

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\  
 Data File : VN055762.D  
 Acq On : 23 May 2019 18:51  
 Operator : JC/SP  
 Sample : K2647-14  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-03-052219-B

Quant Time: May 24 07:27:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

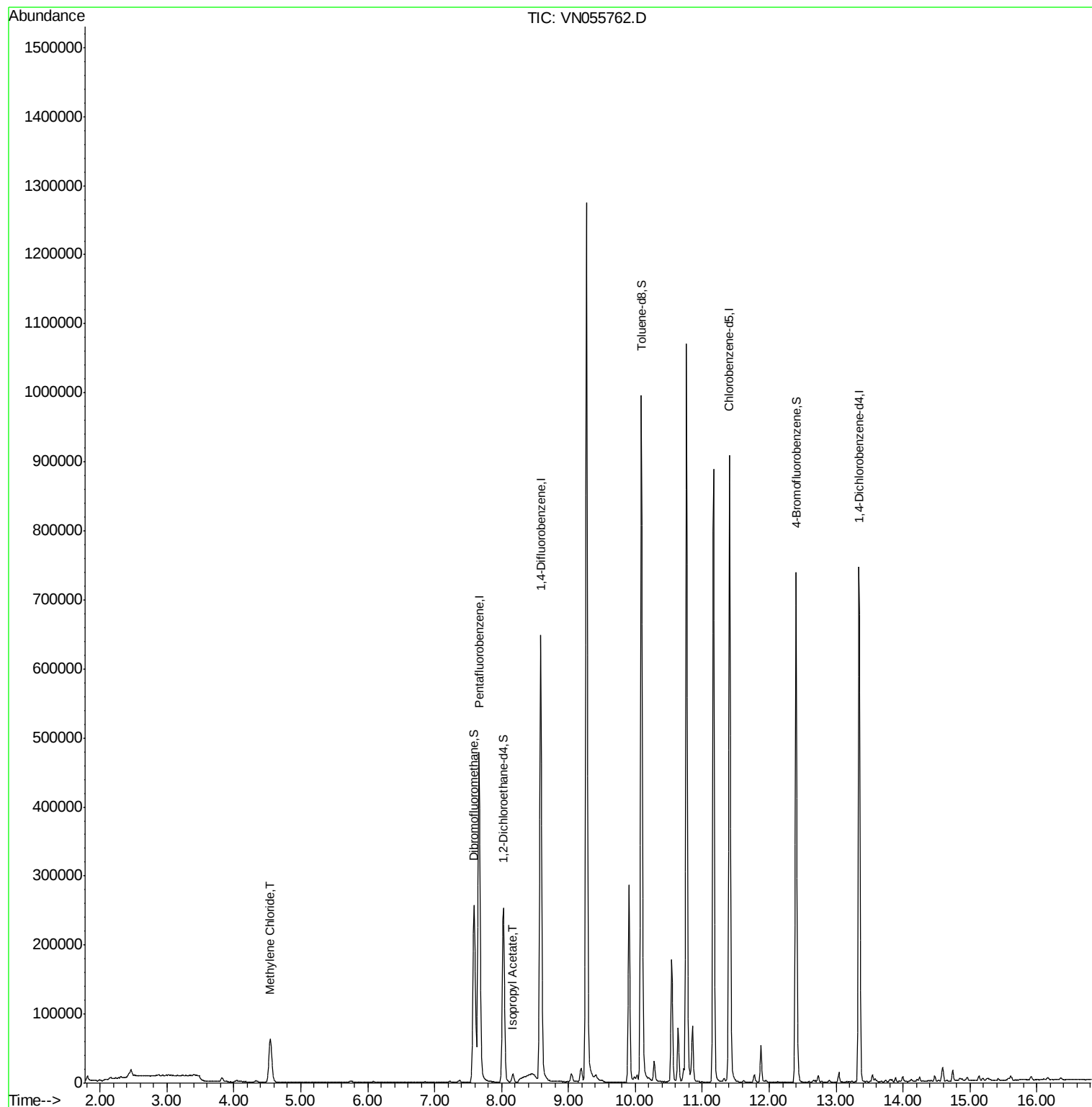
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.66   | 168  | 468415   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 643047   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 584162   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 228487   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 214511   | 44.34  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 88.68% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 195858   | 48.17  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 96.34% |          |
| 50) Toluene-d8              | 10.09  | 98   | 761327   | 48.82  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 252206   | 47.16  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 94.32% |          |
| Target Compounds            |        |      |          |        |        |          |
| 20) Methylene Chloride      | 4.55   | 84   | 50850    | 11.042 | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.17   | 43   | 14861    | 1.633  | ug/l # | 88       |

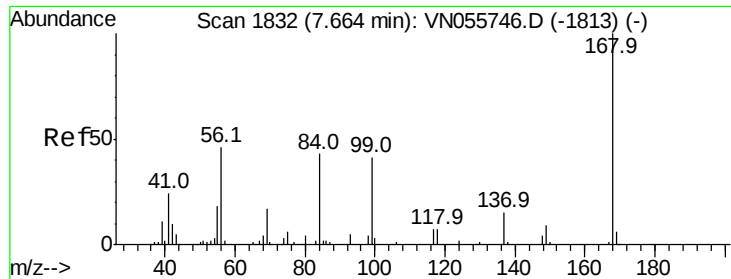
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\  
Data File : VN055762.D  
Acq On : 23 May 2019 18:51  
Operator : JC/SP  
Sample : K2647-14  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-03-052219-B

Quant Time: May 24 07:27:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 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: VN055762.D

Acq: 23 May 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

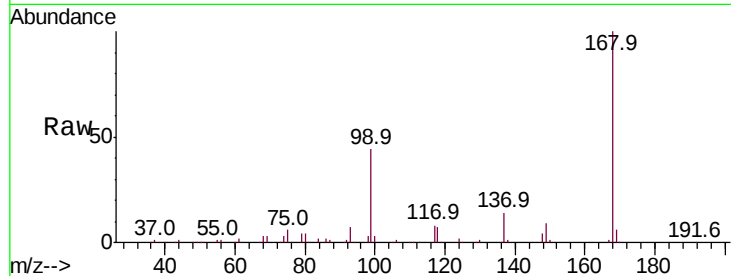
SU-03-052219-B

Tot Ion:168 Resp: 468415

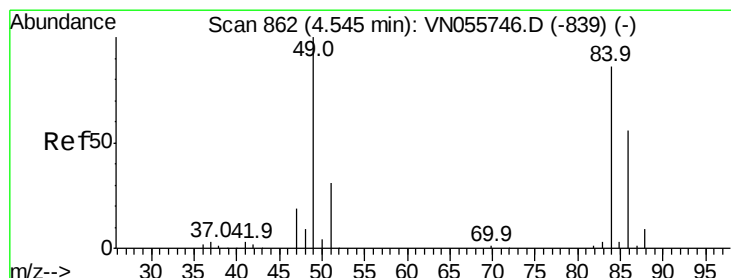
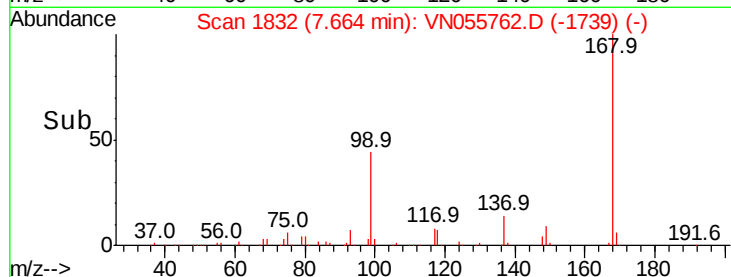
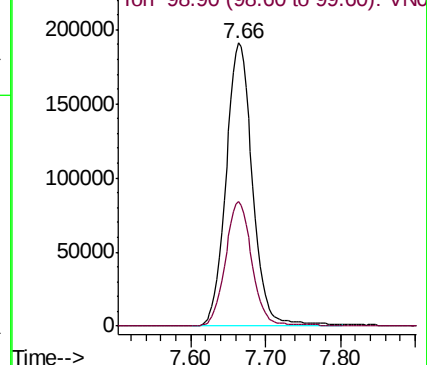
Ion Ratio Lower Upper

168 100

99 44.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)



#20

Methylene Chloride

Concen: 11.042 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055762.D

Acq: 23 May 2019 18:51

Tgt Ion: 84 Resp: 50850

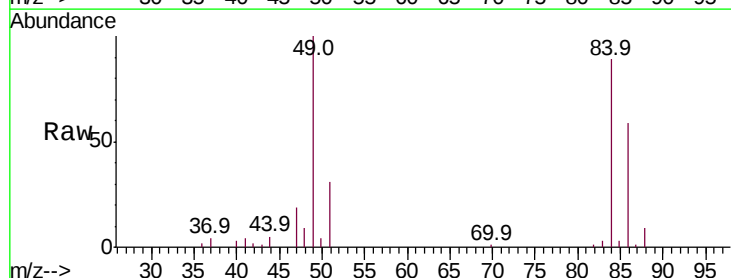
Ion Ratio Lower Upper

84 100

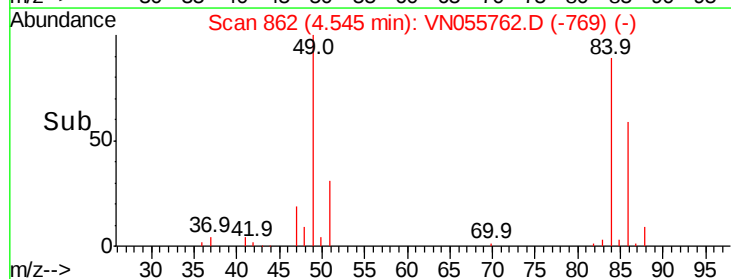
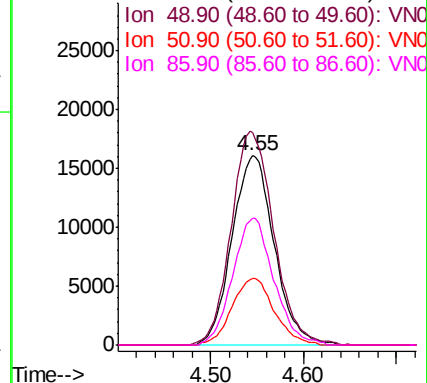
49 112.6 93.5 140.3

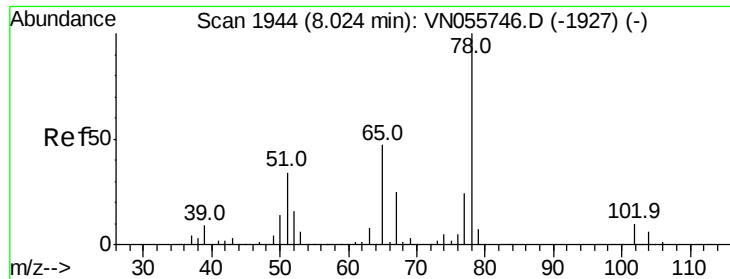
51 35.3 28.6 43.0

86 67.0 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055746.D (-839) (-)

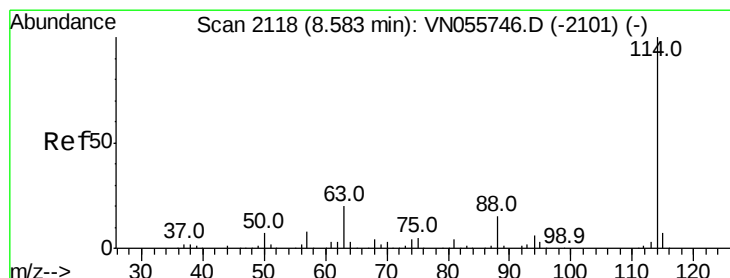
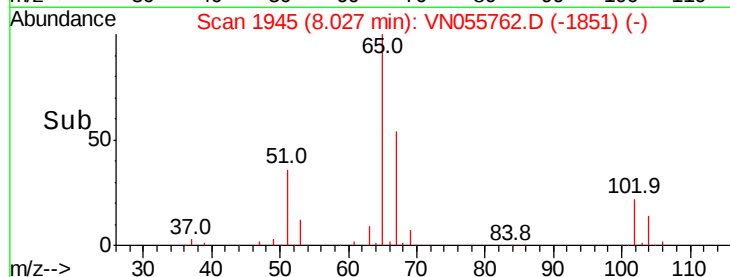
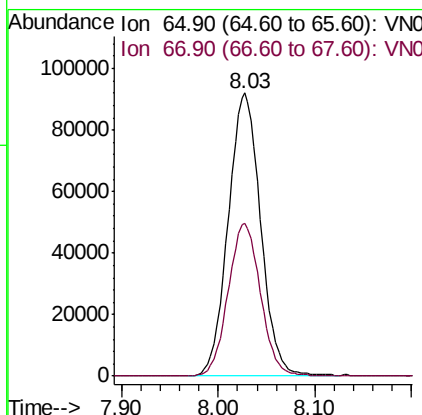
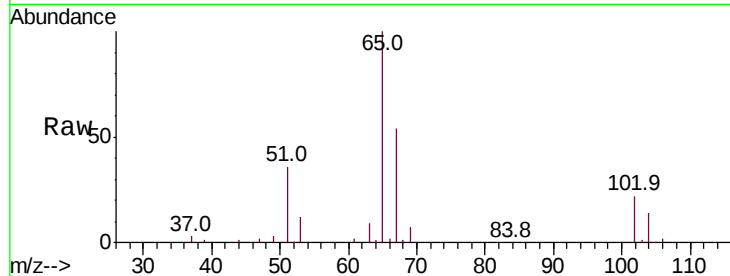




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.344 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055762.D  
 Acq: 23 May 2019 18:51

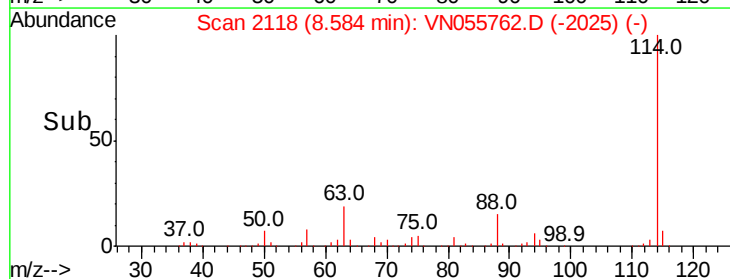
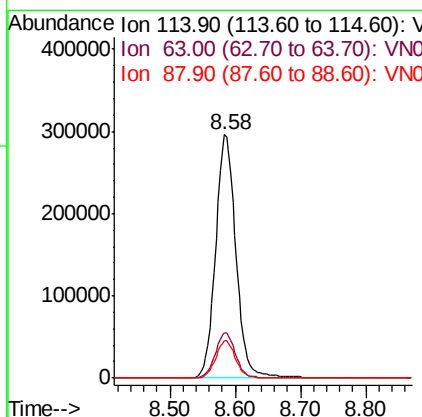
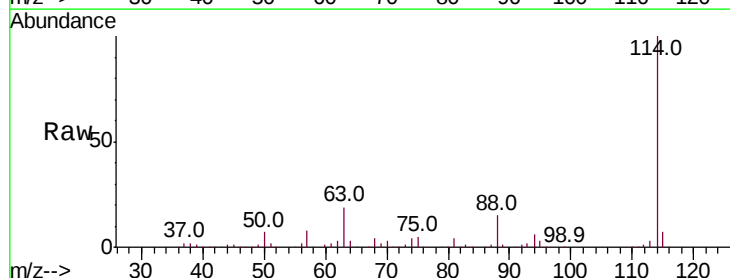
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-03-052219-B

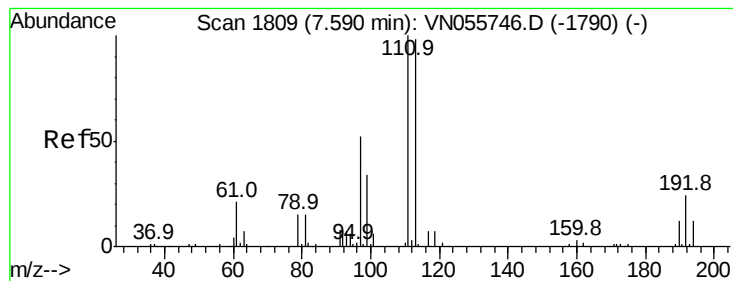
Tot Ion: 65 Resp: 214511  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055762.D  
 Acq: 23 May 2019 18:51

Tgt Ion: 114 Resp: 643047  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 39.2  
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.175 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055762.D

Acq: 23 May 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

SU-03-052219-B

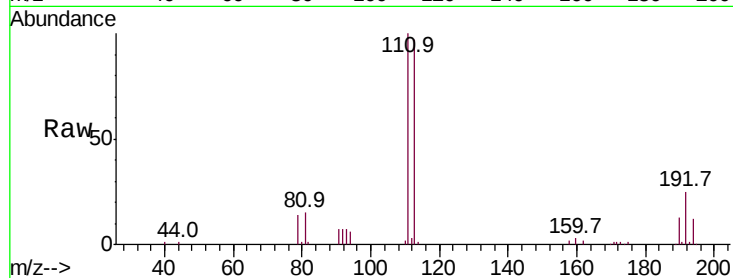
Tot Ion:113 Resp: 195858

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

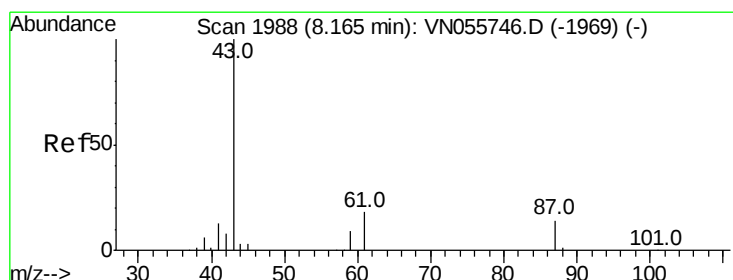
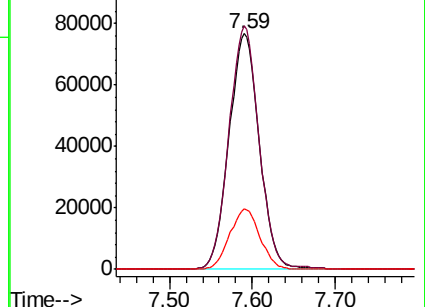
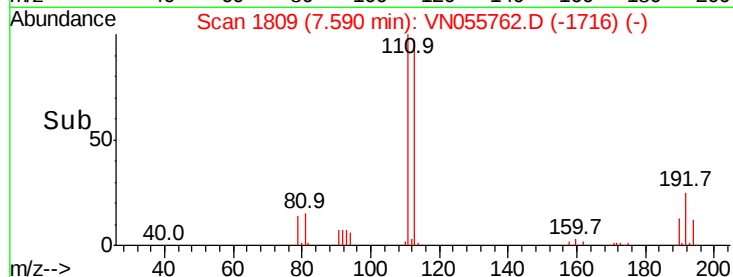
192 25.5 19.5 29.3



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



#43

Isopropyl Acetate

Concen: 1.633 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055762.D

Acq: 23 May 2019 18:51

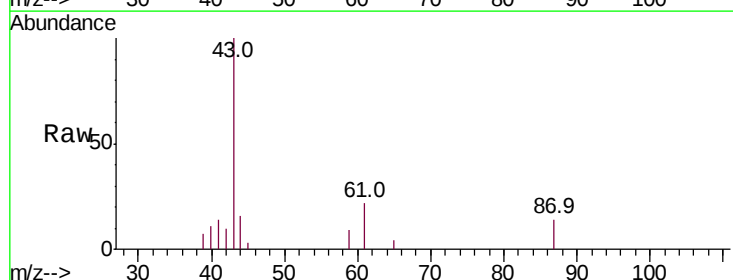
Tgt Ion: 43 Resp: 14861

Ion Ratio Lower Upper

43 100

61 19.6 22.2 33.4#

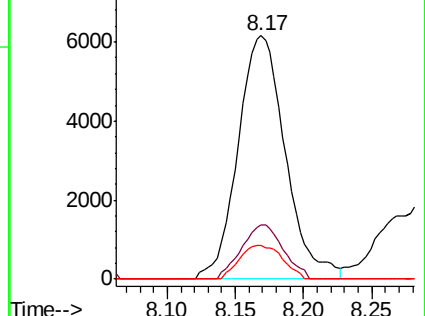
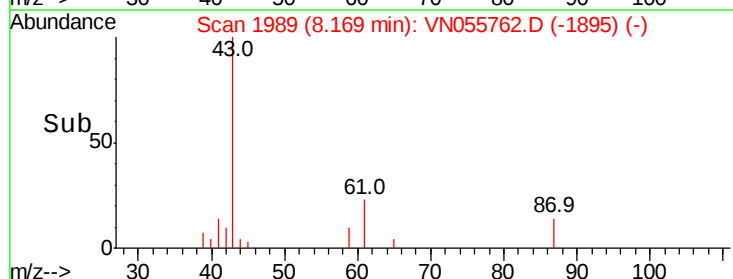
87 12.5 11.4 17.2

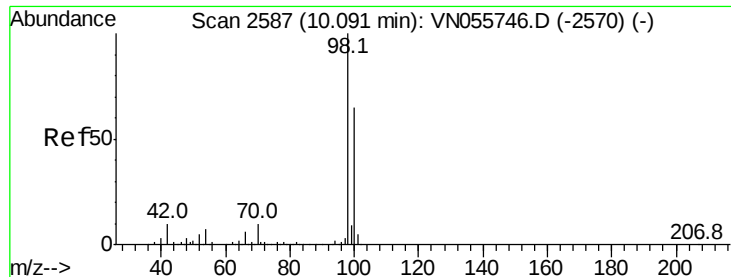


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.818 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055762.D

Acq: 23 May 2019 18:51

Instrument :

MSVOA\_N

ClientSampleId :

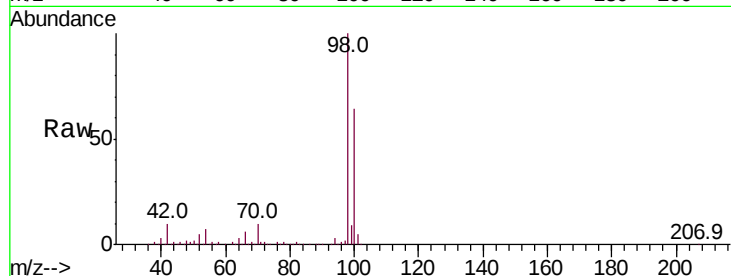
SU-03-052219-B

Tot Ion: 98 Resp: 761327

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)

10.09

400000

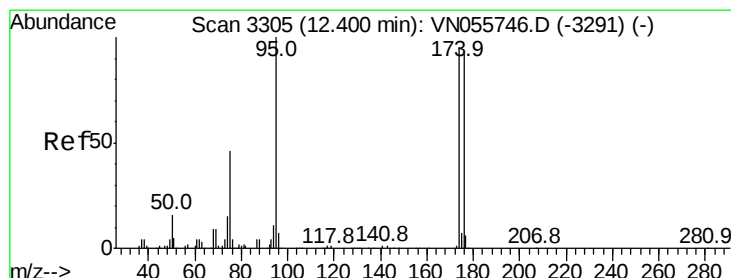
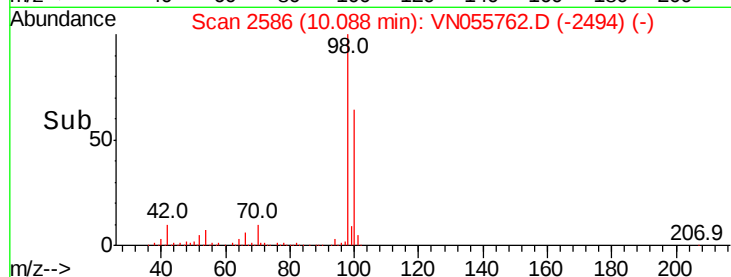
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.164 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055762.D

Acq: 23 May 2019 18:51

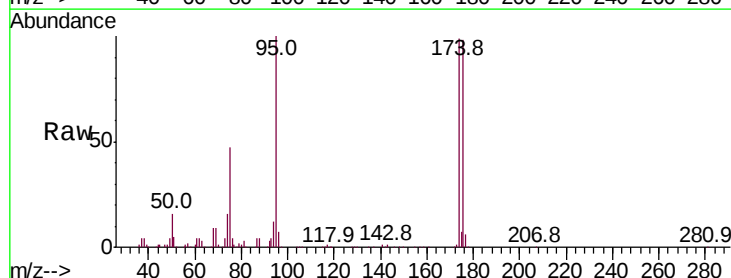
Tgt Ion: 95 Resp: 252206

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.0

176 98.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055746.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055746.D (-3291) (-)

12.40

200000

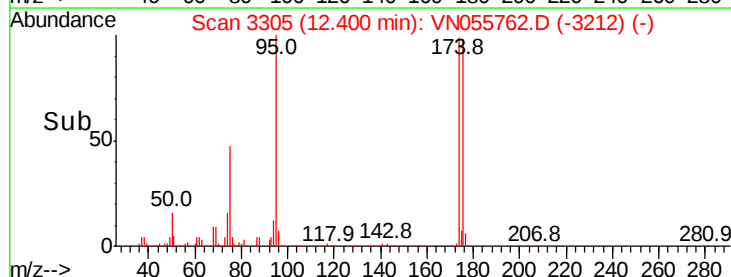
150000

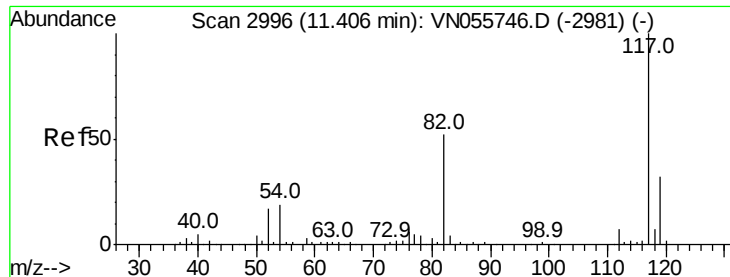
100000

50000

0

Time-->

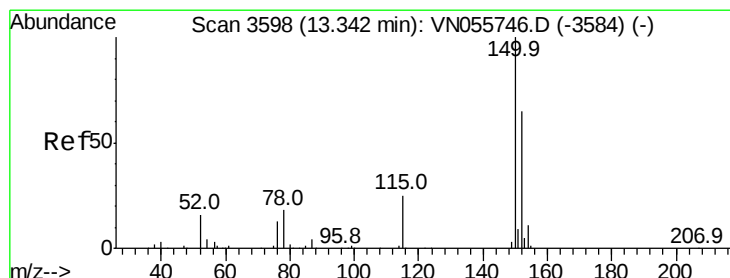
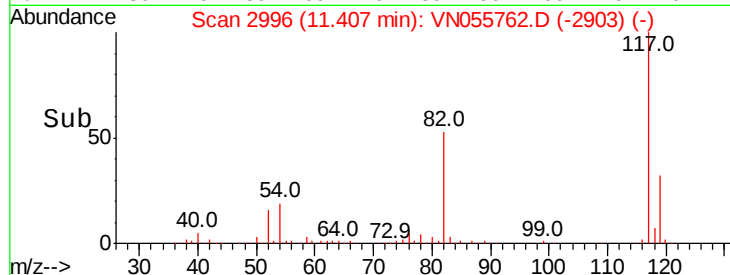
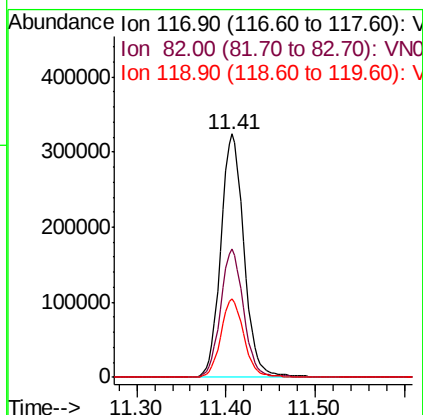
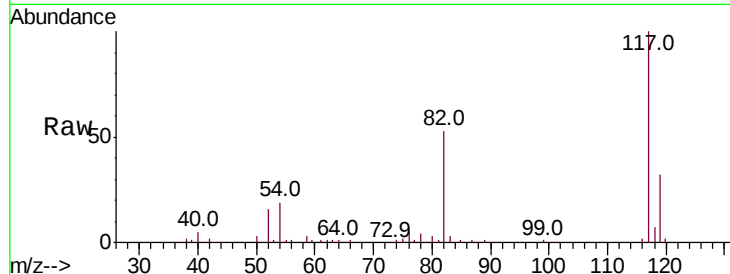




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055762.D  
Acq: 23 May 2019 18:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-03-052219-B

Tot Ion:117 Resp: 584162  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.8 62.8  
119 32.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN055762.D  
Acq: 23 May 2019 18:51

Tgt Ion:152 Resp: 228487  
Ion Ratio Lower Upper  
152 100  
115 52.3 27.0 81.0  
150 156.6 0.0 343.2

