

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011421\  
 Data File : VX020625.D  
 Acq On : 14 Jan 2021 20:03  
 Operator : JC/MD  
 Sample : M1124-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ETGI-358

Quant Time: Jan 15 05:13:19 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X011121W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 11 15:05:37 2021  
 Response via : Initial Calibration

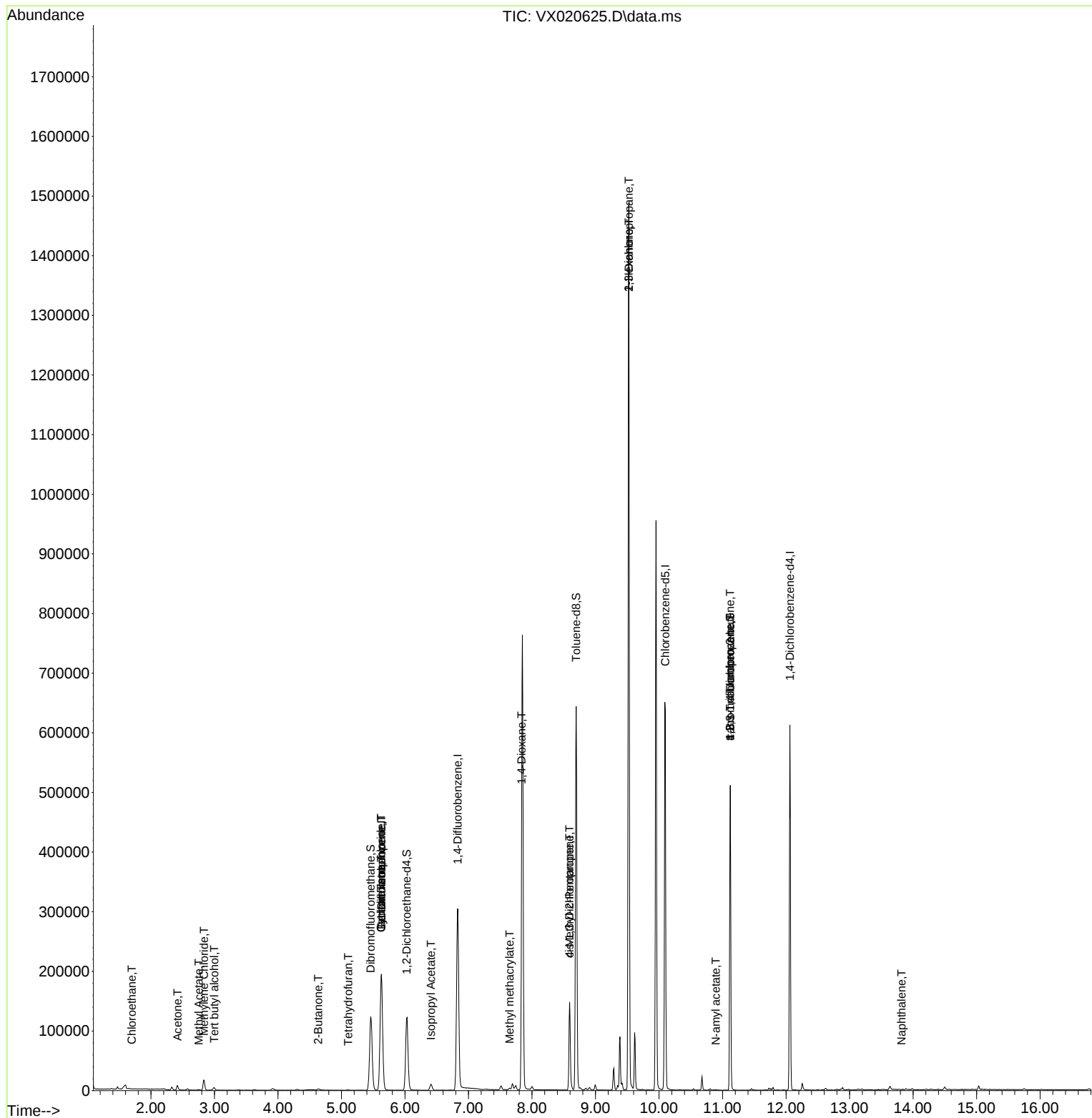
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 188824             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 314028             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.097         | 117  | 311295             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.060         | 152  | 130613             | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.025          | 65   | 119205             | 52.56 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 105.12% |       |        |          |
| 35) Dibromofluoromethane      | 5.458          | 113  | 107382             | 49.35 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 98.70%  |       |        |          |
| 50) Toluene-d8                | 8.695          | 98   | 395367             | 50.78 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 101.56% |       |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 137957             | 50.18 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 100.36% |       |        |          |
| Target Compounds              |                |      |                    |       |        |          |
|                               |                |      |                    |       | Qvalue |          |
| 6) Chloroethane               | 1.696          | 64   | 45                 | 0.46  | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.995          | 59   | 2754               | 4.40  | ug/l # | 73       |
| 16) Acetone                   | 2.416          | 43   | 8228               | 6.78  | ug/l   | 96       |
| 18) Methyl Acetate            | 2.751          | 43   | 1347               | 0.67  | ug/l # | 85       |
| 20) Methylene Chloride        | 2.837          | 84   | 8737               | 4.08  | ug/l   | 92       |
| 25) 2-Butanone                | 4.635          | 43   | 1684               | 1.37  | ug/l   | 91       |
| 29) Tetrahydrofuran           | 5.104          | 42   | 355                | 0.48  | ug/l # | 45       |
| 31) Cyclohexane               | 5.623          | 56   | 3306               | 1.24  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 13598              | 4.74  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 18937              | 5.66  | ug/l # | 16       |
| 43) Isopropyl Acetate         | 6.409          | 43   | 12630              | 3.13  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.647          | 41   | 4222               | 2.15  | ug/l # | 10       |
| 49) 1,4-Dioxane               | 7.836          | 88   | 76                 | 1.53  | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.592          | 43   | 45014              | 17.96 | ug/l # | 47       |
| 54) cis-1,3-Dichloropropene   | 8.592          | 75   | 24479              | 6.85  | ug/l # | 61       |
| 57) 1,3-Dichloropropane       | 9.524          | 76   | 13454              | 3.57  | ug/l # | 43       |
| 59) 2-Hexanone                | 9.524          | 43   | 150728             | 80.23 | ug/l # | 47       |
| 74) N-amyl acetate            | 10.896         | 43   | 177                | 1.29  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.122         | 75   | 62799              | 22.82 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122         | 75   | 62799              | 62.18 | ug/l # | 12       |
| 95) Naphthalene               | 13.816         | 128  | 222                | 3.87  | ug/l # | 69       |
| -----                         |                |      |                    |       |        |          |

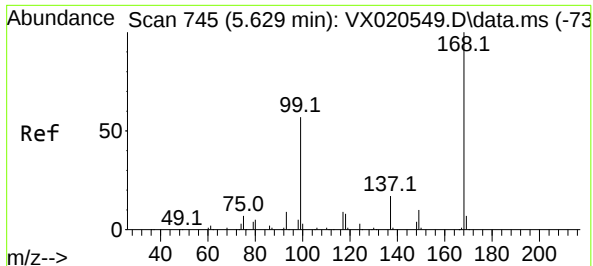
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011421\  
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Sample : M1124-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

Quant Time: Jan 15 05:13:19 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X011121W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 11 15:05:37 2021  
Response via : Initial Calibration

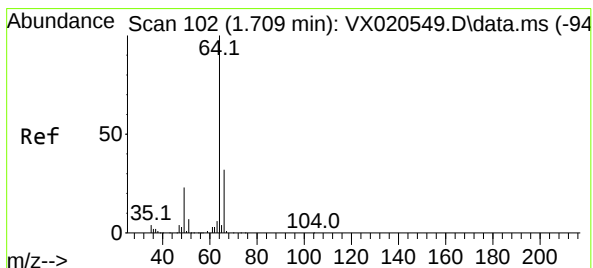
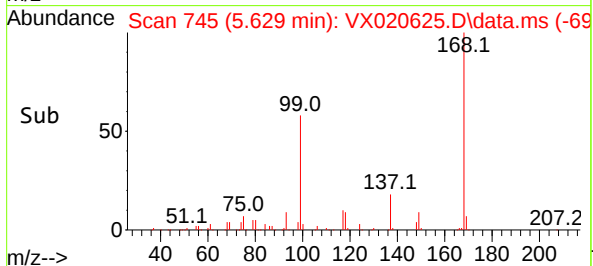
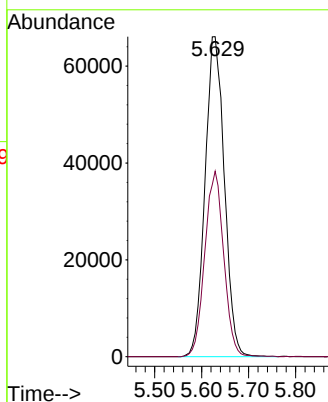
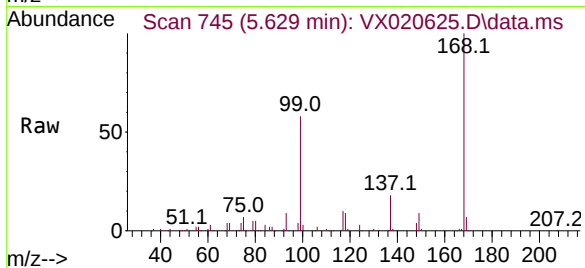




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

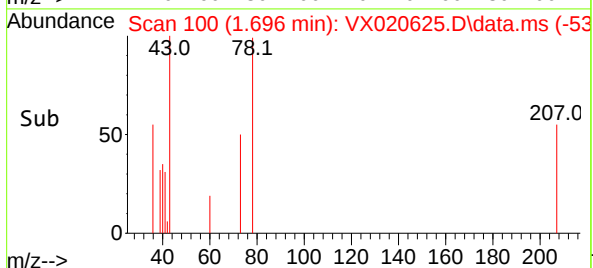
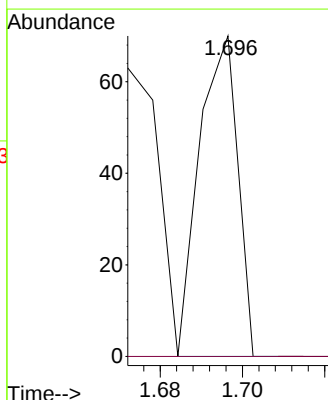
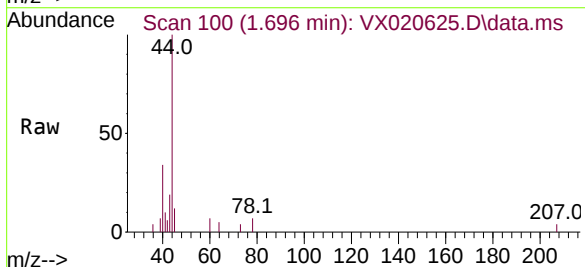
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

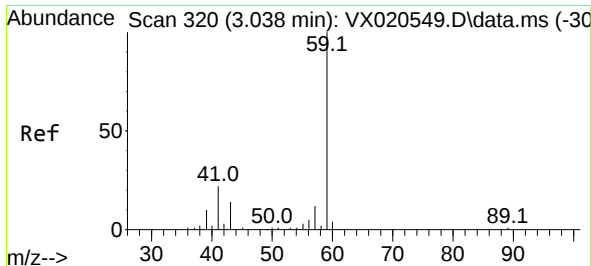
Tgt Ion:168 Resp: 188824  
Ion Ratio Lower Upper  
168 100  
99 57.9 45.8 68.6



#6  
Chloroethane  
Concen: 0.46 ug/l  
RT: 1.696 min Scan# 100  
Delta R.T. -0.013 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 64 Resp: 45  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



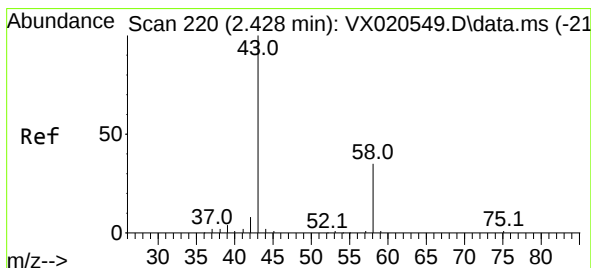
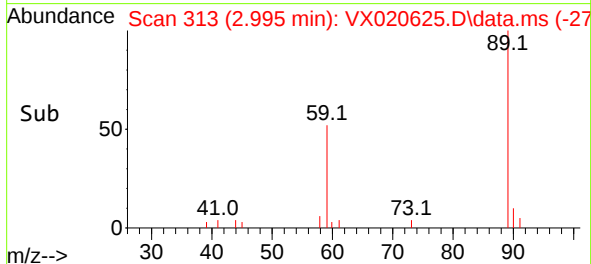
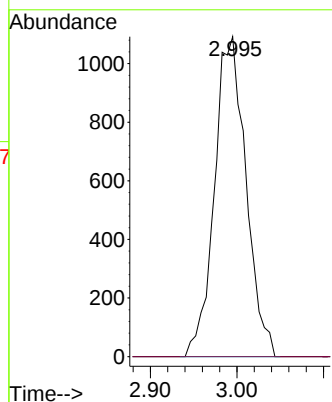
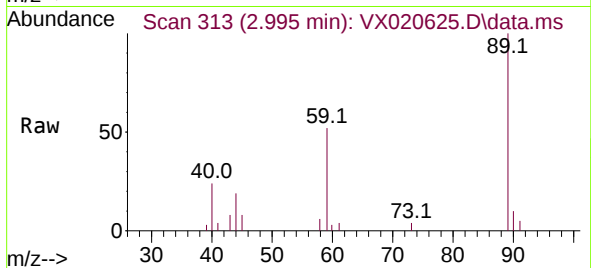


#11

Tert butyl alcohol  
Concen: 4.40 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.043 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Instrument :  
MSVOA\_X  
ClientSampled :  
ETGI-358

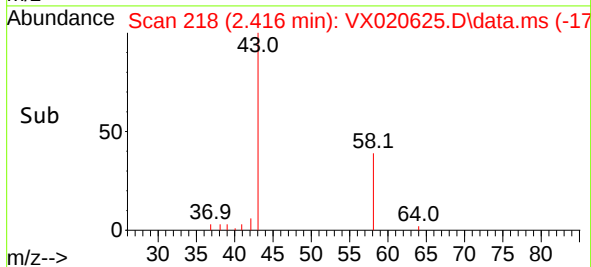
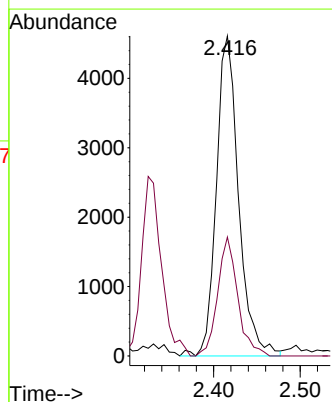
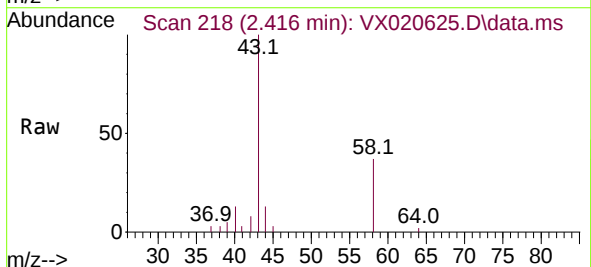
Tgt Ion: 59 Resp: 2754  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

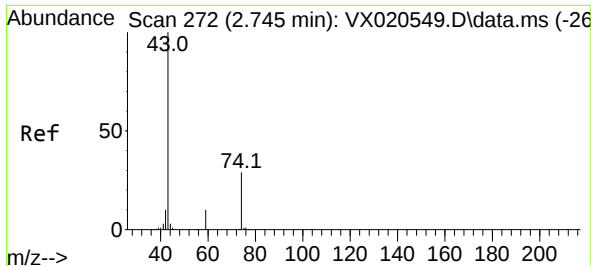


#16

Acetone  
Concen: 6.78 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.012 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 43 Resp: 8228  
Ion Ratio Lower Upper  
43 100  
58 37.2 27.8 41.8

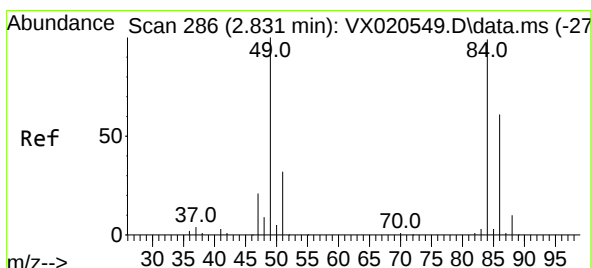
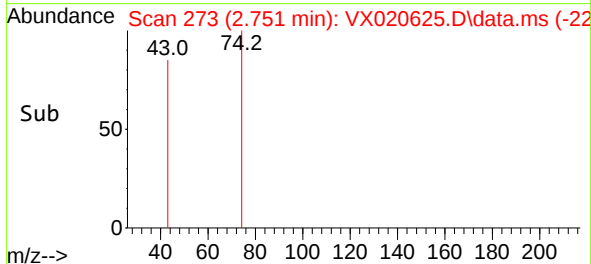
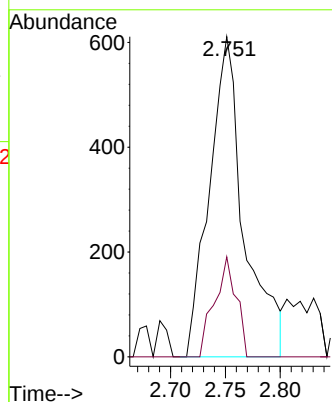
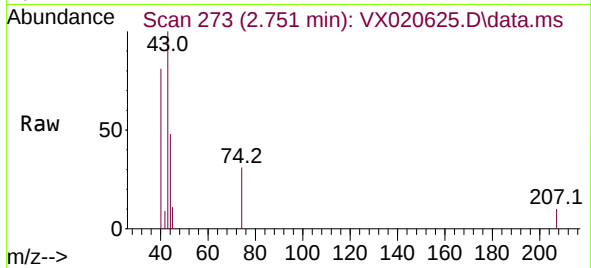




#18  
Methyl Acetate  
Concen: 0.67 ug/l  
RT: 2.751 min Scan# 273  
Delta R.T. 0.006 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

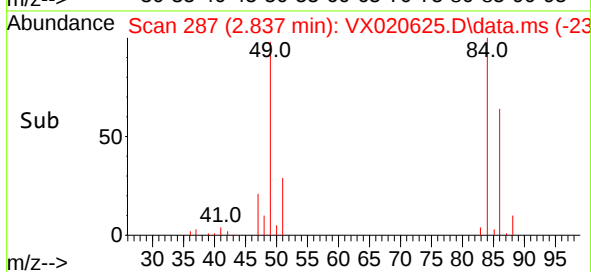
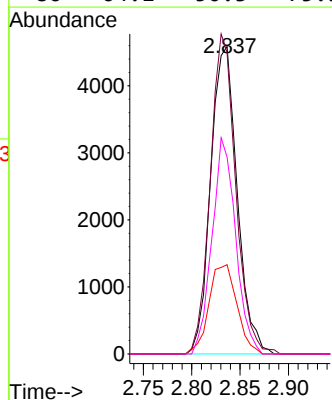
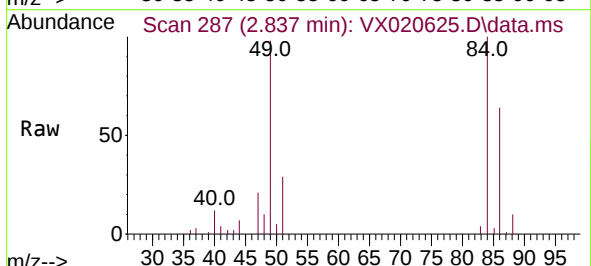
Instrument :  
MSVOA\_X  
ClientSampled :  
ETGI-358

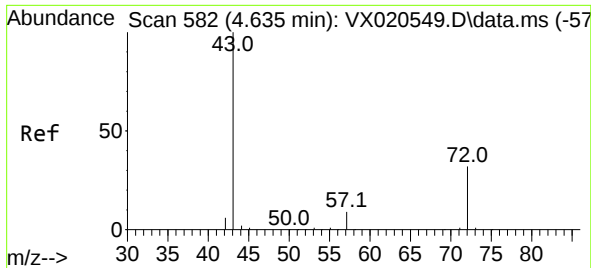
Tgt Ion: 43 Resp: 1347  
Ion Ratio Lower Upper  
43 100  
74 19.5 21.9 32.9#



#20  
Methylene Chloride  
Concen: 4.08 ug/l  
RT: 2.837 min Scan# 287  
Delta R.T. 0.006 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 84 Resp: 8737  
Ion Ratio Lower Upper  
84 100  
49 98.0 88.6 132.8  
51 29.1 27.0 40.6  
86 64.1 50.3 75.5

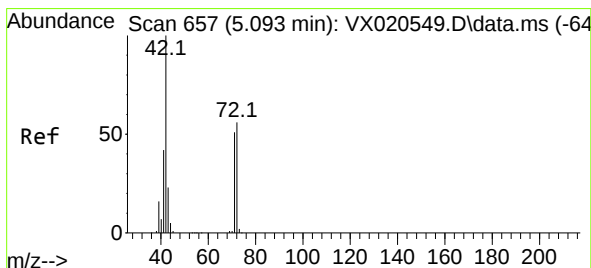
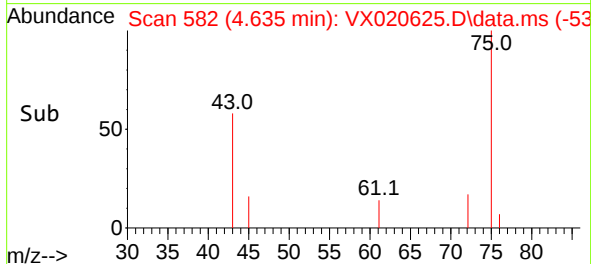
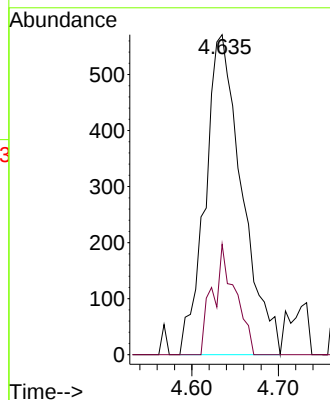
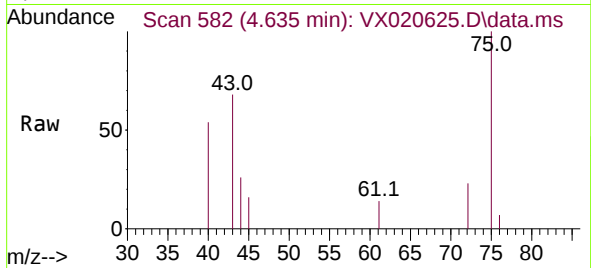




#25  
2-Butanone  
Concen: 1.37 ug/l  
RT: 4.635 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

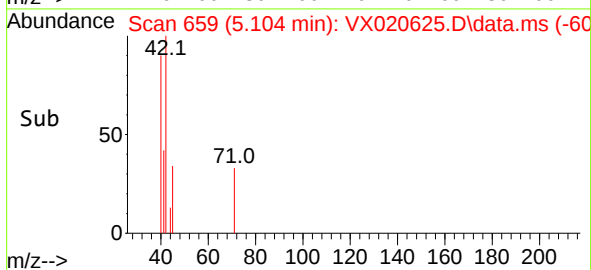
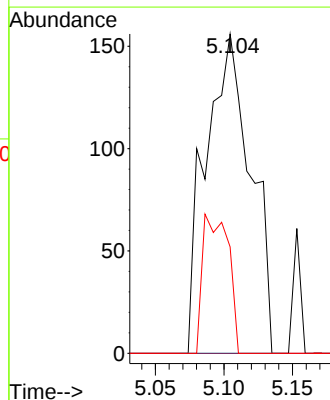
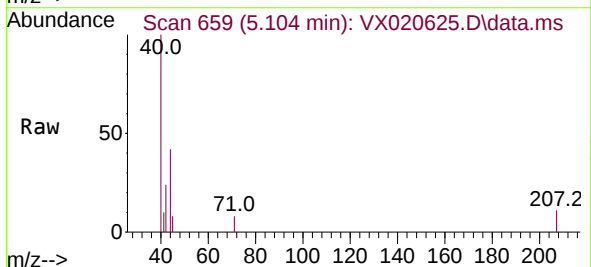
Instrument :  
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ClientSampleId :  
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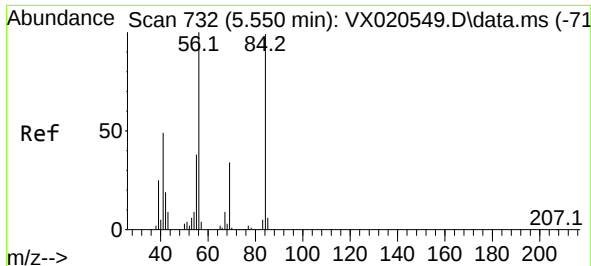
Tgt Ion: 43 Resp: 1684  
Ion Ratio Lower Upper  
43 100  
72 34.5 23.7 35.5



#29  
Tetrahydrofuran  
Concen: 0.48 ug/l  
RT: 5.104 min Scan# 659  
Delta R.T. 0.011 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

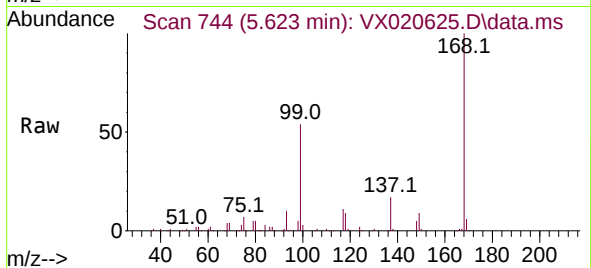
Tgt Ion: 42 Resp: 355  
Ion Ratio Lower Upper  
42 100  
72 0.0 41.7 62.5#  
71 25.1 38.4 57.6#



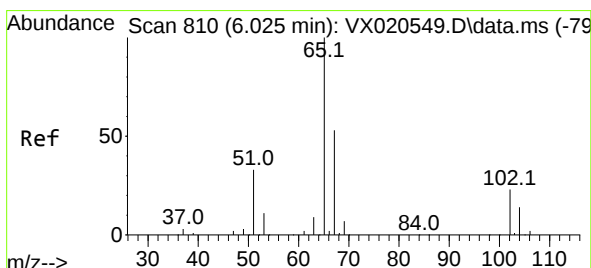
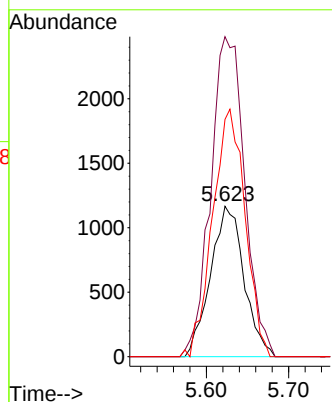
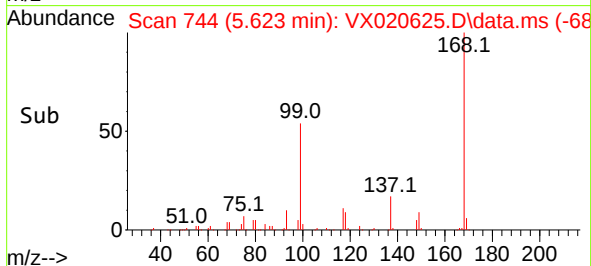


#31  
Cyclohexane  
Concen: 1.24 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.073 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

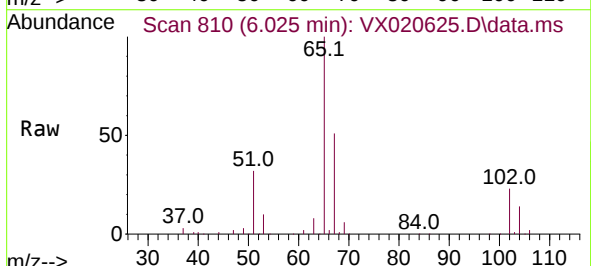
Instrument :  
MSVOA\_X  
ClientSampled :  
ETGI-358



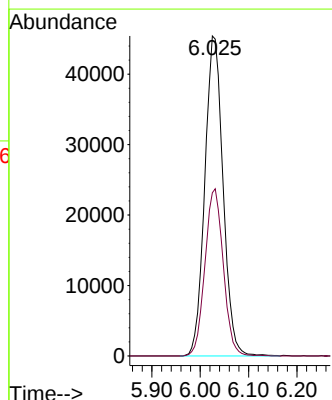
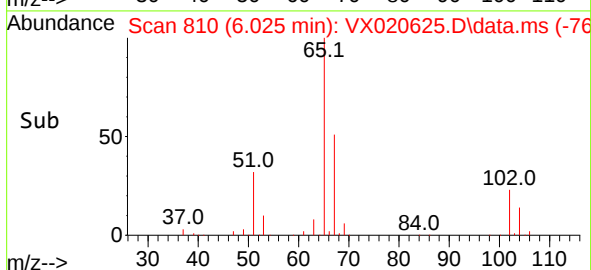
Tgt Ion: 56 Resp: 3306  
Ion Ratio Lower Upper  
56 100  
69 212.7 25.3 37.9#  
84 157.7 71.4 107.0#

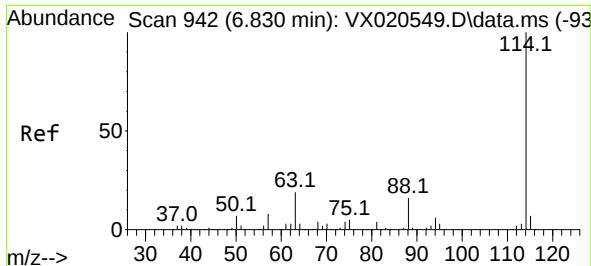


#33  
1,2-Dichloroethane-d4  
Concen: 52.56 ug/l  
RT: 6.025 min Scan# 810  
Delta R.T. -0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03



Tgt Ion: 65 Resp: 119205  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 105.4

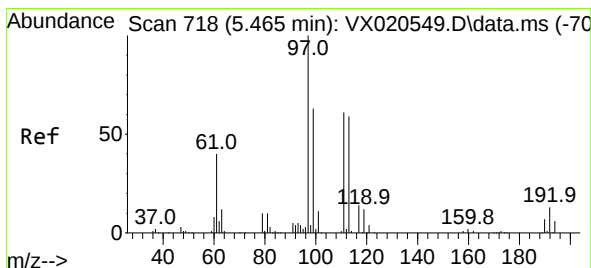
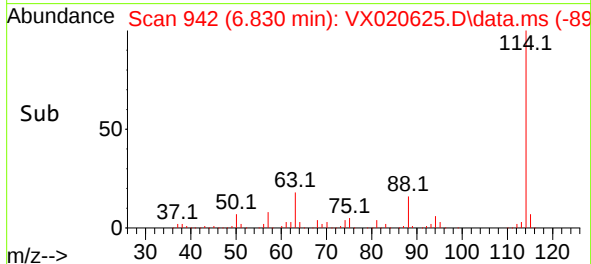
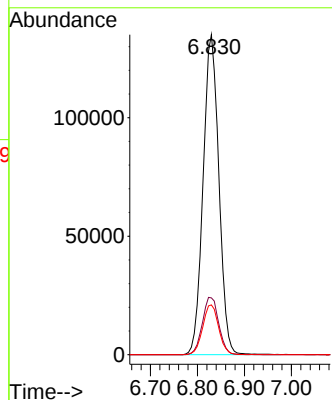
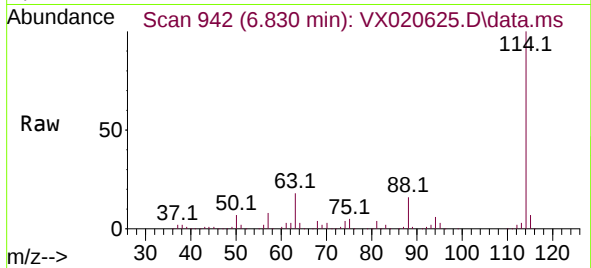




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

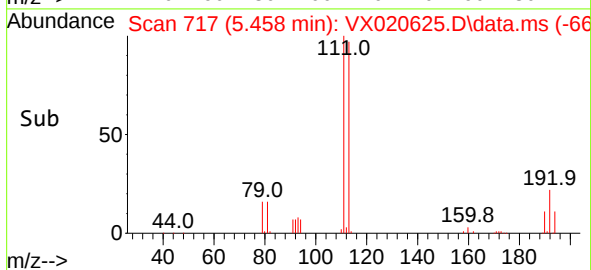
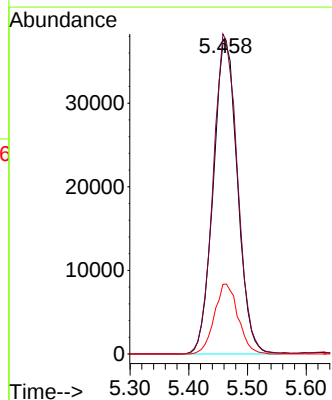
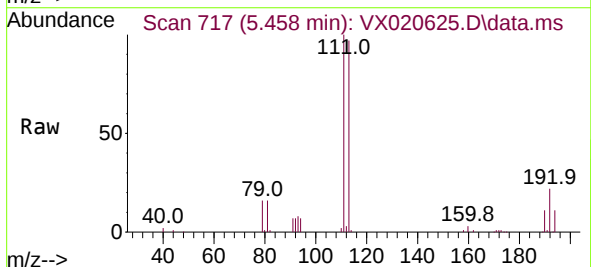
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

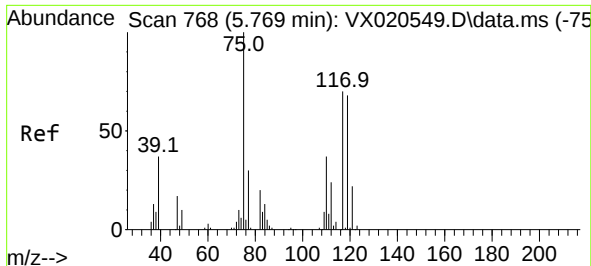
Tgt Ion:114 Resp: 314028  
Ion Ratio Lower Upper  
114 100  
63 17.8 0.0 40.8  
88 15.5 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.35 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.007 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

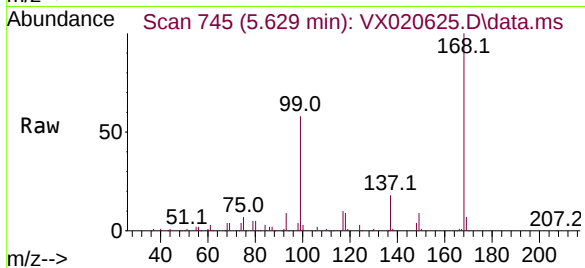
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192 21.8 16.7 25.1



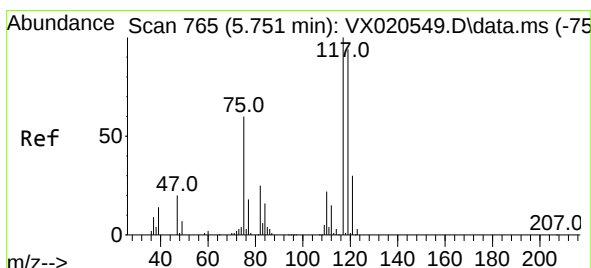
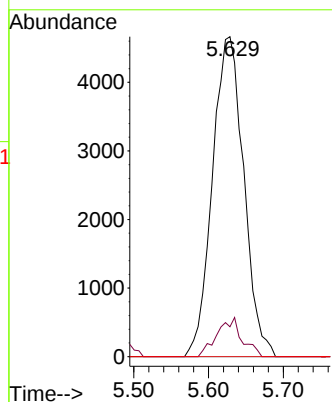
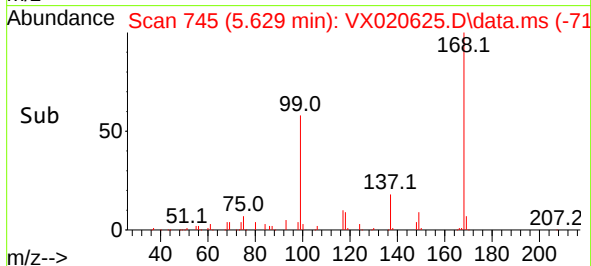


#36  
1,1-Dichloropropene  
Concen: 4.74 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.140 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

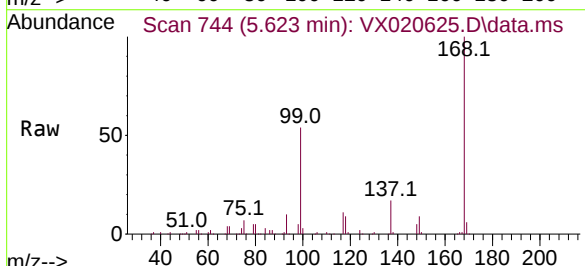
Instrument :  
MSVOA\_X  
ClientSampled :  
ETGI-358



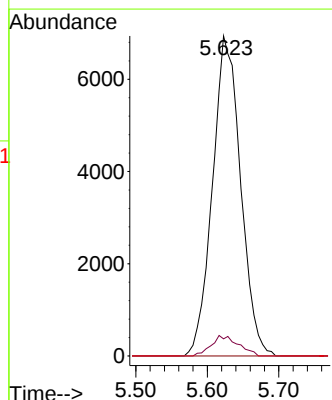
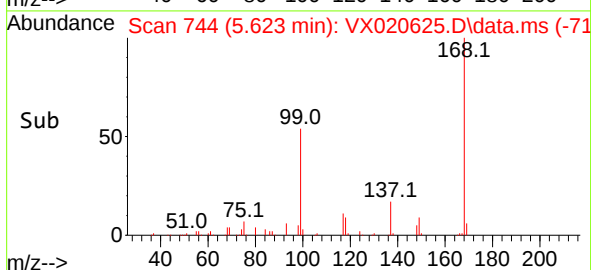
Tgt Ion: 75 Resp: 13598  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.4#  
77 0.0 25.3 37.9#

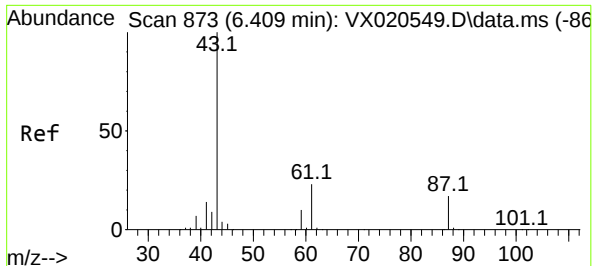


#38  
Carbon Tetrachloride  
Concen: 5.66 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.128 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03



Tgt Ion: 117 Resp: 18937  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.2 114.2#  
121 0.0 24.8 37.2#

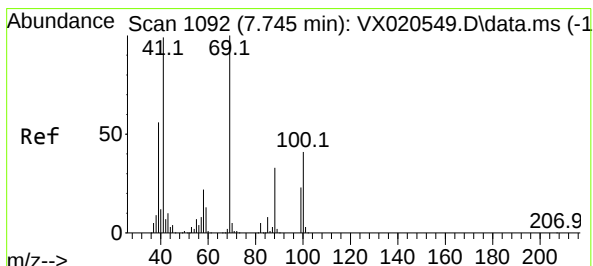
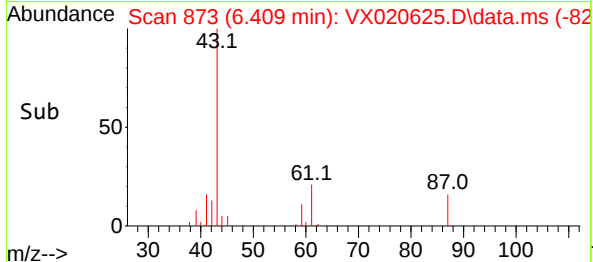
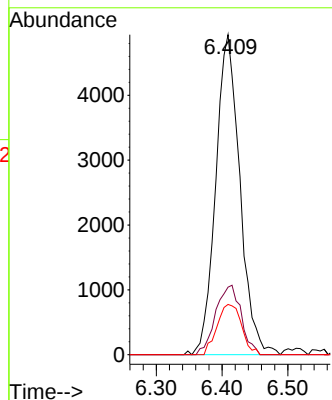
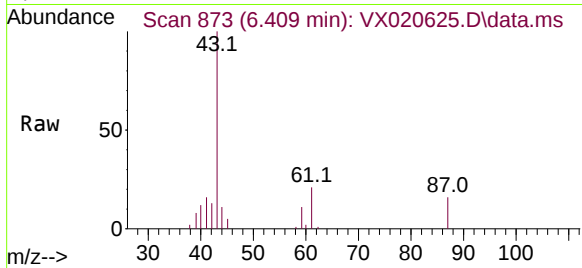




#43  
Isopropyl Acetate  
Concen: 3.13 ug/l  
RT: 6.409 min Scan# 873  
Delta R.T. 0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

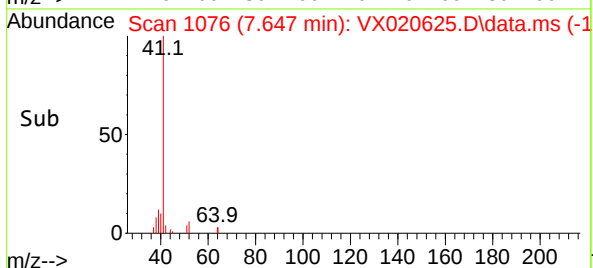
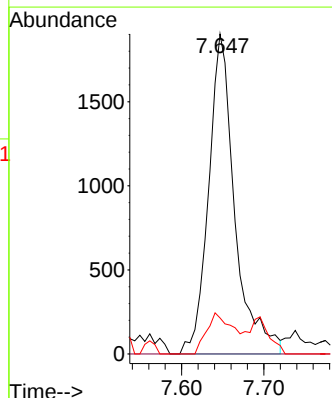
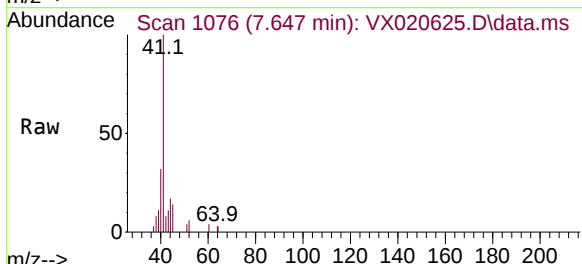
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

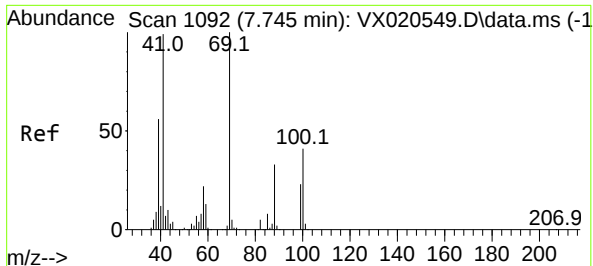
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 12630    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 22.8 18.2 27.4 |
| 87          | 15.9 12.5 18.7 |



#48  
Methyl methacrylate  
Concen: 2.15 ug/l  
RT: 7.647 min Scan# 1076  
Delta R.T. -0.098 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 4222      |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 69          | 0.0 76.0 114.0# |
| 39          | 0.0 44.6 67.0#  |





#49

1,4-Dioxane

Concen: 1.53 ug/l

RT: 7.836 min Scan# 1107

Delta R.T. 0.091 min

Lab File: VX020625.D

Acq: 14 Jan 2021 20:03

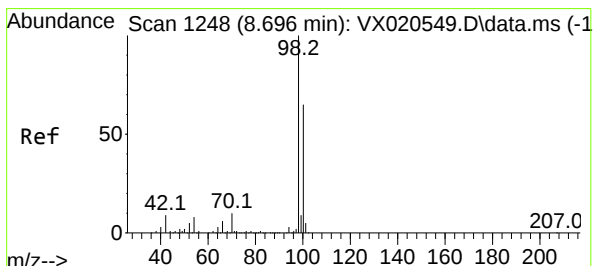
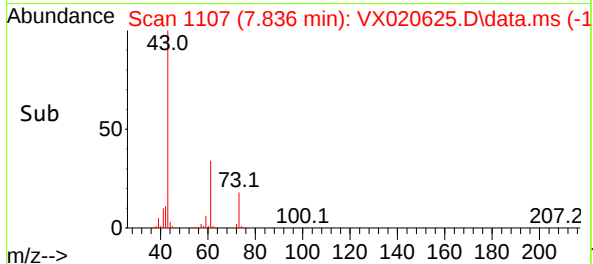
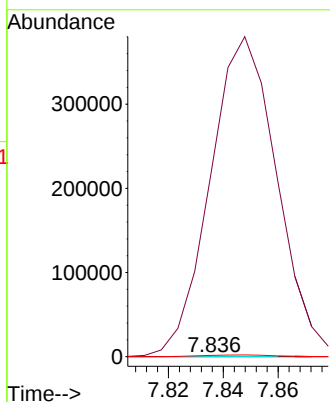
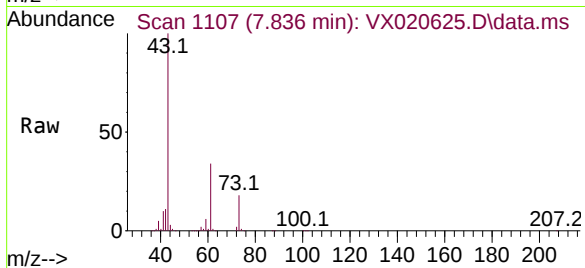
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 854211.8 23.2 34.8#

58 5073.7 55.0 82.4#



#50

Toluene-d8

Concen: 50.78 ug/l

RT: 8.695 min Scan# 1248

Delta R.T. -0.001 min

Lab File: VX020625.D

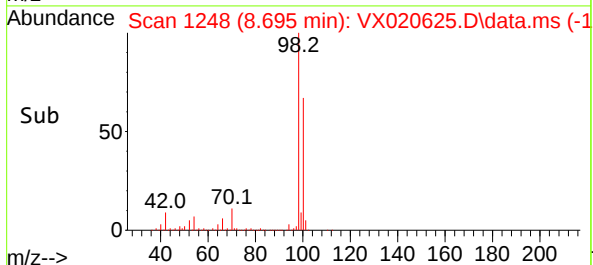
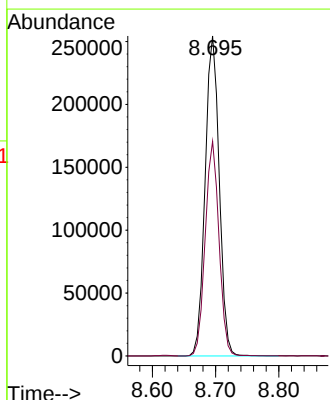
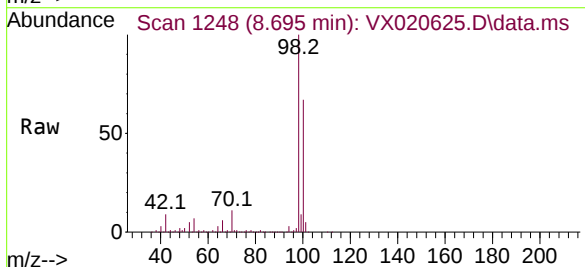
Acq: 14 Jan 2021 20:03

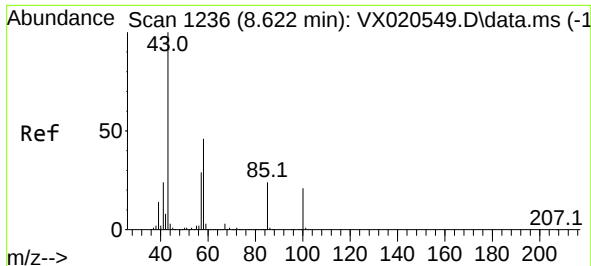
Tgt Ion: 98 Resp: 395367

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9

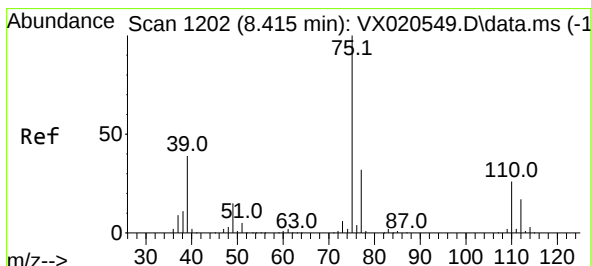
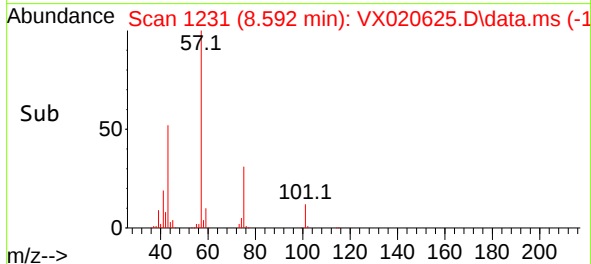
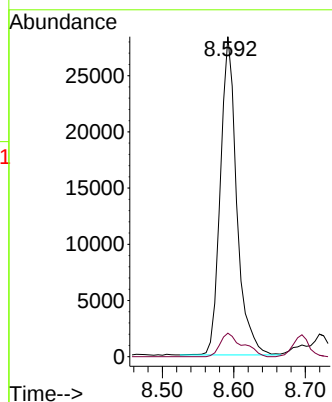
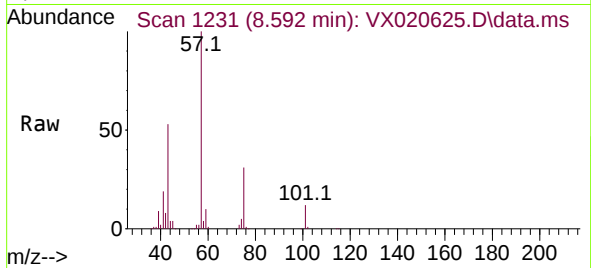




#51  
4-Methyl-2-Pentanone  
Concen: 17.96 ug/l  
RT: 8.592 min Scan# 1231  
Delta R.T. -0.030 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

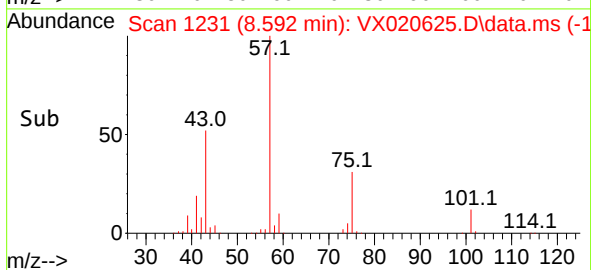
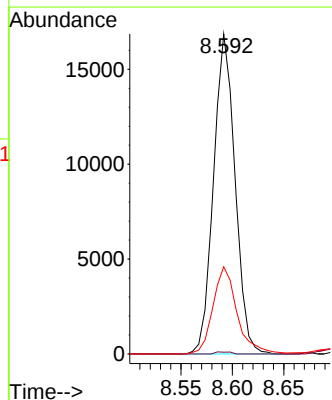
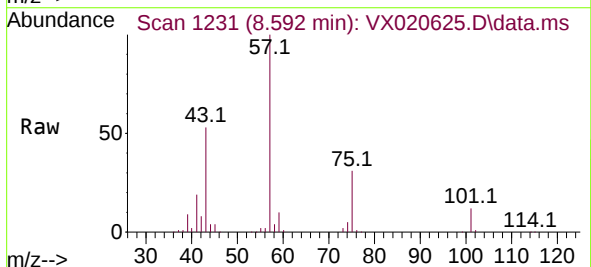
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

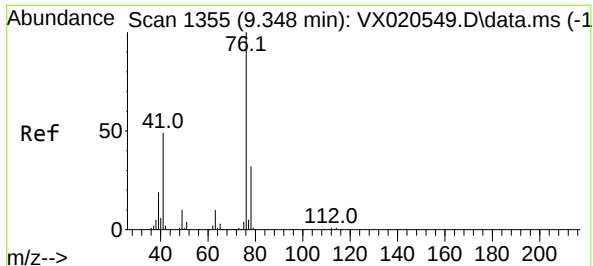
Tgt Ion: 43 Resp: 45014  
Ion Ratio Lower Upper  
43 100  
58 10.1 35.4 53.0#



#54  
cis-1,3-Dichloropropene  
Concen: 6.85 ug/l  
RT: 8.592 min Scan# 1231  
Delta R.T. 0.177 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 75 Resp: 24479  
Ion Ratio Lower Upper  
75 100  
77 0.5 25.7 38.5#  
39 27.3 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 3.57 ug/l

RT: 9.524 min Scan# 1384

Delta R.T. 0.176 min

Lab File: VX020625.D

Acq: 14 Jan 2021 20:03

Tgt Ion: 76 Resp: 13454

Ion Ratio Lower Upper

76 100

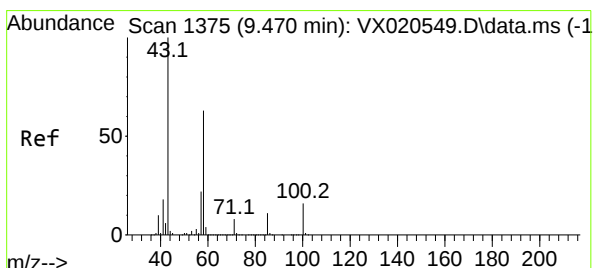
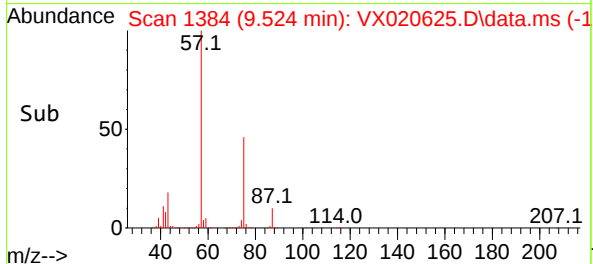
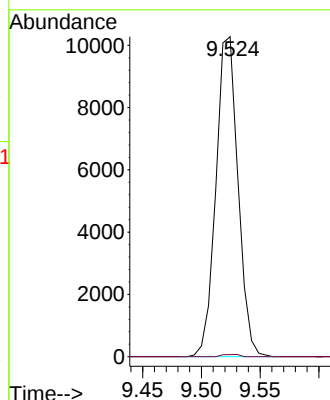
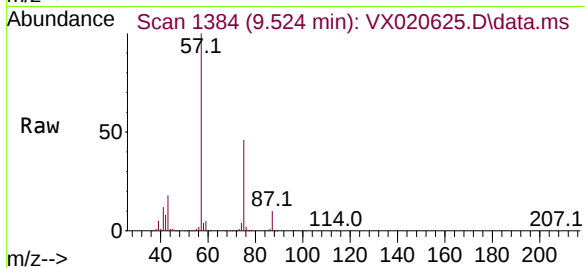
78 0.6 26.2 39.2#

Instrument :

MSVOA\_X

ClientSampleId :

ETGI-358



#59

2-Hexanone

Concen: 80.23 ug/l

RT: 9.524 min Scan# 1384

Delta R.T. 0.054 min

Lab File: VX020625.D

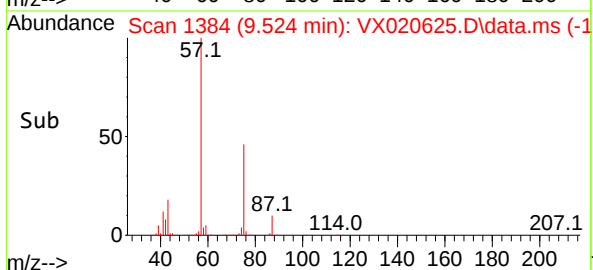
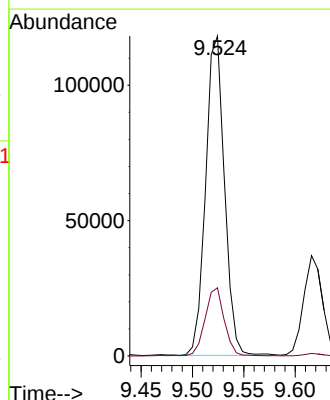
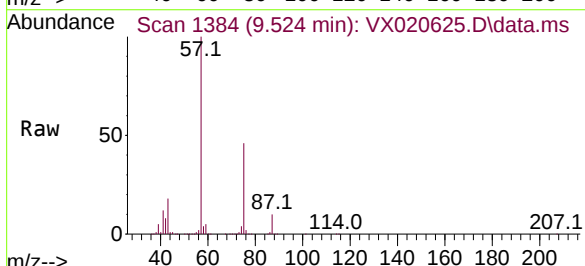
Acq: 14 Jan 2021 20:03

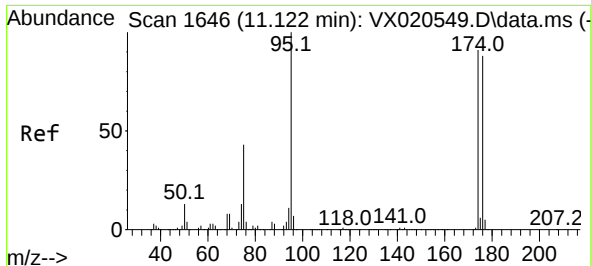
Tgt Ion: 43 Resp: 150728

Ion Ratio Lower Upper

43 100

58 21.5 30.9 92.8#

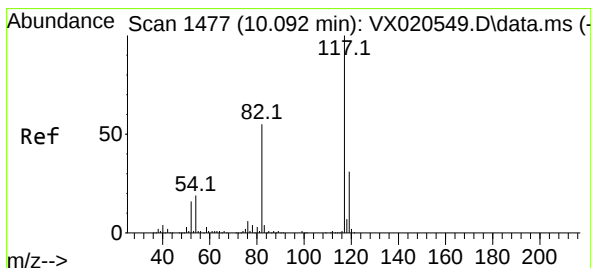
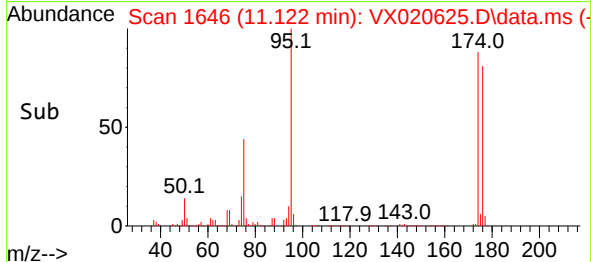
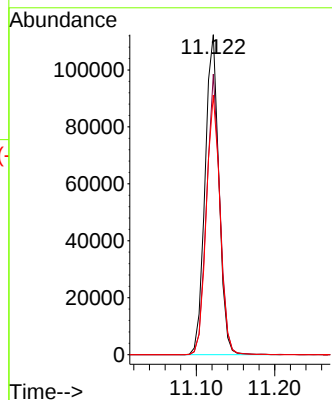
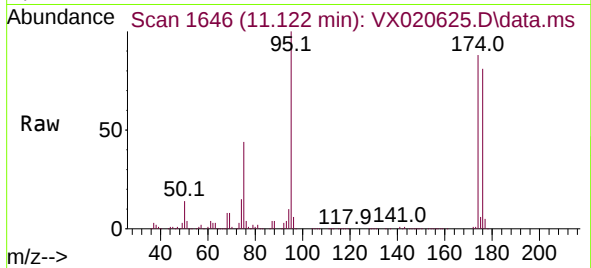




#62  
4-Bromofluorobenzene  
Concen: 50.18 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

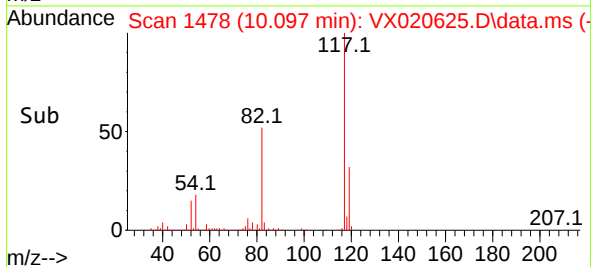
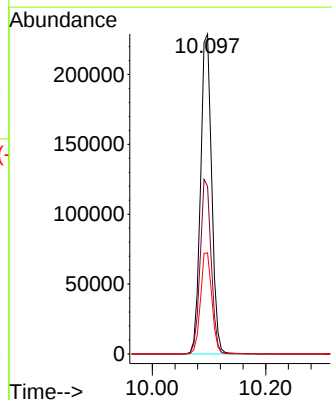
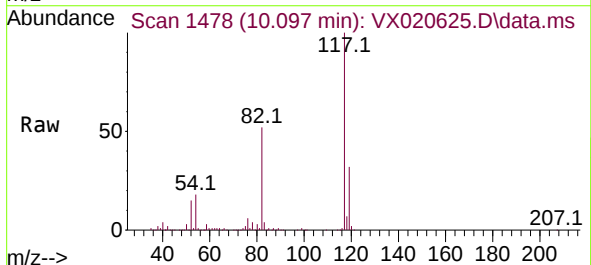
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

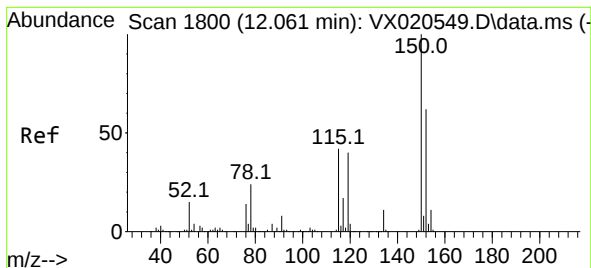
Tgt Ion: 95 Resp: 137957  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 154.6  
176 80.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.097 min Scan# 1478  
Delta R.T. 0.005 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 117 Resp: 311295  
Ion Ratio Lower Upper  
117 100  
82 52.4 47.4 71.2  
119 31.6 26.6 39.8

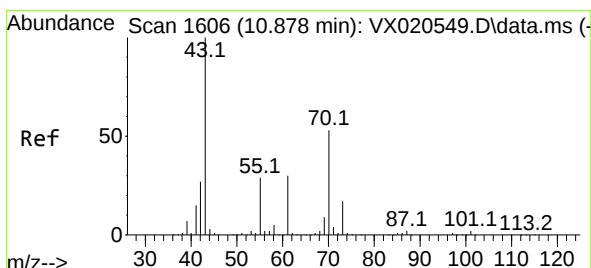
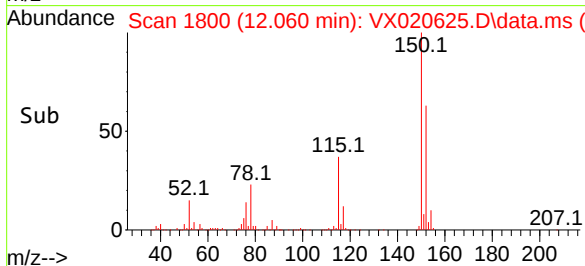
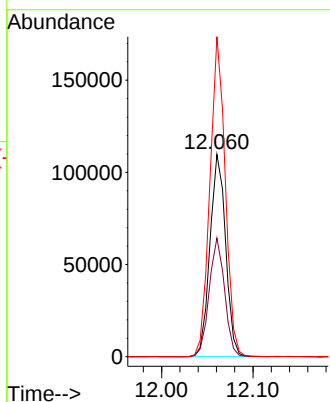
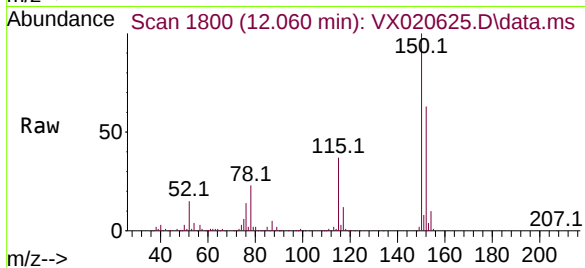




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.060 min Scan# 1800  
Delta R.T. -0.001 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

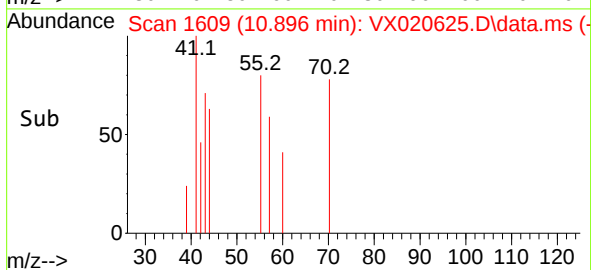
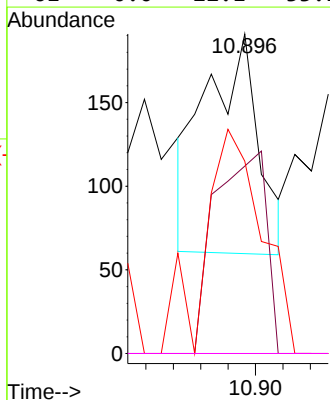
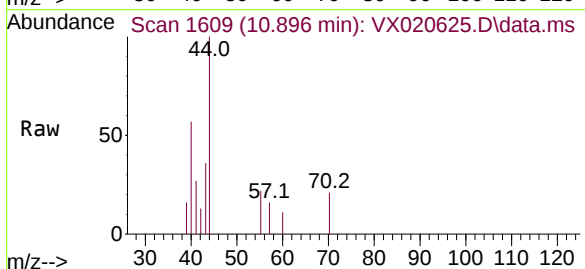
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

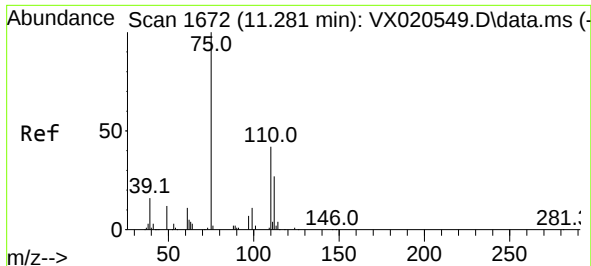
Tgt Ion:152 Resp: 130613  
Ion Ratio Lower Upper  
152 100  
115 57.6 41.1 123.3  
150 154.6 0.0 349.0



#74  
N-ethyl acetate  
Concen: 1.29 ug/l  
RT: 10.896 min Scan# 1609  
Delta R.T. 0.018 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 43 Resp: 177  
Ion Ratio Lower Upper  
43 100  
70 89.3 39.0 58.6#  
55 110.7 21.5 32.3#  
61 0.0 22.1 33.1#

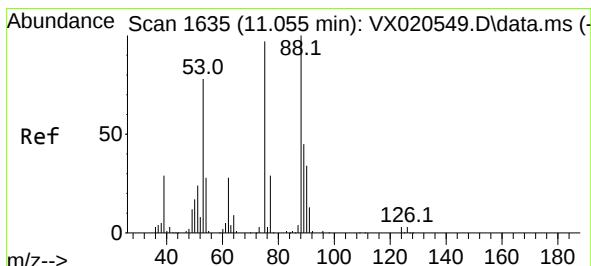
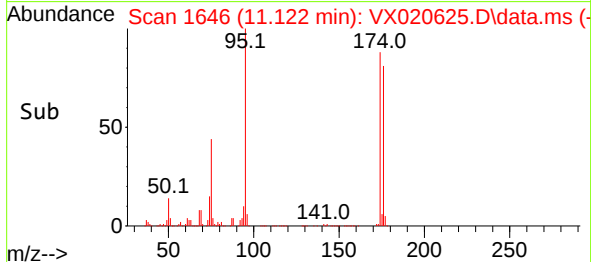
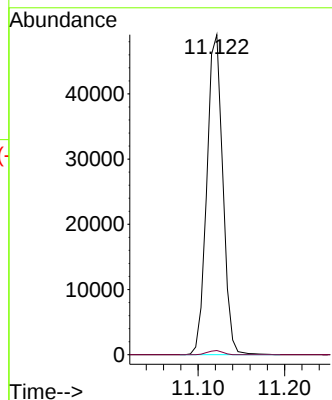
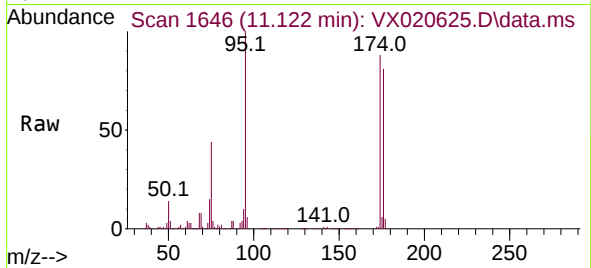




#76  
1,2,3-Trichloropropane  
Concen: 22.82 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.159 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

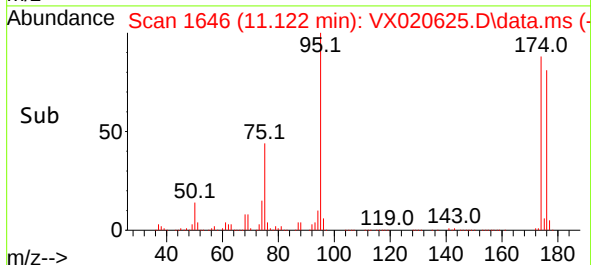
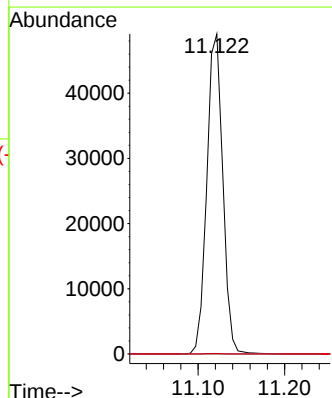
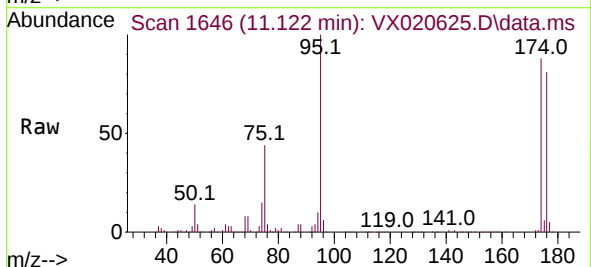
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

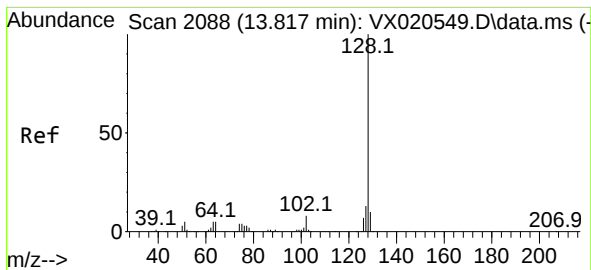
Tgt Ion: 75 Resp: 62799  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.18 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. 0.067 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Tgt Ion: 75 Resp: 62799  
Ion Ratio Lower Upper  
75 100  
53 0.2 74.5 111.7#  
89 0.0 37.9 56.9#





#95  
Naphthalene  
Concen: 3.87 ug/l  
RT: 13.816 min Scan# 2088  
Delta R.T. -0.001 min  
Lab File: VX020625.D  
Acq: 14 Jan 2021 20:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-358

Tgt Ion:128 Resp: 222  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

