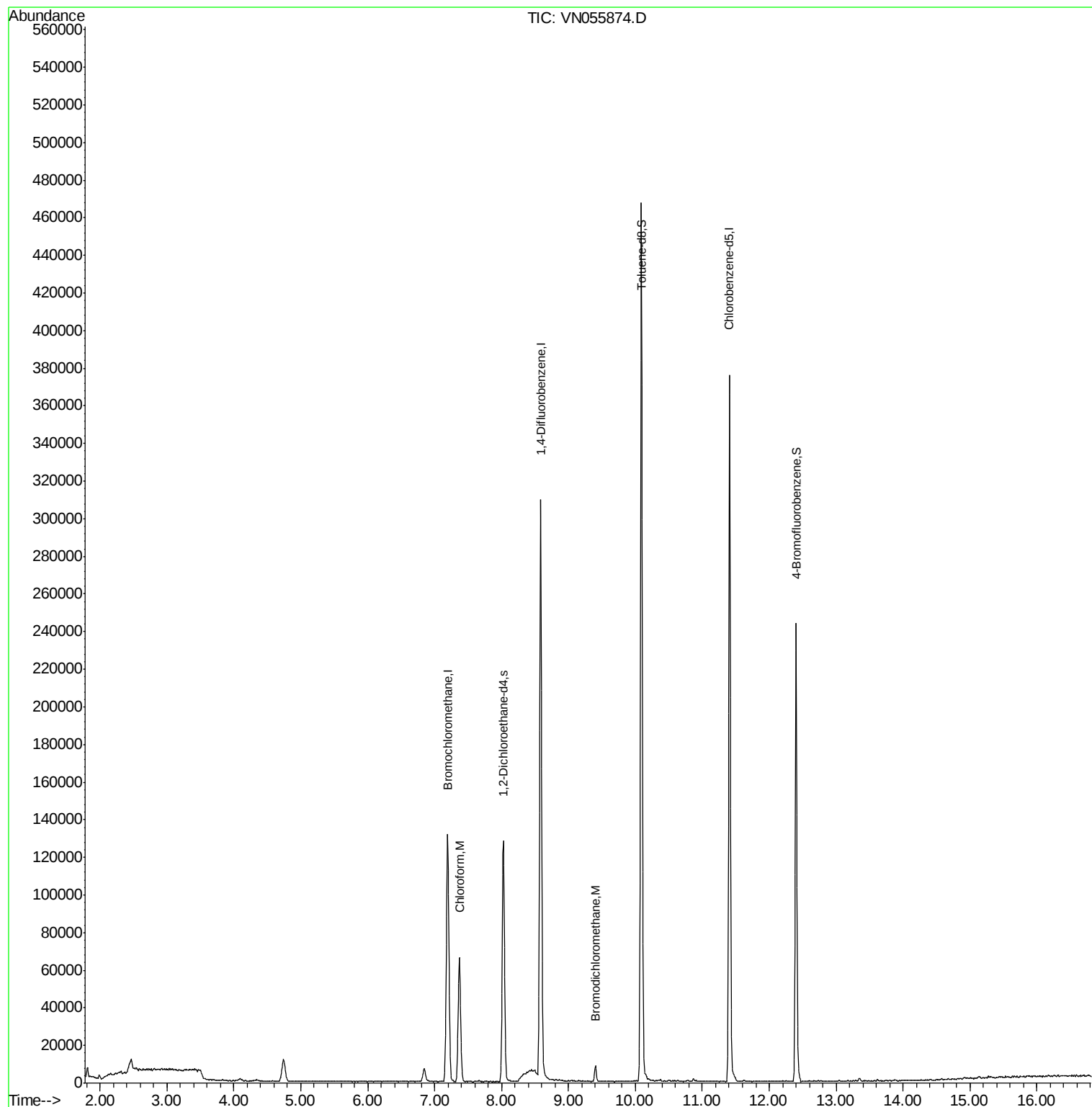
|                          |      |    |       |        | Ovalue  |
|--------------------------|------|----|-------|--------|---------|
| 25) Chloroform           | 7.37 | 83 | 72020 | 12.269 | ug/l 99 |
| 41) Bromodichloromethane | 9.40 | 83 | 6326  | 1.386  | ug/l 98 |

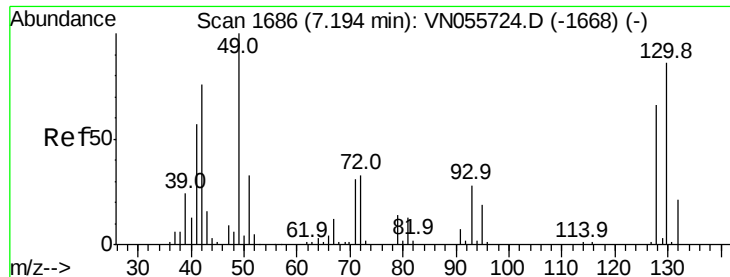
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
14B-2

Quant Time: May 30 07:12:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu May 23 05:54:54 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :  
MSVOA\_N  
ClientSampled :  
14B-2

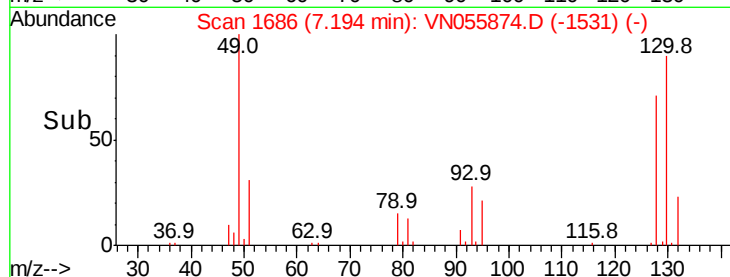
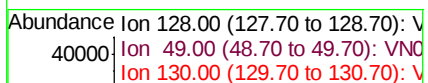
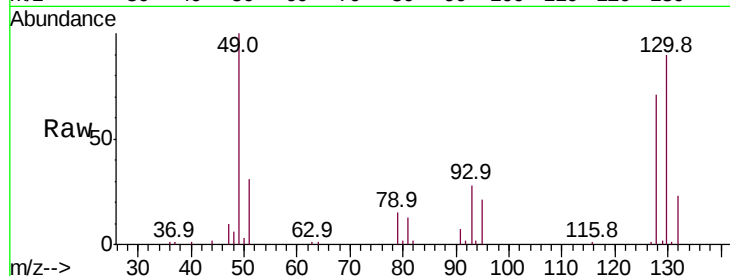
Tot Ion:128 Resp: 57022

Ion Ratio Lower Upper

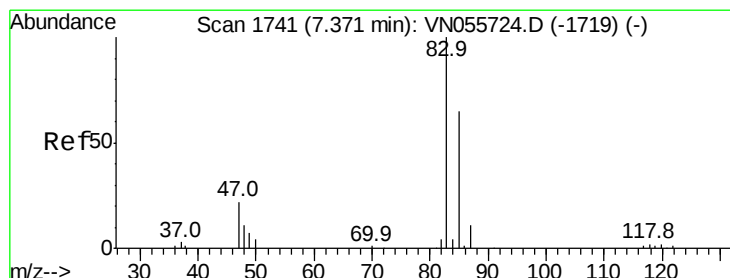
128 100

49 139.4 0.0 383.2

130 128.9 0.0 326.3



Time-->



#25

Chloroform

Concen: 12.269 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN055874.D

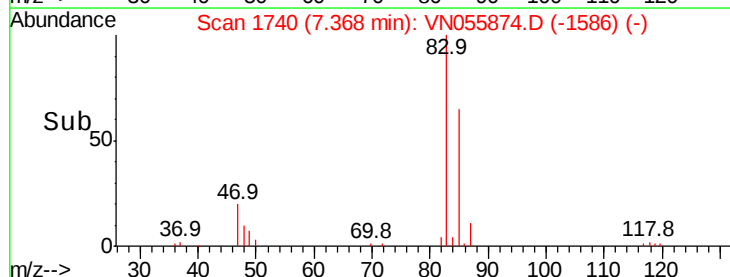
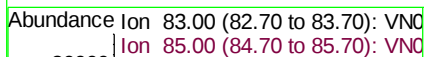
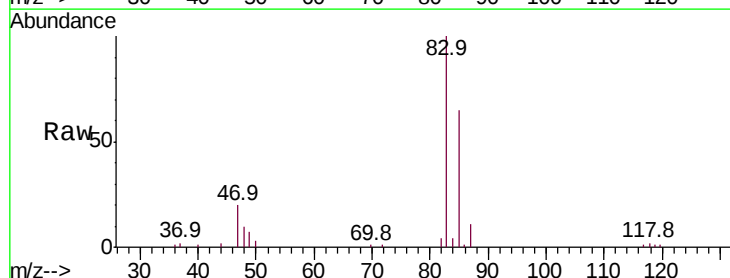
Acq: 29 May 2019 13:43

Tgt Ion: 83 Resp: 72020

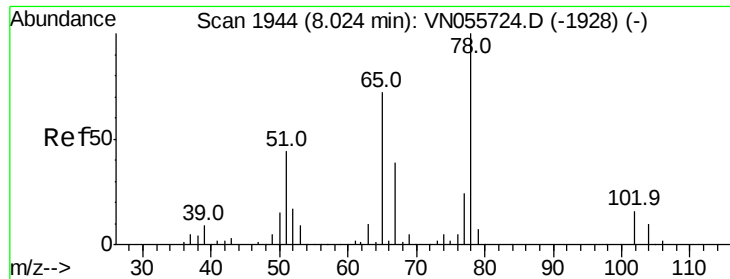
Ion Ratio Lower Upper

83 100

85 65.4 51.7 77.5



Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.699 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA\_N

ClientSampled :

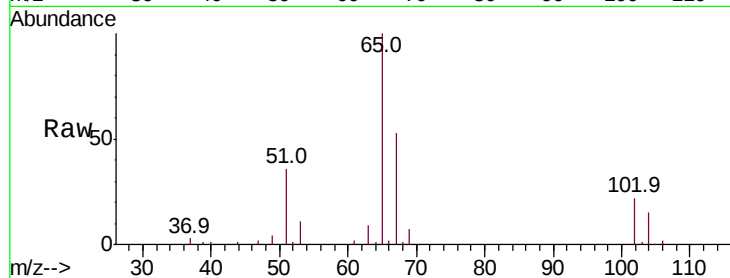
14B-2

Tot Ion: 65 Resp: 110691

Ion Ratio Lower Upper

65 100

67 53.9 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)

8.02

50000

40000

30000

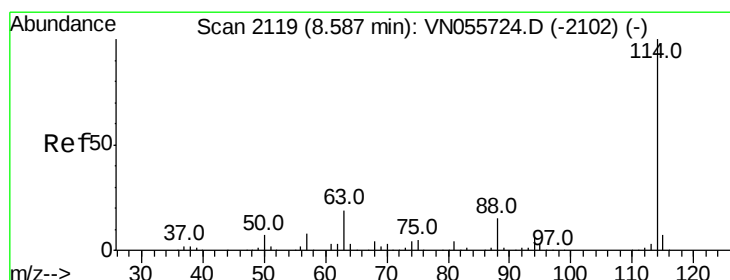
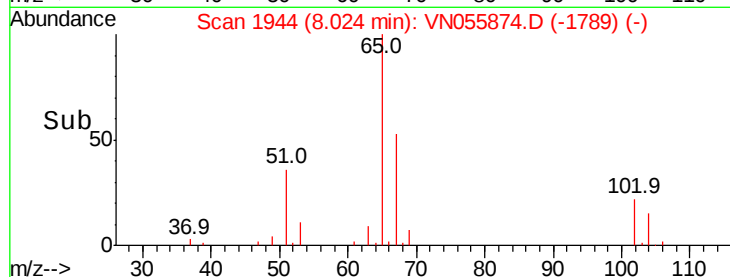
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

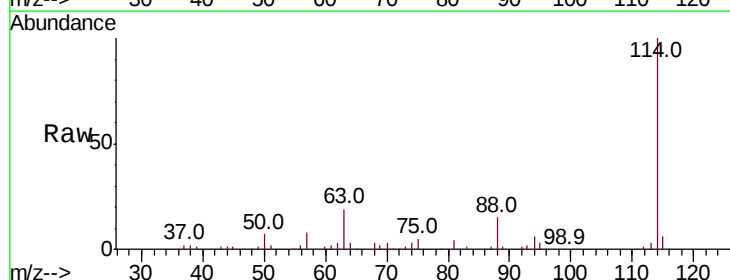
Tgt Ion: 114 Resp: 296875

Ion Ratio Lower Upper

114 100

63 18.6 15.6 23.4

88 15.0 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

8.58

150000

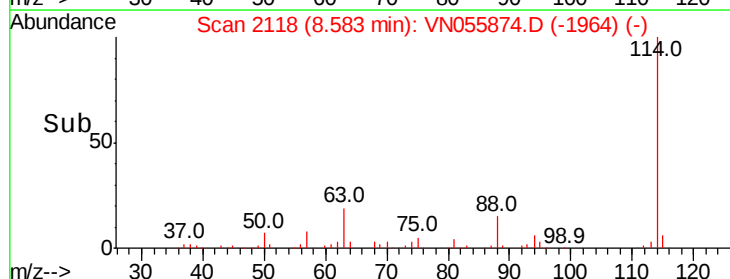
100000

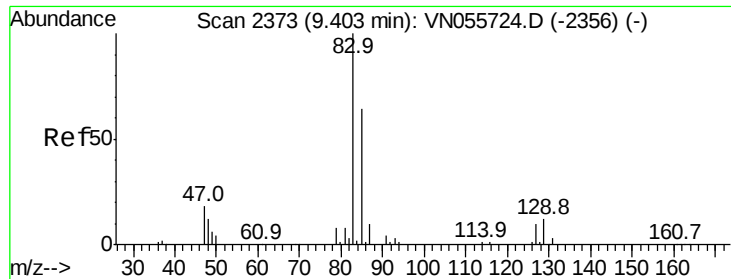
50000

0

8.50 8.60 8.70

Time-->





#41

Bromodichloromethane

Concen: 1.386 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA\_N

ClientSampleId :

14B-2

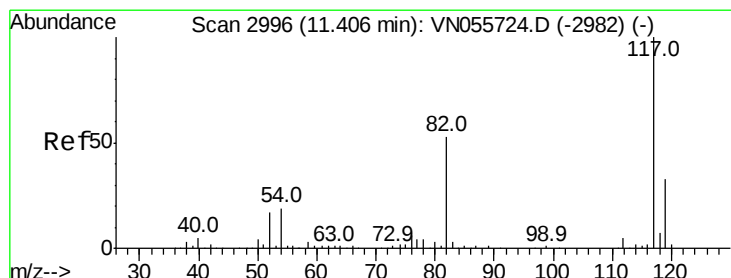
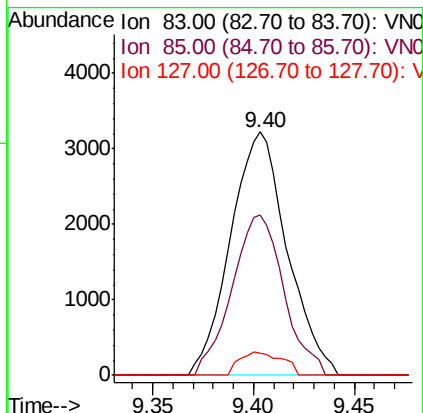
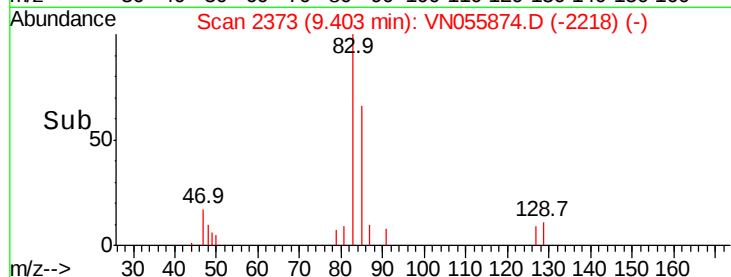
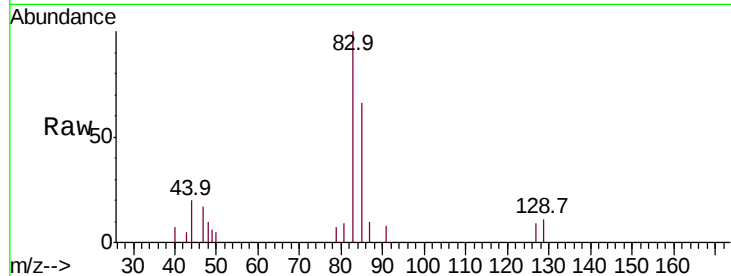
Tot Ion: 83 Resp: 6326

Ion Ratio Lower Upper

83 100

85 65.7 51.4 77.0

127 9.2 7.7 11.5



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

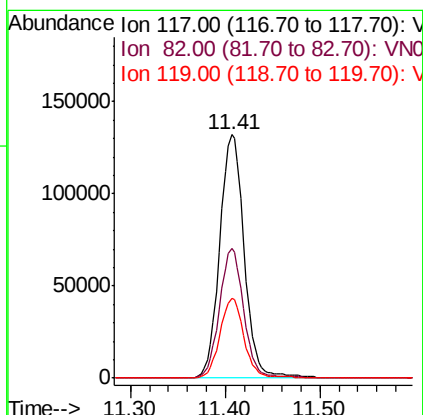
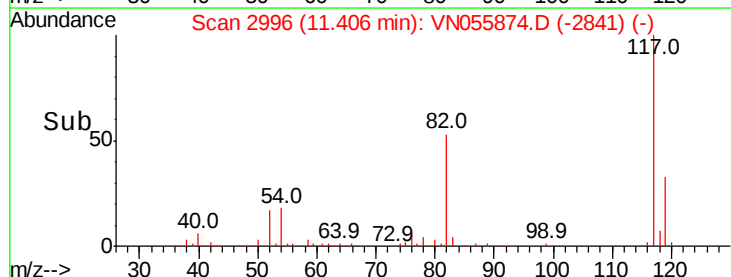
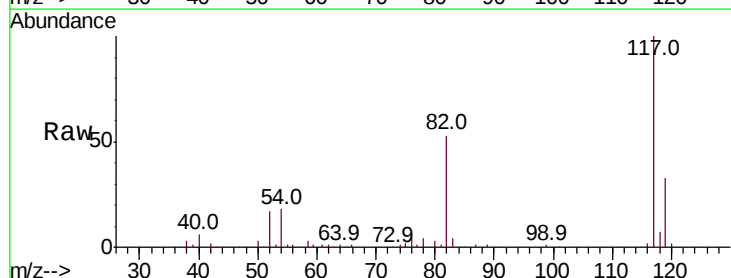
Tgt Ion: 117 Resp: 238131

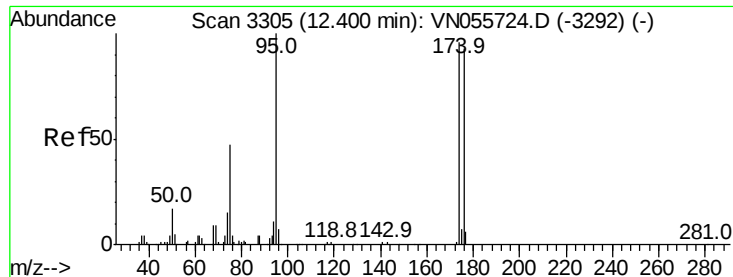
Ion Ratio Lower Upper

117 100

82 52.8 42.6 64.0

119 31.9 25.9 38.9





#60

4-Bromofluorobenzene

Concen: 23.472 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA\_N

ClientSampled :

14B-2

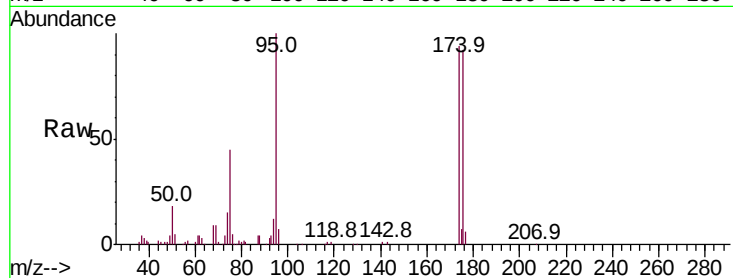
Tot Ion: 95 Resp: 86948

Ion Ratio Lower Upper

95 100

174 94.8 75.7 113.5

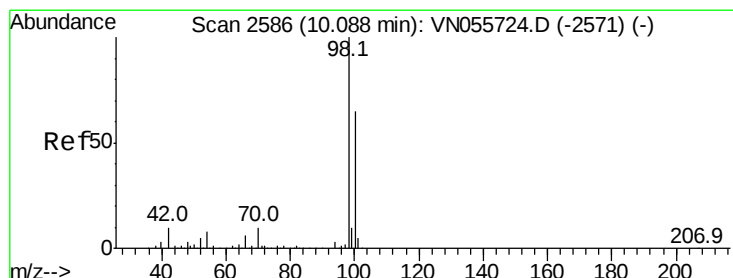
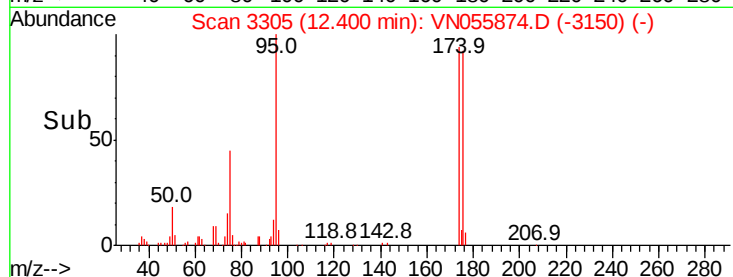
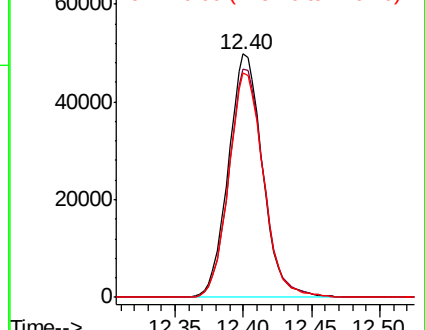
176 93.0 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055874.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN055874.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN055874.D (-3292) (-)



#63

Toluene-d8

Concen: 31.911 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055874.D

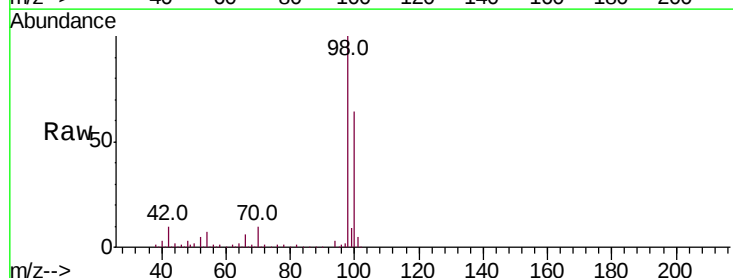
Acq: 29 May 2019 13:43

Tgt Ion: 98 Resp: 347271

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055874.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN055874.D (-2431) (-)

