

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073019\  
 Data File : VN056992.D  
 Acq On : 30 Jul 2019 22:32  
 Operator : JC/SP  
 Sample : VN0730WBL02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jul 31 04:17:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072919SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 01:50:04 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 37833    | 5.00 | ug/l  | 0.01     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 60685    | 5.00 | ug/l  | 0.01     |
| 8) Chlorobenzene-d5       | 11.40 | 117  | 35808    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 5416     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.00  | 65    | 19654    | 4.19     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 83.80%  |
| 5) Dibromofluoromethane  | 7.57  | 113   | 16590    | 4.02     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 80.40%  |
| 6) Toluene-d8            | 10.08 | 98    | 32245    | 3.83     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 76.60%# |
| 7) 4-Bromofluorobenzene  | 12.40 | 95    | 7833     | 3.99     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 79.80%# |

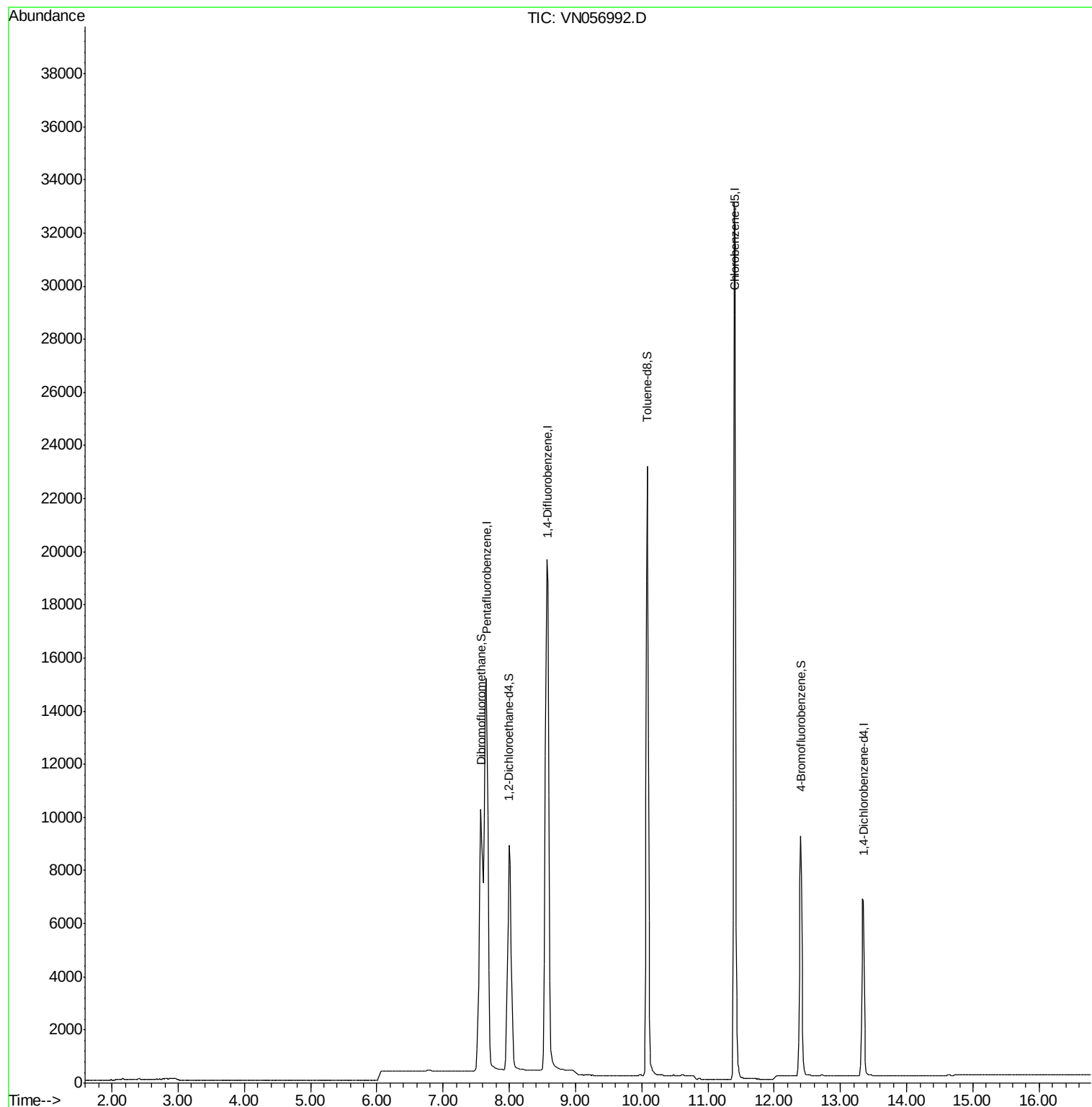
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

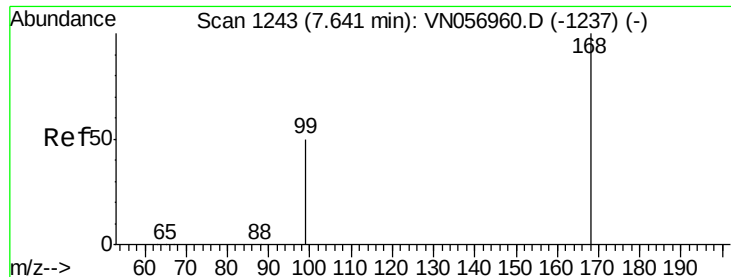
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073019\  
Data File : VN056992.D  
Acq On : 30 Jul 2019 22:32  
Operator : JC/SP  
Sample : VN0730WBL02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jul 31 04:17:25 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072919SIM-VINYL.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 01:50:04 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

Instrument :

MSVOA\_N

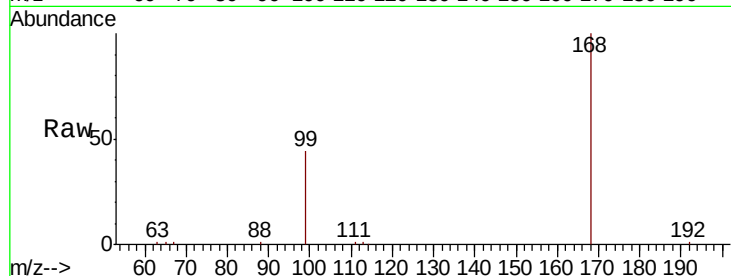
ClientSampleId :

Tot Ion:168 Resp: 37833

Ion Ratio Lower Upper

168 100

99 43.6 40.0 60.0



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VN

7.65

12000

10000

8000

6000

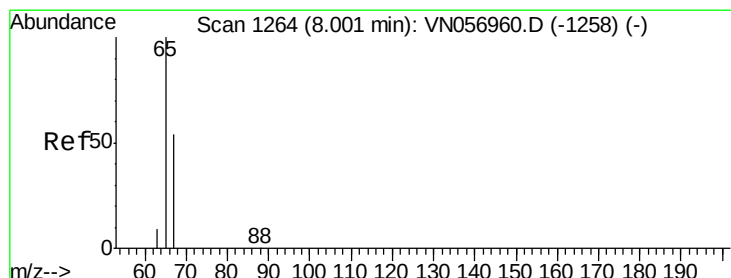
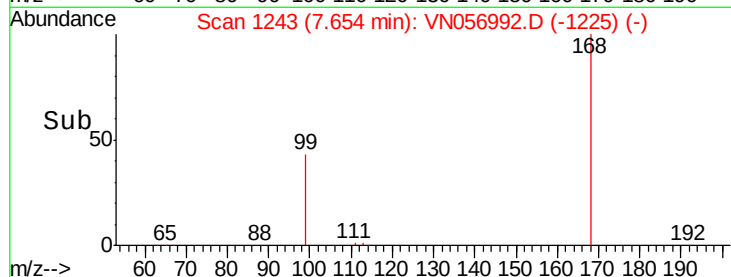
4000

2000

0

Time-->

7.40 7.60 7.80 8.00



#3

1,2-Dichloroethane-d4

Concen: 4.192 ug/l

RT: 8.00 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN056992.D

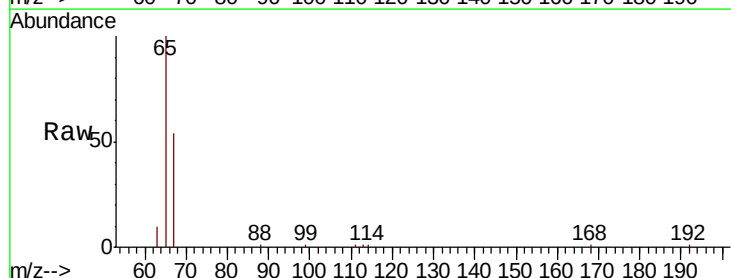
Acq: 30 Jul 2019 22:32

Tgt Ion: 65 Resp: 19654

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6



Abundance Ion 65.00 (64.70 to 65.70): VN

Ion 67.00 (66.70 to 67.70): VN

8.00

6000

5000

4000

3000

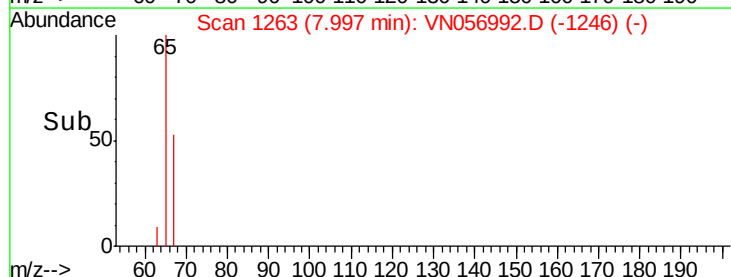
2000

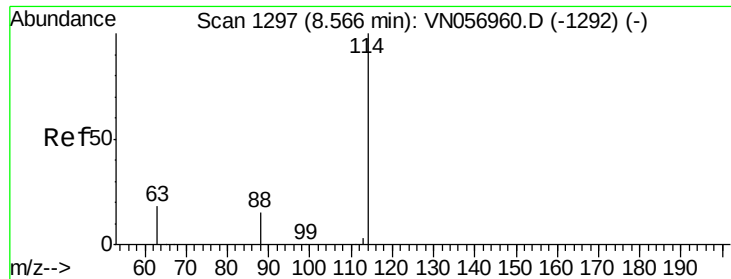
1000

0

Time-->

7.80 8.00 8.20 8.40





#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

Instrument :

MSVOA\_N

ClientSampleId :

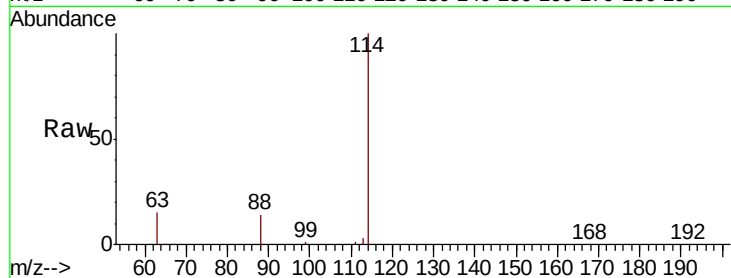
Tot Ion:114 Resp: 60685

Ion Ratio Lower Upper

114 100

63 14.5 0.0 37.6

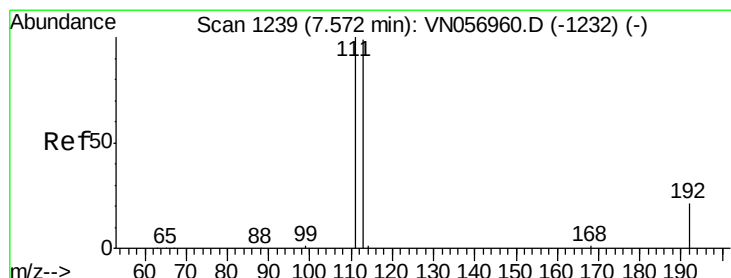
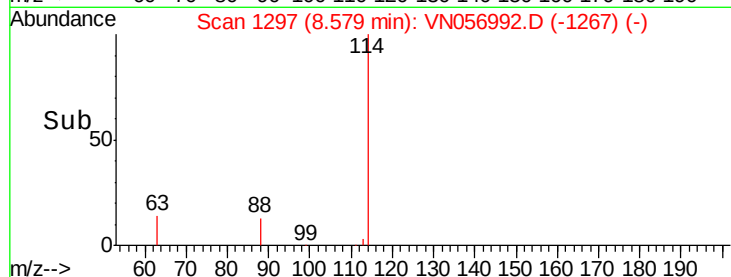
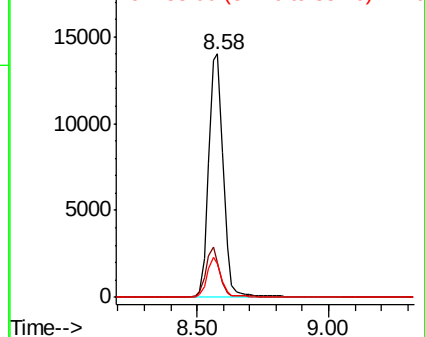
88 13.6 0.0 31.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0



#5

Dibromofluoromethane

Concen: 4.024 ug/l

RT: 7.57 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

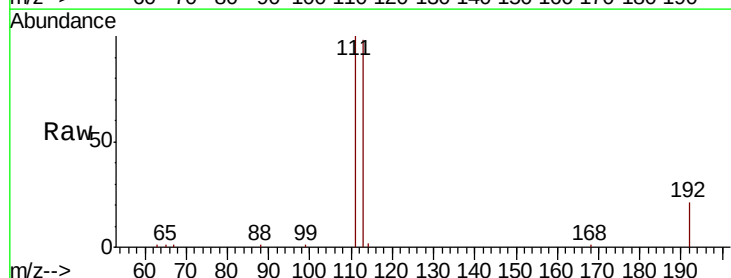
Tgt Ion:113 Resp: 16590

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

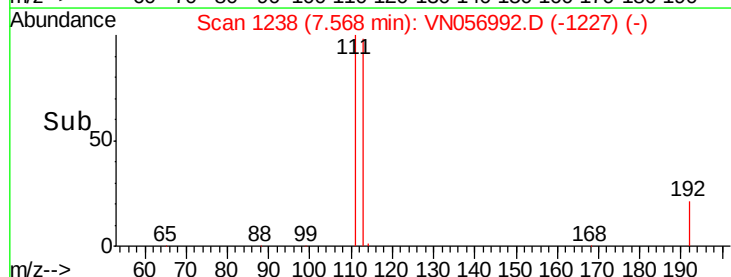
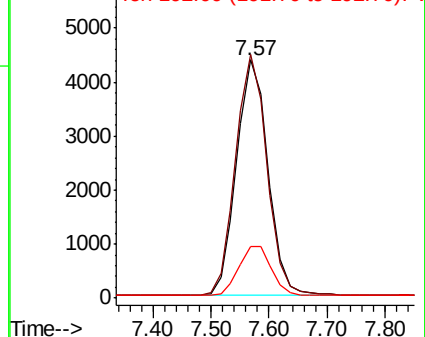
192 21.9 17.9 26.9

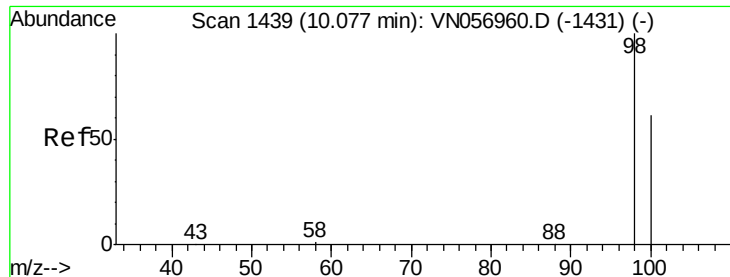


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#6

Toluene-d8

Concen: 3.833 ug/l

RT: 10.08 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

Instrument :

MSVOA\_N

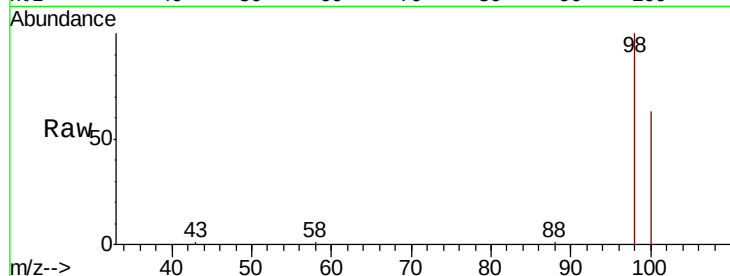
ClientSampleId :

Tot Ion: 98 Resp: 32245

Ion Ratio Lower Upper

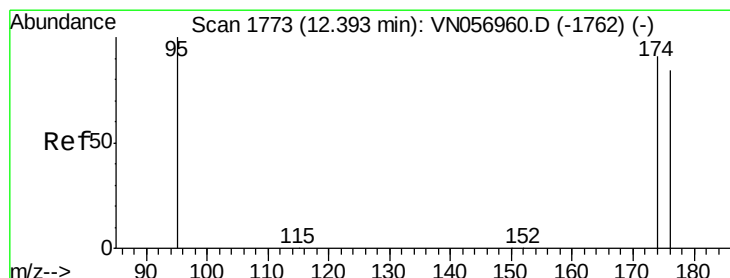
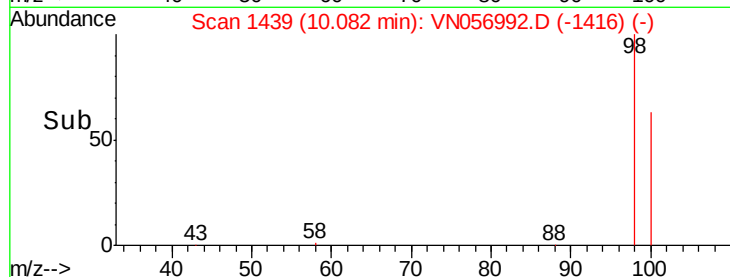
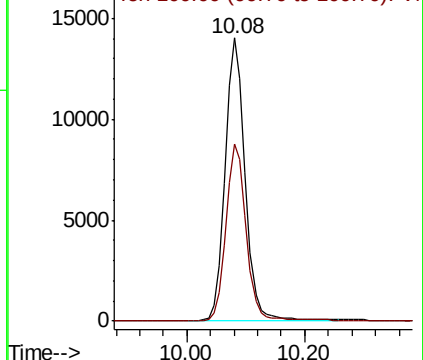
98 100

100 62.7 49.0 73.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#7

4-Bromofluorobenzene

Concen: 3.989 ug/l

RT: 12.40 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

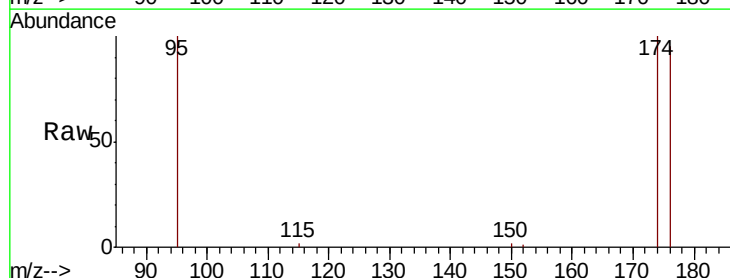
Tgt Ion: 95 Resp: 7833

Ion Ratio Lower Upper

95 100

174 100.3 0.0 181.4

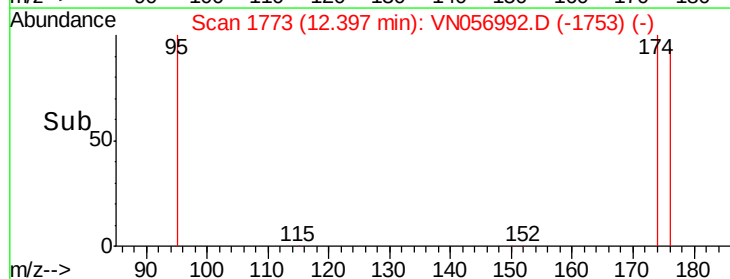
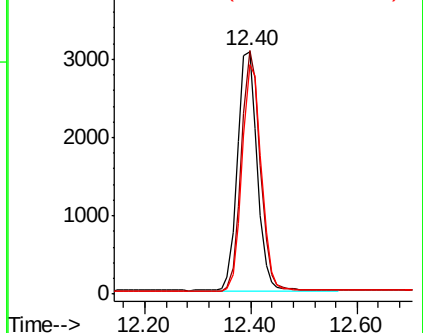
176 94.8 0.0 168.2

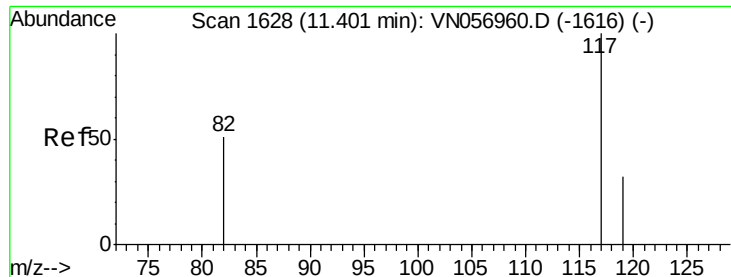


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.40 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

Instrument :

MSVOA\_N

ClientSampleId :

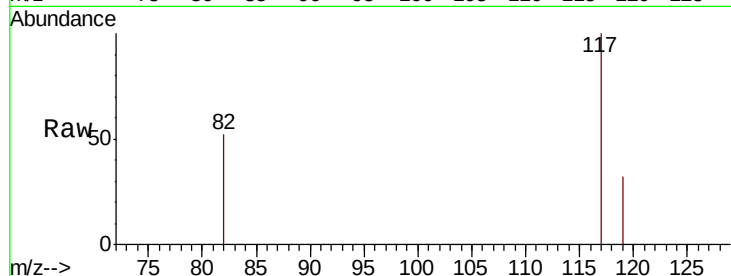
Tot Ion:117 Resp: 35808

Ion Ratio Lower Upper

117 100

82 52.1 40.7 61.1

119 31.7 25.6 38.4

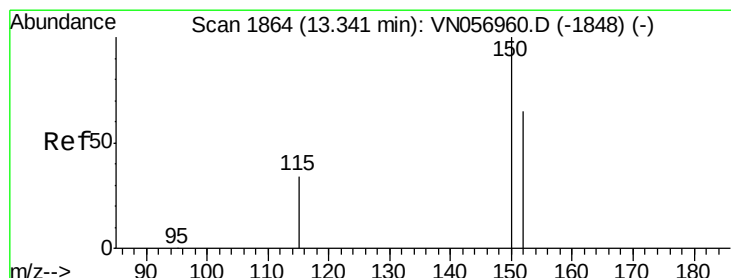
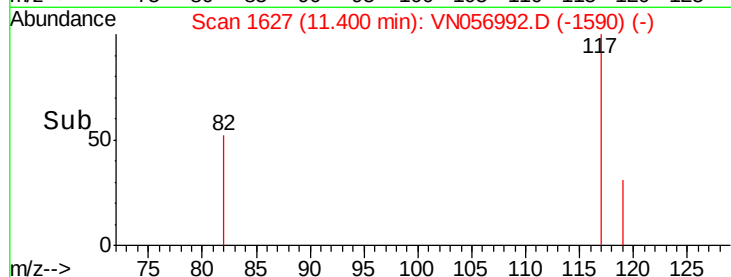
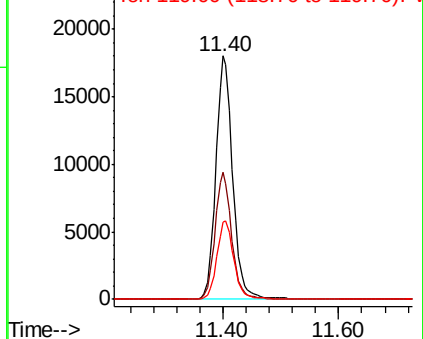


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.35 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN056992.D

Acq: 30 Jul 2019 22:32

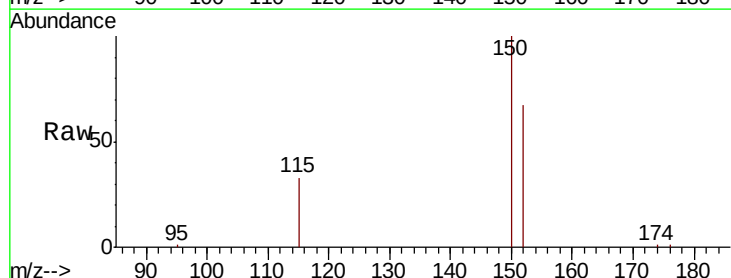
Tgt Ion:152 Resp: 5416

Ion Ratio Lower Upper

152 100

115 50.0 27.0 80.8

150 150.2 0.0 306.8



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

