

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062719\  
 Data File : VN056537.D  
 Acq On : 28 Jun 2019 2:41  
 Operator : JC/SP  
 Sample : K3519-07MSD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-19-LF2MW2MSD

Quant Time: Jun 28 03:31:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062719SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 03:22:32 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 49235    | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.58  | 114  | 88462    | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 53500    | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 8351     | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.01  | 65    | 31343    | 5.20     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 104.00% |
| 5) Dibromofluoromethane  | 7.59  | 113   | 23485    | 4.82     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 96.40%  |
| 6) Toluene-d8            | 10.09 | 98    | 52299    | 4.74     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 94.80%  |
| 7) 4-Bromofluorobenzene  | 12.39 | 95    | 13463    | 4.77     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 95.40%  |

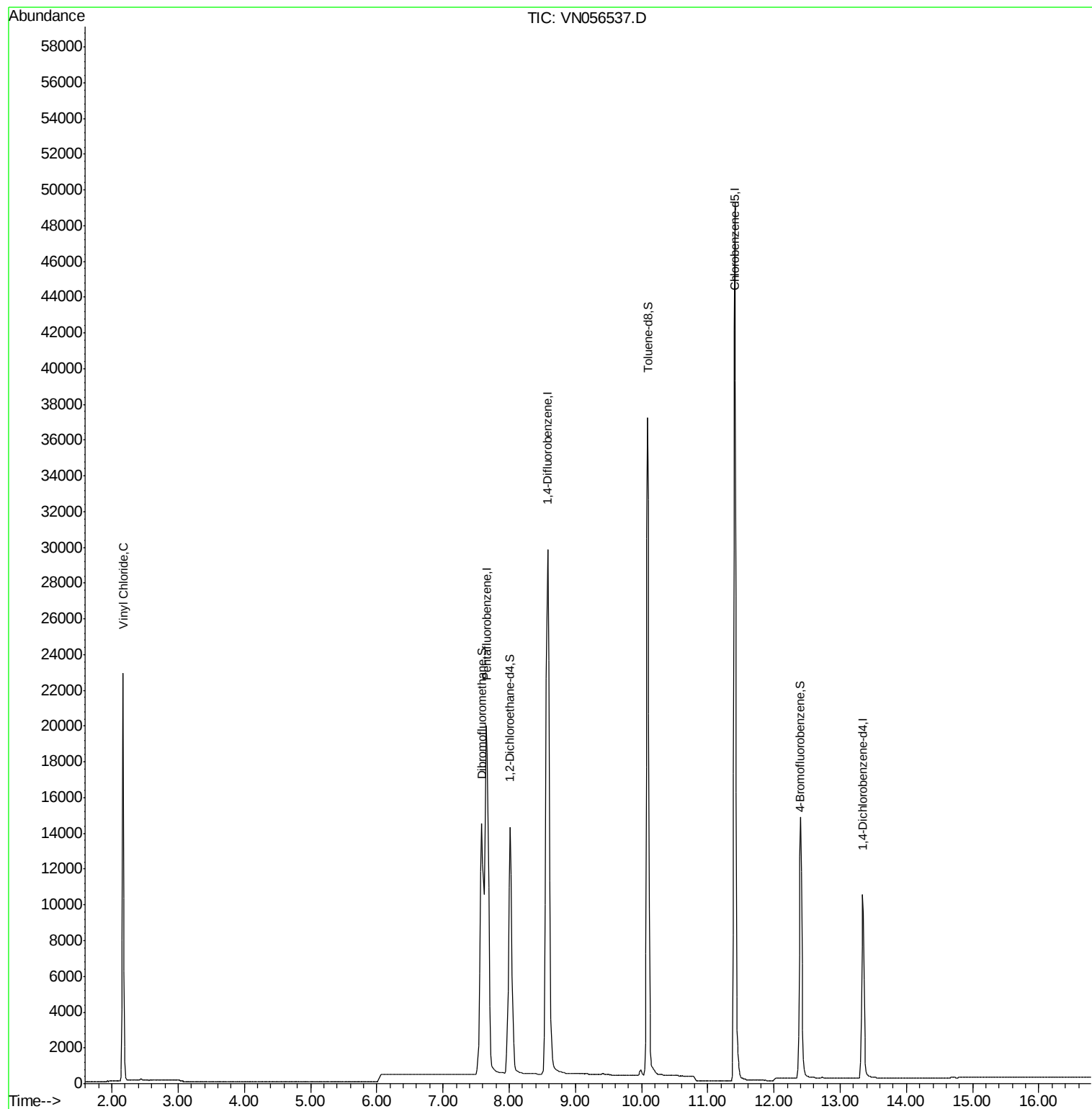
| Target Compounds  |      |    |       |       | Qvalue  |
|-------------------|------|----|-------|-------|---------|
| 2) Vinyl Chloride | 2.17 | 62 | 26398 | 5.363 | ug/l 99 |

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

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Quant Title : SW846 8260  
QLast Update : Fri Jun 28 03:22:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

Instrument :

MSVOA\_N

ClientSampleId :

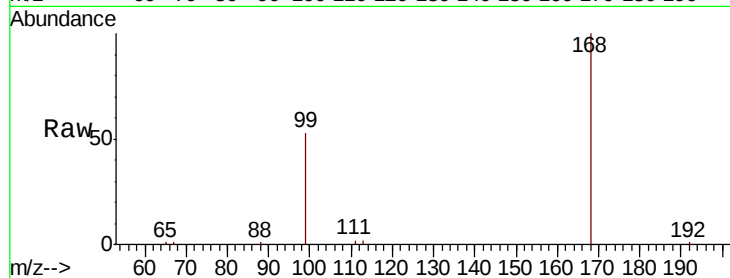
SP-19-LF2MW2MSD

Tot Ion:168 Resp: 49235

Ion Ratio Lower Upper

168 100

99 52.5 41.9 62.9



Abundance Ion 168.00 (167.70 to 168.70): VN056537.D (-1225) (-)

Ion 99.00 (98.70 to 99.70): VN056537.D (-1225) (-)

7.65

15000

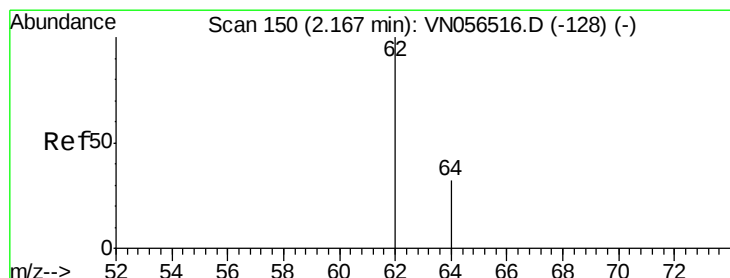
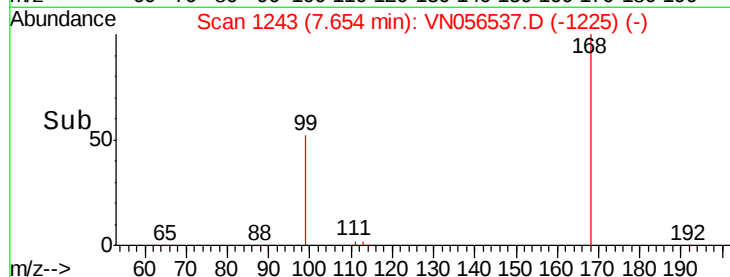
10000

5000

0

Time-->

7.40 7.60 7.80 8.00



#2

Vinyl Chloride

Concen: 5.363 ug/l

RT: 2.17 min Scan# 150

Delta R.T. 0.00 min

Lab File: VN056537.D

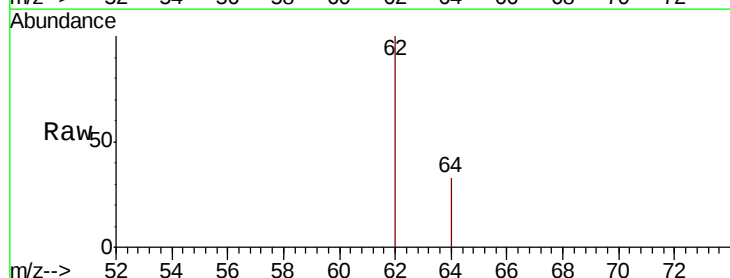
Acq: 28 Jun 2019 2:41

Tgt Ion: 62 Resp: 26398

Ion Ratio Lower Upper

62 100

64 32.9 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN056537.D (-98) (-)

Ion 64.00 (63.70 to 64.70): VN056537.D (-98) (-)

2.17

20000

15000

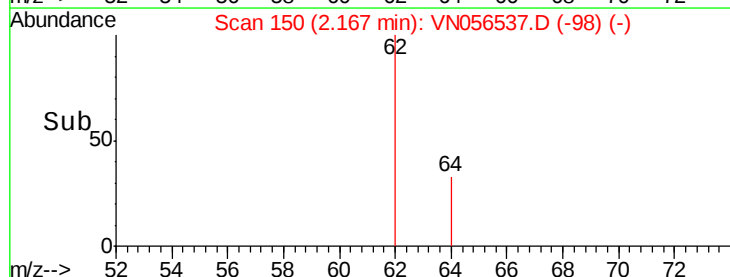
10000

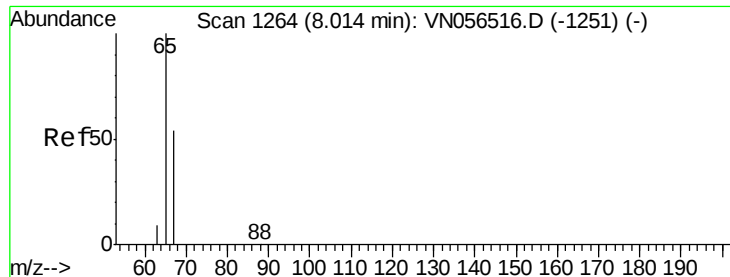
5000

0

Time-->

2.10 2.20 2.30





#3

1,2-Dichloroethane-d4

Concen: 5.197 ug/l

RT: 8.01 min Scan# 1264

Delta R.T. 0.00 min

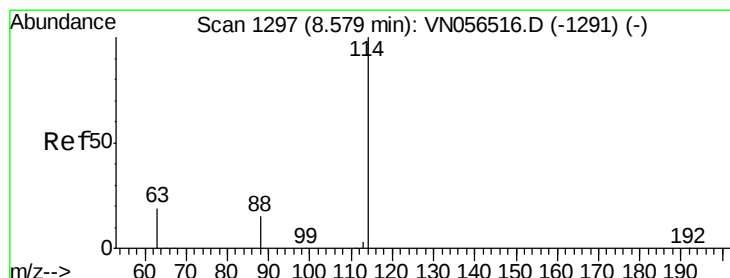
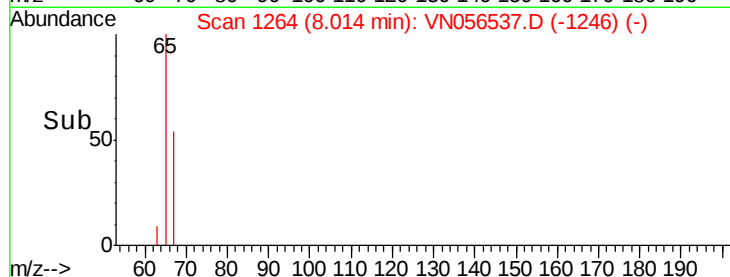
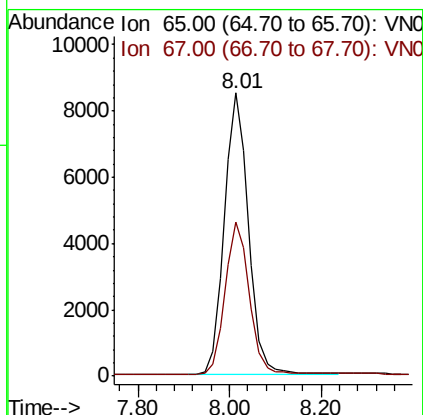
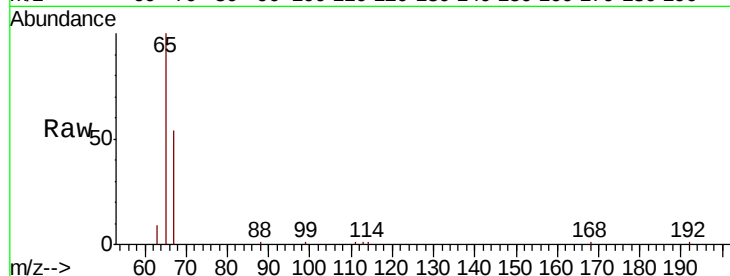
Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
SP-19-LF2MW2MSD

Tot Ion: 65 Resp: 31343

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.2  | 0.0   | 108.8 |



#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.58 min Scan# 1297

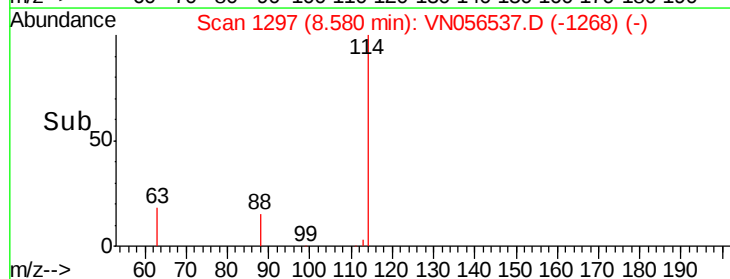
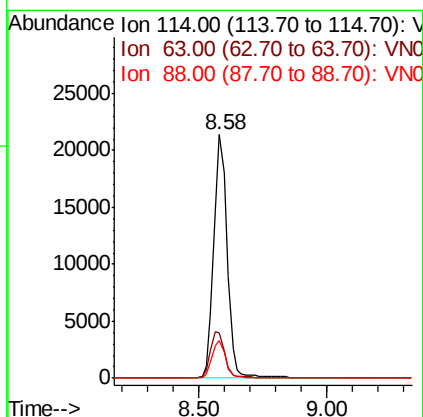
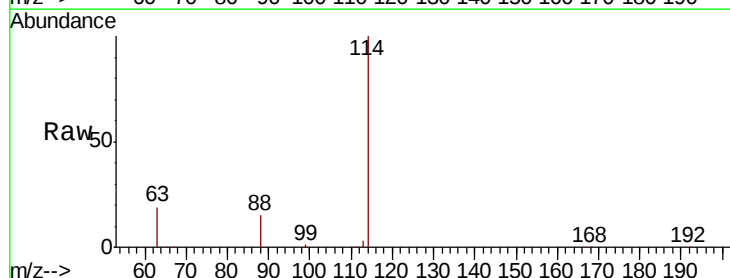
Delta R.T. 0.00 min

Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

Tgt Ion: 114 Resp: 88462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.8  | 0.0   | 37.6  |
| 88  | 15.4  | 0.0   | 31.2  |

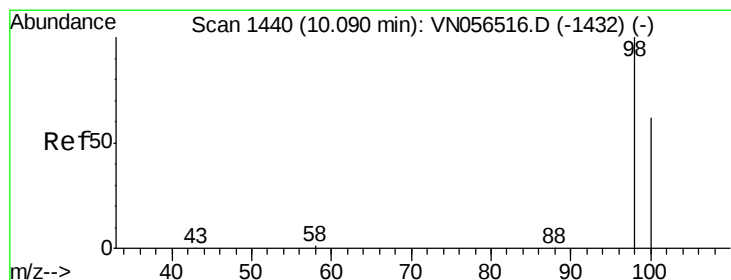
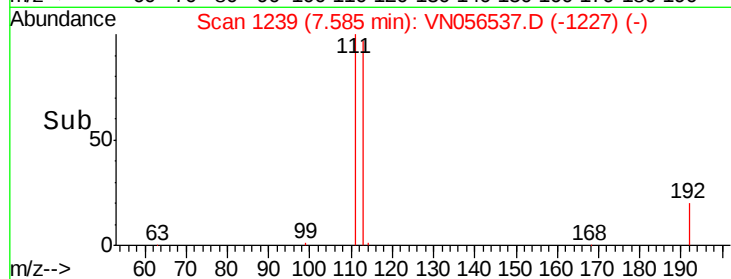
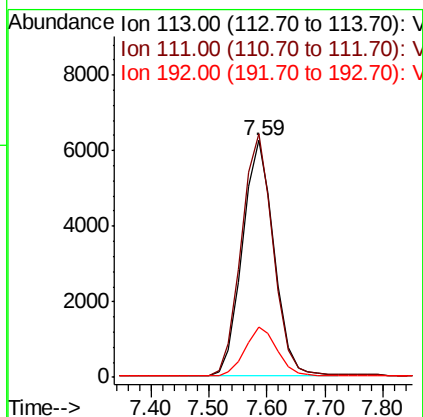
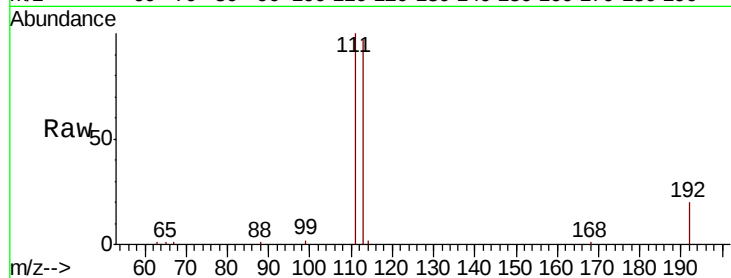




#5  
 Dibromofluoromethane  
 Concen: 4.816 ug/l  
 RT: 7.59 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VN056537.D  
 Acq: 28 Jun 2019 2:41

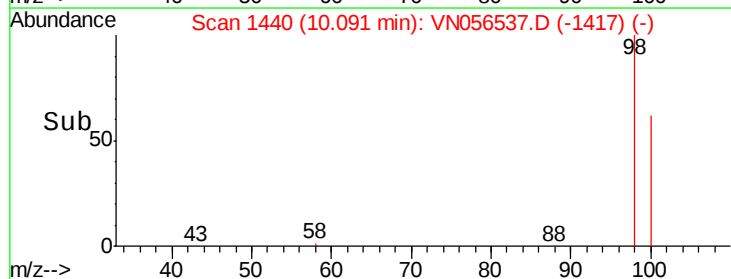
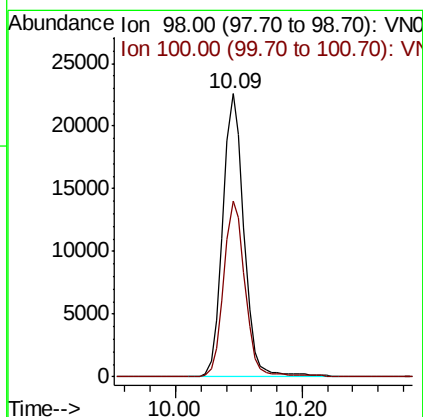
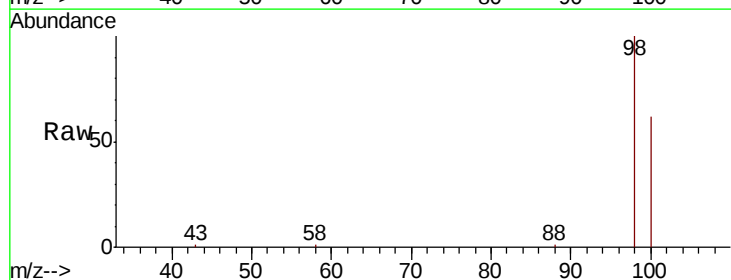
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-19-LF2MW2MSD

Tot Ion:113 Resp: 23485  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.7 122.5  
 192 21.0 16.9 25.3



#6  
 Toluene-d8  
 Concen: 4.740 ug/l  
 RT: 10.09 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: VN056537.D  
 Acq: 28 Jun 2019 2:41

Tgt Ion: 98 Resp: 52299  
 Ion Ratio Lower Upper  
 98 100  
 100 62.1 49.7 74.5





#7

4-Bromofluorobenzene

Concen: 4.770 ug/l

RT: 12.39 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

Instrument :

MSVOA\_N

ClientSampleId :

SP-19-LF2MW2MSD

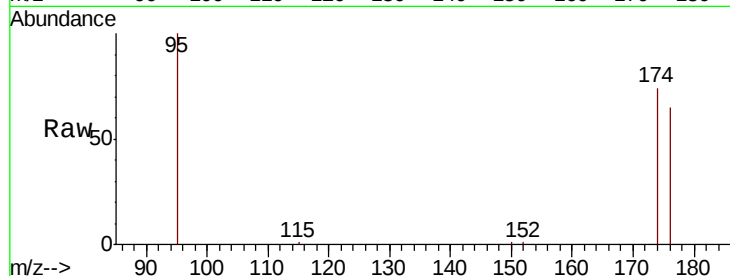
Tot Ion: 95 Resp: 13463

Ion Ratio Lower Upper

95 100

174 73.8 0.0 167.8

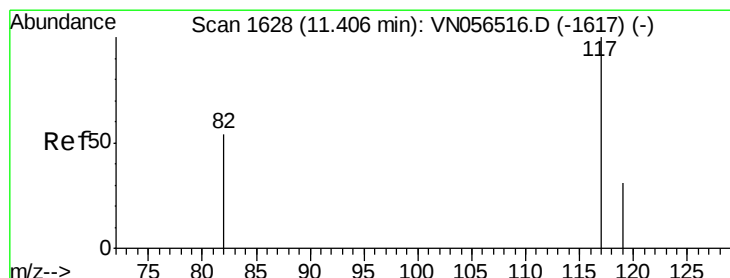
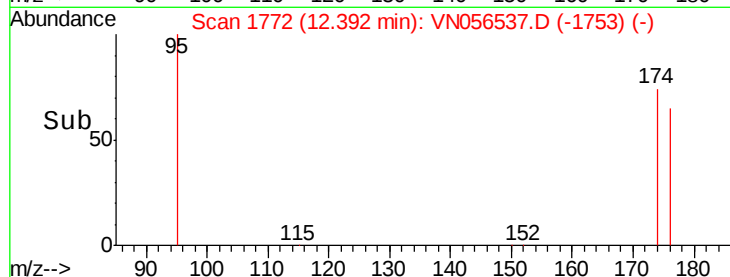
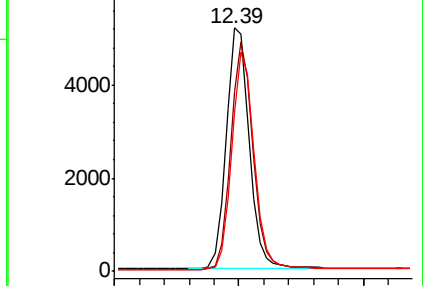
176 65.5 0.0 158.0



Abundance Ion 95.00 (94.70 to 95.70): VN056516.D (-1763) (-)

Ion 174.00 (173.70 to 174.70): VN056516.D (-1763) (-)

Ion 176.00 (175.70 to 176.70): VN056516.D (-1763) (-)



#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

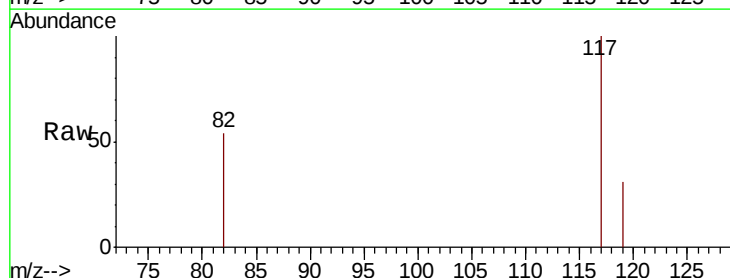
Tgt Ion: 117 Resp: 53500

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

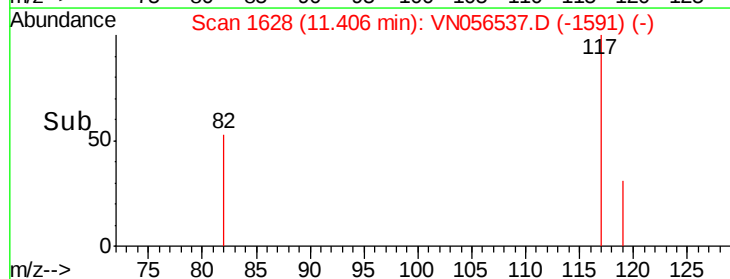
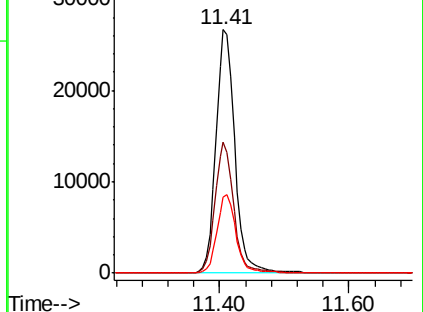
119 31.1 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VN056516.D (-1617) (-)

Ion 82.00 (81.70 to 82.70): VN056516.D (-1617) (-)

Ion 119.00 (118.70 to 119.70): VN056516.D (-1617) (-)





#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.34 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN056537.D

Acq: 28 Jun 2019 2:41

Instrument :

MSVOA\_N

ClientSampleId :

SP-19-LF2MW2MSD

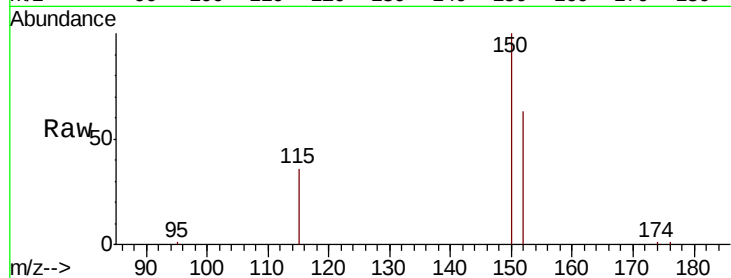
Tot Ion:152 Resp: 8351

Ion Ratio Lower Upper

152 100

115 57.4 27.0 80.8

150 158.4 0.0 306.6



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

