

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071322\  
 Data File : VY009557.D  
 Acq On : 13 Jul 2022 14:37  
 Operator : KP/MD  
 Sample : N3687-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-361

Quant Time: Jul 14 02:44:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 08 11:00:56 2022  
 Response via : Initial Calibration

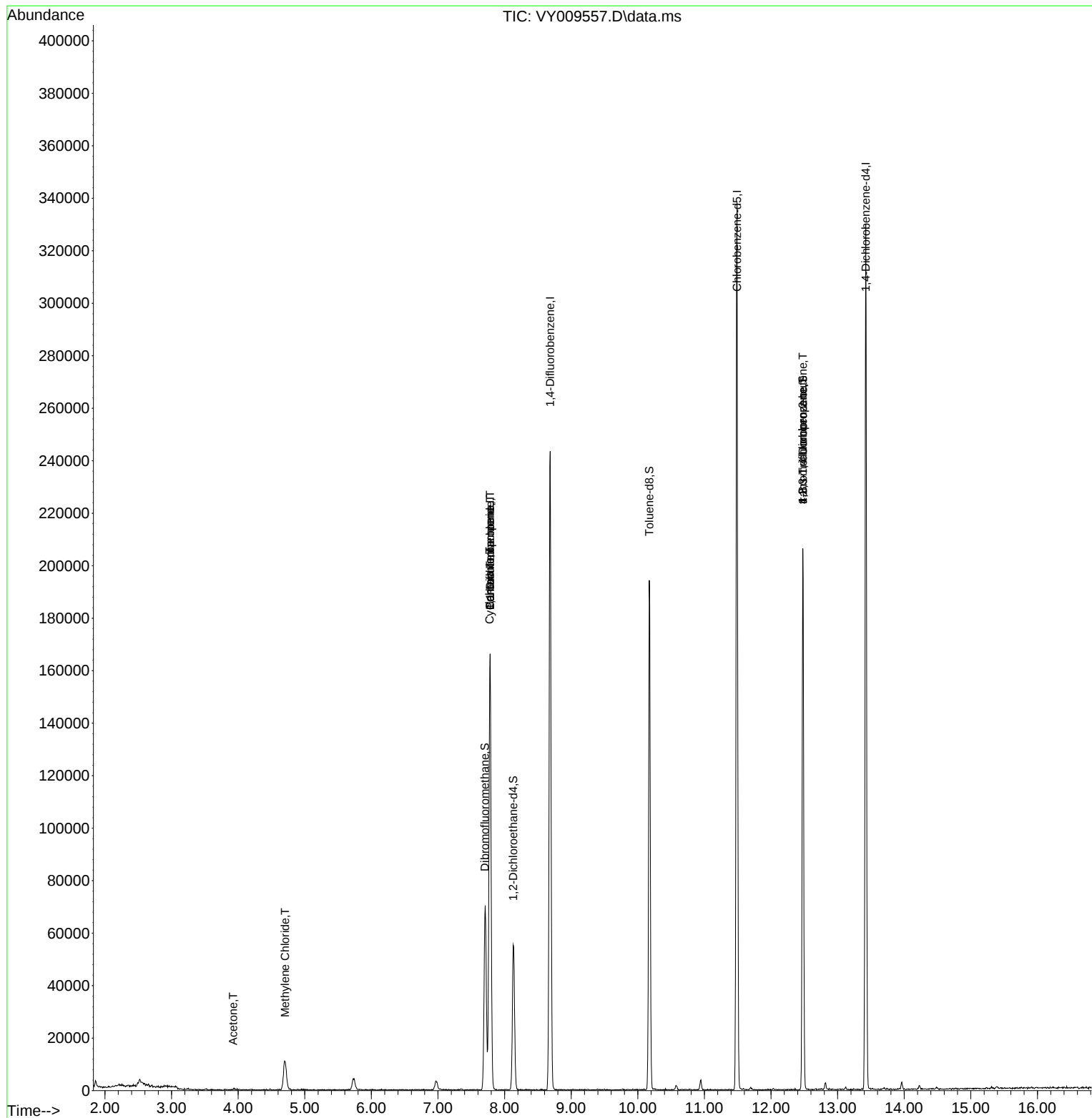
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 130636   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 207122   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 181621   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 85209    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.130  | 65    | 43568    | 46.950    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 93.900%  |
| 35) Dibromofluoromethane      | 7.703  | 113   | 48193    | 44.221    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 88.440%  |
| 50) Toluene-d8                | 10.172 | 98    | 126180   | 40.722    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 125 | Recovery  | =      | 81.440%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 58704    | 38.160    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 146 | Recovery  | =      | 76.320%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.954  | 59    | 43       | Below Cal | #      | 77       |
| 16) Acetone                   | 3.923  | 43    | 355      | 1.117     | ug/l # | 47       |
| 20) Methylene Chloride        | 4.704  | 84    | 8845     | 1.272     | ug/l # | 84       |
| 23) Vinyl Acetate             | 6.069  | 43    | 27       | Below Cal | #      | 75       |
| 31) Cyclohexane               | 7.776  | 56    | 3020     | 1.409     | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 9371     | 5.282     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 12675    | 6.680     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 31465    | 34.884    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 31465    | 71.394    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

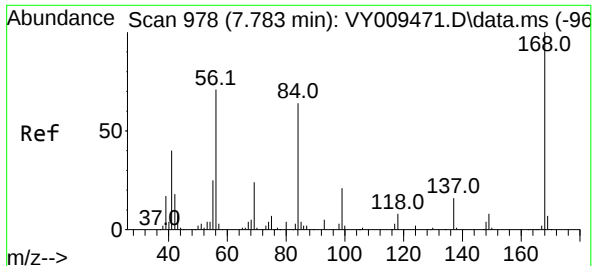
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3687-01  
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QLast Update : Fri Jul 08 11:00:56 2022  
Response via : Initial Calibration

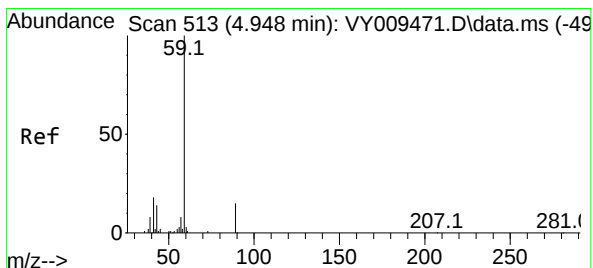
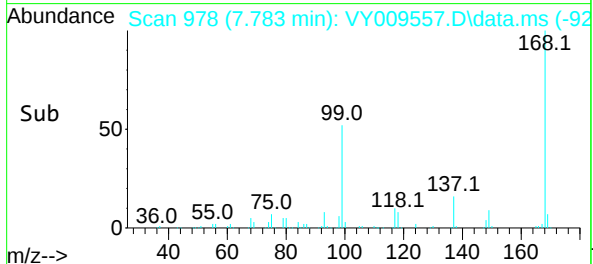
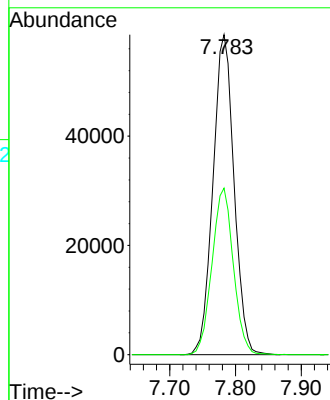
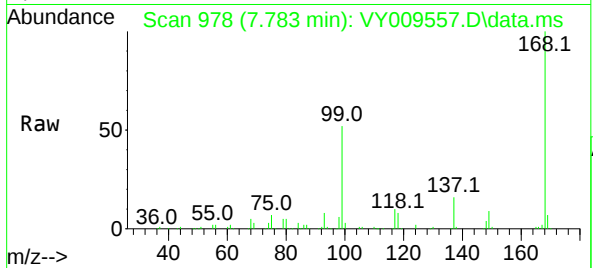




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

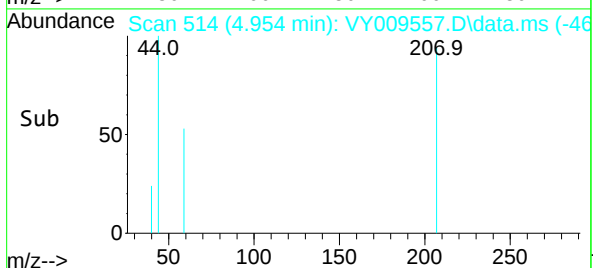
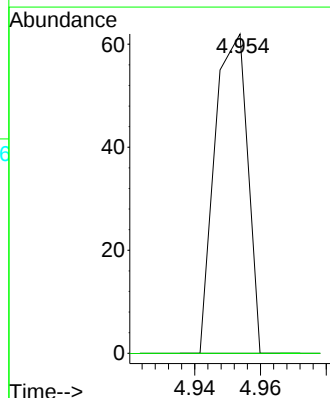
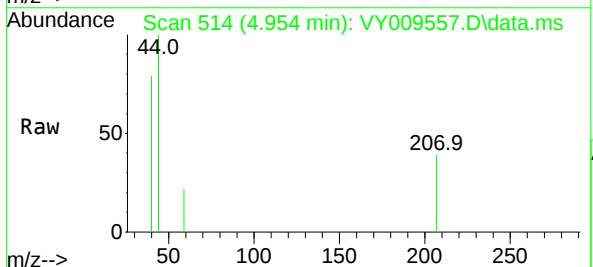
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-361

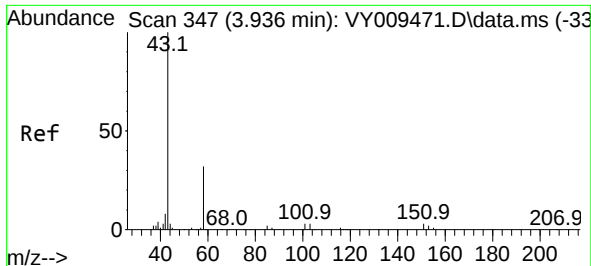
Tgt Ion:168 Resp: 130636  
Ion Ratio Lower Upper  
168 100  
99 52.1 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

Tgt Ion: 59 Resp: 43  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

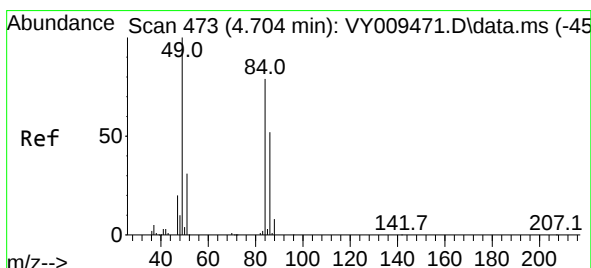
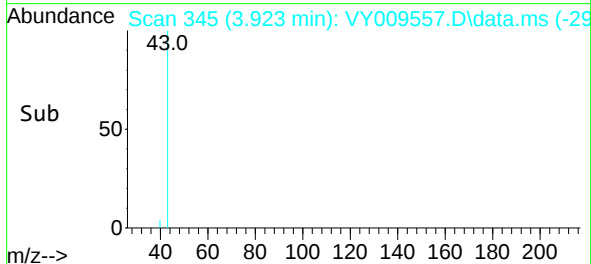
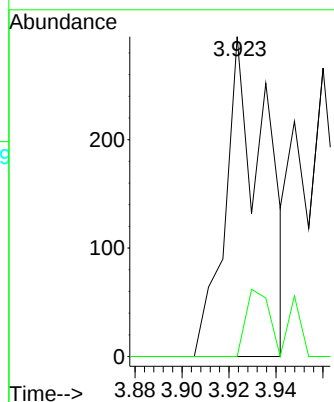
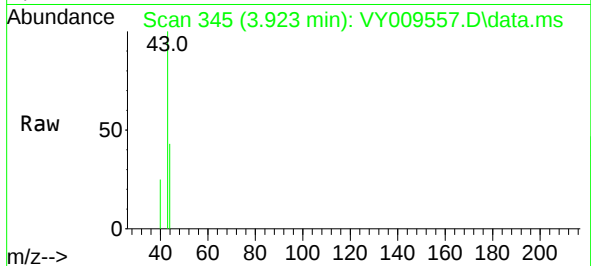




#16  
Acetone  
Concen: 1.117 ug/l  
RT: 3.923 min Scan# 347  
Delta R.T. -0.013 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

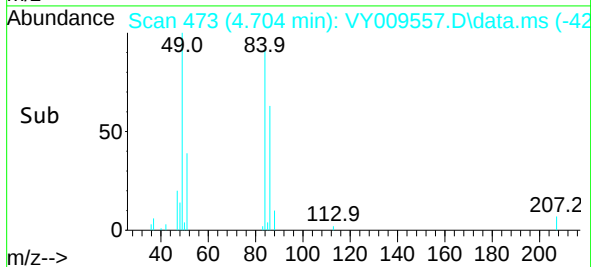
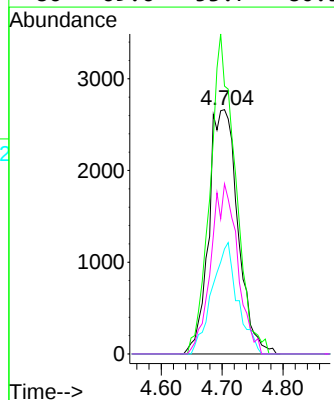
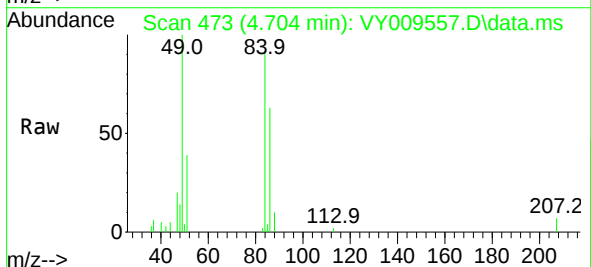
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-361

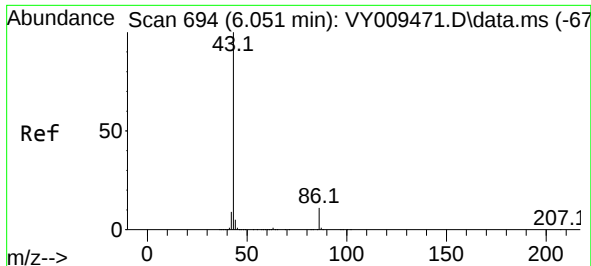
Tgt Ion: 43 Resp: 355  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#20  
Methylene Chloride  
Concen: 1.272 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. -0.000 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

Tgt Ion: 84 Resp: 8845  
Ion Ratio Lower Upper  
84 100  
49 109.6 114.4 171.6#  
51 43.0 35.3 52.9  
86 69.6 53.7 80.5

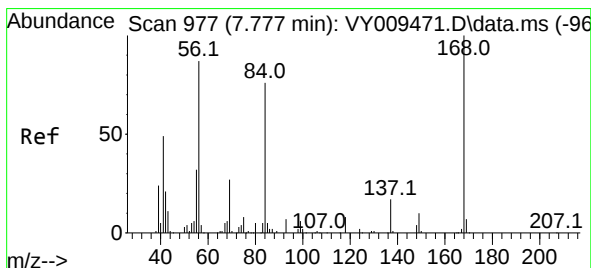
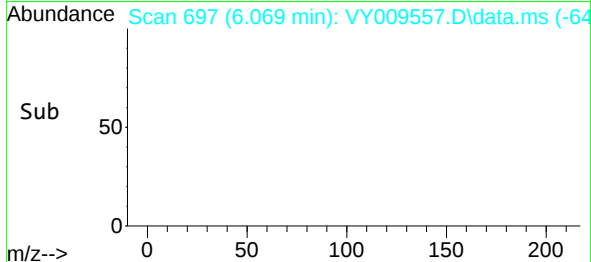
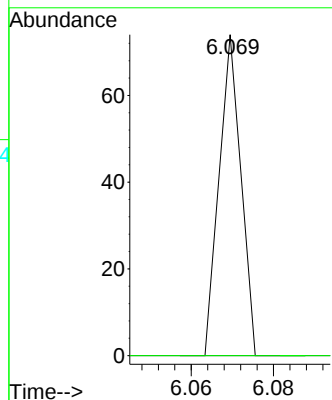
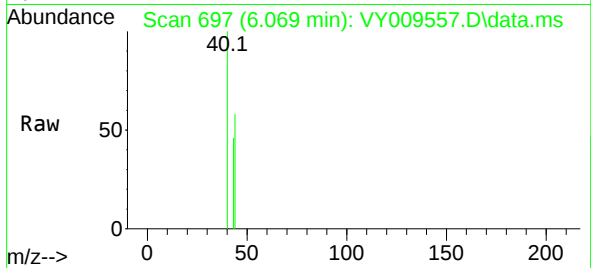




#23  
 Vinyl Acetate  
 Concen: Below Cal  
 RT: 6.069 min Scan# 694  
 Delta R.T. 0.018 min  
 Lab File: VY009557.D  
 Acq: 13 Jul 2022 14:37

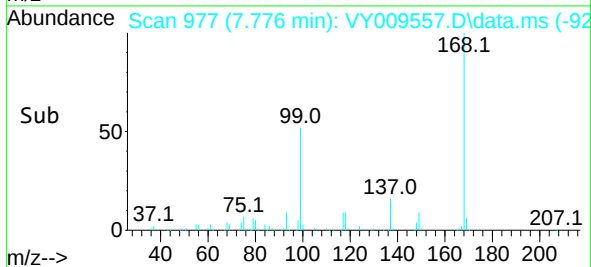
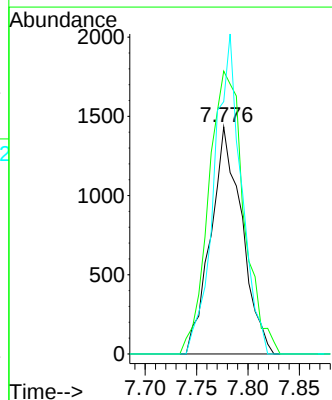
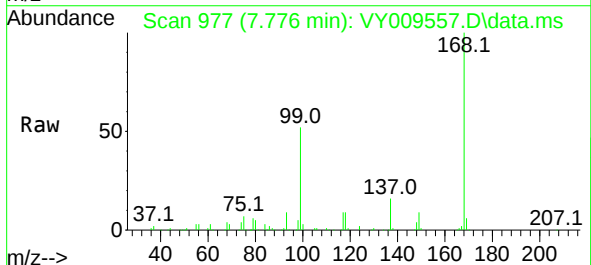
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-361

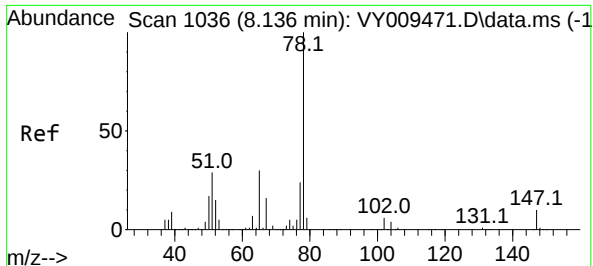
Tgt Ion: 43 Resp: 27  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.1 10.7#



#31  
 Cyclohexane  
 Concen: 1.409 ug/l  
 RT: 7.776 min Scan# 977  
 Delta R.T. -0.001 min  
 Lab File: VY009557.D  
 Acq: 13 Jul 2022 14:37

Tgt Ion: 56 Resp: 3020  
 Ion Ratio Lower Upper  
 56 100  
 69 124.6 26.7 40.1#  
 84 111.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.950 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY009557.D

Acq: 13 Jul 2022 14:37

Instrument :

MSVOA\_Y

ClientSampleId :

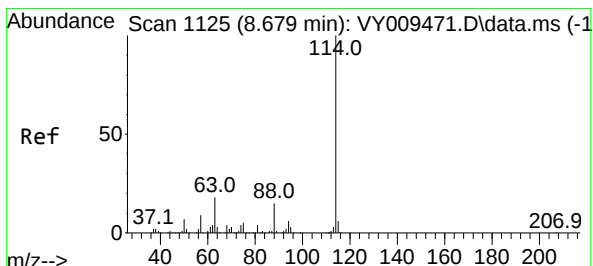
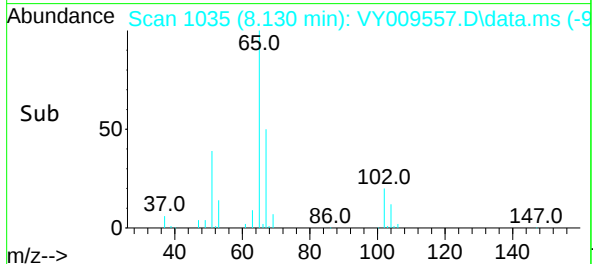
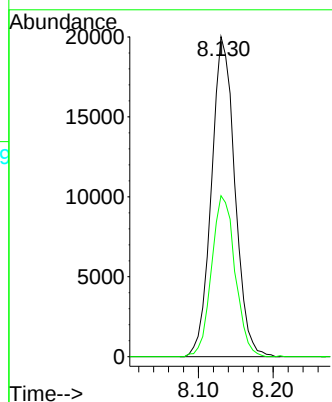
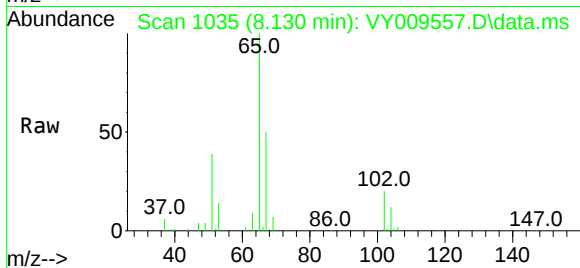
ETGI-361

Tgt Ion: 65 Resp: 43568

Ion Ratio Lower Upper

65 100

67 50.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009557.D

Acq: 13 Jul 2022 14:37

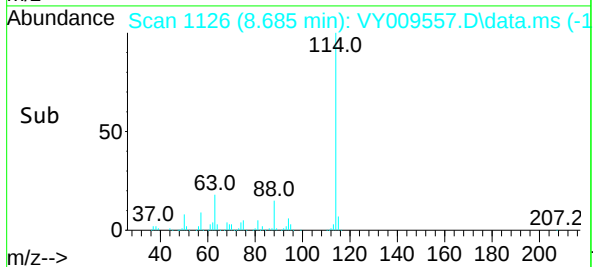
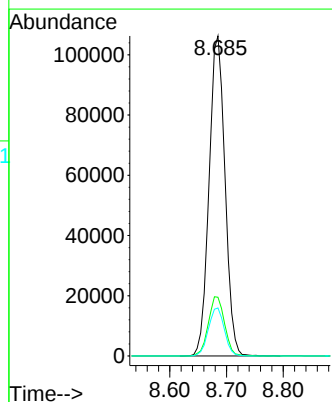
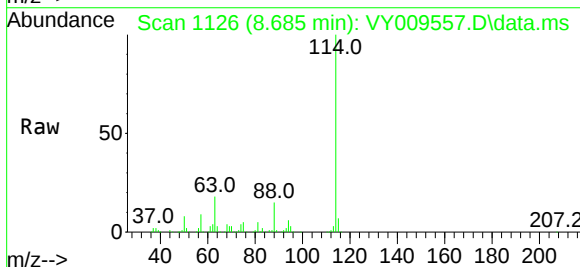
Tgt Ion: 114 Resp: 207122

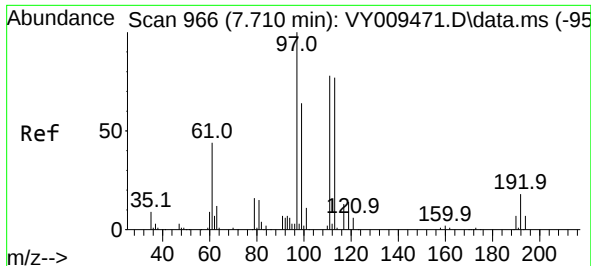
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.221 ug/l

RT: 7.703 min Scan# 9

Delta R.T. -0.007 min

Lab File: VY009557.D

Acq: 13 Jul 2022 14:37

Instrument :

MSVOA\_Y

ClientSampleId :

ETGI-361

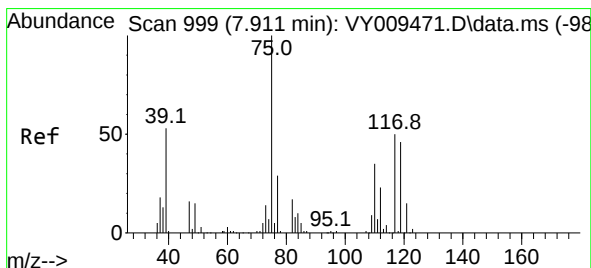
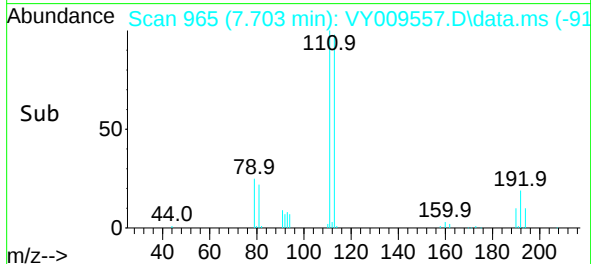
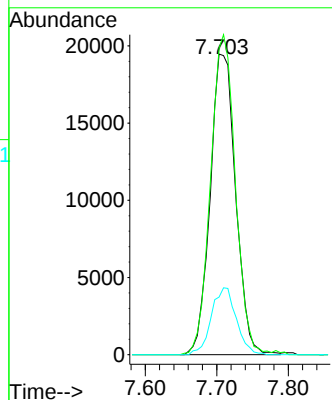
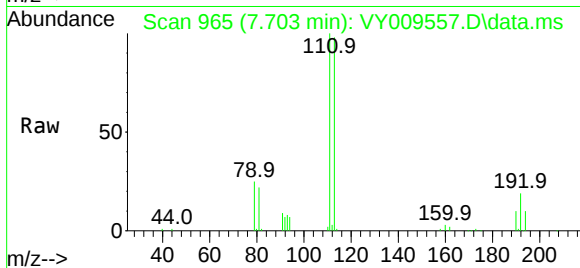
Tgt Ion:113 Resp: 48193

Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 21.8 17.6 26.4



#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY009557.D

Acq: 13 Jul 2022 14:37

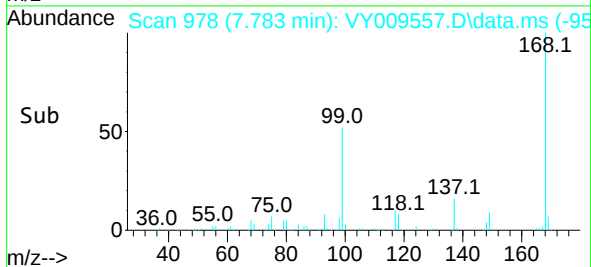
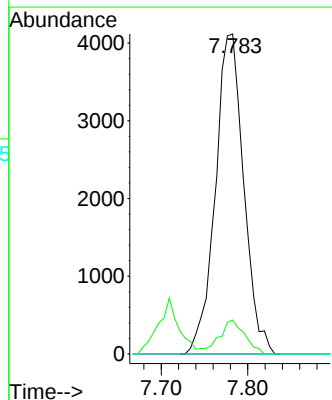
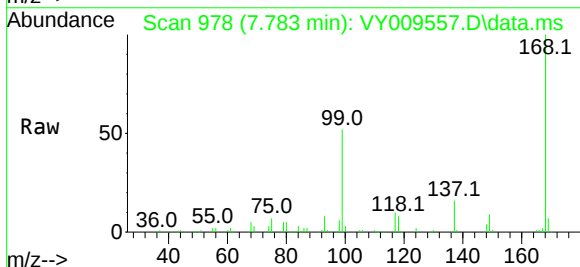
Tgt Ion: 75 Resp: 9371

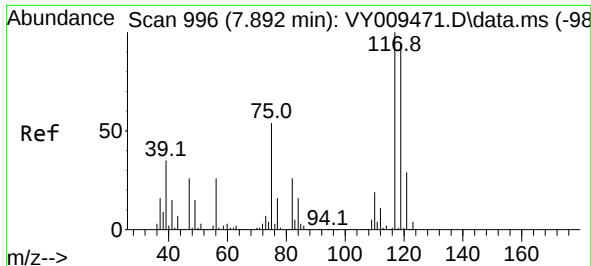
Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

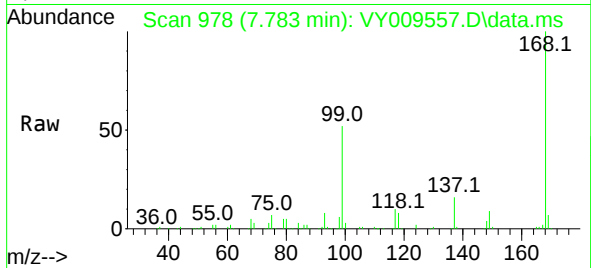
77 0.0 24.4 36.6#



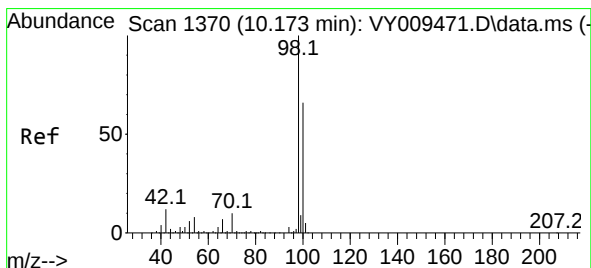
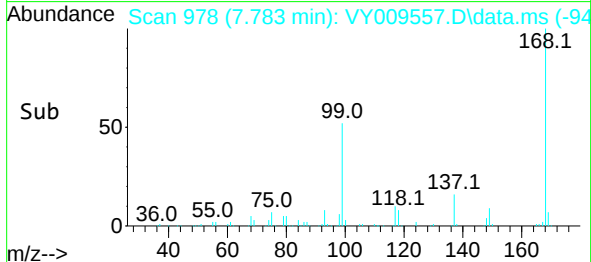
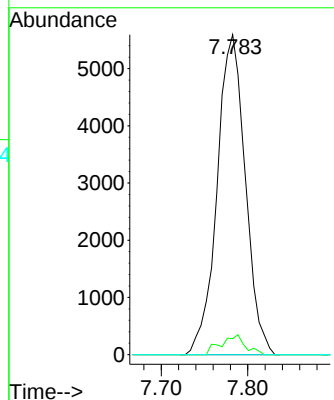


#38  
Carbon Tetrachloride  
Concen: 6.680 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

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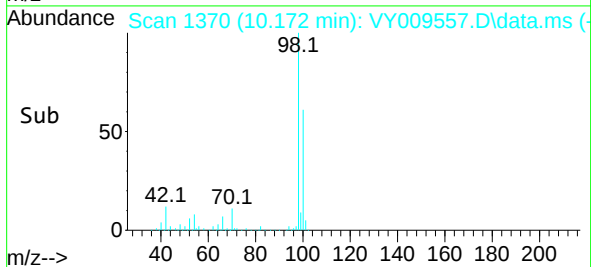
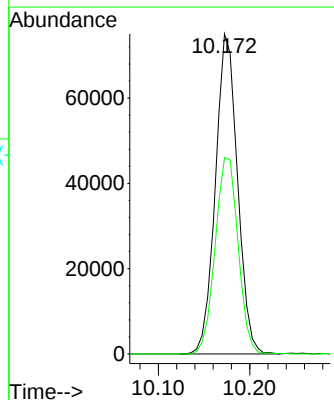
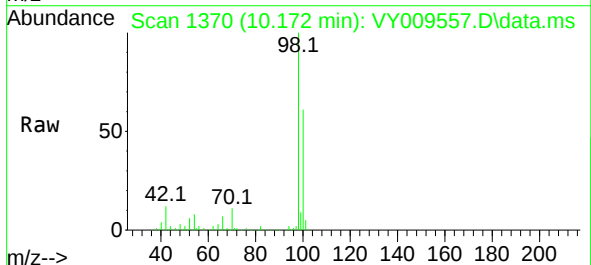


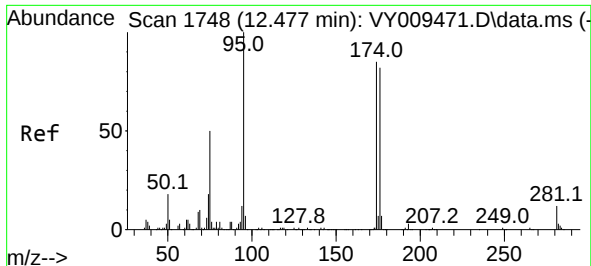
Tgt Ion:117 Resp: 12675  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 40.722 ug/l  
RT: 10.172 min Scan# 1370  
Delta R.T. -0.001 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

Tgt Ion: 98 Resp: 126180  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.2 75.2

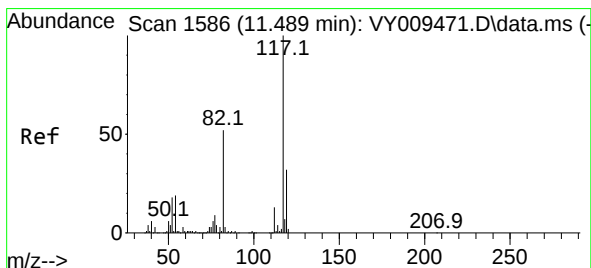
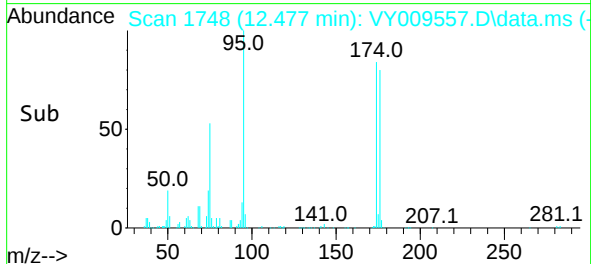
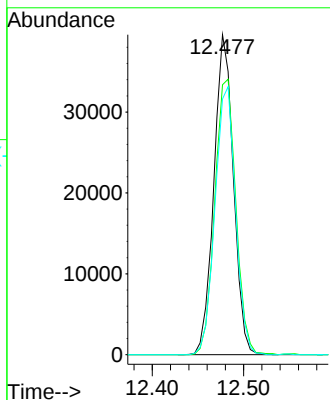
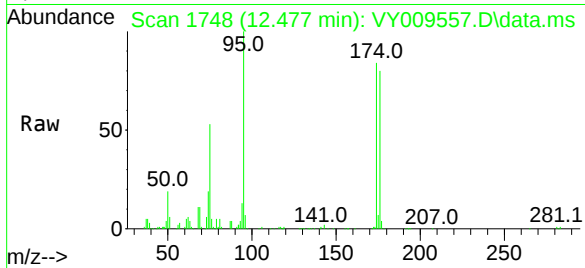




#62  
4-Bromofluorobenzene  
Concen: 38.160 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

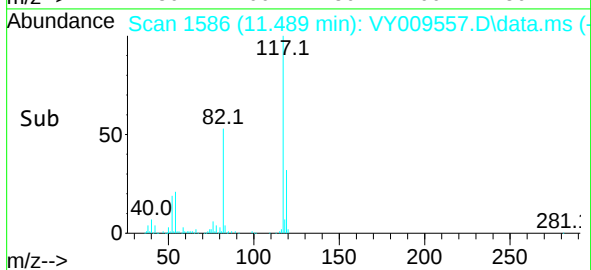
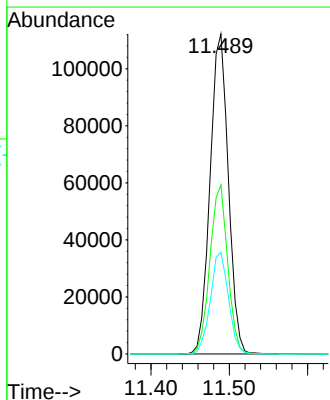
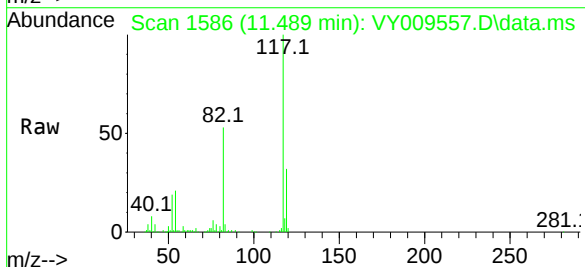
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-361

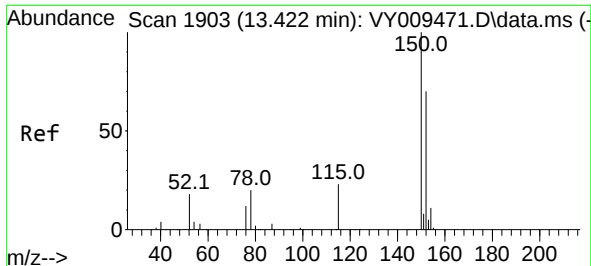
Tgt Ion: 95 Resp: 58704  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 177.0  
176 88.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

Tgt Ion: 117 Resp: 181621  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.0 64.4  
119 31.8 25.4 38.0

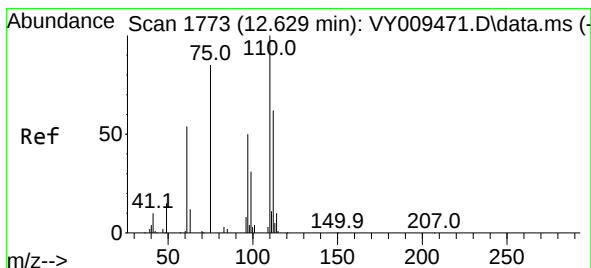
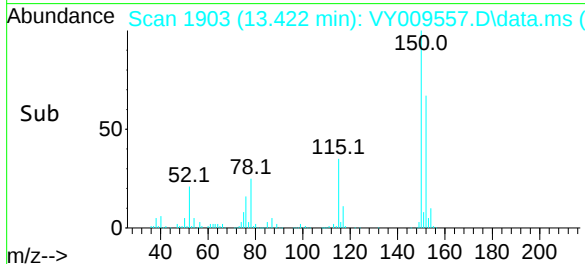
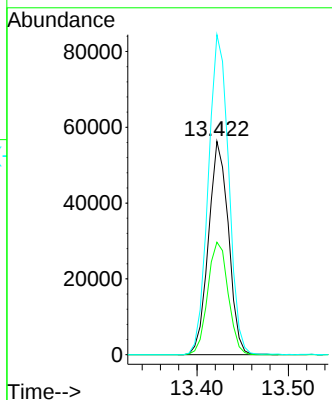
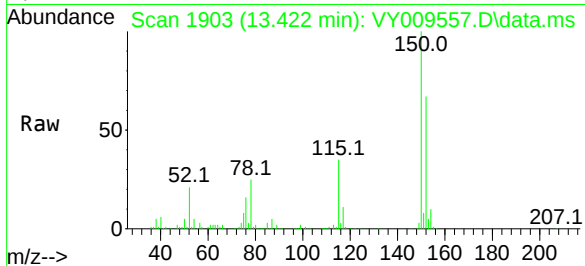




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

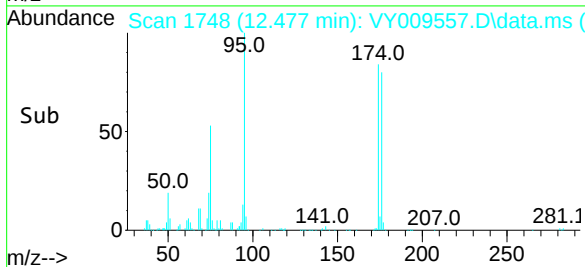
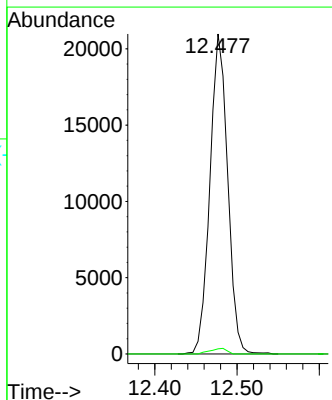
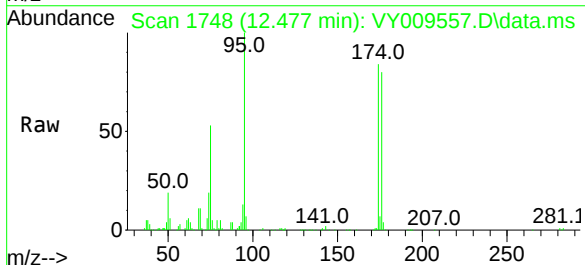
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-361

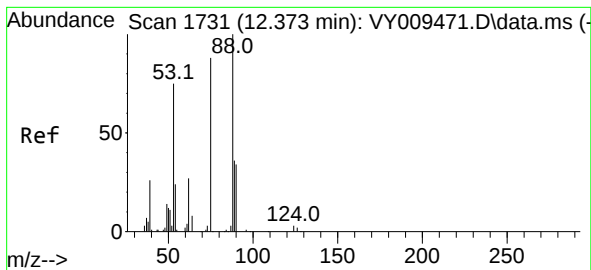
Tgt Ion:152 Resp: 85209  
Ion Ratio Lower Upper  
152 100  
115 53.9 28.2 84.7  
150 153.3 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 34.884 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009557.D  
Acq: 13 Jul 2022 14:37

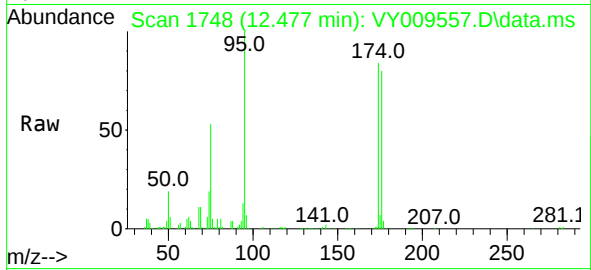
Tgt Ion: 75 Resp: 31465  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.394 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009557.D  
 Acq: 13 Jul 2022 14:37

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-361



Tgt Ion: 75 Resp: 31465  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

