

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\  
 Data File : VX016491.D  
 Acq On : 28 May 2020 17:25  
 Operator : JC/SP  
 Sample : L2767-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRE-1006

Quant Time: May 29 05:50:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

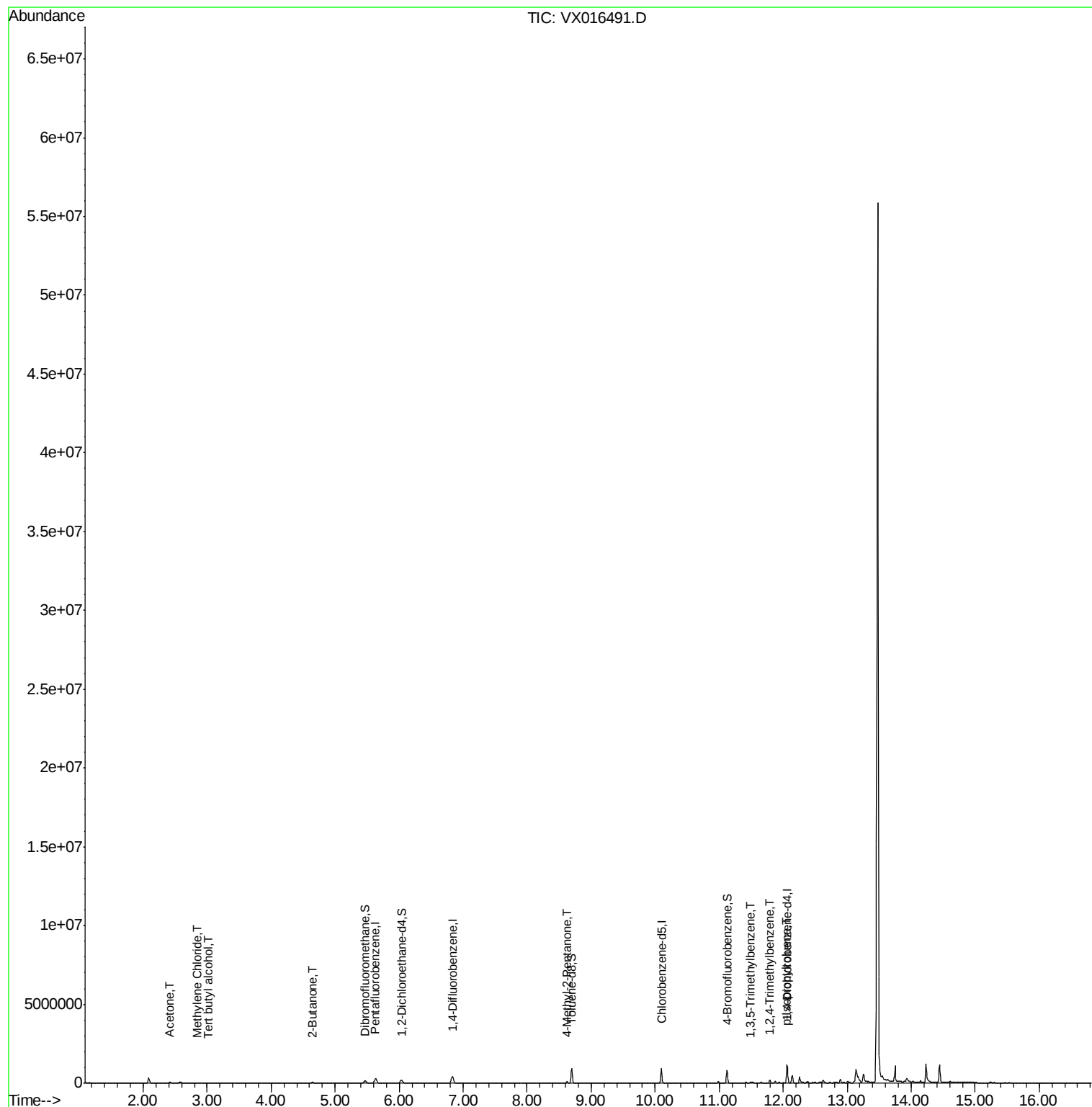
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64   | 168  | 270725   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84   | 114  | 443418   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10  | 117  | 440168   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06  | 152  | 230063   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65   | 164683   | 48.98  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.96%  |          |
| 35) Dibromofluoromethane    | 5.47   | 113  | 129253   | 47.34  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 94.68%  |          |
| 50) Toluene-d8              | 8.70   | 98   | 548202   | 51.59  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 103.18% |          |
| 62) 4-Bromofluorobenzene    | 11.12  | 95   | 226291   | 55.11  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 110.22% |          |
| Target Compounds            |        |      |          |        |         |          |
|                             |        |      |          |        | Qvalue  |          |
| 11) Tert butyl alcohol      | 3.01   | 59   | 6611     | 7.668  | ug/l    | 99       |
| 16) Acetone                 | 2.42   | 43   | 79622    | 54.055 | ug/l    | 98       |
| 20) Methylene Chloride      | 2.83   | 84   | 9573     | 3.141  | ug/l    | 94       |
| 25) 2-Butanone              | 4.64   | 43   | 51215    | 20.519 | ug/l    | 99       |
| 51) 4-Methyl-2-Pentanone    | 8.62   | 43   | 49812    | 10.175 | ug/l    | 99       |
| 80) 1,3,5-Trimethylbenzene  | 11.49  | 105  | 17992    | 1.352  | ug/l    | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.79  | 105  | 64360    | 4.781  | ug/l    | 100      |
| 86) p-Isopropyltoluene      | 12.05  | 119  | 46291    | 3.464  | ug/l    | 95       |

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

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Quant Time: May 29 05:50:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

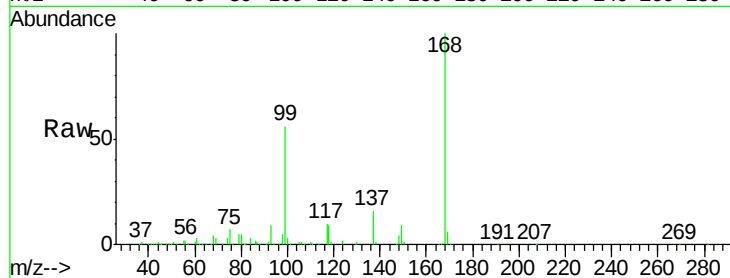
TRE-1006

Tot Ion:168 Resp: 270725

Ion Ratio Lower Upper

168 100

99 56.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

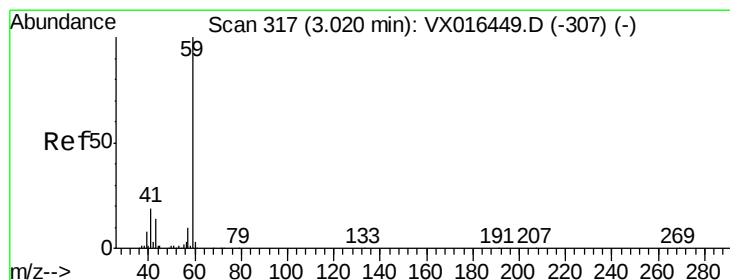
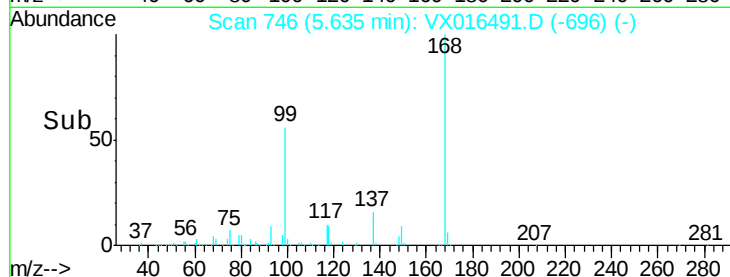
40000

20000

0

Time-->

5.50 5.60 5.70



#11

Tert butyl alcohol

Concen: 7.668 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016491.D

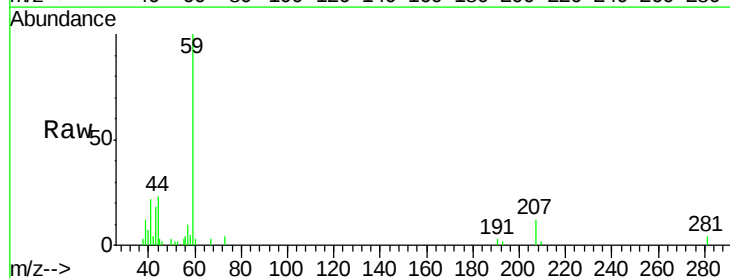
Acq: 28 May 2020 17:25

Tgt Ion: 59 Resp: 6611

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

3000

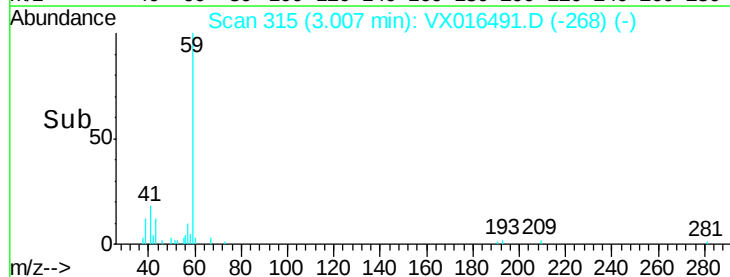
2000

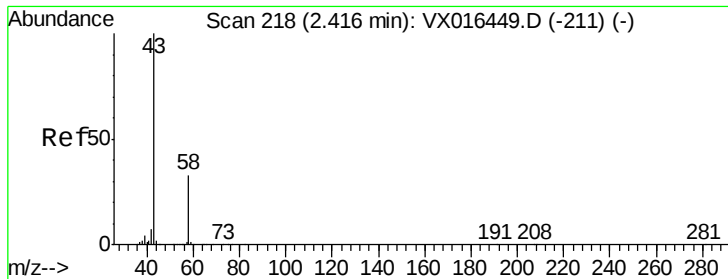
1000

0

Time-->

2.95 3.00 3.05 3.10





#16

Acetone

Concen: 54.055 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampled :

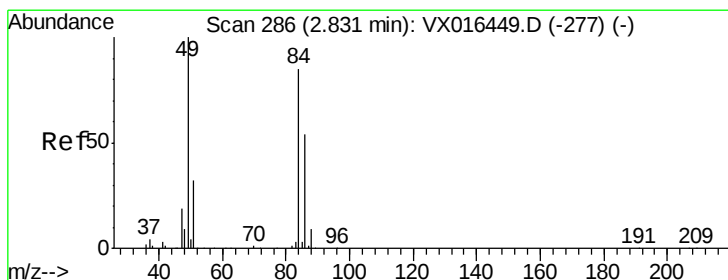
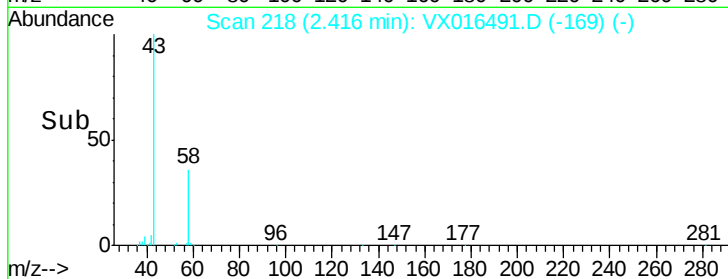
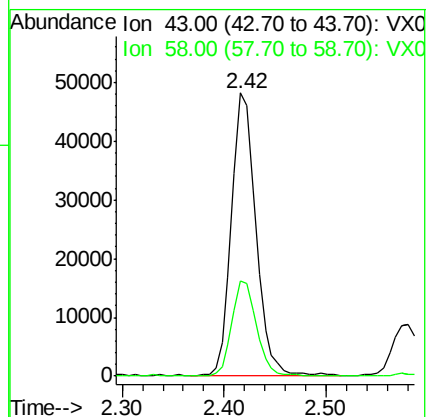
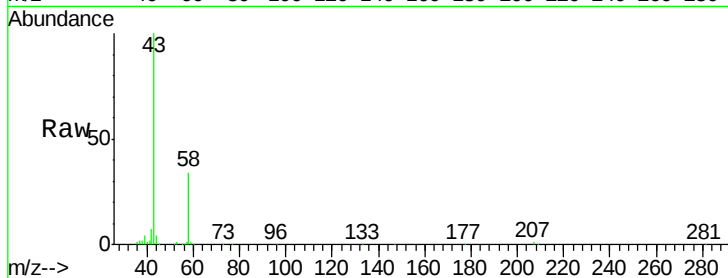
TRE-1006

Tot Ion: 43 Resp: 79622

Ion Ratio Lower Upper

43 100

58 33.7 26.1 39.1



#20

Methylene Chloride

Concen: 3.141 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Tgt Ion: 84 Resp: 9573

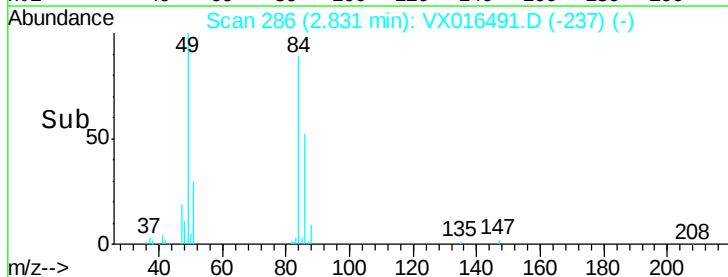
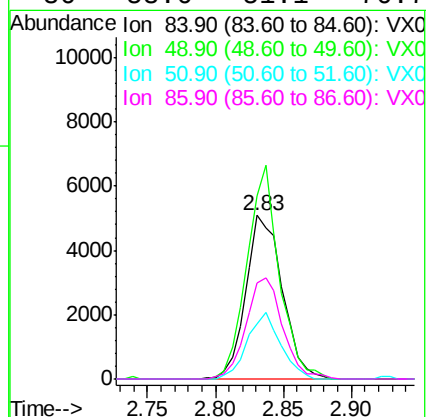
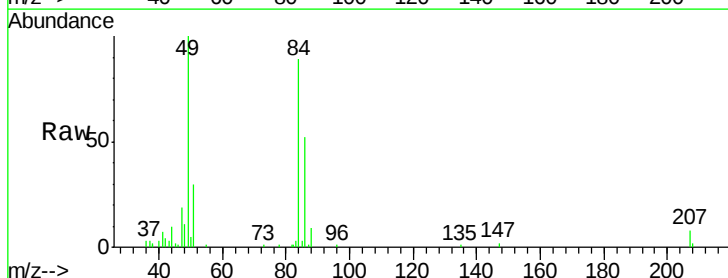
Ion Ratio Lower Upper

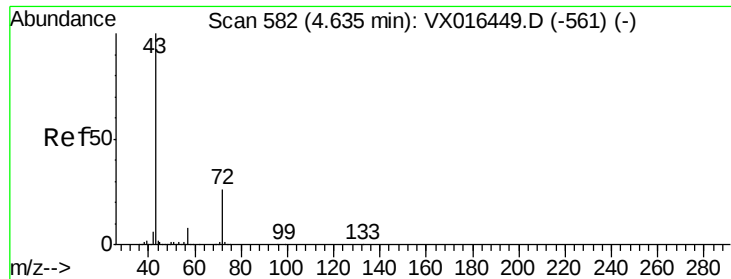
84 100

49 111.9 94.5 141.7

51 33.4 30.2 45.4

86 58.6 51.1 76.7





#25

2-Butanone

Concen: 20.519 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

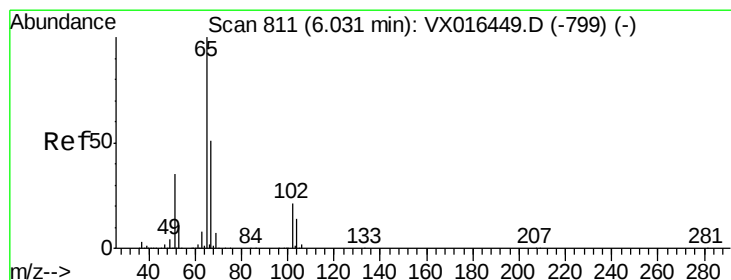
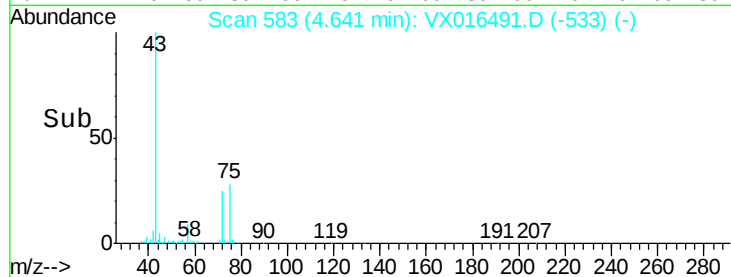
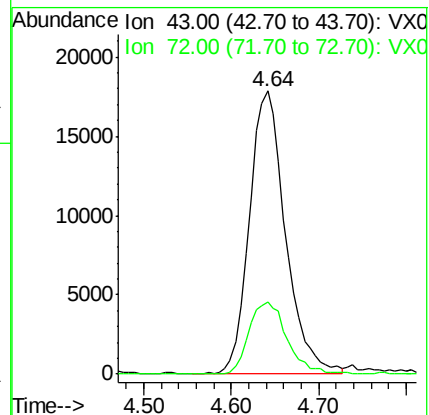
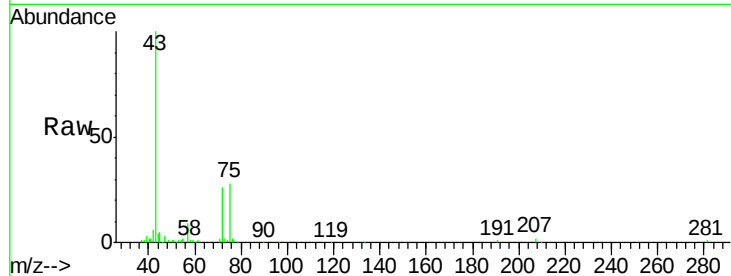
TRE-1006

Tot Ion: 43 Resp: 51215

Ion Ratio Lower Upper

43 100

72 25.6 21.0 31.6



#33

1,2-Dichloroethane-d4

Concen: 48.983 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016491.D

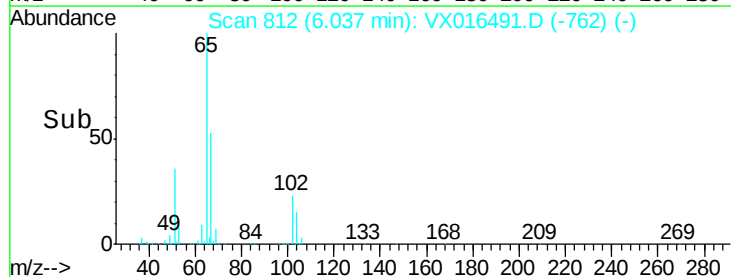
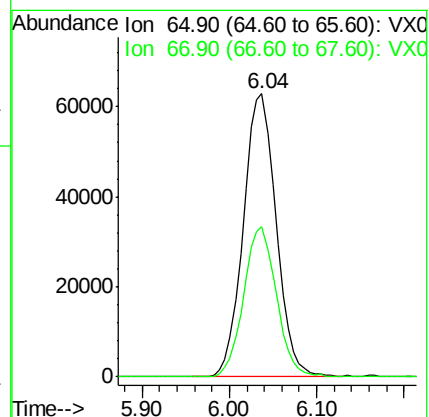
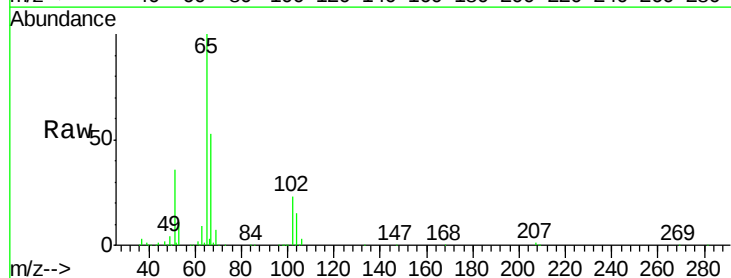
Acq: 28 May 2020 17:25

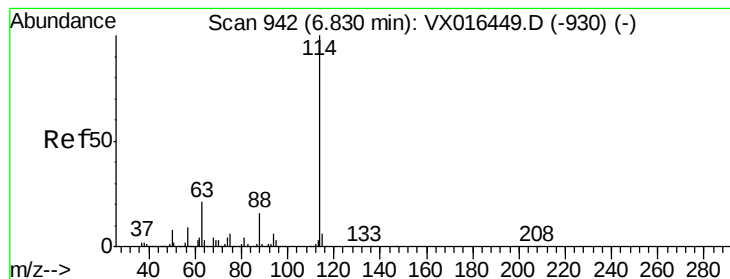
Tgt Ion: 65 Resp: 164683

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

TRE-1006

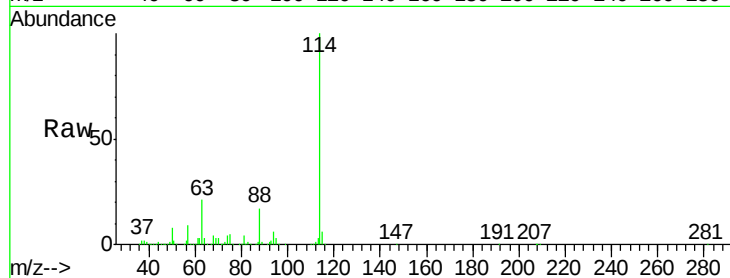
Tot Ion:114 Resp: 443418

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

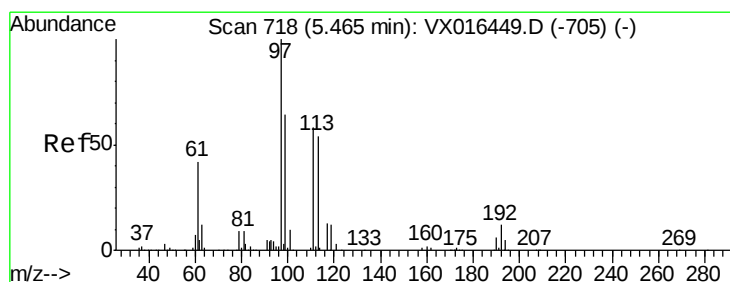
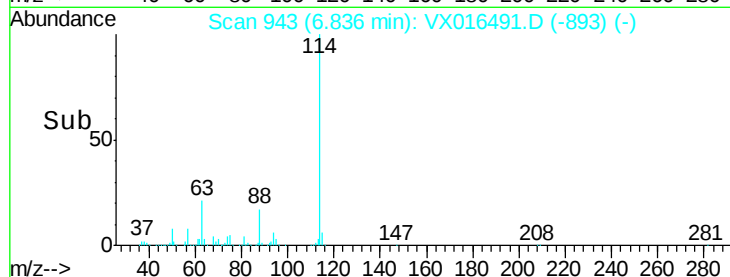
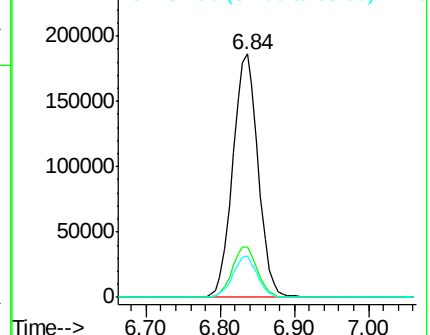
88 16.8 0.0 32.8



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: 47.340 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

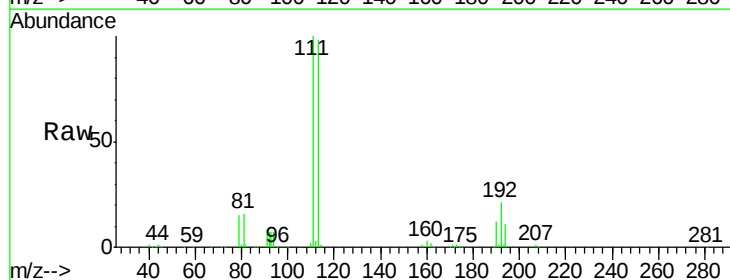
Tgt Ion:113 Resp: 129253

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.6

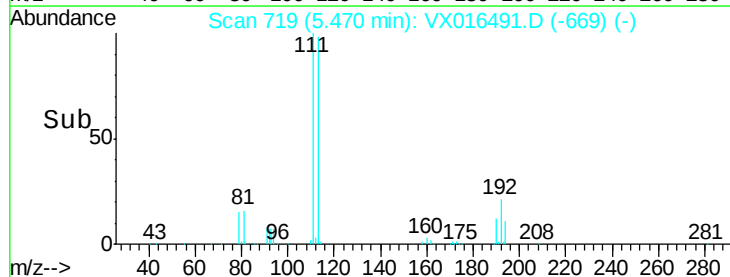
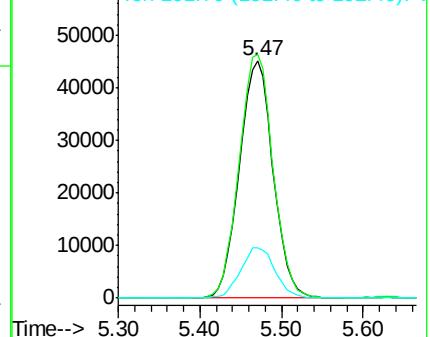
192 21.8 17.7 26.5

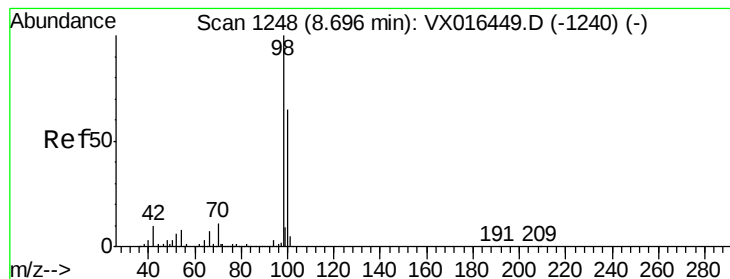


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.586 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

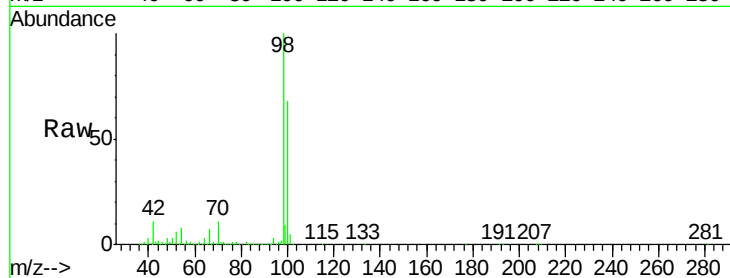
TRE-1006

Tot Ion: 98 Resp: 548202

Ion Ratio Lower Upper

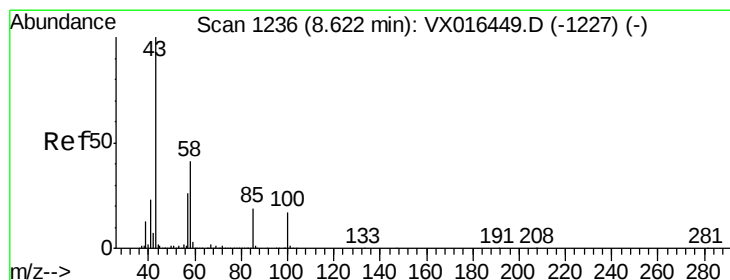
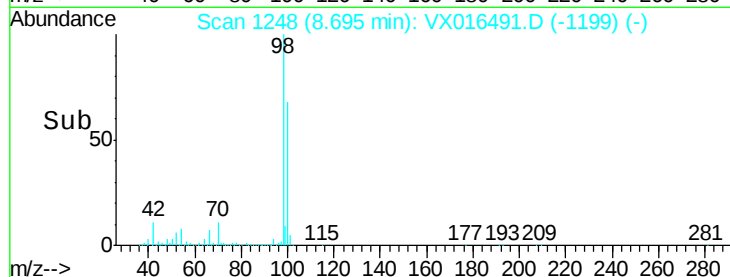
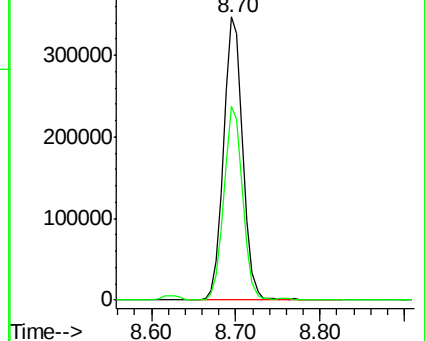
98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 10.175 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016491.D

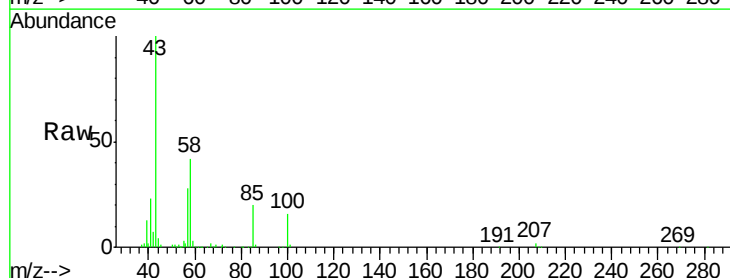
Acq: 28 May 2020 17:25

Tgt Ion: 43 Resp: 49812

Ion Ratio Lower Upper

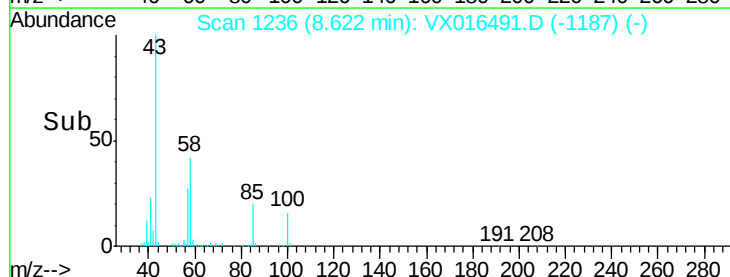
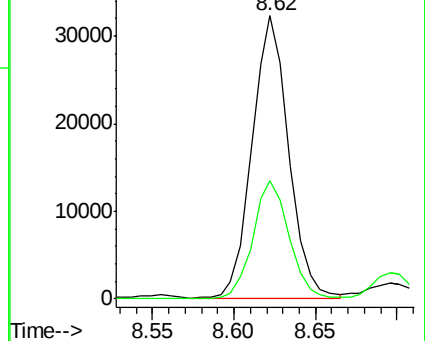
43 100

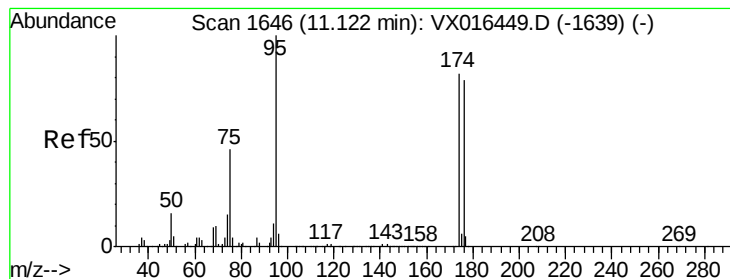
58 41.8 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.109 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

TRE-1006

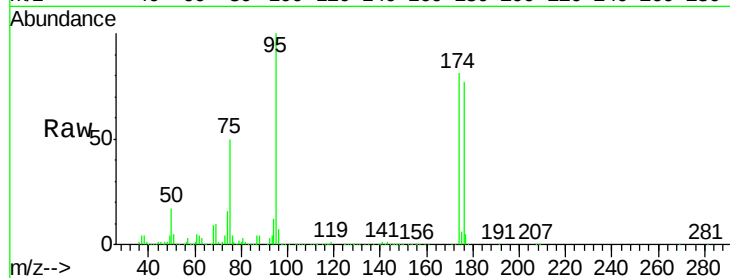
Tot Ion: 95 Resp: 226291

Ion Ratio Lower Upper

95 100

174 81.9 0.0 163.0

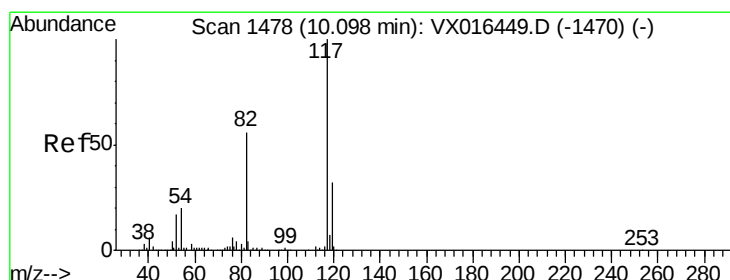
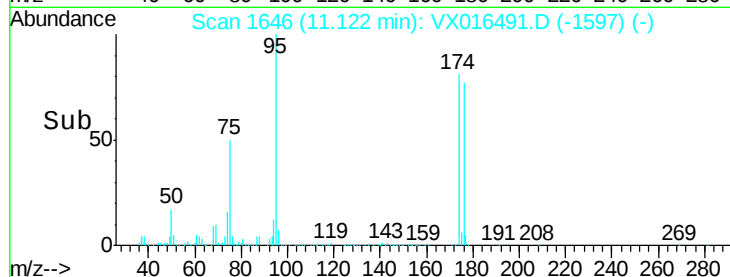
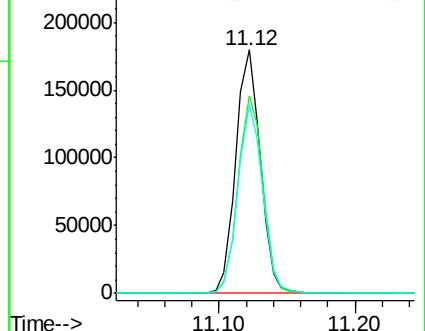
176 77.9 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016491.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016491.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016491.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

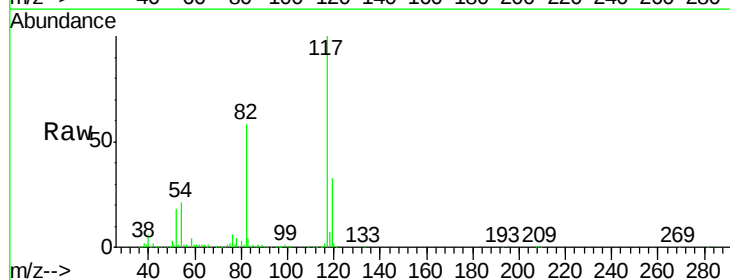
Tgt Ion: 117 Resp: 440168

Ion Ratio Lower Upper

117 100

82 57.7 45.0 67.6

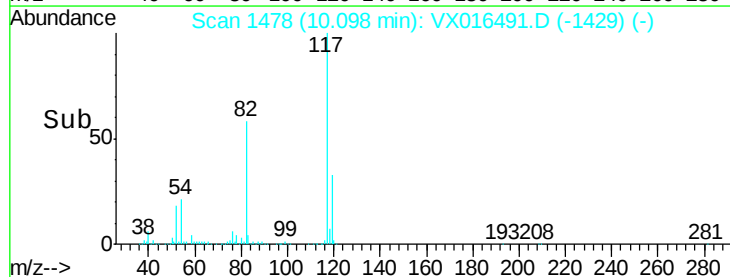
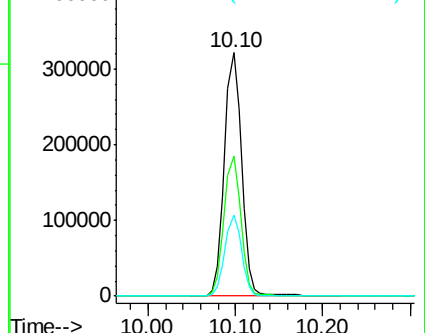
119 33.1 25.8 38.8

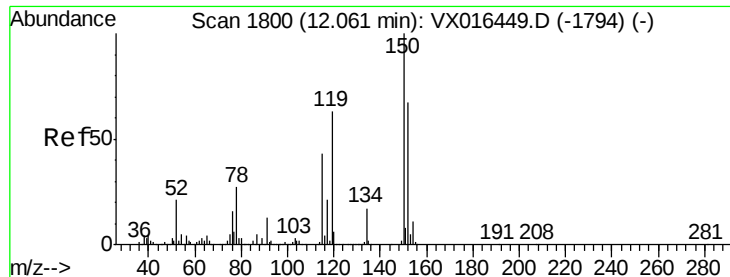


Abundance Ion 116.90 (116.60 to 117.60): VX016491.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016491.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016491.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016491.D

Acq: 28 May 2020 17:25

Instrument :

MSVOA\_X

ClientSampleId :

TRE-1006

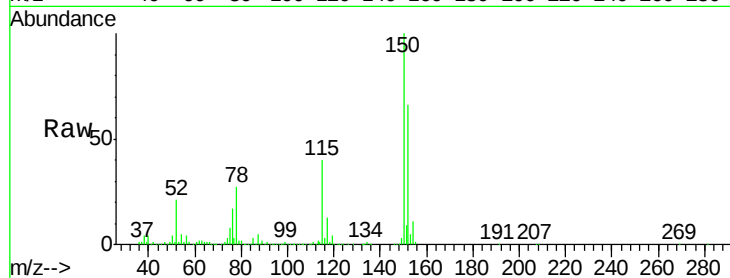
Tot Ion:152 Resp: 230063

Ion Ratio Lower Upper

152 100

115 60.5 39.9 119.6

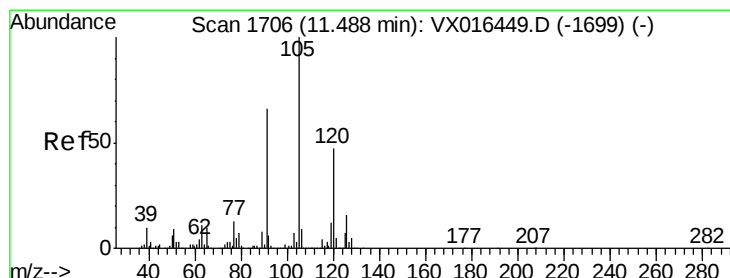
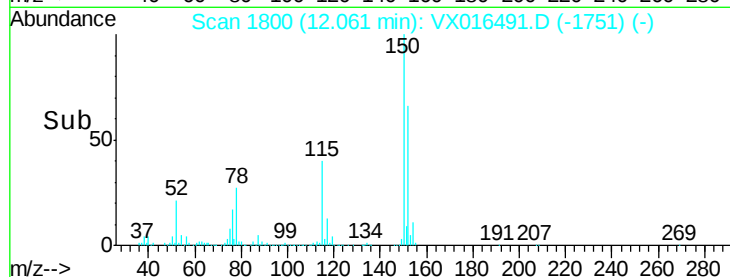
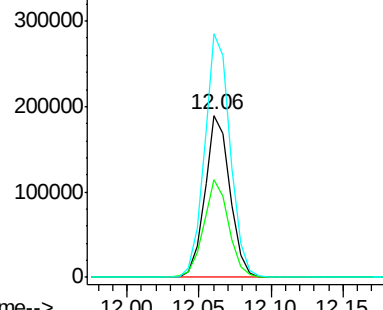
150 153.4 0.0 341.0



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



#80

1,3,5-Trimethylbenzene

Concen: 1.352 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016491.D

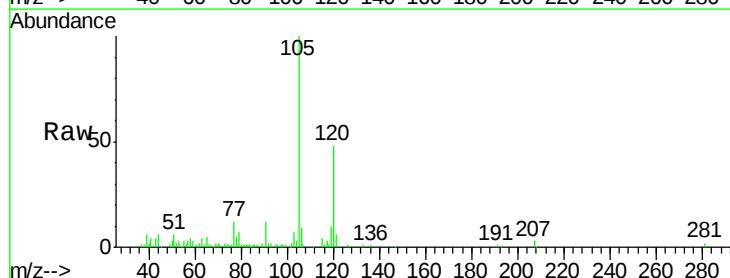
Acq: 28 May 2020 17:25

Tgt Ion:105 Resp: 17992

Ion Ratio Lower Upper

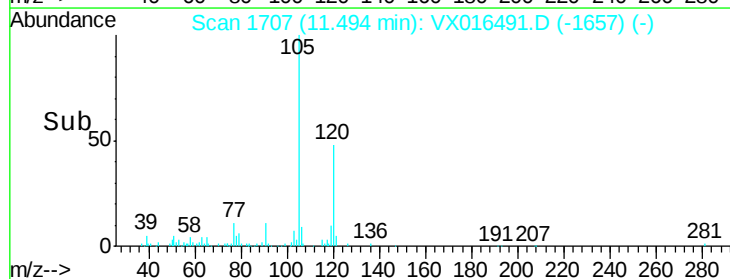
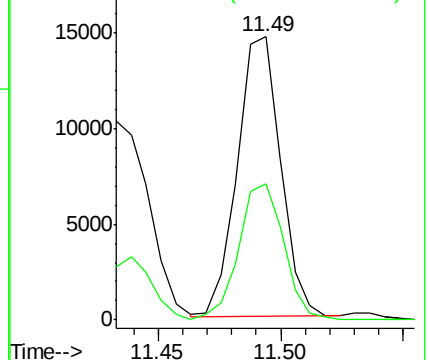
105 100

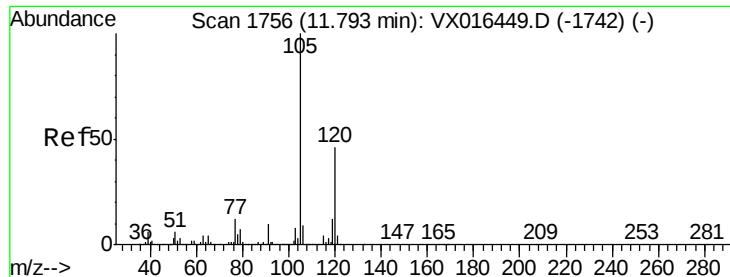
120 50.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

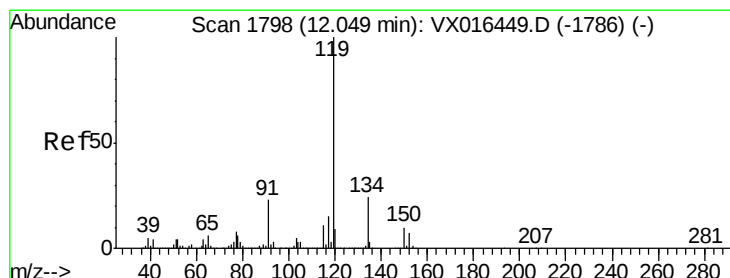
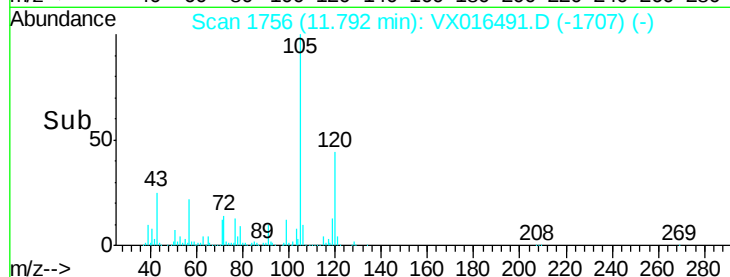
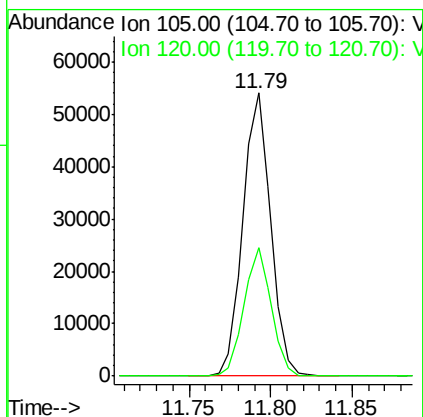
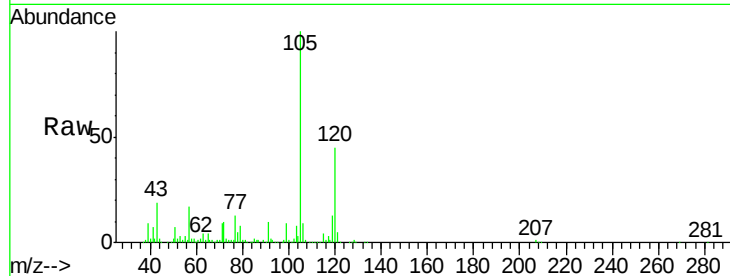




#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.781 ug/l  
 RT: 11.79 min Scan# 1756  
 Delta R.T. -0.00 min  
 Lab File: VX016491.D  
 Acq: 28 May 2020 17:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRE-1006

Tot Ion:105 Resp: 64360  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 22.6 67.7



#86  
 p-Isopropyltoluene  
 Concen: 3.464 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: VX016491.D  
 Acq: 28 May 2020 17:25

Tgt Ion:119 Resp: 46291  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 12.7 38.0  
 91 26.7 11.7 35.0

