

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\  
 Data File : VN056427.D  
 Acq On : 21 Jun 2019 15:39  
 Operator : JC/SP  
 Sample : K3482-05  
 Misc : 5.19g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-3

Quant Time: Jun 22 03:09:30 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

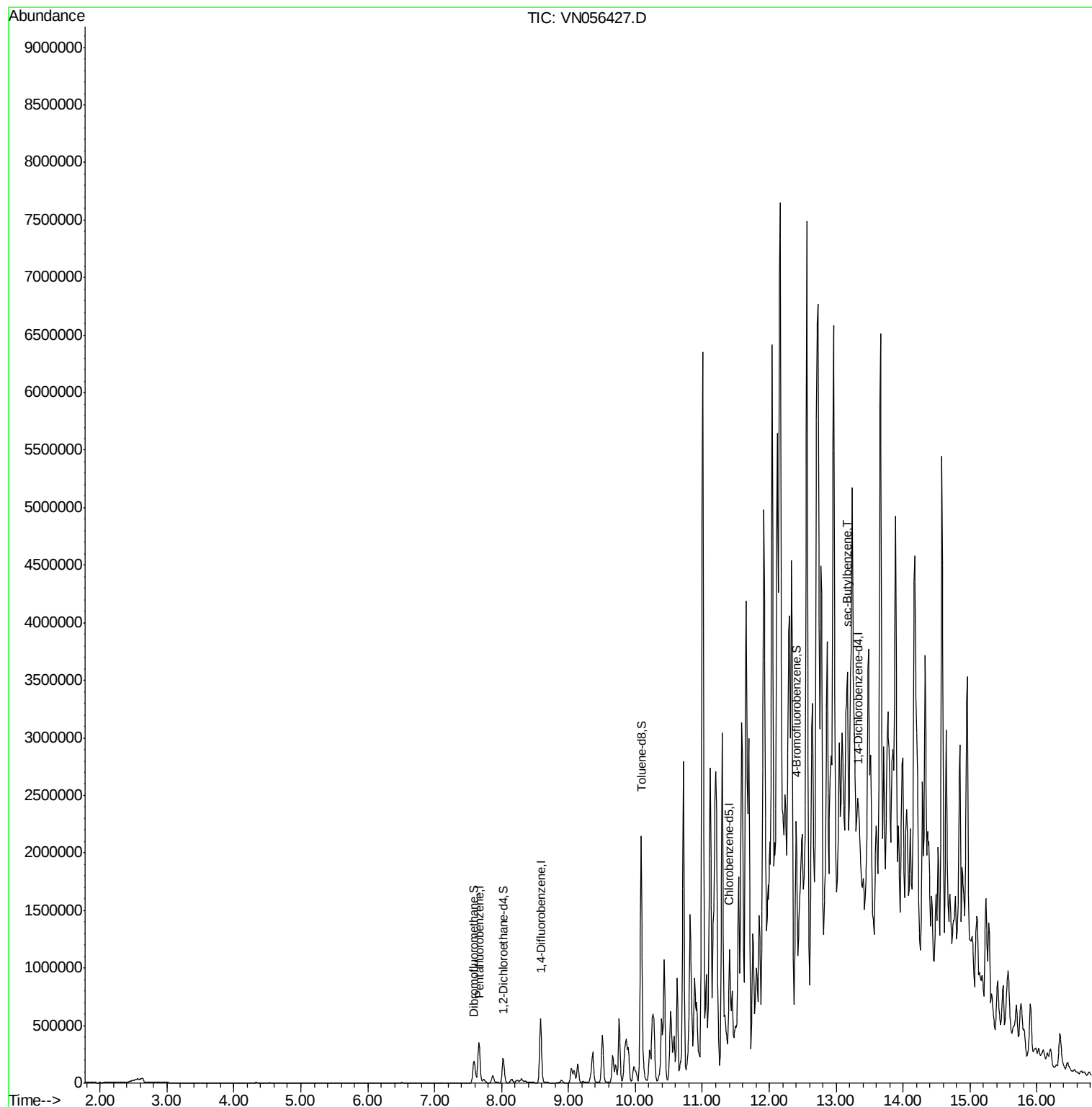
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.66   | 168  | 314447   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 541050   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 524053   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 283011   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65   | 176251   | 50.57  | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 101.14% |           |
| 35) Dibromofluoromethane    | 7.59   | 113  | 146245   | 43.33  | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 86.66%  |           |
| 50) Toluene-d8              | 10.09  | 98   | 721255   | 54.92  | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 109.84% |           |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 338080   | 77.22  | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 154.44% |           |
| Target Compounds            |        |      |          |        |         |           |
| 85) sec-Butylbenzene        | 13.17  | 105  | 408751   | 17.944 | ug/l #  | Qvalue 77 |

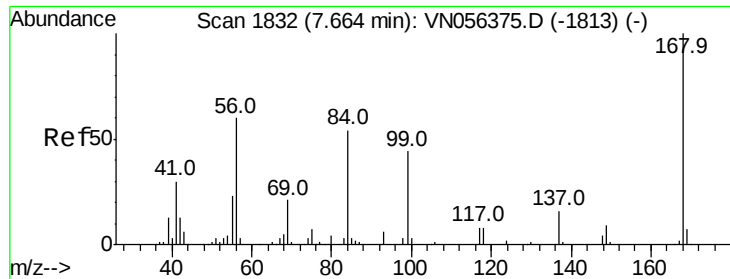
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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: VN056427.D

Acq: 21 Jun 2019 15:39

Instrument :

MSVOA\_N

ClientSampleId :

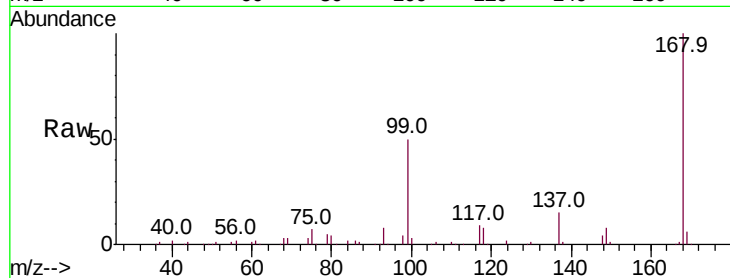
TP-3

Tot Ion:168 Resp: 314447

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056427.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056427.D (-1739) (-)

7.66

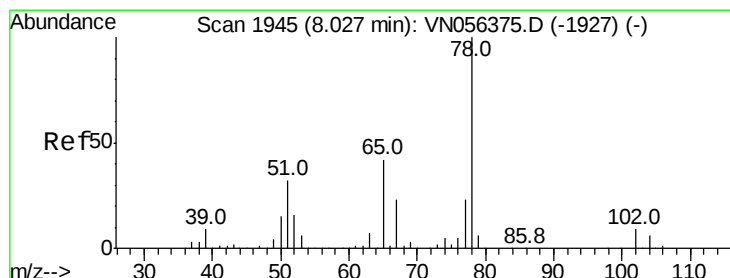
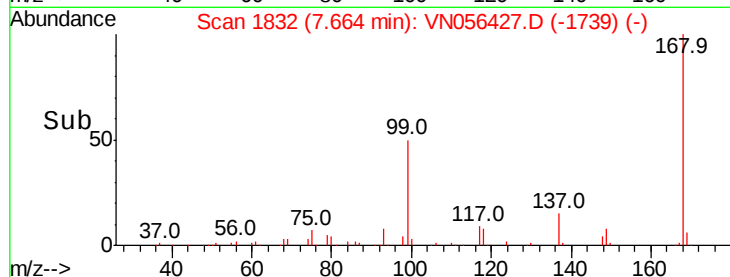
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#33

1,2-Dichloroethane-d4

Concen: 50.574 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056427.D

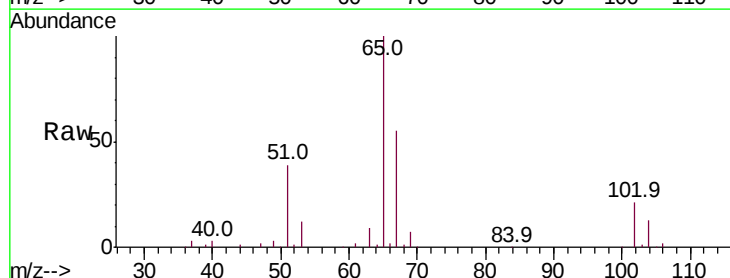
Acq: 21 Jun 2019 15:39

Tgt Ion: 65 Resp: 176251

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN056427.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN056427.D (-1852) (-)

8.02

80000

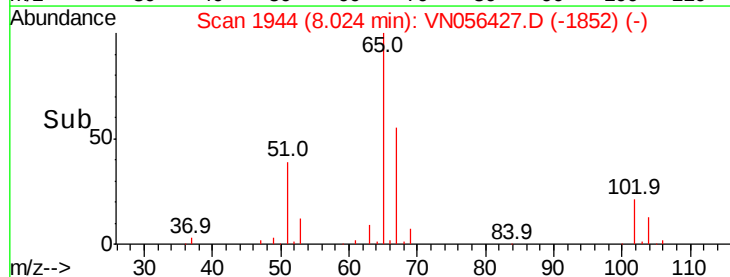
60000

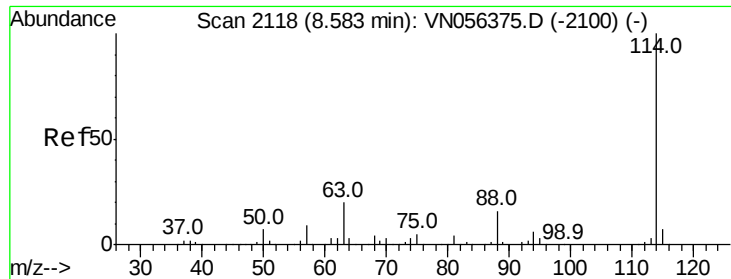
40000

20000

0

Time--> 7.95 8.00 8.05 8.10

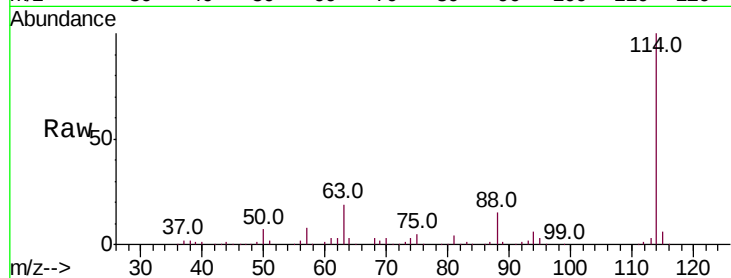




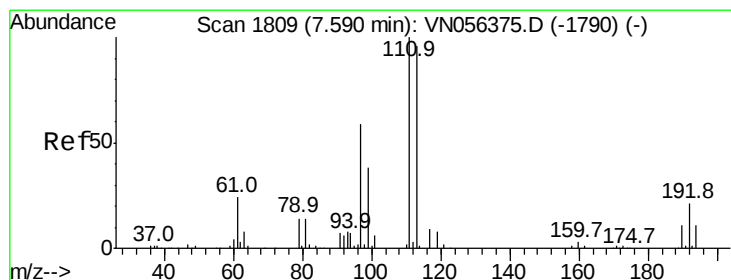
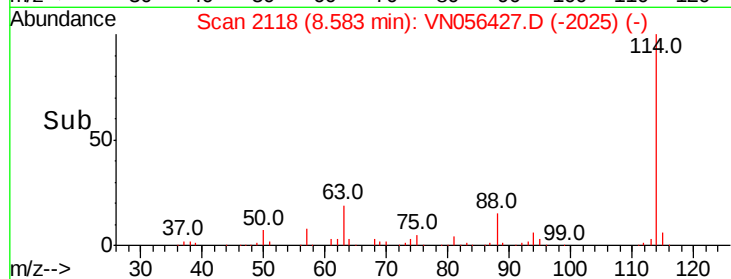
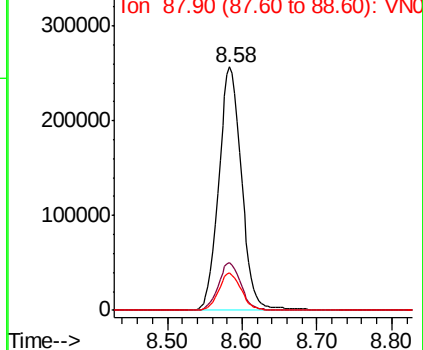
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN056427.D  
 Acq: 21 Jun 2019 15:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-3

Tot Ion:114 Resp: 541050  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.2  
 88 15.2 0.0 31.4

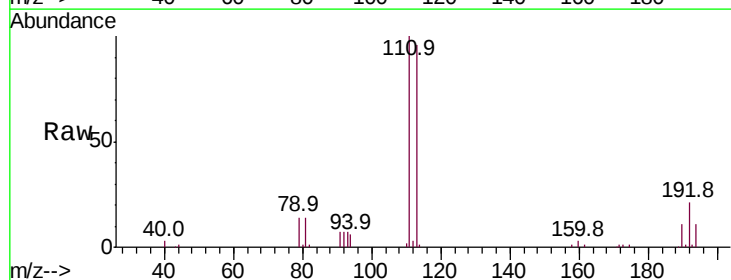


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

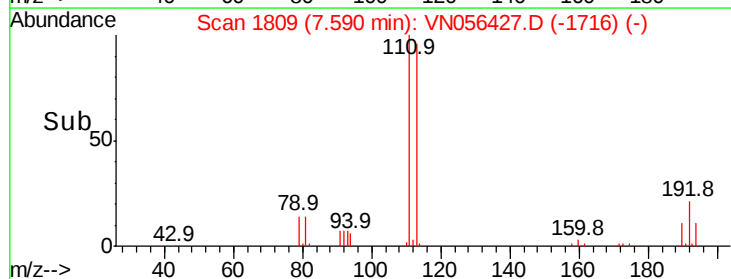
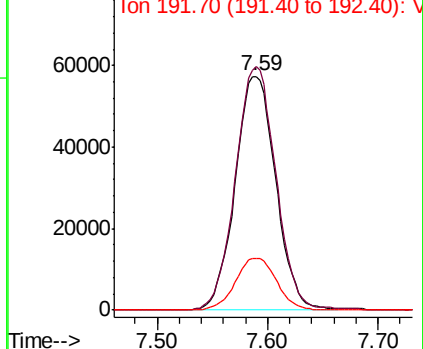


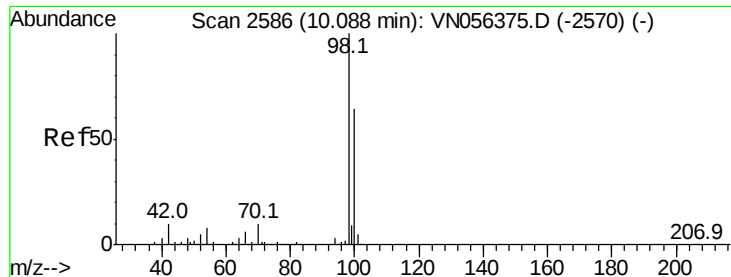
#35  
 Dibromofluoromethane  
 Concen: 43.329 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN056427.D  
 Acq: 21 Jun 2019 15:39

Tgt Ion:113 Resp: 146245  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 82.9 124.3  
 192 22.5 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





#50

Toluene-d8

Concen: 54.918 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056427.D

Acq: 21 Jun 2019 15:39

Instrument :

MSVOA\_N

ClientSampleId :

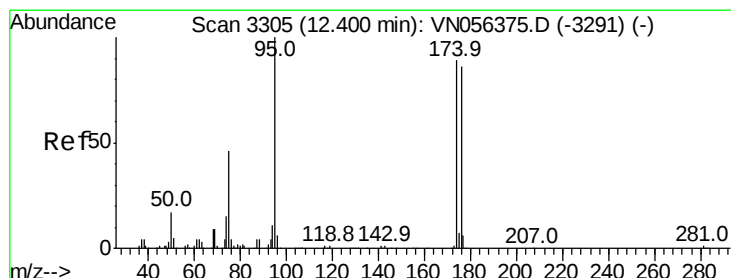
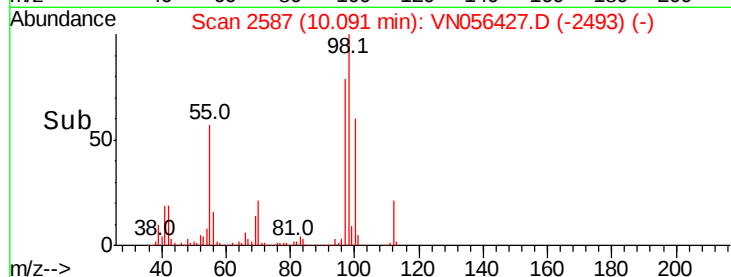
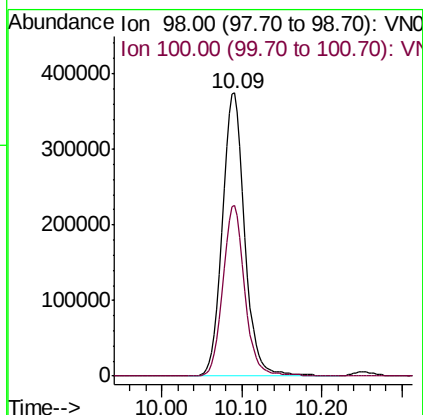
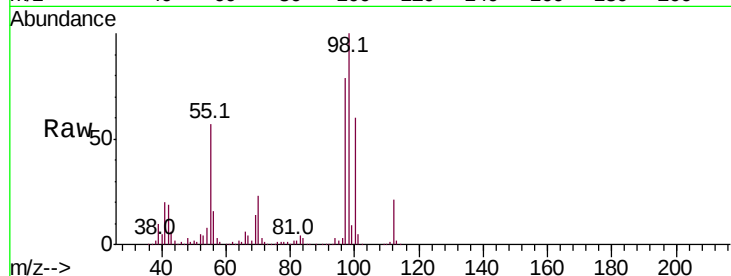
TP-3

Tot Ion: 98 Resp: 721255

Ion Ratio Lower Upper

98 100

100 59.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 77.220 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056427.D

Acq: 21 Jun 2019 15:39

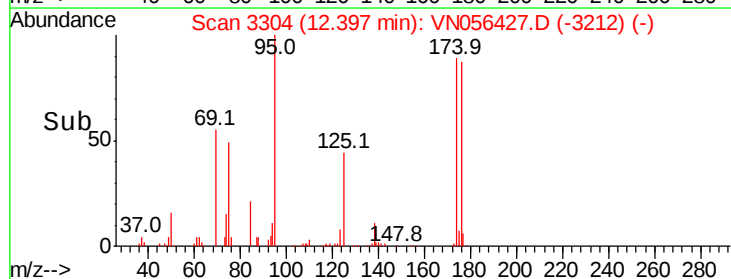
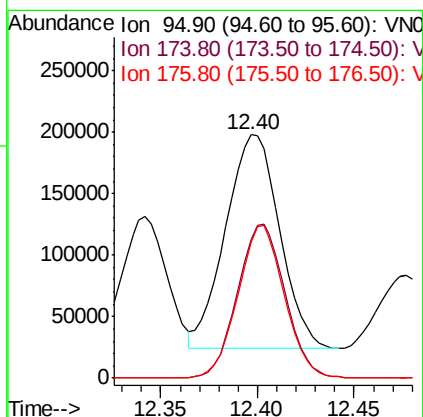
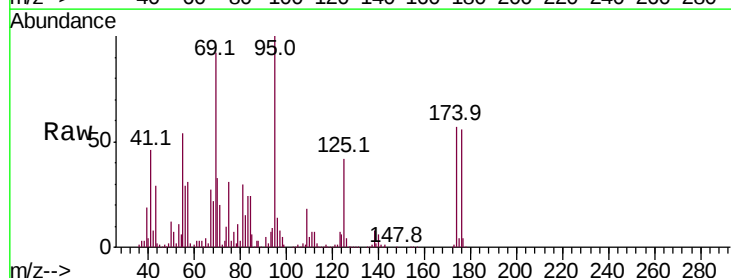
Tgt Ion: 95 Resp: 338080

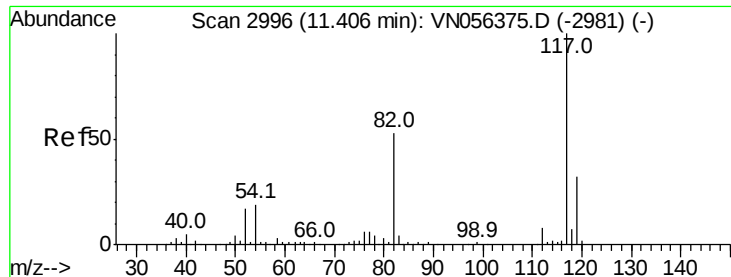
Ion Ratio Lower Upper

95 100

174 63.4 0.0 179.4

176 61.2 0.0 173.4

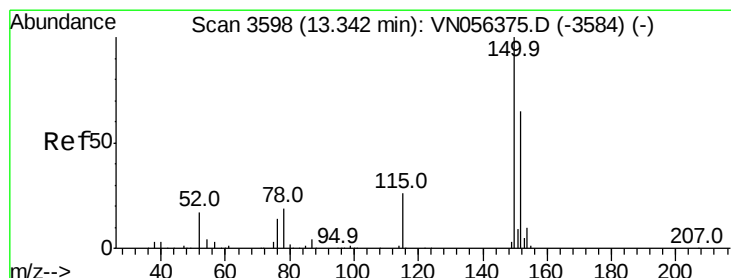
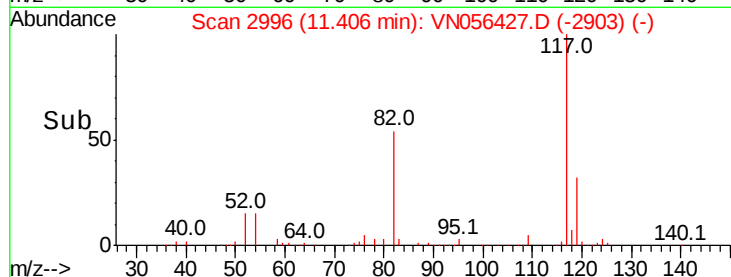
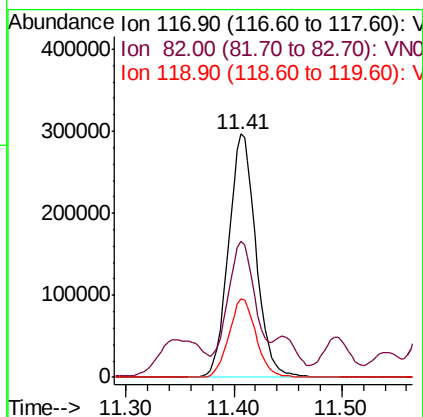
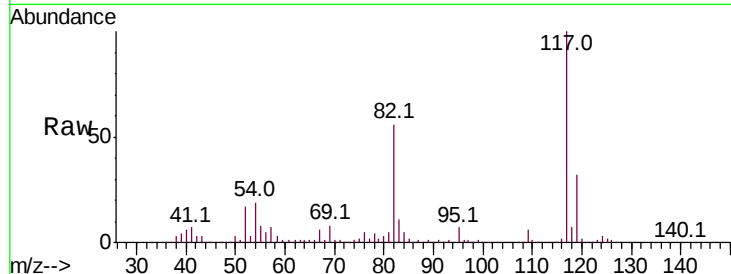




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056427.D  
Acq: 21 Jun 2019 15:39

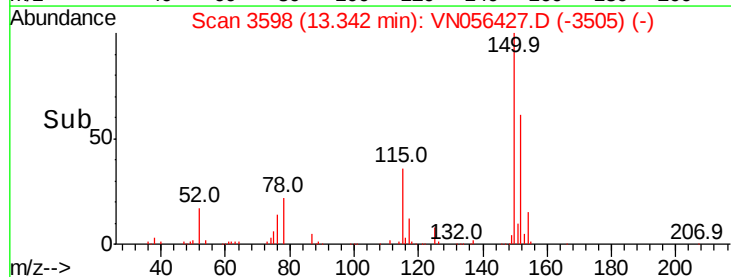
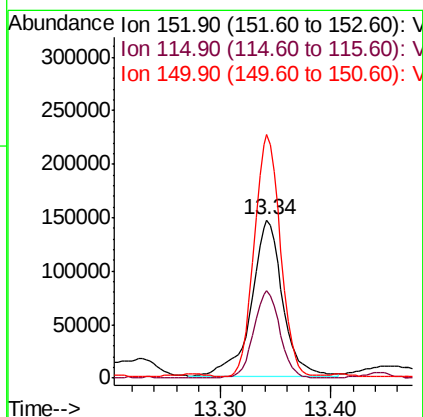
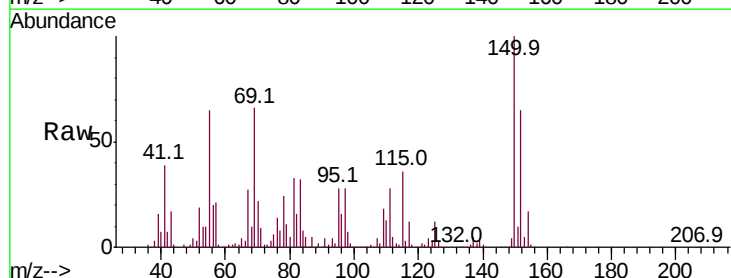
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-3

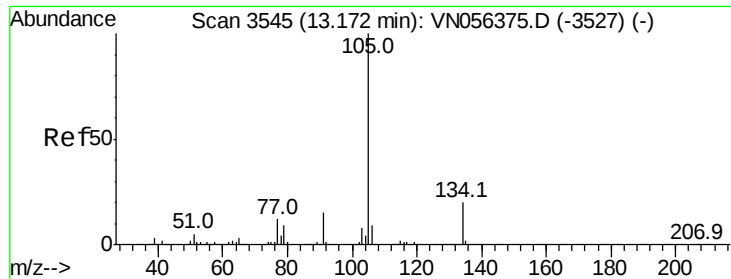
Tot Ion:117 Resp: 524053  
Ion Ratio Lower Upper  
117 100  
82 40.9 42.0 63.0#  
119 32.2 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056427.D  
Acq: 21 Jun 2019 15:39

Tgt Ion:152 Resp: 283011  
Ion Ratio Lower Upper  
152 100  
115 46.8 28.1 84.4  
150 131.3 0.0 348.4





#85

sec-Butylbenzene

Concen: 17.944 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056427.D

Acq: 21 Jun 2019 15:39

Instrument :

MSVOA\_N

ClientSampleId :

TP-3

Tot Ion:105 Resp: 408751

Ion Ratio Lower Upper

105 100

134 30.7 10.2 30.4#

