

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\  
 Data File : VN056497.D  
 Acq On : 26 Jun 2019 11:40  
 Operator : JC/SP  
 Sample : PB120917TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120917TB

Quant Time: Jun 27 09:38:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

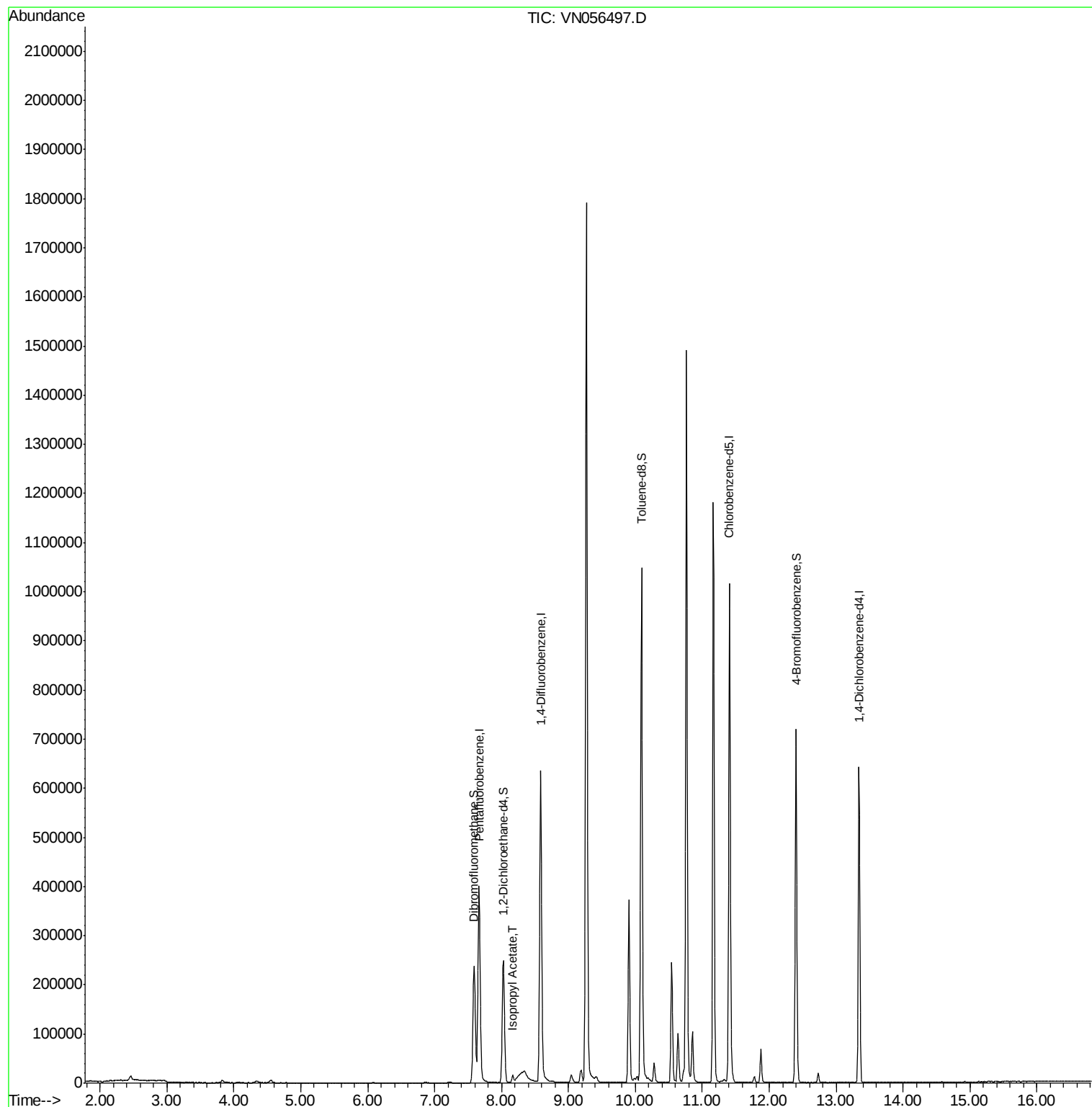
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 365777   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 620442   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 636099   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 186635   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 213534   | 52.67 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.34% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 184016   | 47.54 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.08%  |           |
| 50) Toluene-d8              | 10.09 | 98   | 789459   | 52.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.84% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 260636   | 51.91 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.82% |           |
| Target Compounds            |       |      |          |       |         |           |
| 43) Isopropyl Acetate       | 8.17  | 43   | 17042    | 2.059 | ug/l    | Qvalue 93 |

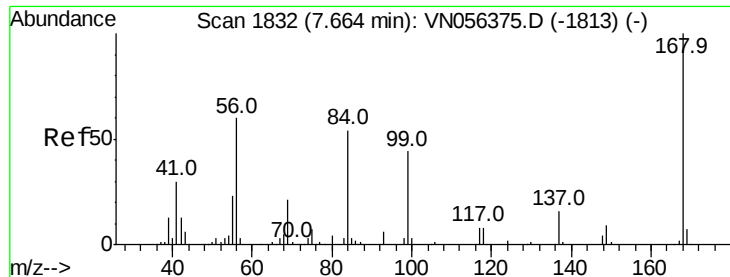
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 21 03:45:40 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: VN056497.D

Acq: 26 Jun 2019 11:40

Instrument :

MSVOA\_N

ClientSampleId :

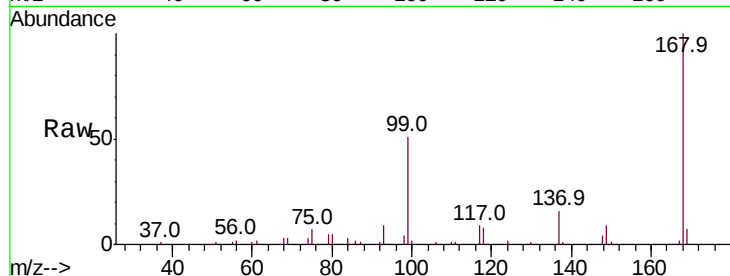
PB120917TB

Tot Ion:168 Resp: 365777

Ion Ratio Lower Upper

168 100

99 50.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

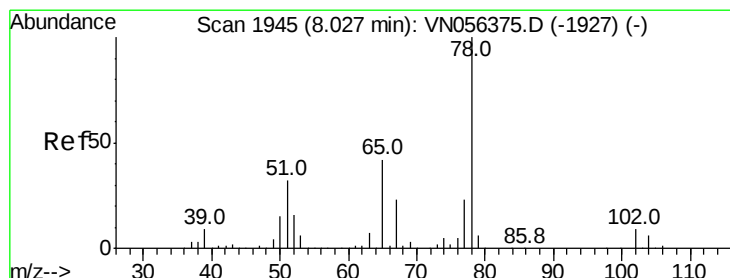
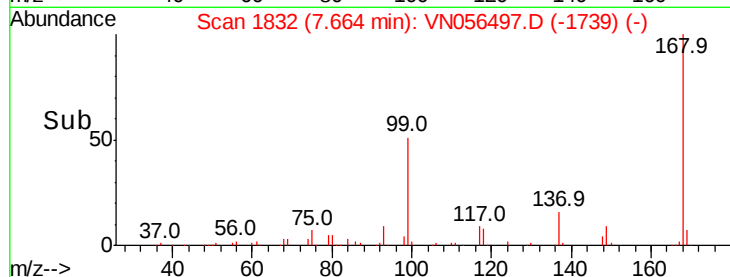
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.673 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056497.D

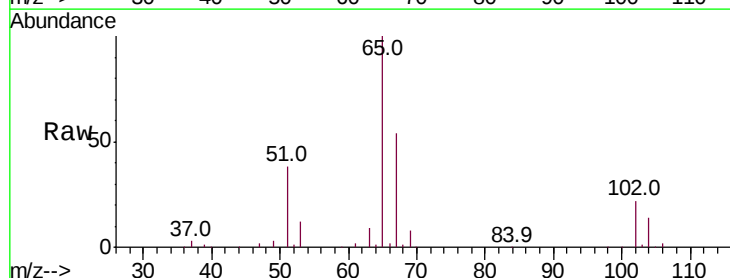
Acq: 26 Jun 2019 11:40

Tgt Ion: 65 Resp: 213534

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

100000

80000

60000

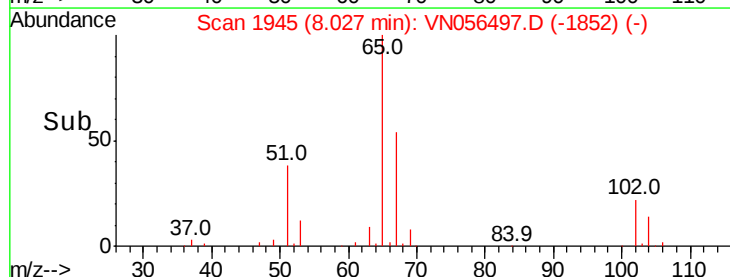
40000

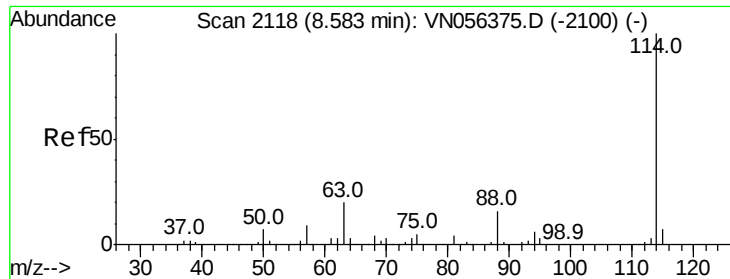
20000

0

7.90 8.00 8.10 8.20

Time-->

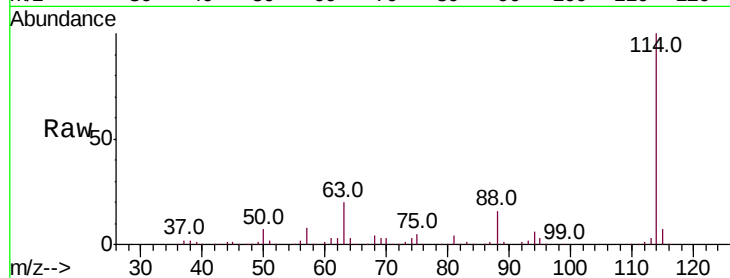




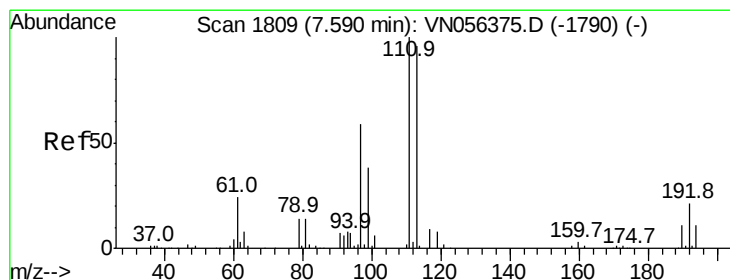
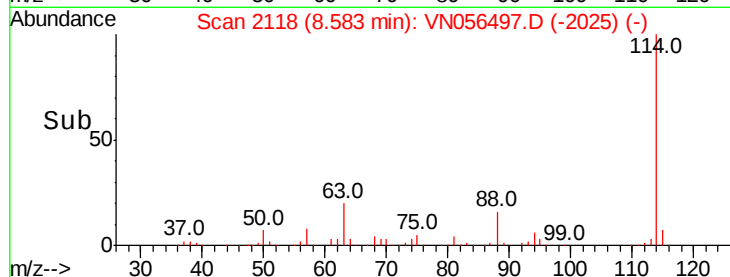
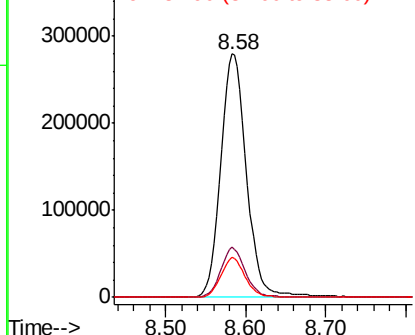
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN056497.D  
 Acq: 26 Jun 2019 11:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120917TB

Tot Ion:114 Resp: 620442  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.2  
 88 16.3 0.0 31.4

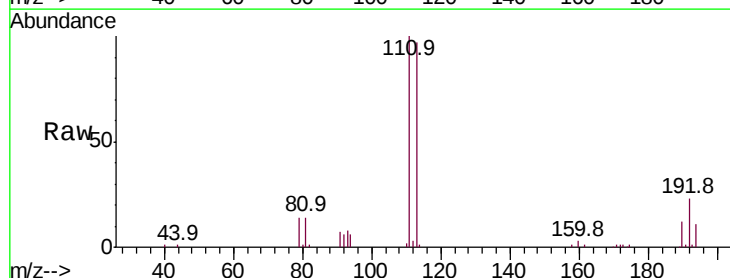


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

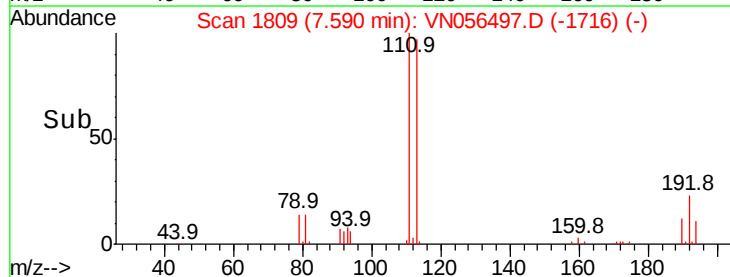
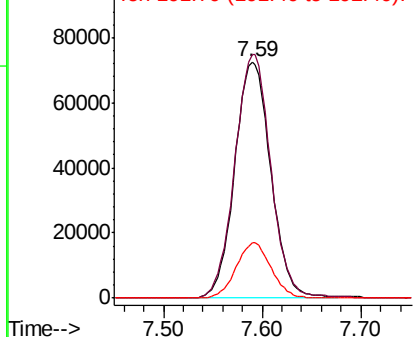


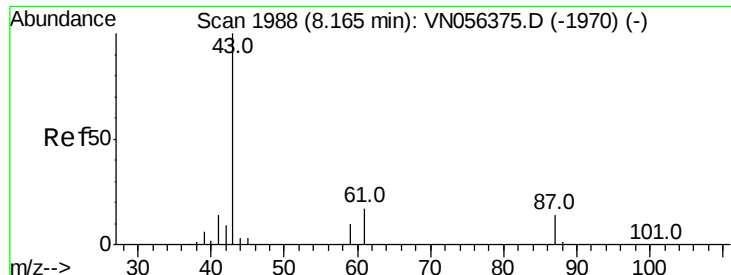
#35  
 Dibromofluoromethane  
 Concen: 47.543 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056497.D  
 Acq: 26 Jun 2019 11:40

Tgt Ion:113 Resp: 184016  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 82.9 124.3  
 192 22.6 17.7 26.5



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: 2.059 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056497.D

Acq: 26 Jun 2019 11:40

Instrument :

MSVOA\_N

ClientSampleId :

PB120917TB

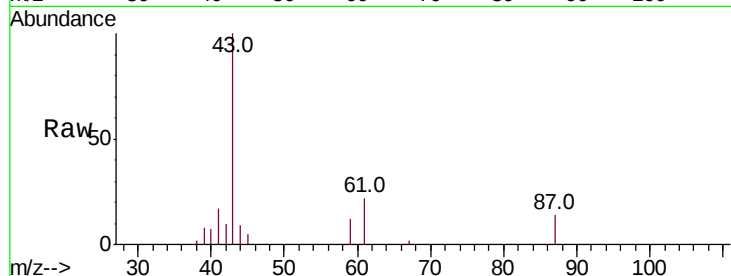
Tot Ion: 43 Resp: 17042

Ion Ratio Lower Upper

43 100

61 22.8 22.0 33.0

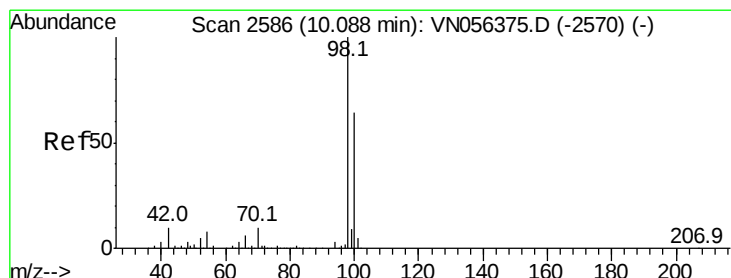
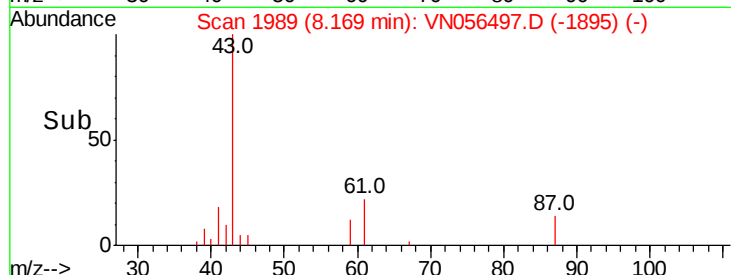
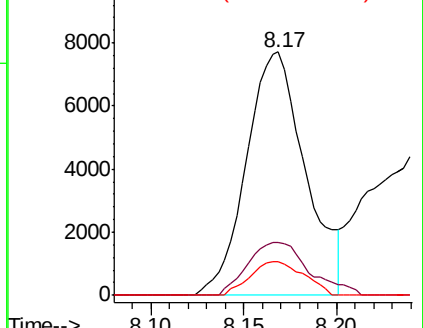
87 12.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 52.419 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056497.D

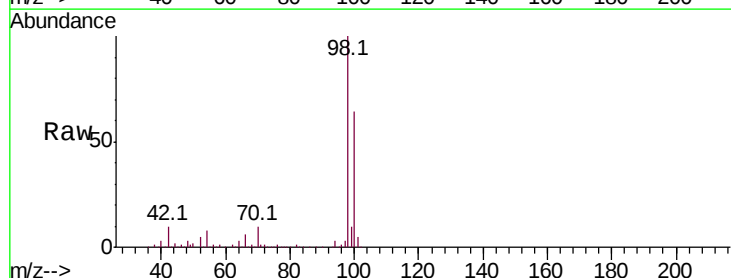
Acq: 26 Jun 2019 11:40

Tgt Ion: 98 Resp: 789459

Ion Ratio Lower Upper

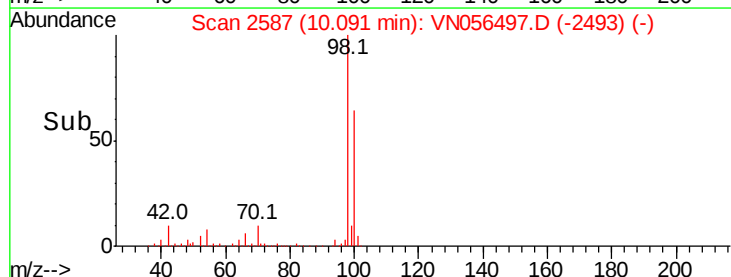
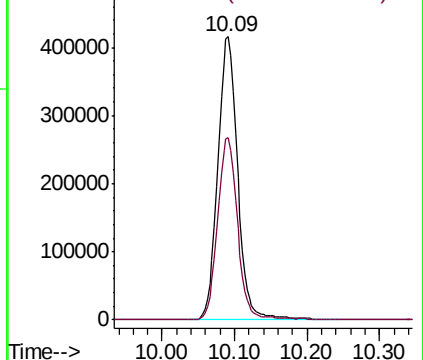
98 100

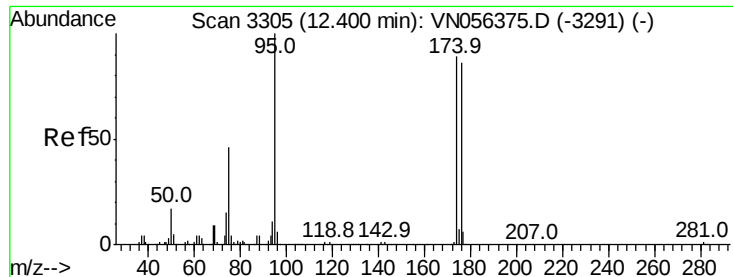
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.914 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056497.D

Acq: 26 Jun 2019 11:40

Instrument :

MSVOA\_N

ClientSampleId :

PB120917TB

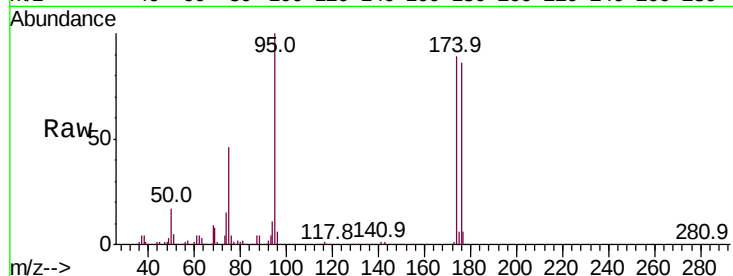
Tot Ion: 95 Resp: 260636

Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.4

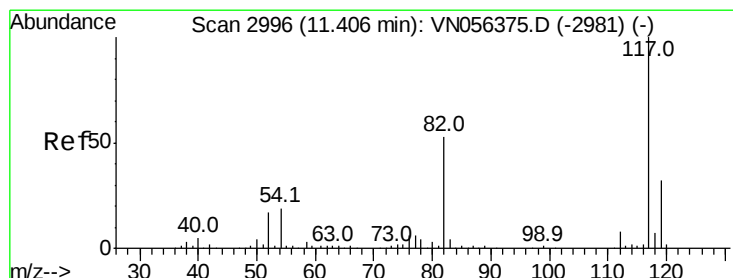
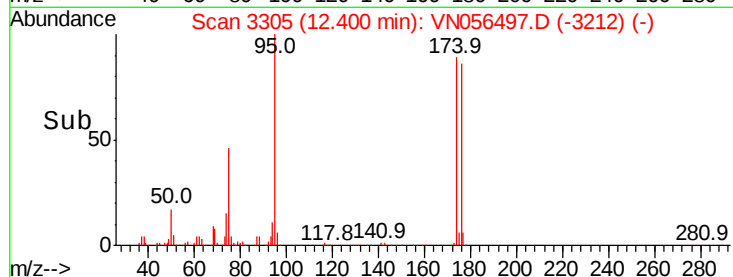
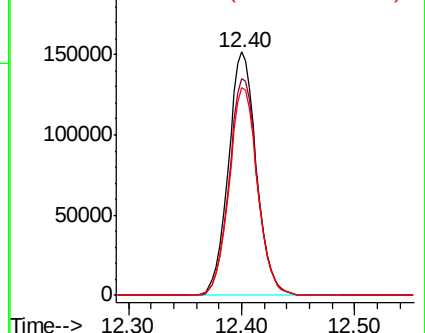
176 86.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056497.D

Acq: 26 Jun 2019 11:40

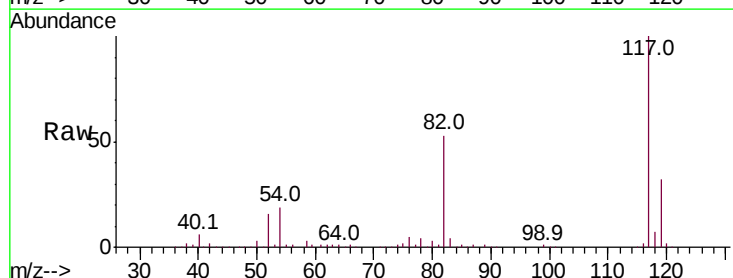
Tgt Ion: 117 Resp: 636099

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

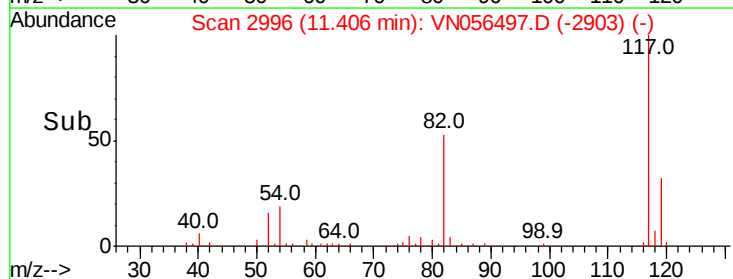
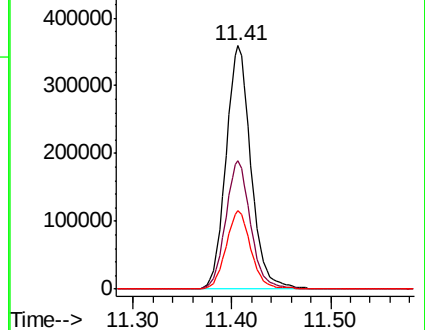
119 32.2 25.3 37.9

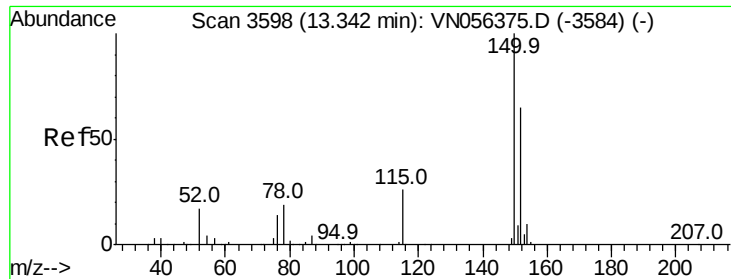


Abundance Ion 116.90 (116.60 to 117.60): VN056375.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056375.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056375.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056497.D

Acq: 26 Jun 2019 11:40

Instrument :

MSVOA\_N

ClientSampleId :

PB120917TB

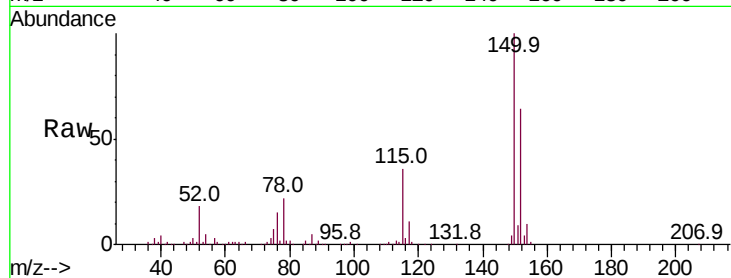
Tot Ion:152 Resp: 186635

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.4

150 156.3 0.0 348.4



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

