

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\  
 Data File : VN055614.D  
 Acq On : 17 May 2019 16:46  
 Operator : JC/SP  
 Sample : K2822-03  
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-3

Quant Time: May 18 03:39:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 348616   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 501856   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 423377   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 187516   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 168846   | 44.18 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.36% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 151797   | 47.61 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.22% |          |
| 50) Toluene-d8              | 10.09 | 98   | 582215   | 48.30 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.60% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 191107   | 45.91 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.82% |          |

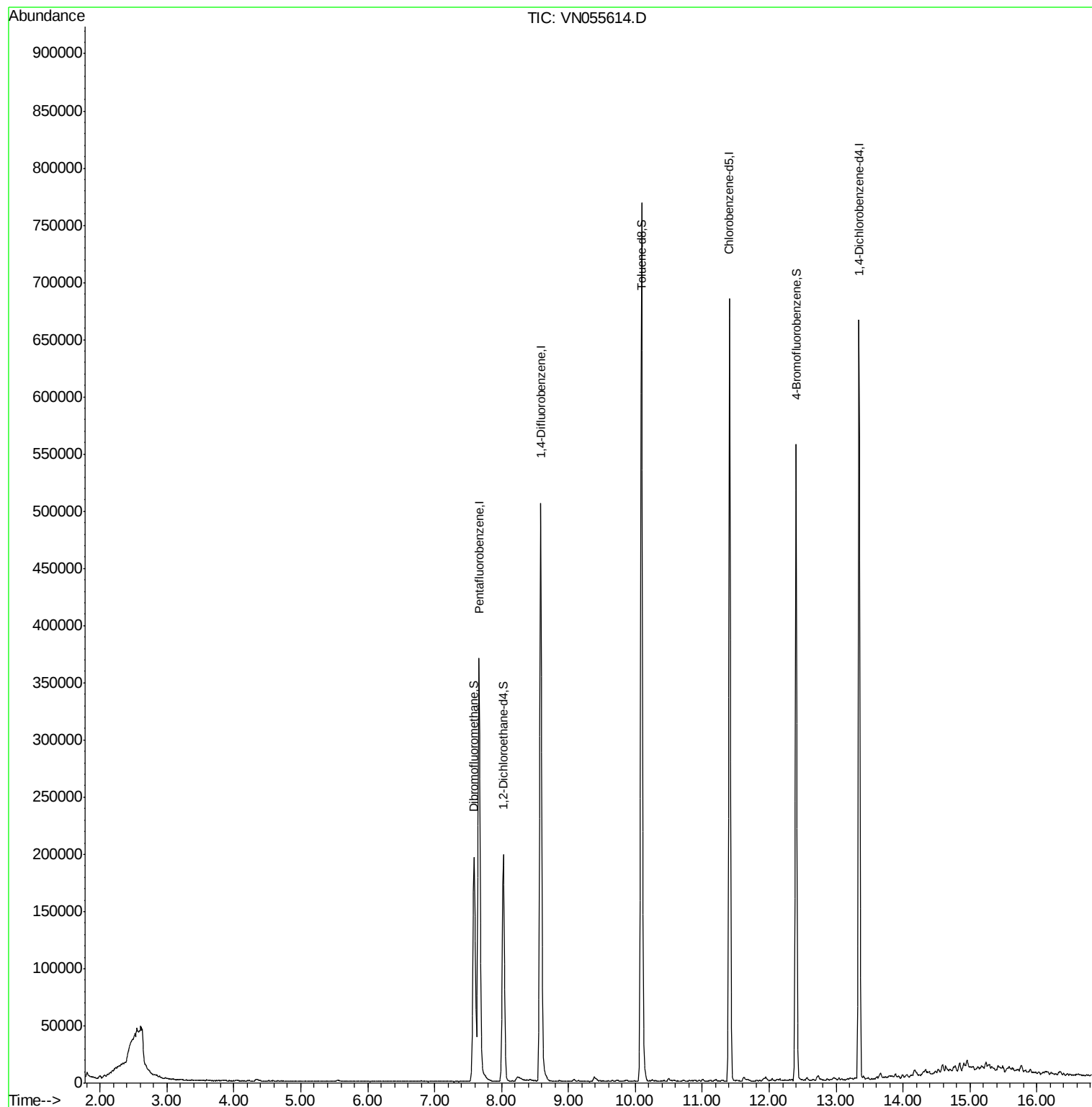
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051719\  
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Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 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: VN055614.D

Acq: 17 May 2019 16:46

Instrument :

MSVOA\_N

ClientSampled :

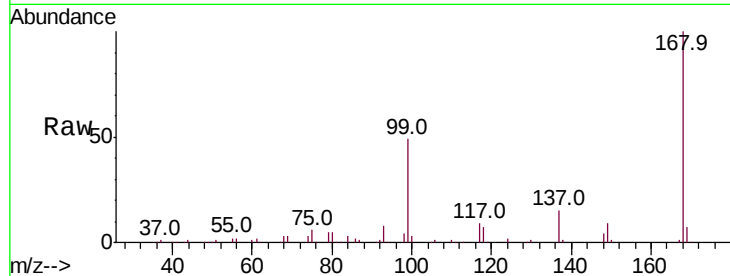
S-3

Tot Ion:168 Resp: 348616

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

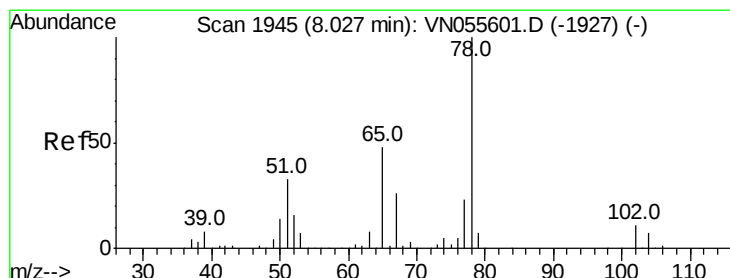
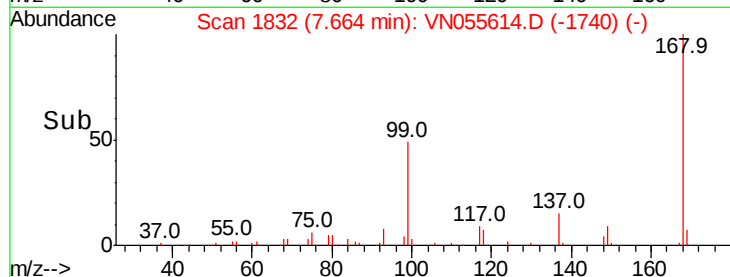
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.183 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055614.D

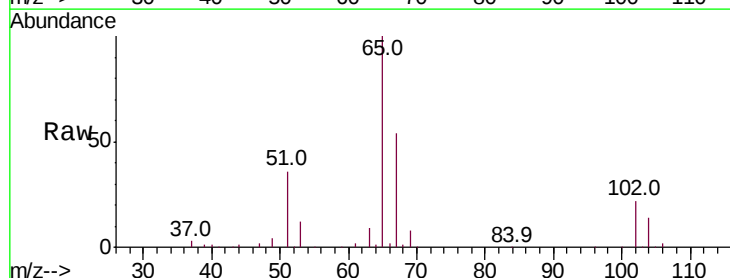
Acq: 17 May 2019 16:46

Tgt Ion: 65 Resp: 168846

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.02

80000

60000

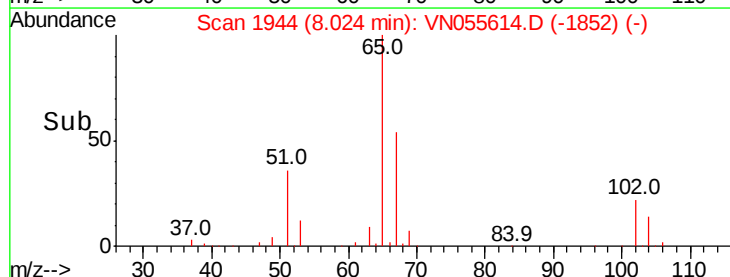
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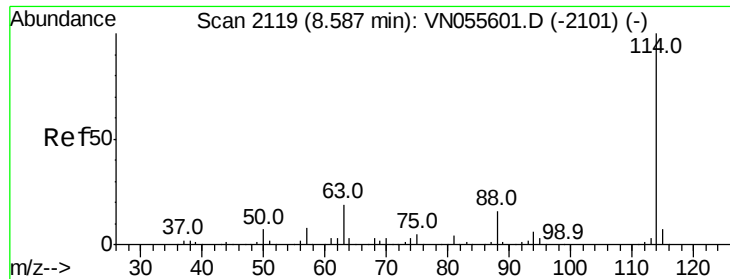
20000

0

7.90 8.00 8.10 8.20

Time-->

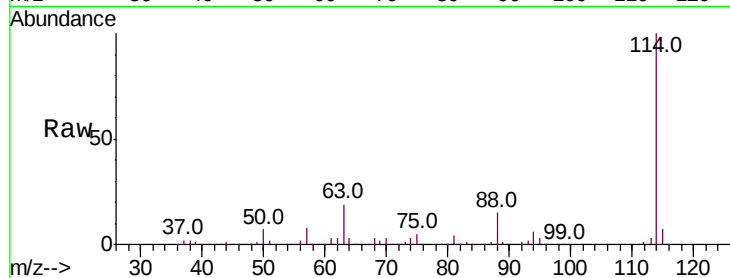




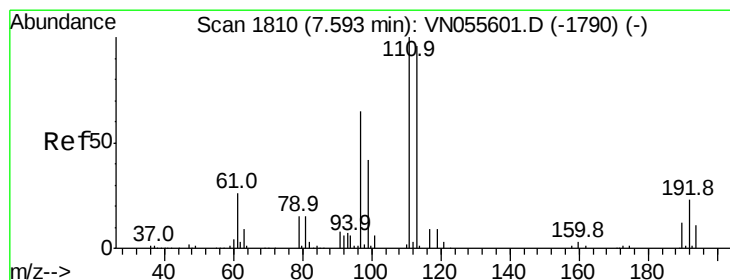
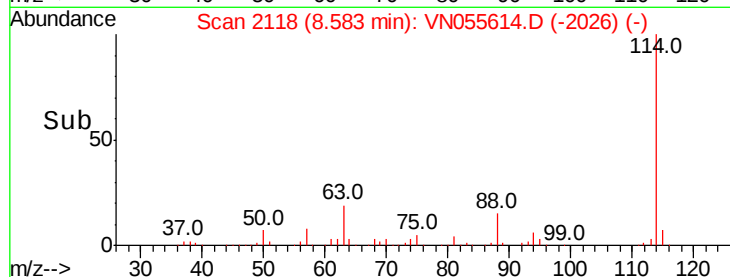
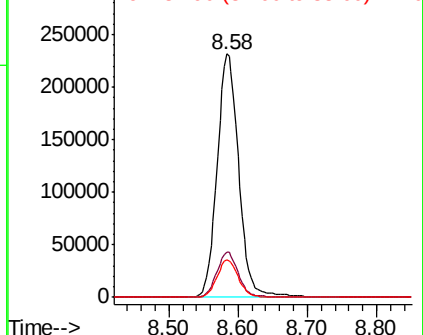
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN055614.D  
 Acq: 17 May 2019 16:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-3

Tot Ion:114 Resp: 501856  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 38.2  
 88 15.3 0.0 31.0

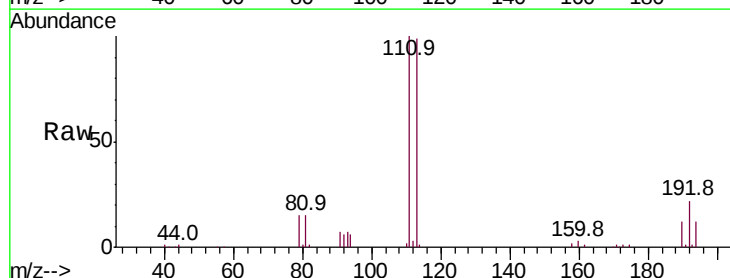


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

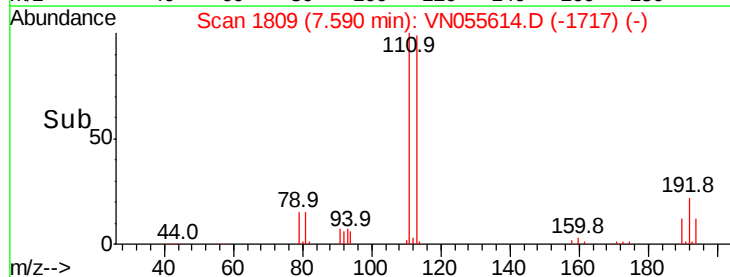
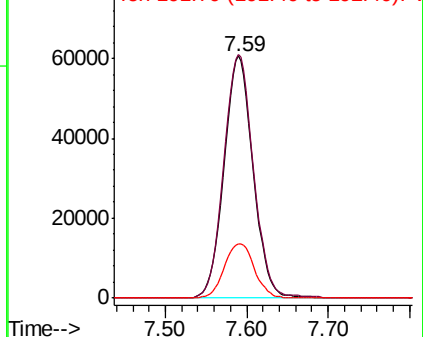


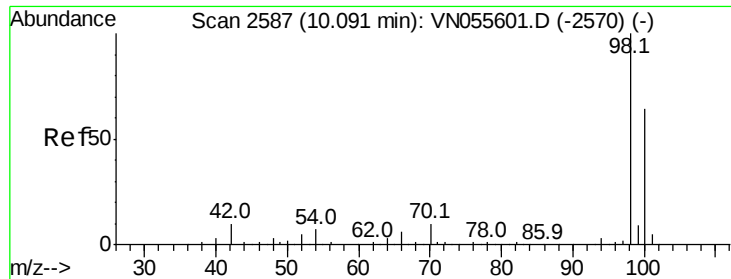
#35  
 Dibromofluoromethane  
 Concen: 47.615 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN055614.D  
 Acq: 17 May 2019 16:46

Tgt Ion:113 Resp: 151797  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 82.5 123.7  
 192 23.4 18.7 28.1



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: 48.299 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055614.D

Acq: 17 May 2019 16:46

Instrument :

MSVOA\_N

ClientSampleId :

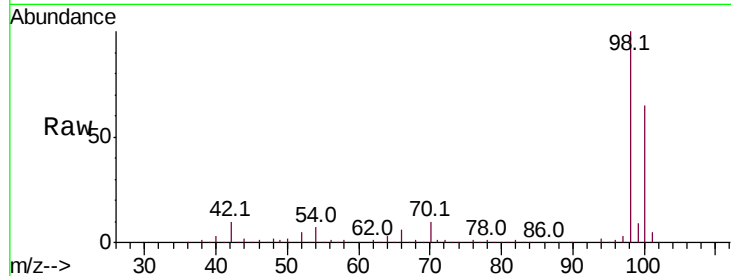
S-3

Tot Ion: 98 Resp: 582215

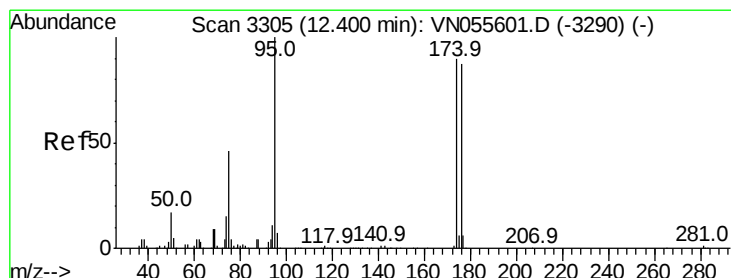
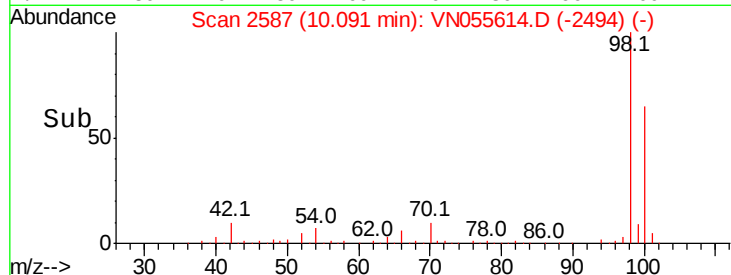
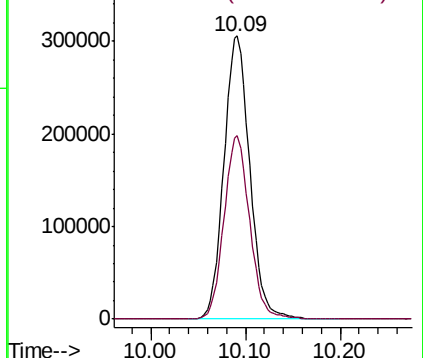
Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055614.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 45.911 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055614.D

Acq: 17 May 2019 16:46

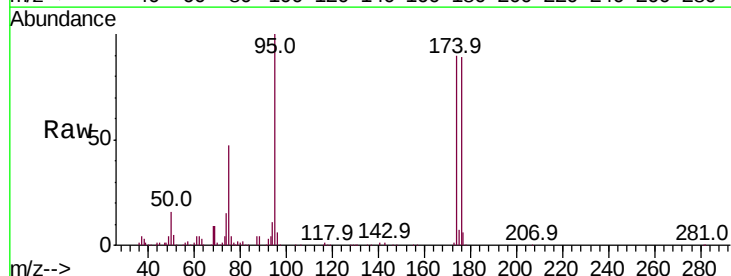
Tgt Ion: 95 Resp: 191107

Ion Ratio Lower Upper

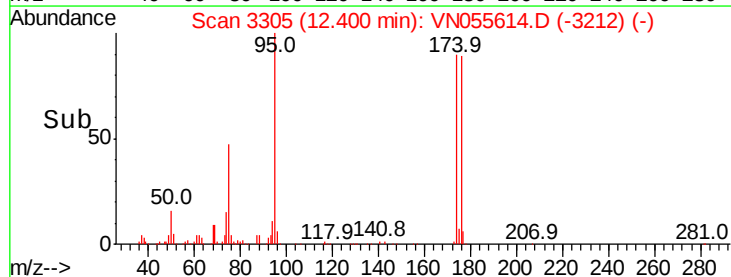
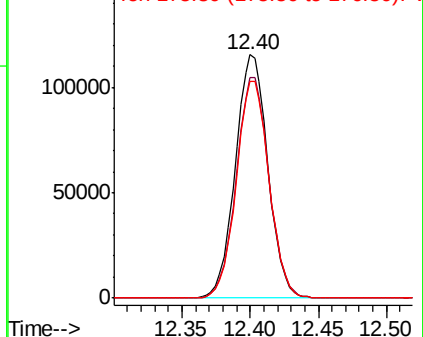
95 100

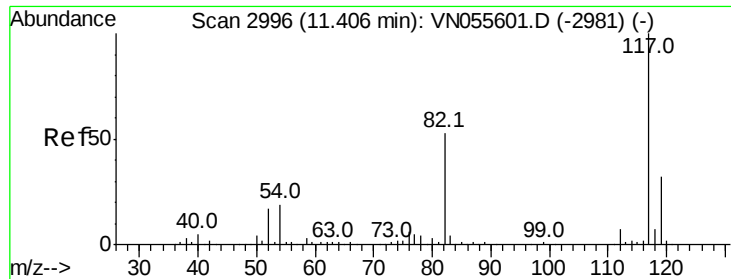
174 90.9 0.0 180.6

176 89.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN055614.D (-3212) (-)

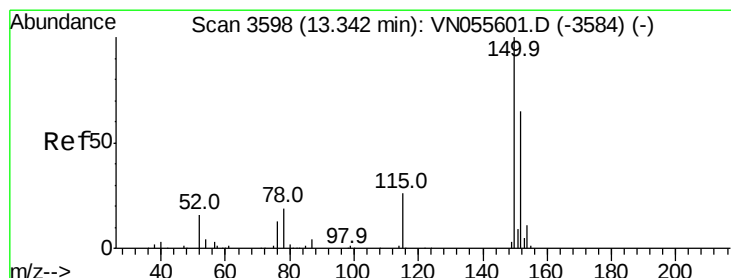
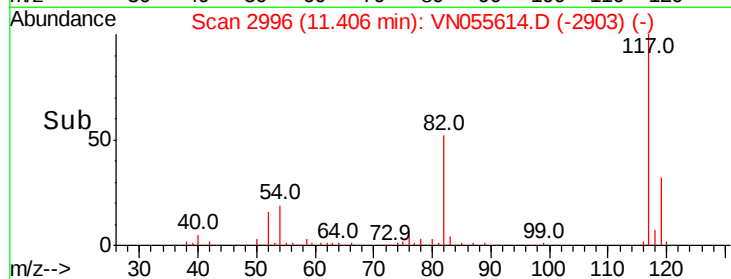
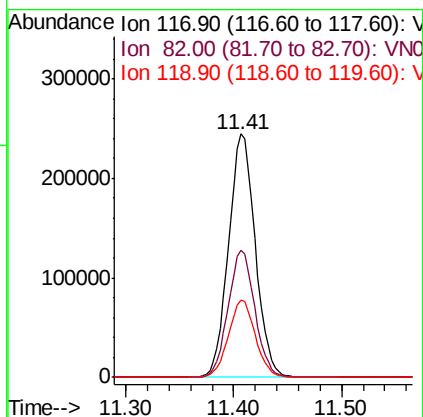
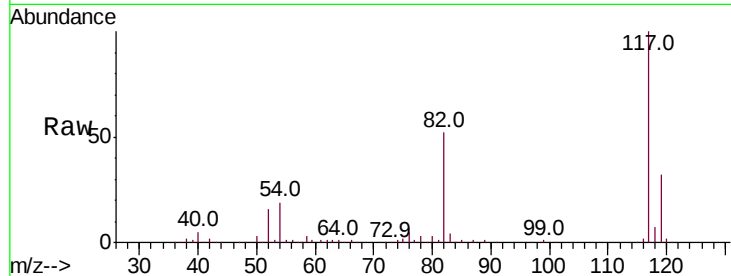




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055614.D  
Acq: 17 May 2019 16:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-3

Tot Ion:117 Resp: 423377  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.3 63.5  
119 31.6 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055614.D  
Acq: 17 May 2019 16:46

Tgt Ion:152 Resp: 187516  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.1 84.2  
150 157.4 0.0 348.0

