

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\  
 Data File : VX016851.D  
 Acq On : 18 Jun 2020 20:53  
 Operator : JC/SP  
 Sample : L3020-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01\_061520

Quant Time: Jun 19 03:28:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061820W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 18 15:20:47 2020  
 Response via : Initial Calibration

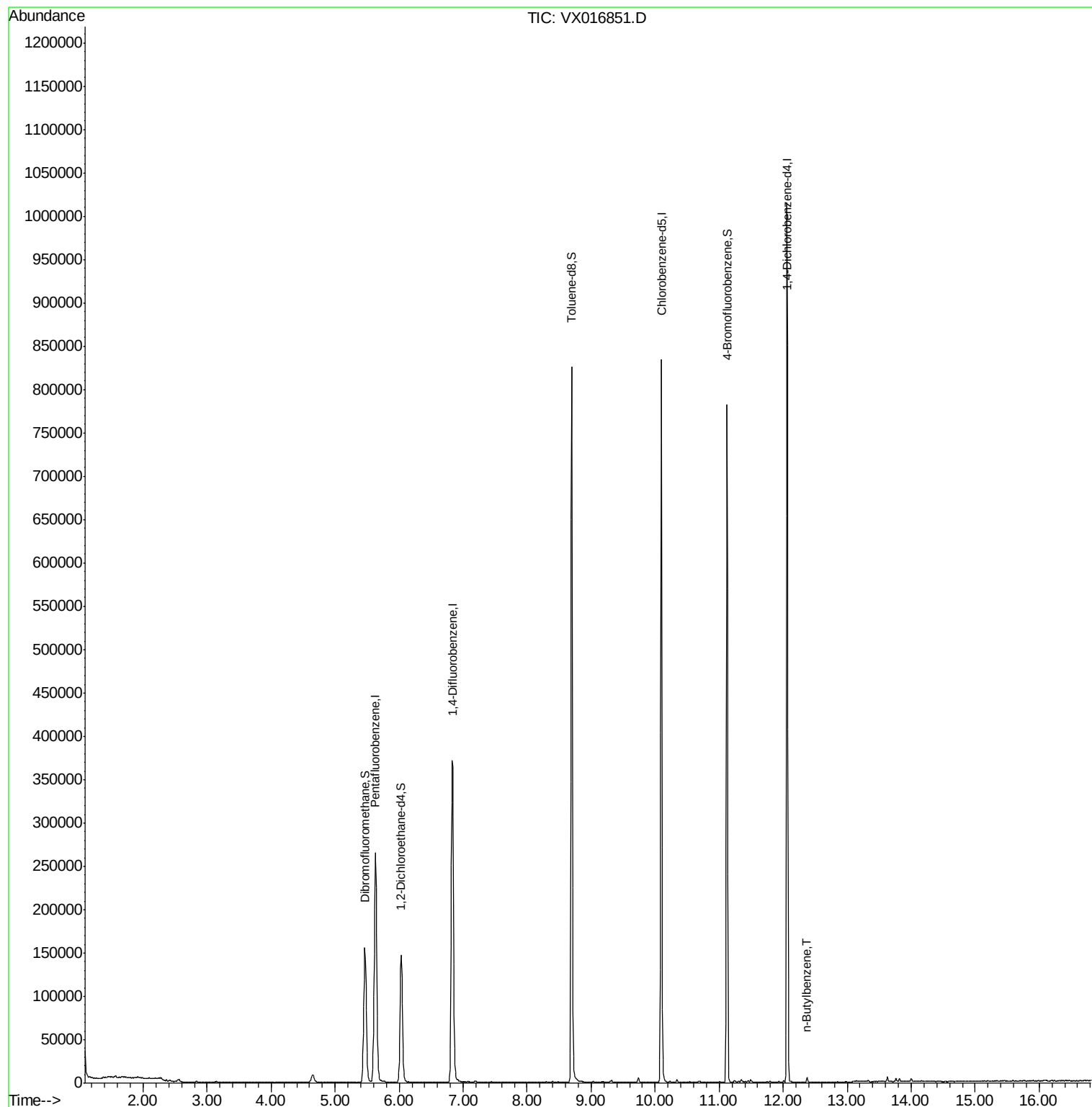
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 267406   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 403677   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 402160   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 215266   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 142012   | 44.16 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.32%  |           |
| 35) Dibromofluoromethane    | 5.47  | 113  | 138599   | 53.67 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.34% |           |
| 50) Toluene-d8              | 8.70  | 98   | 507447   | 49.12 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.24%  |           |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 200292   | 50.60 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.20% |           |
| Target Compounds            |       |      |          |       |         |           |
| 89) n-Butylbenzene          | 12.37 | 91   | 1738     | 3.149 | ug/l    | Qvalue 96 |

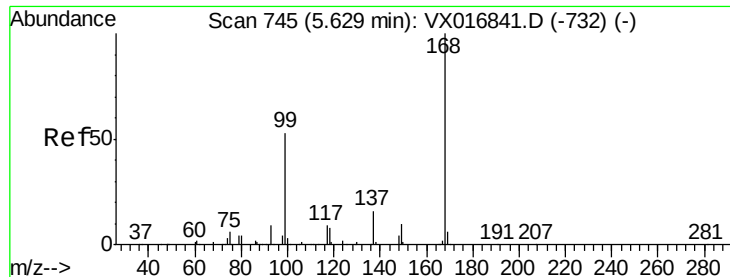
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 18 15:20:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016851.D

Acq: 18 Jun 2020 20:53

Instrument :

MSVOA\_X

ClientSampleId :

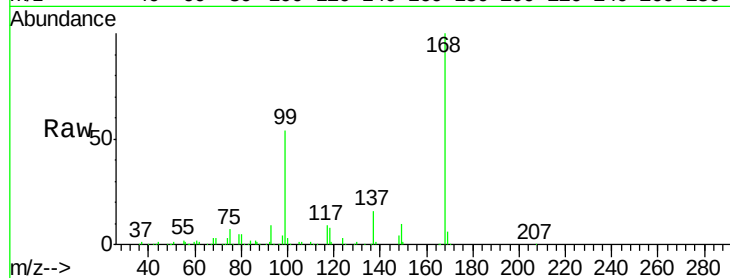
TB-01\_061520

Tot Ion:168 Resp: 267406

Ion Ratio Lower Upper

168 100

99 54.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

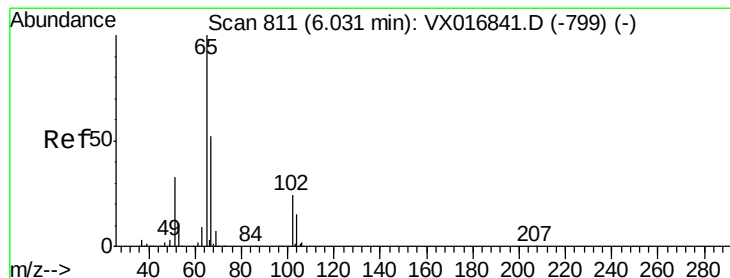
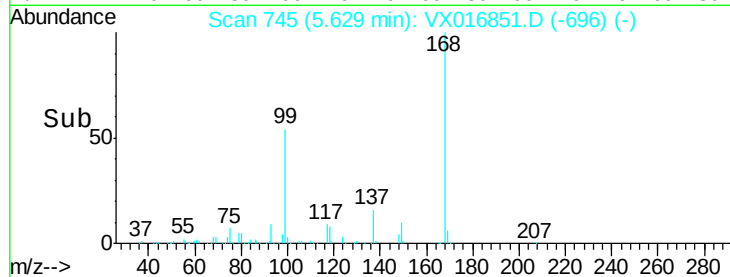
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 44.158 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016851.D

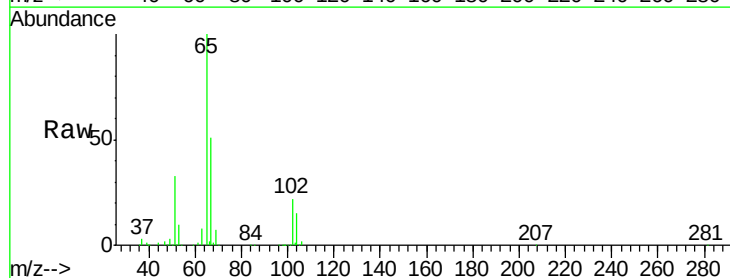
Acq: 18 Jun 2020 20:53

Tgt Ion: 65 Resp: 142012

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

50000

40000

30000

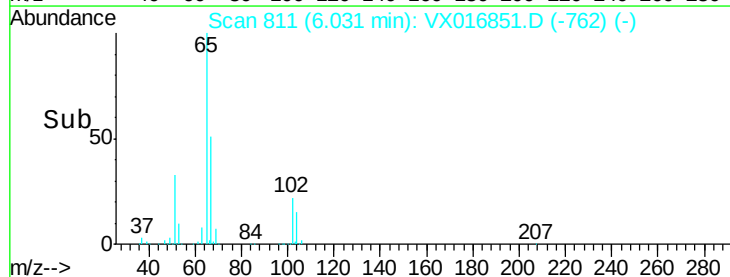
20000

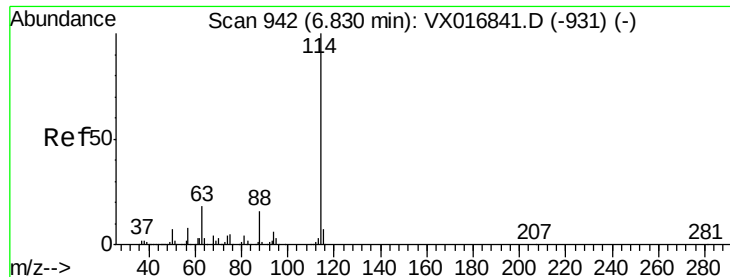
10000

0

Time-->

5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016851.D

Acq: 18 Jun 2020 20:53

Instrument :

MSVOA\_X

ClientSampleId :

TB-01\_061520

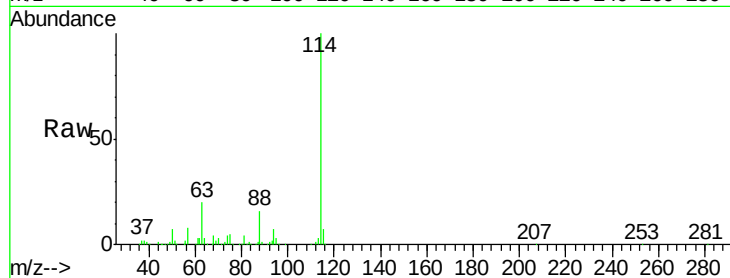
Tot Ion:114 Resp: 403677

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.0

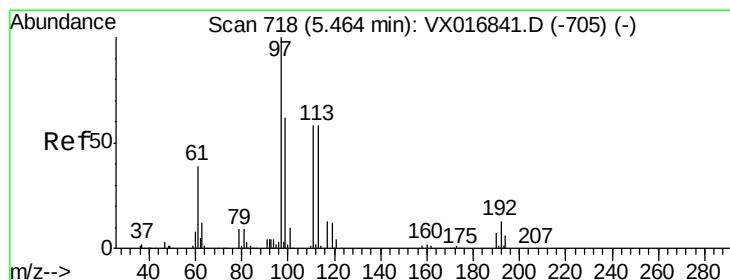
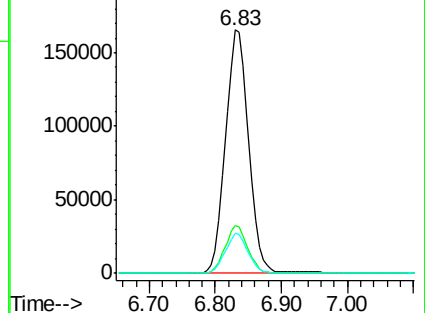
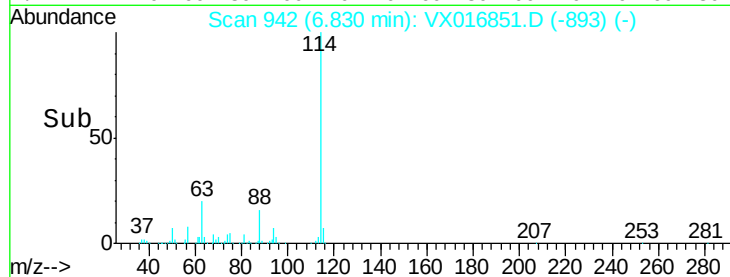
88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.672 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016851.D

Acq: 18 Jun 2020 20:53

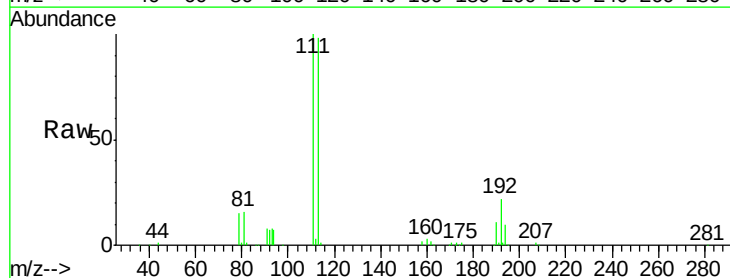
Tgt Ion:113 Resp: 138599

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.4

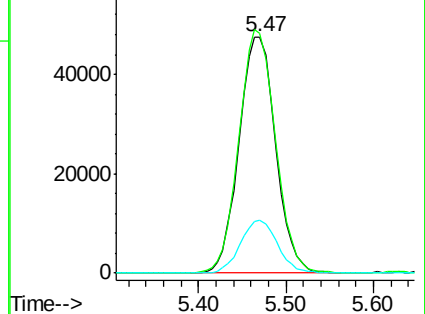
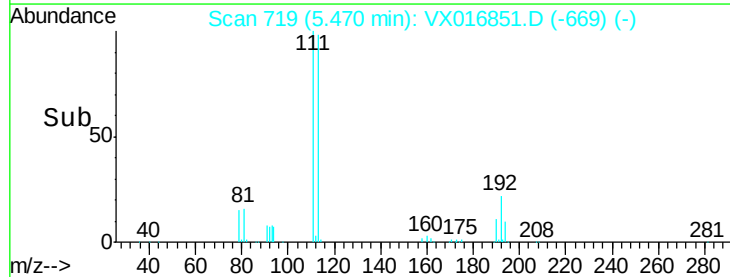
192 22.6 18.5 27.7

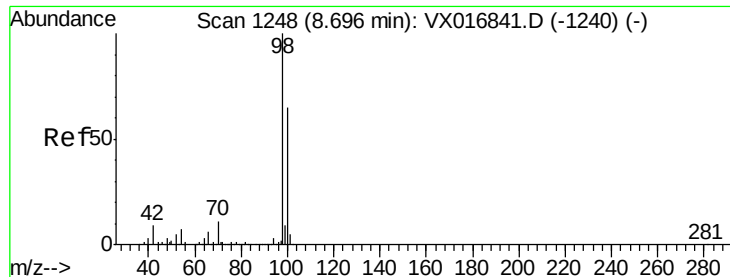


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

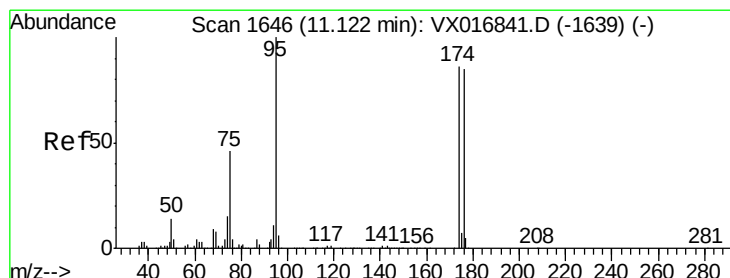
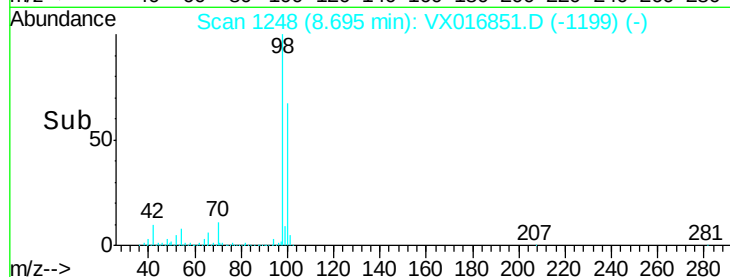
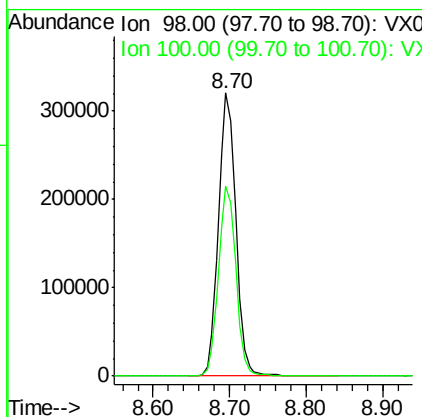
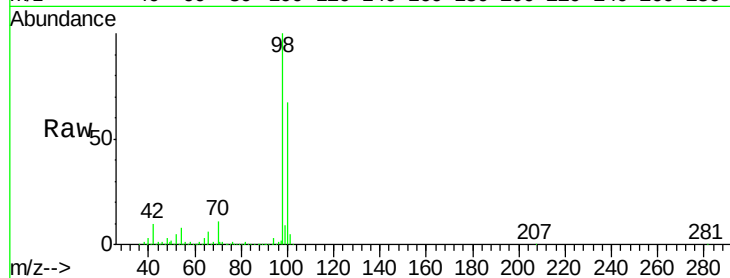




#50  
Toluene-d8  
Concen: 49.116 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX016851.D  
Acq: 18 Jun 2020 20:53

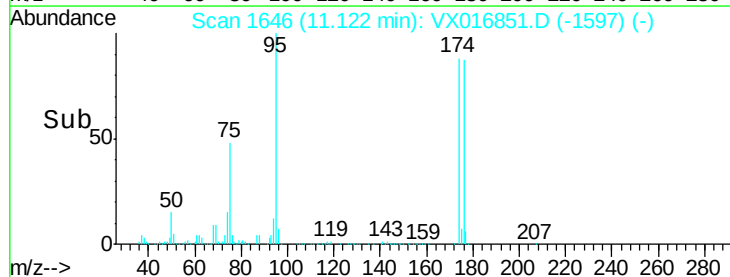
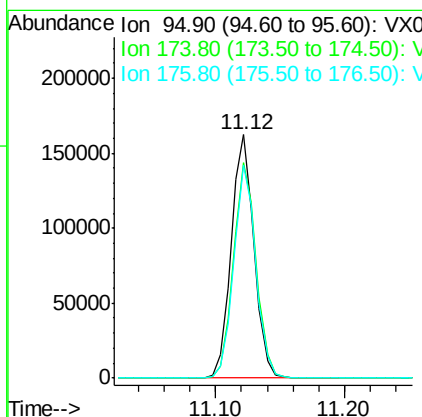
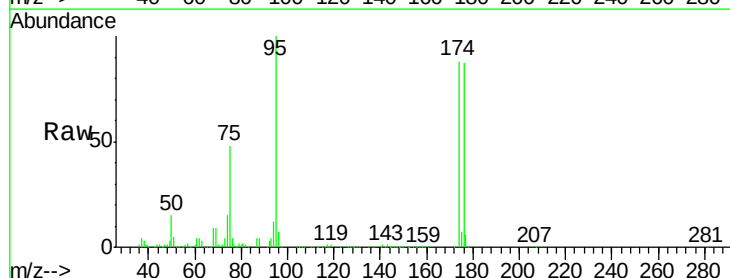
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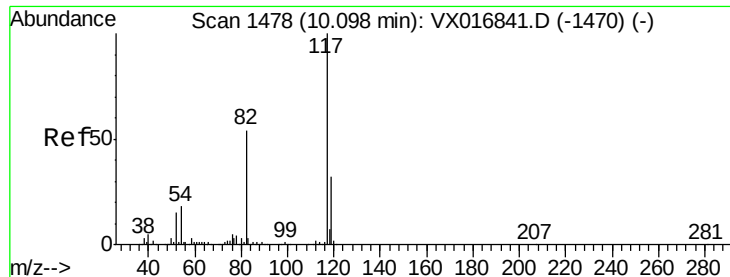
Tot Ion: 98 Resp: 507447  
Ion Ratio Lower Upper  
98 100  
100 67.5 54.0 81.0



#62  
4-Bromofluorobenzene  
Concen: 50.599 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX016851.D  
Acq: 18 Jun 2020 20:53

Tgt Ion: 95 Resp: 200292  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 174.2  
176 84.9 0.0 170.0

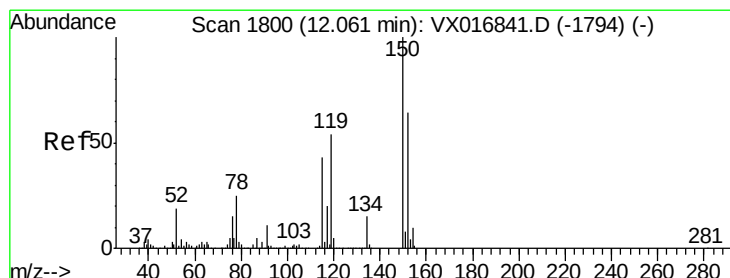
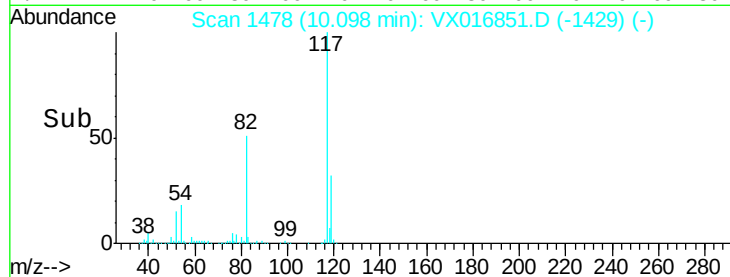
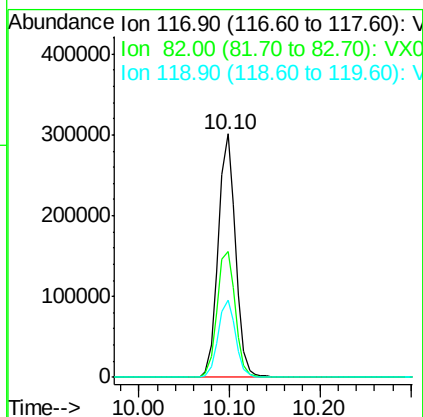
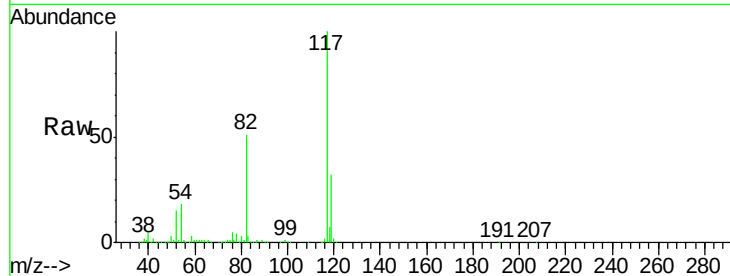




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016851.D  
Acq: 18 Jun 2020 20:53

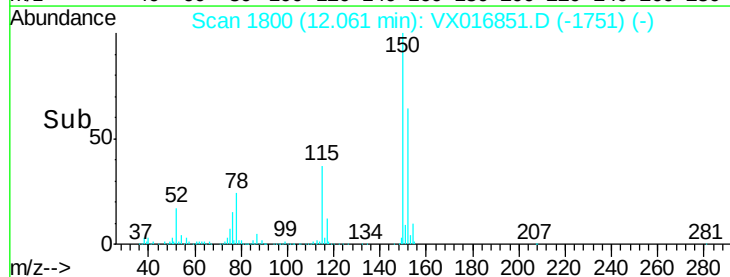
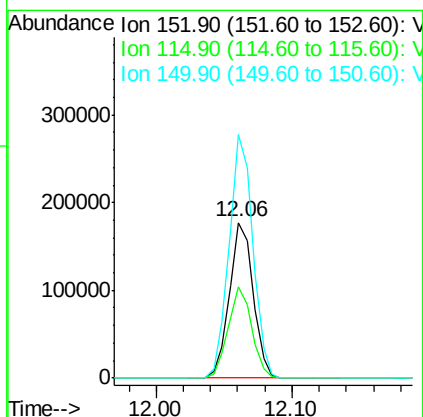
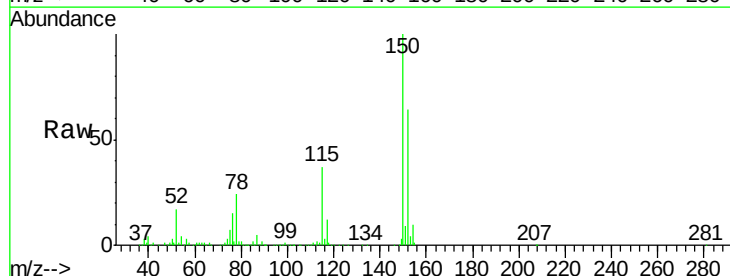
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01\_061520

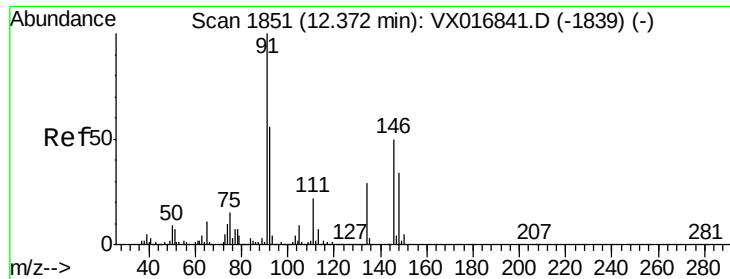
Tot Ion:117 Resp: 402160  
Ion Ratio Lower Upper  
117 100  
82 51.4 43.4 65.0  
119 31.5 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016851.D  
Acq: 18 Jun 2020 20:53

Tgt Ion:152 Resp: 215266  
Ion Ratio Lower Upper  
152 100  
115 58.0 40.9 122.8  
150 156.7 0.0 344.2





#89

n-Butylbenzene

Concen: 3.149 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016851.D

Acq: 18 Jun 2020 20:53

Instrument :

MSVOA\_X

ClientSampleId :

TB-01\_061520

Tot Ion: 91 Resp: 1738

Ion Ratio Lower Upper

91 100

92 56.3 27.4 82.2

134 24.3 13.9 41.6

