

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\  
 Data File : VN056822.D  
 Acq On : 19 Jul 2019 11:25  
 Operator : JC/SP  
 Sample : PB121463ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#08

Quant Time: Jul 19 23:33:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

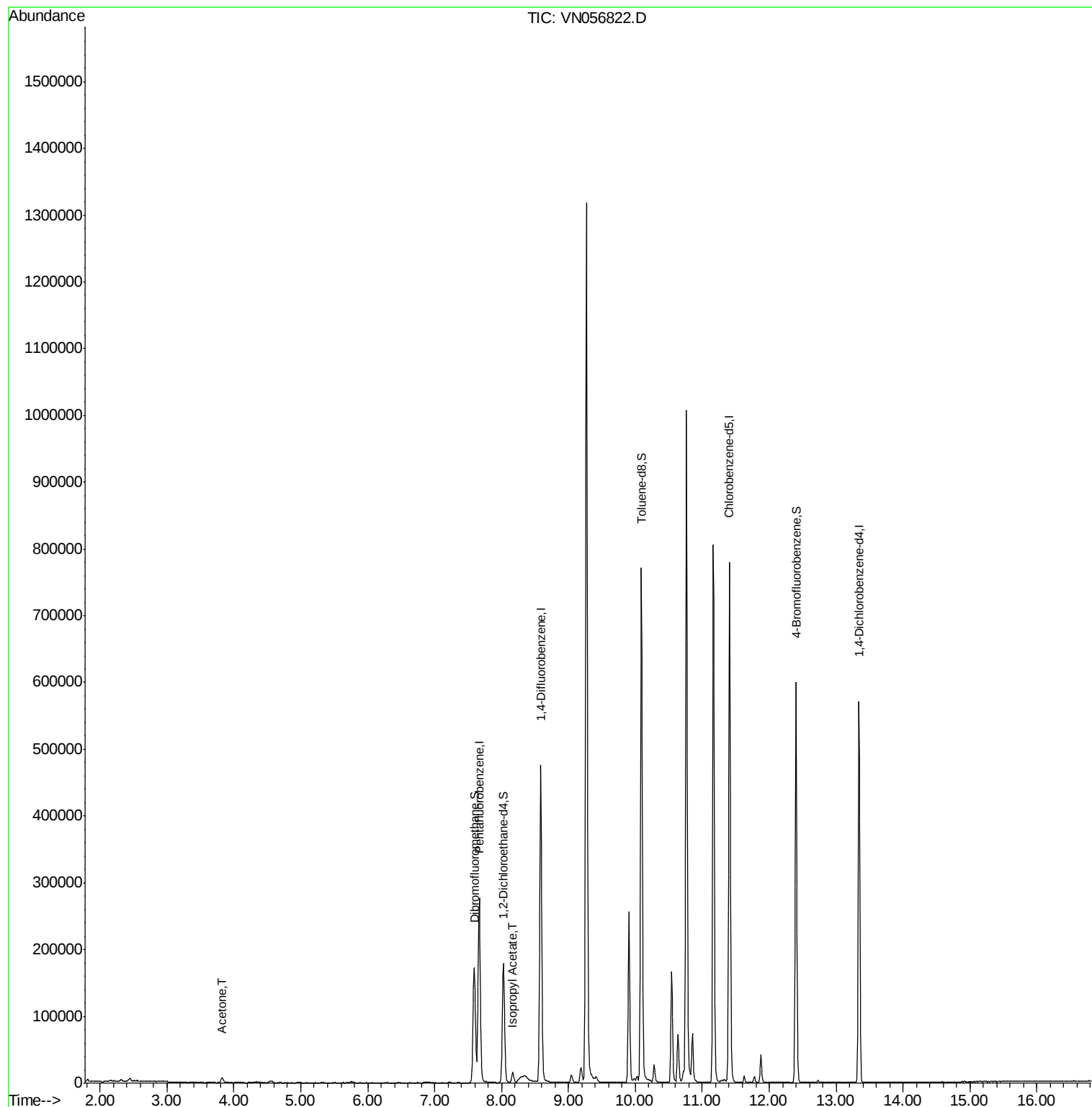
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 248598   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 452479   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 492121   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 169373   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 151367   | 55.05 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.10% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 134619   | 47.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.62%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 585292   | 53.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 211574   | 57.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.38% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 12180    | 9.612 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 18674    | 2.878 | ug/l #  | 90       |

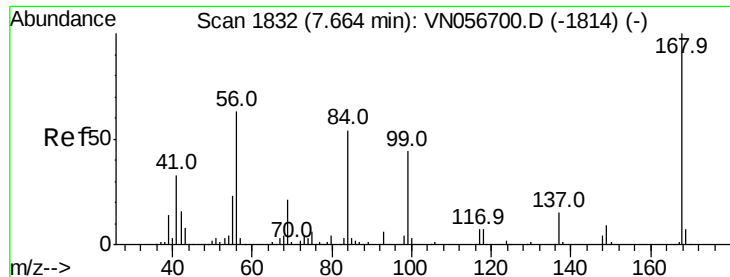
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071919\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056822.D

Acq: 19 Jul 2019 11:25

Instrument :

MSVOA\_N

ClientSampleId :

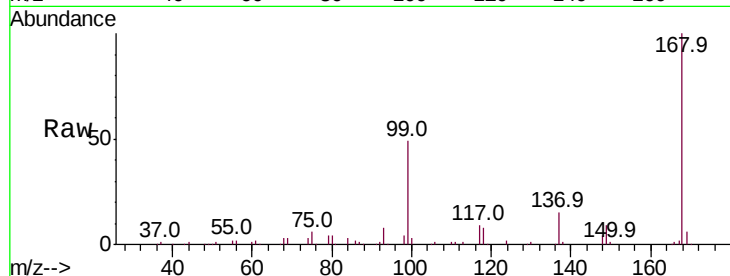
PB121463ZHE#08

Tot Ion:168 Resp: 248598

Ion Ratio Lower Upper

168 100

99 48.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

0

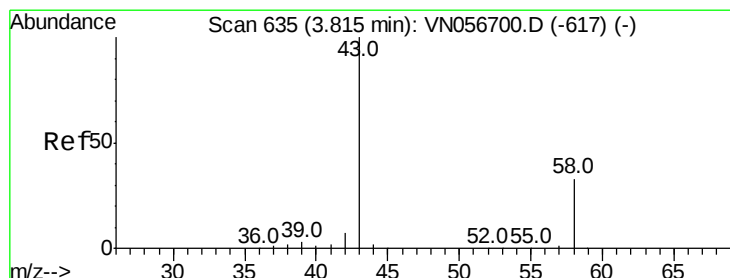
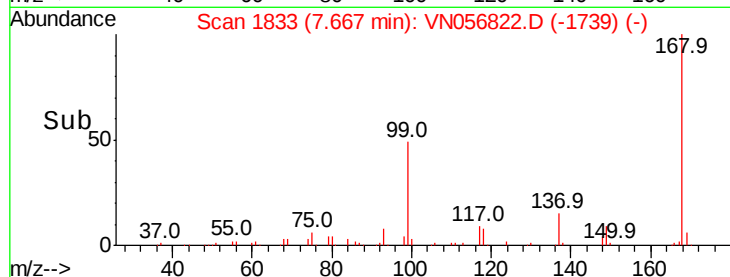
7.67

7.60

7.70

7.80

Time-->



#16

Acetone

Concen: 9.612 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056822.D

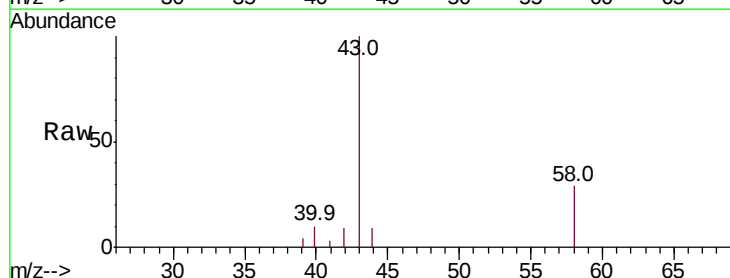
Acq: 19 Jul 2019 11:25

Tgt Ion: 43 Resp: 12180

Ion Ratio Lower Upper

43 100

58 29.4 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

5000

4000

3000

2000

1000

0

3.82

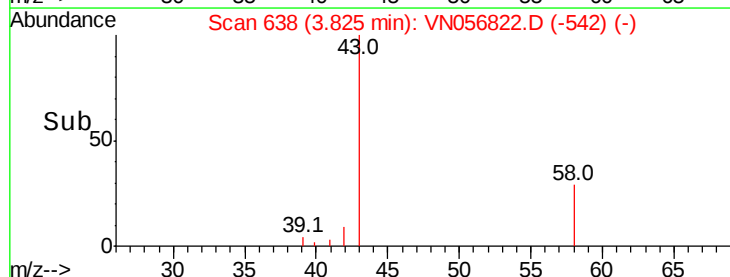
3.75

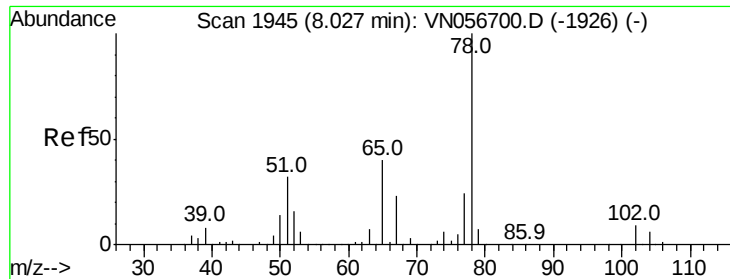
3.80

3.85

3.90

Time-->

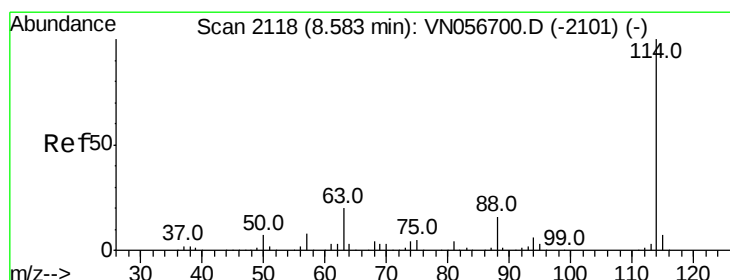
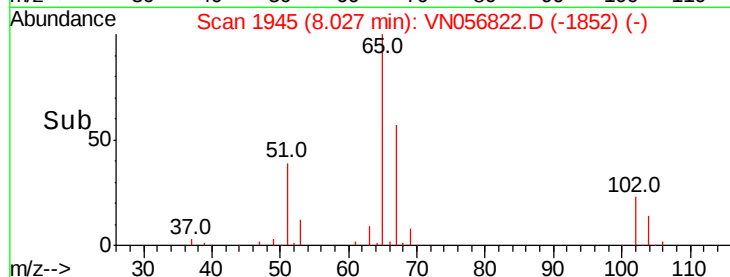
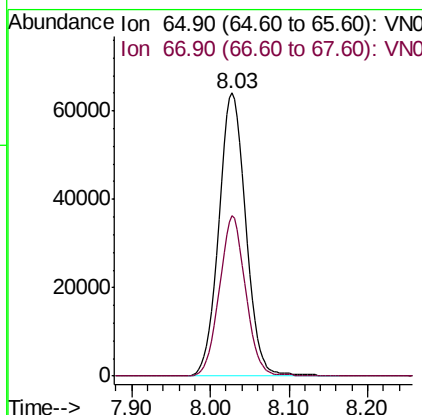
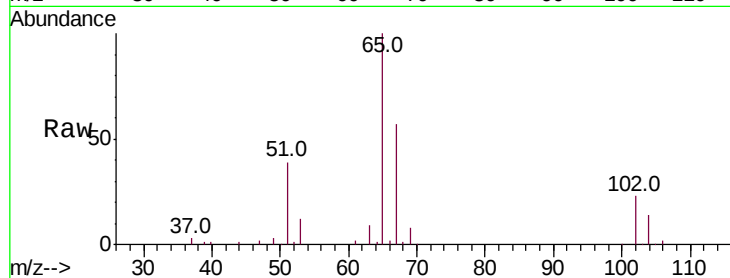




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.046 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN056822.D  
 Acq: 19 Jul 2019 11:25

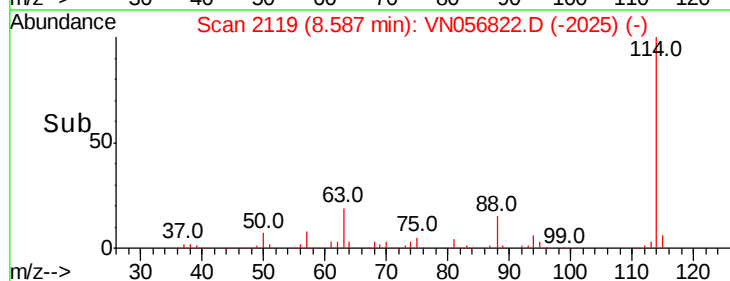
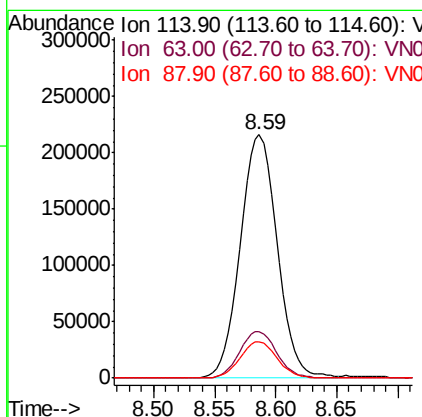
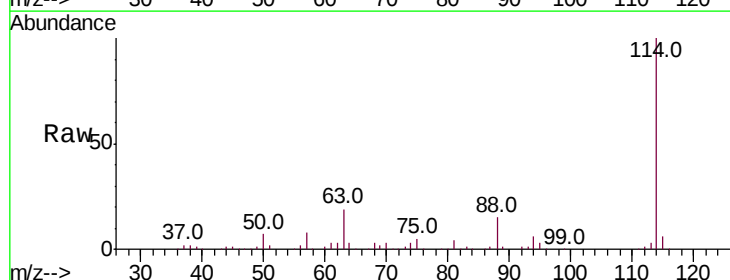
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB121463ZHE#08

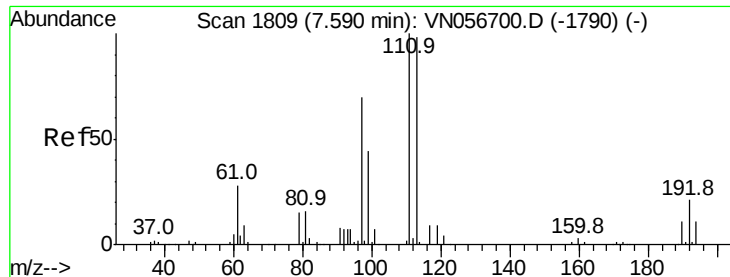
Tot Ion: 65 Resp: 151367  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056822.D  
 Acq: 19 Jul 2019 11:25

Tgt Ion: 114 Resp: 452479  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 39.4  
 88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.807 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056822.D

Acq: 19 Jul 2019 11:25

Instrument :

MSVOA\_N

ClientSampleId :

PB121463ZHE#08

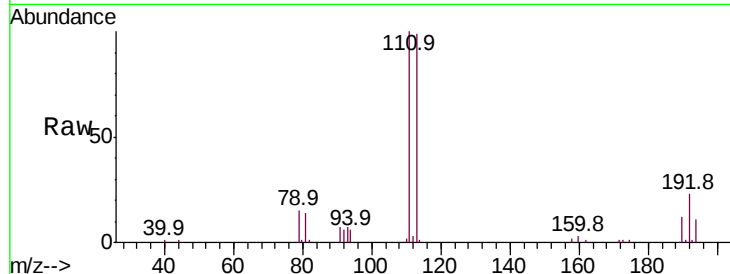
Tot Ion:113 Resp: 134619

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

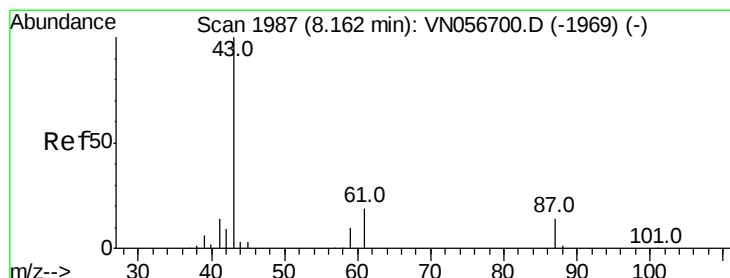
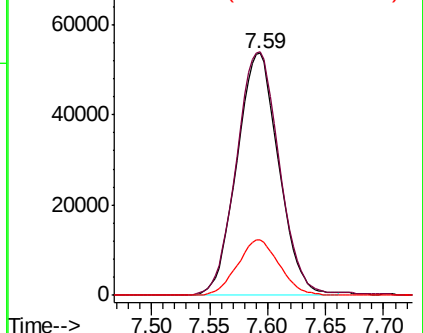
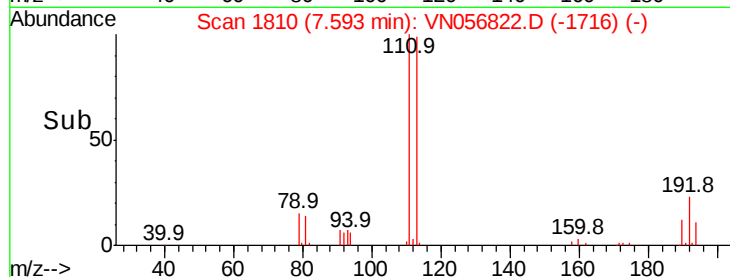
192 22.9 17.5 26.3



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: 2.878 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056822.D

Acq: 19 Jul 2019 11:25

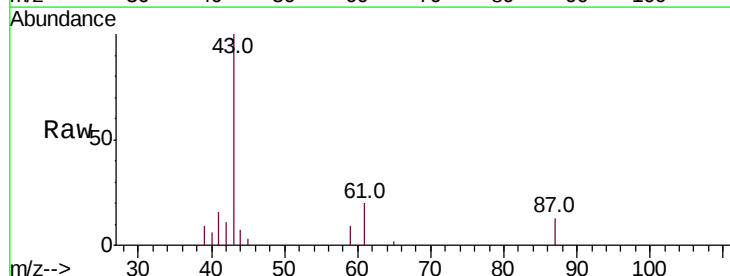
Tgt Ion: 43 Resp: 18674

Ion Ratio Lower Upper

43 100

61 20.8 22.3 33.5#

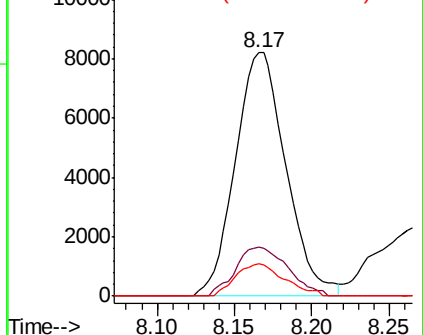
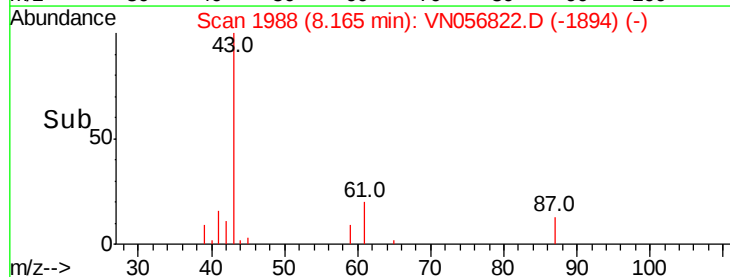
87 12.7 11.1 16.7

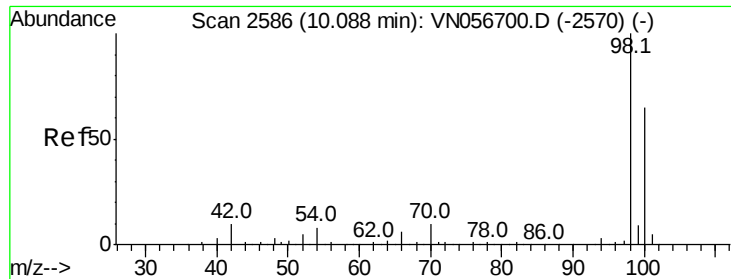


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 53.817 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056822.D

Acq: 19 Jul 2019 11:25

Instrument :

MSVOA\_N

ClientSampleId :

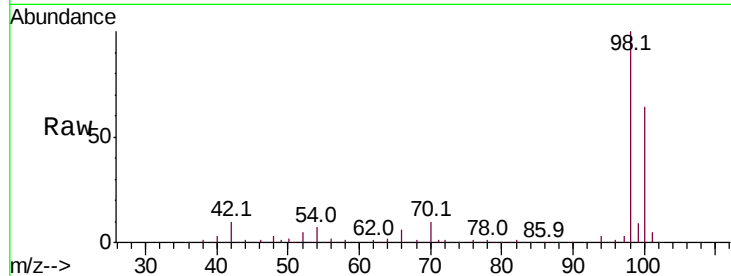
PB121463ZHE#08

Tot Ion: 98 Resp: 585292

Ion Ratio Lower Upper

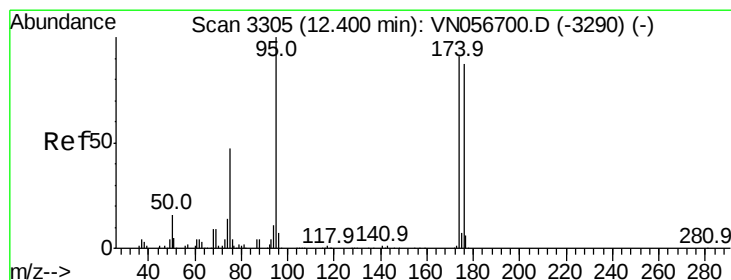
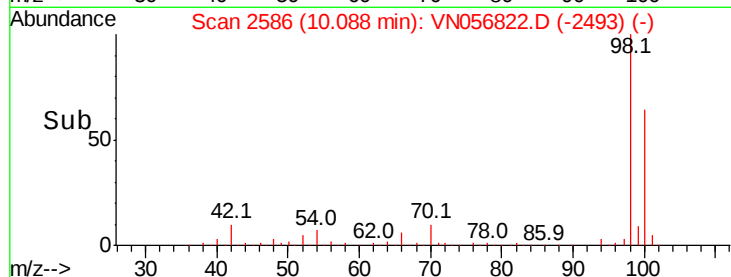
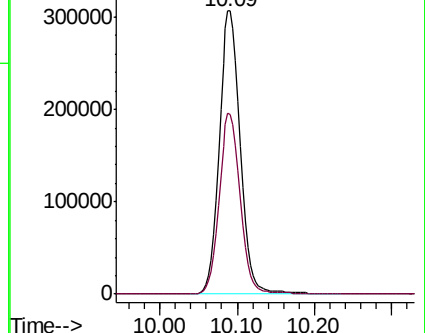
98 100

100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 57.687 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056822.D

Acq: 19 Jul 2019 11:25

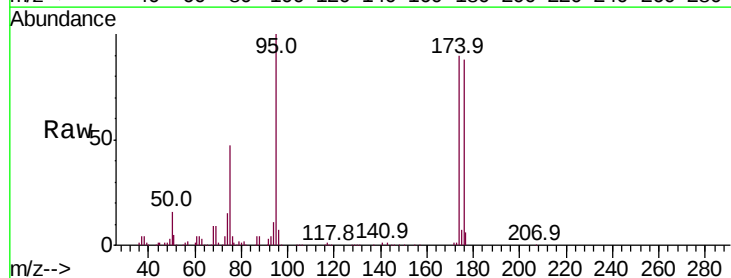
Tgt Ion: 95 Resp: 211574

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

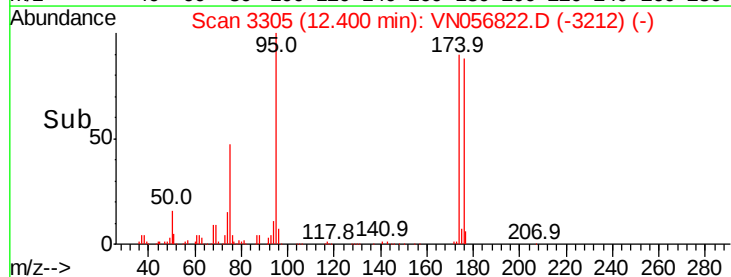
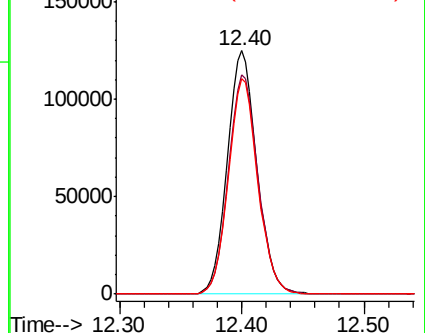
176 87.8 0.0 173.2

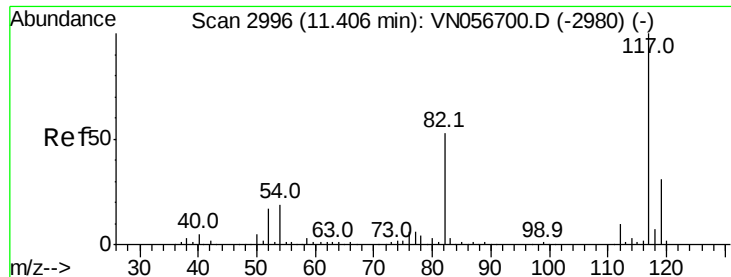


Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056700.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056700.D (-3290) (-)

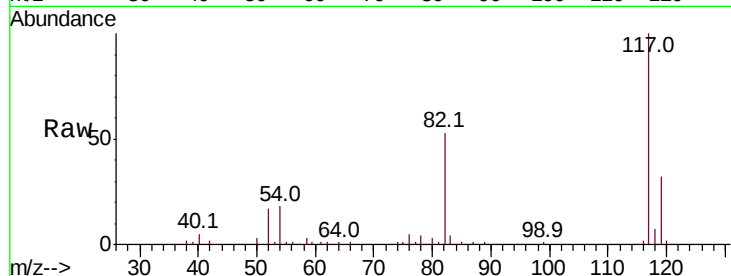




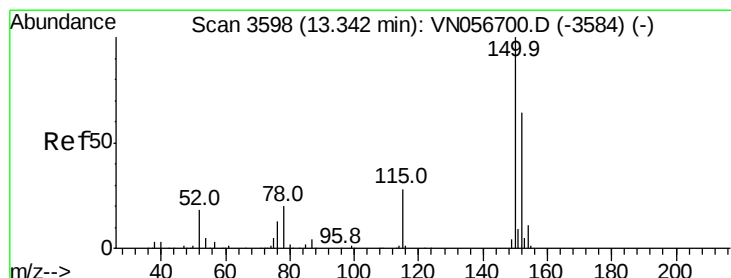
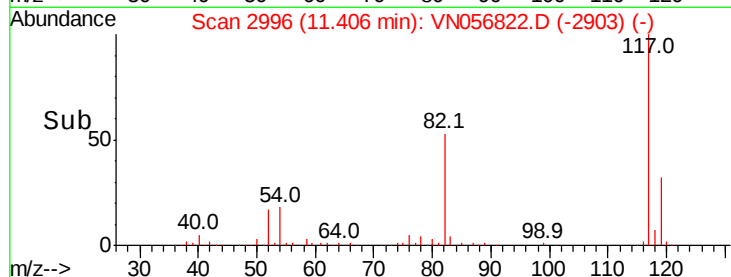
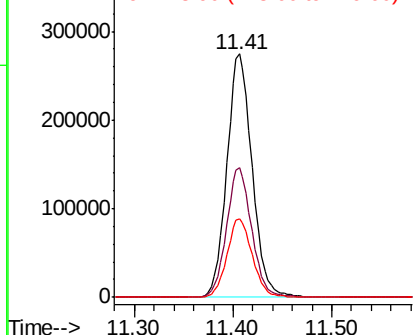
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056822.D  
Acq: 19 Jul 2019 11:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB121463ZHE#08

Tot Ion:117 Resp: 492121  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.2 63.2  
119 32.3 25.2 37.8

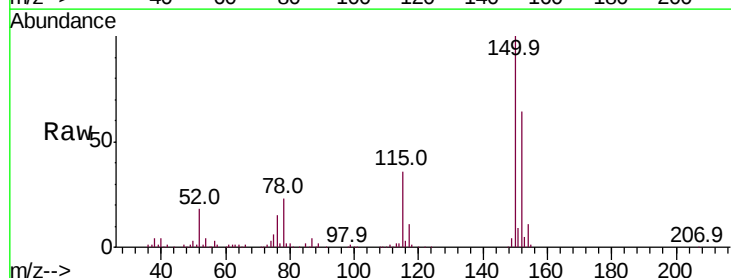


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056822.D  
Acq: 19 Jul 2019 11:25

Tgt Ion:152 Resp: 169373  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.2 84.7  
150 157.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

