

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\  
 Data File : VX018573.D  
 Acq On : 24 Sep 2020 15:32  
 Operator : JC/SP  
 Sample : L4118-09 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP04-20200918

Quant Time: Sep 25 02:11:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

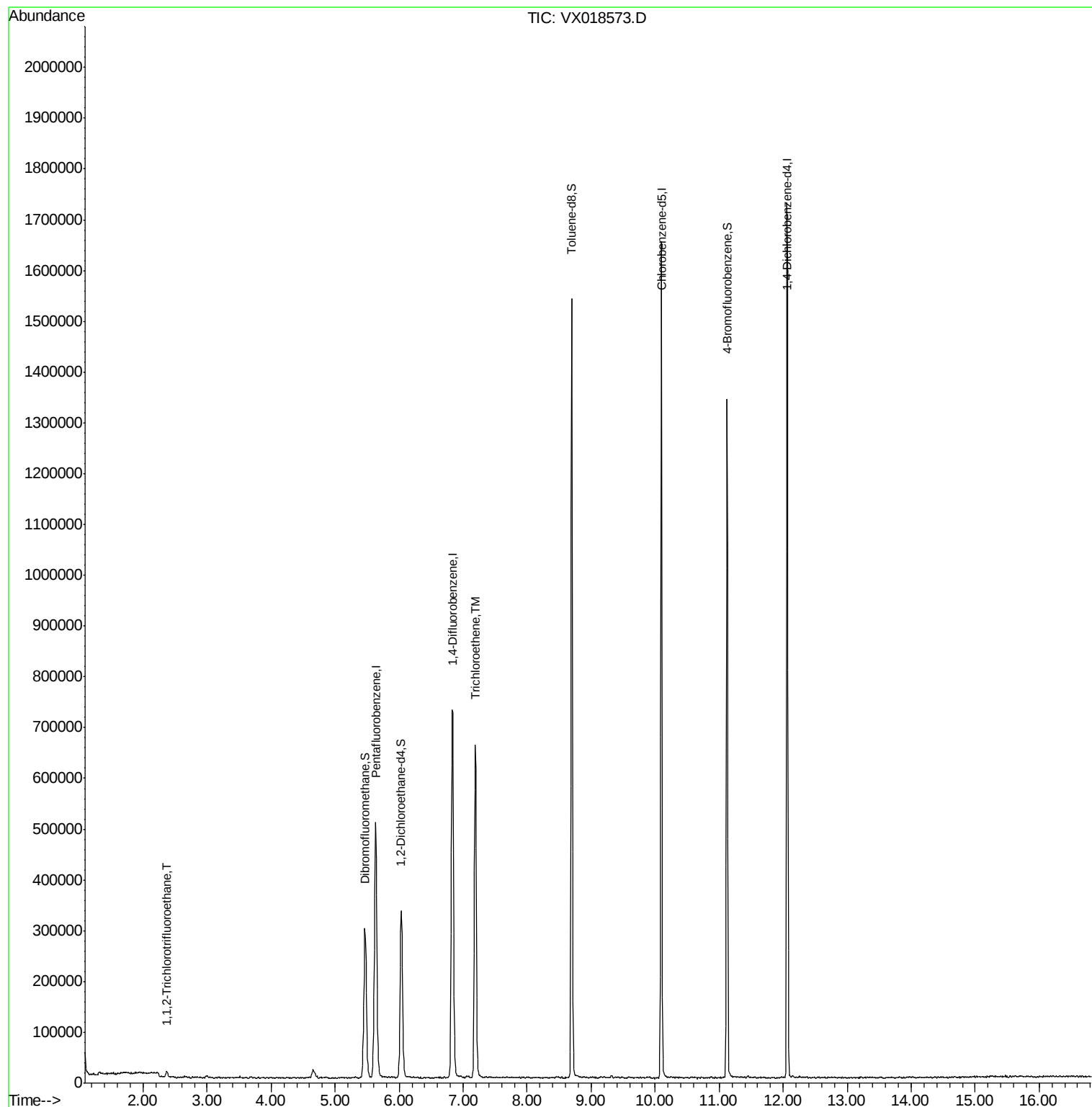
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 5.63  | 168  | 451939   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.84  | 114  | 722000   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.10 | 117  | 714949   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 354252   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.03  | 65   | 330393   | 51.68  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 103.36% |          |
| 35) Dibromofluoromethane      | 5.46  | 113  | 252501   | 50.59  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 101.18% |          |
| 50) Toluene-d8                | 8.70  | 98   | 885596   | 48.83  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 97.66%  |          |
| 62) 4-Bromofluorobenzene      | 11.12 | 95   | 334726   | 46.40  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 92.80%  |          |
| Target Compounds              |       |      |          |        |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36  | 101  | 4247     | 0.978  | ug/l    | 99       |
| 44) Trichloroethene           | 7.19  | 130  | 253096   | 43.533 | ug/l    | 92       |

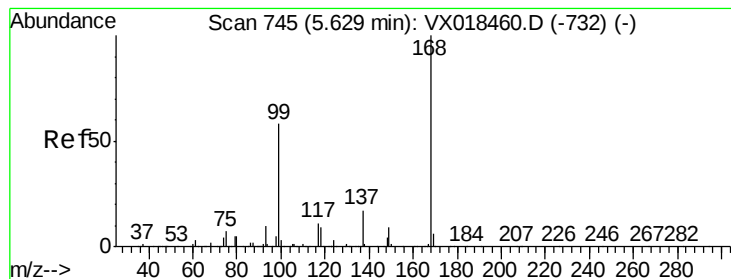
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 17 12:17:36 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA\_X

ClientSampleId :

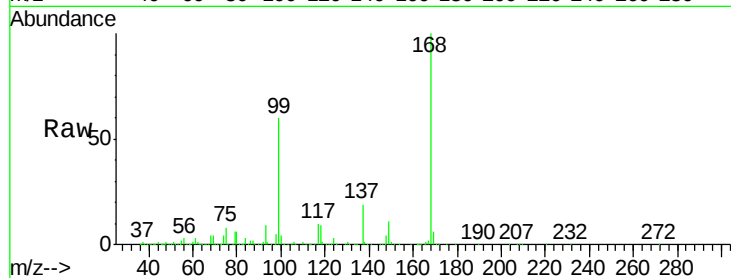
DUP04-20200918

Tot Ion:168 Resp: 451939

Ion Ratio Lower Upper

168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

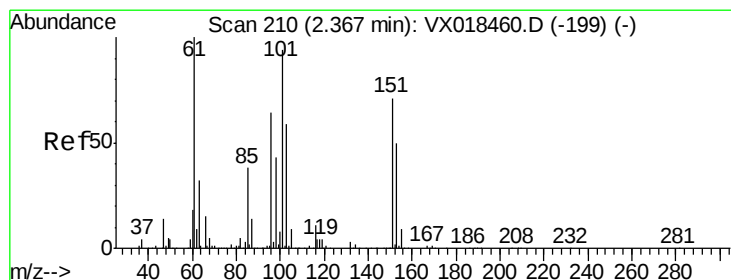
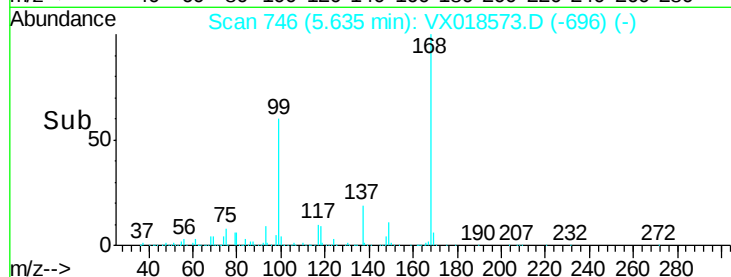
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.978 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

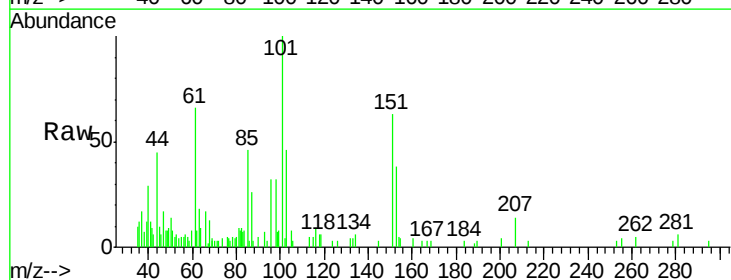
Tgt Ion:101 Resp: 4247

Ion Ratio Lower Upper

101 100

85 44.2 34.7 52.1

151 80.2 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.36

2500

2000

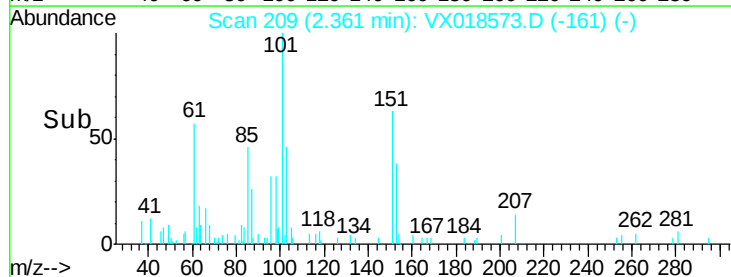
1500

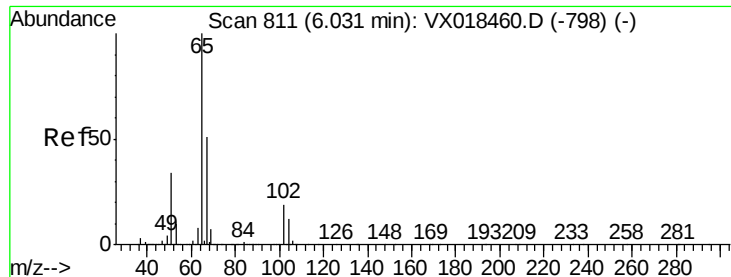
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.677 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA\_X

ClientSampleId :

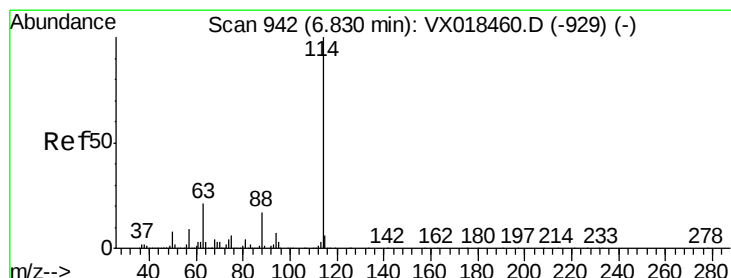
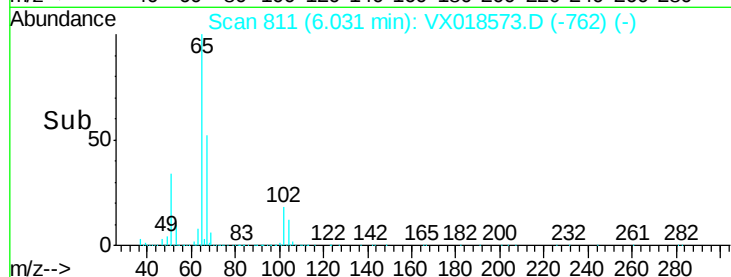
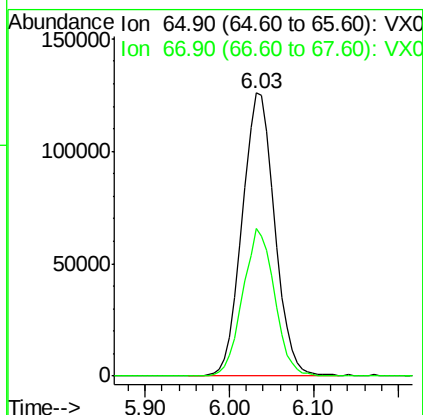
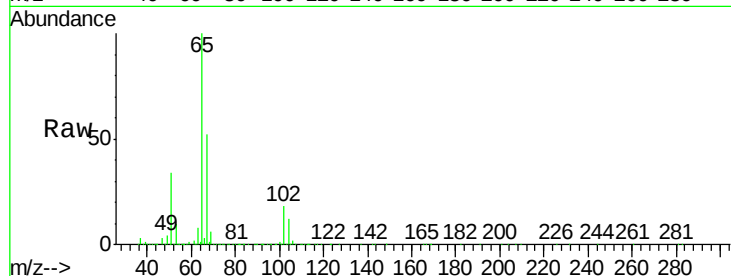
DUP04-20200918

Tot Ion: 65 Resp: 330393

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

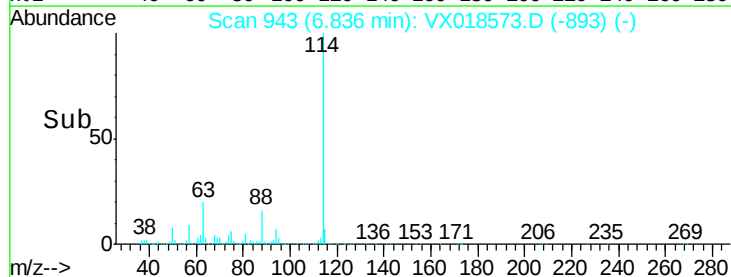
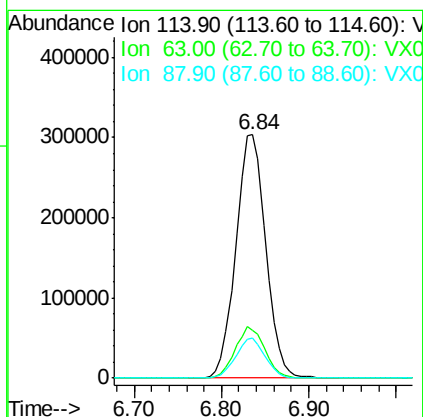
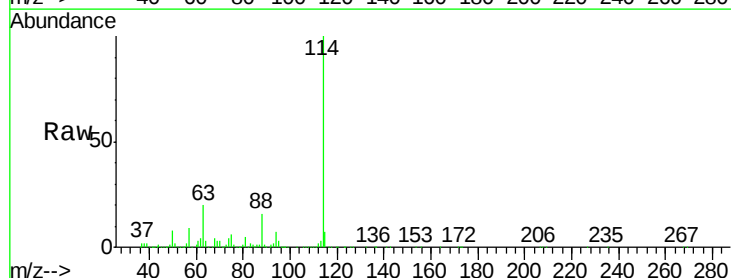
Tgt Ion: 114 Resp: 722000

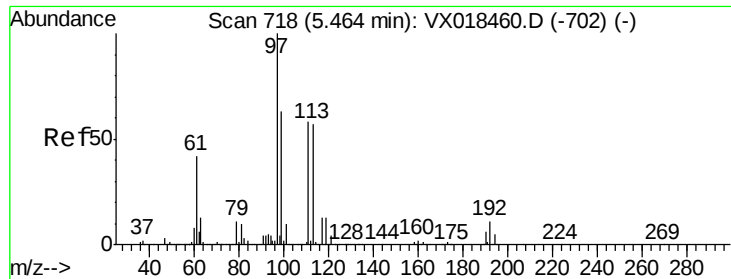
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 16.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.588 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA\_X

ClientSampleId :

DUP04-20200918

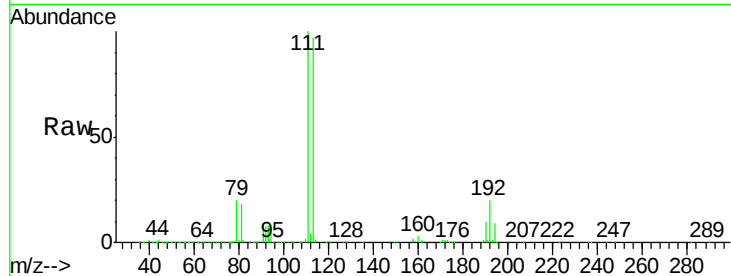
Tot Ion:113 Resp: 252501

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

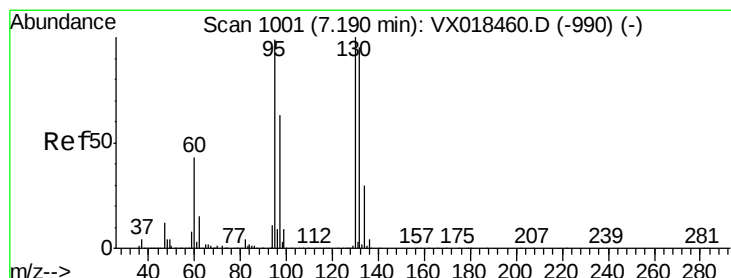
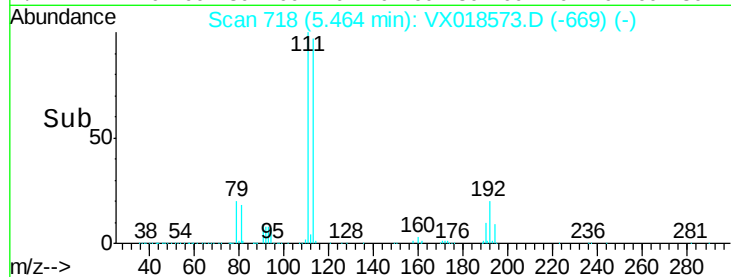
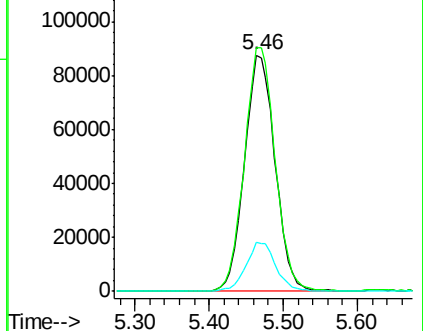
192 20.4 16.6 24.8



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



#44

Trichloroethene

Concen: 43.533 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018573.D

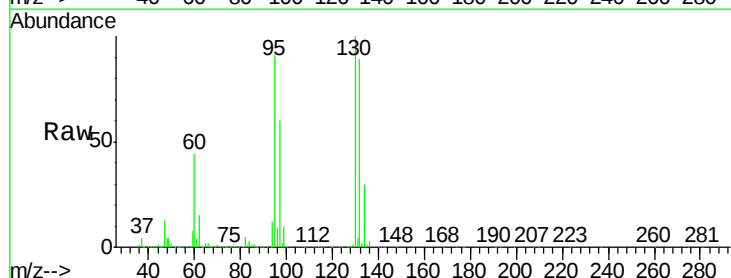
Acq: 24 Sep 2020 15:32

Tgt Ion:130 Resp: 253096

Ion Ratio Lower Upper

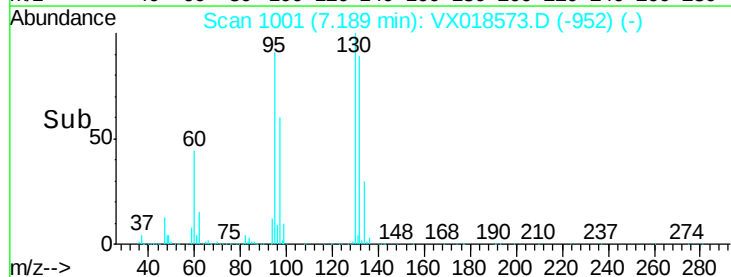
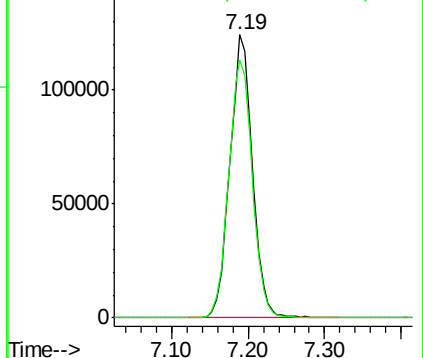
130 100

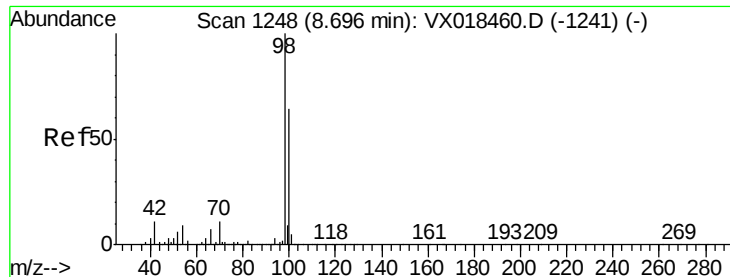
95 90.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.833 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA\_X

ClientSampleId :

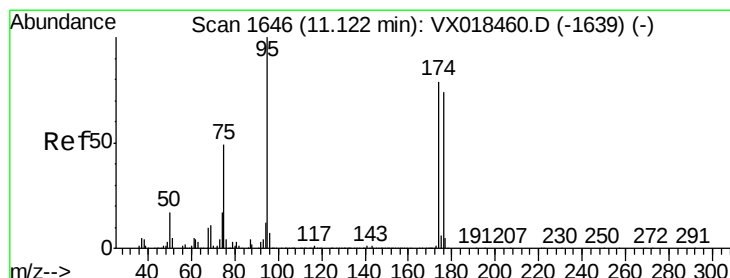
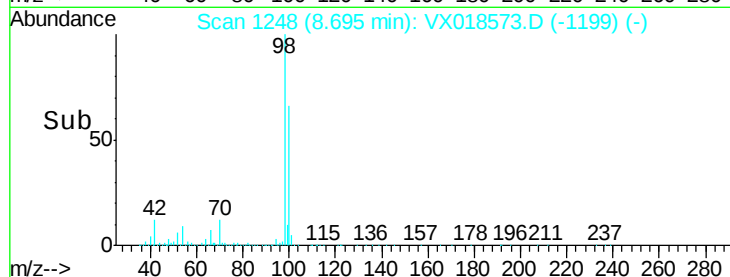
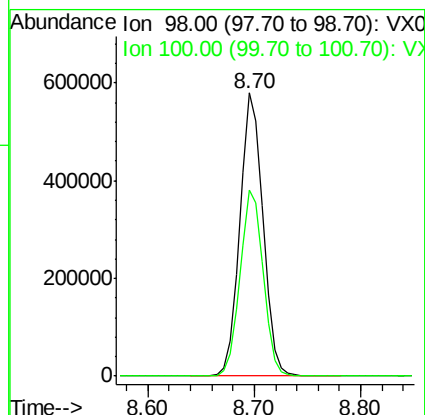
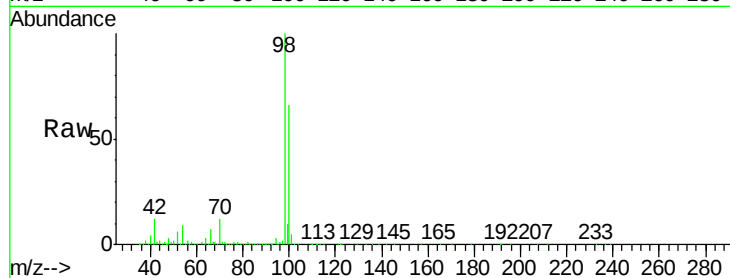
DUP04-20200918

Tot Ion: 98 Resp: 885596

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.401 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

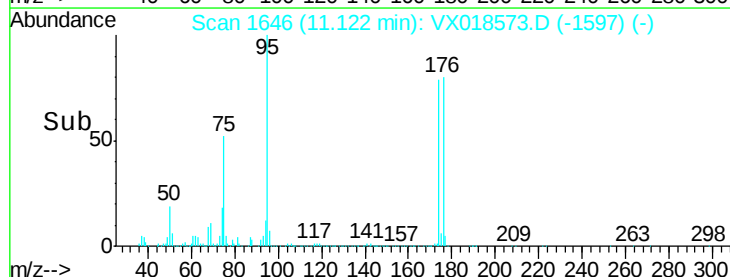
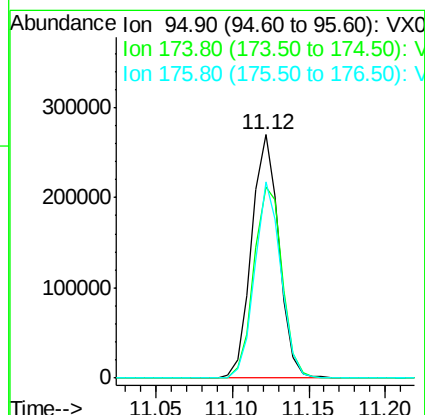
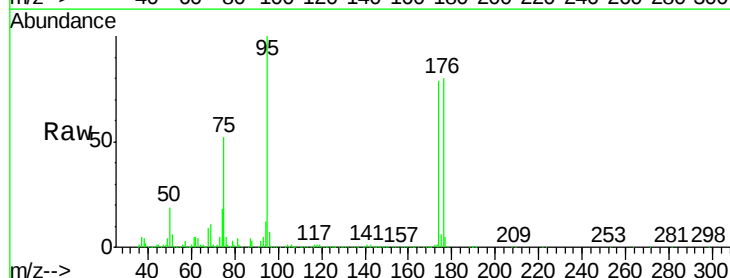
Tgt Ion: 95 Resp: 334726

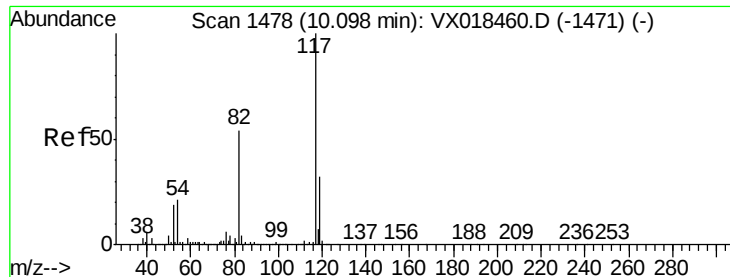
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.4

176 77.5 0.0 151.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA\_X

ClientSampleId :

DUP04-20200918

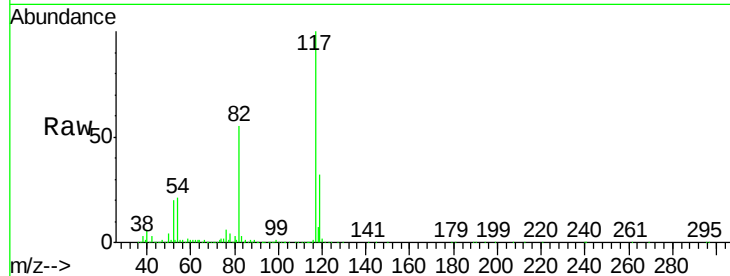
Tot Ion:117 Resp: 714949

Ion Ratio Lower Upper

117 100

82 55.0 43.3 64.9

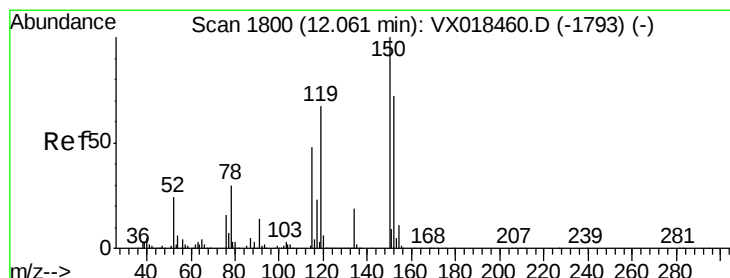
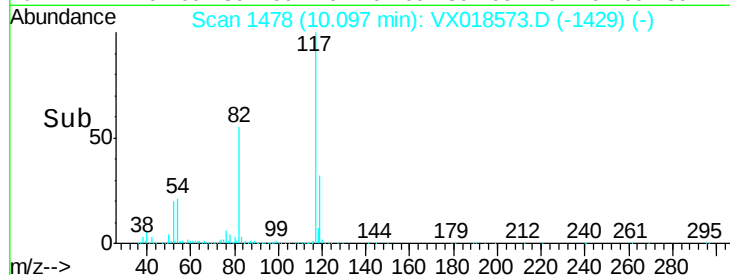
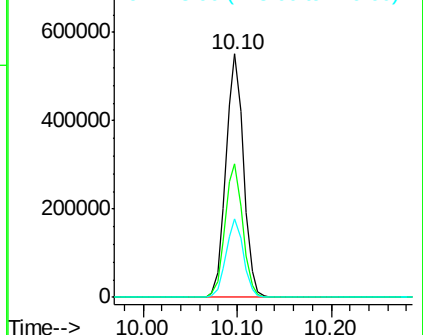
119 32.2 25.9 38.9



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: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

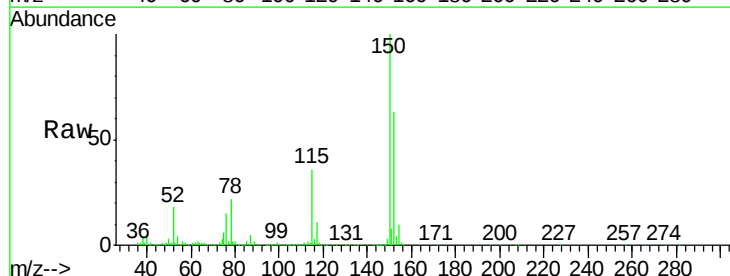
Tgt Ion:152 Resp: 354252

Ion Ratio Lower Upper

152 100

115 61.4 41.8 125.4

150 159.9 0.0 342.4



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

