

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
 Data File : VX035905.D  
 Acq On : 30 May 2023 14:50  
 Operator : JC/MD  
 Sample : 02935-01  
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ETGI-346

Quant Time: May 30 16:32:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 29 07:45:36 2023  
 Response via : Initial Calibration

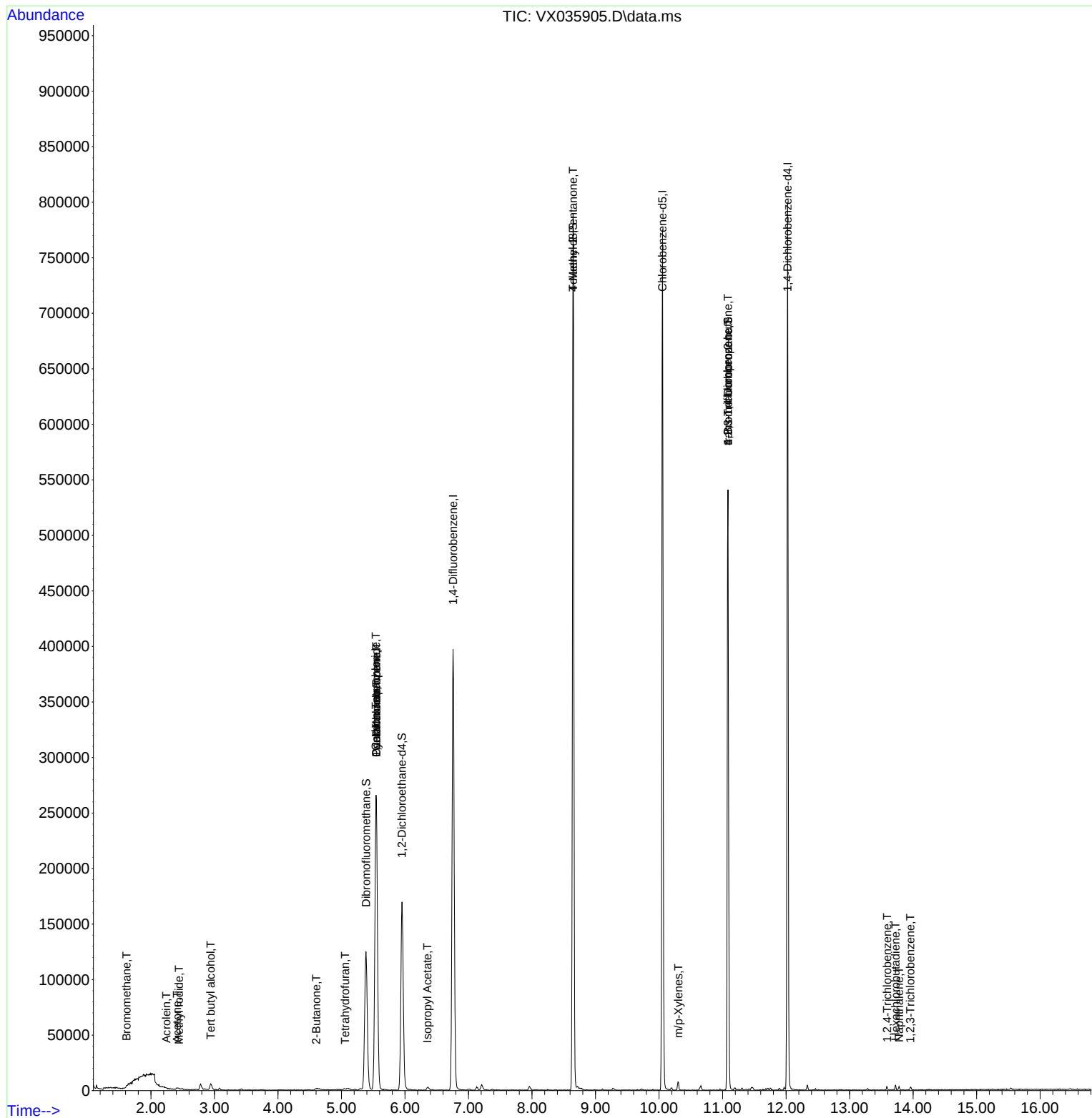
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 229298     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 382236     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 333523     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 152417     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 168427     | 41.334  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 82.660% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 108416     | 41.292  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 82.580% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 448947     | 46.591  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 93.180% |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 165170     | 43.506  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 87.020% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 5) Bromomethane               | 1.617          | 94   | 537        | 0.297   | ug/l   | 81       |
| 10) Methyl Iodide             | 2.440          | 142  | 571        | 0.210   | ug/l # | 92       |
| 11) Tert butyl alcohol        | 2.940          | 59   | 3679       | 5.185   | ug/l # | 78       |
| 13) Acrolein                  | 2.239          | 56   | 270        | 0.384   | ug/l   | 98       |
| 16) Acetone                   | 2.410          | 43   | 2451       | 1.490   | ug/l   | 94       |
| 25) 2-Butanone                | 4.605          | 43   | 3179       | 1.336   | ug/l   | 95       |
| 29) Tetrahydrofuran           | 5.056          | 42   | 1266       | 0.822   | ug/l # | 84       |
| 31) Cyclohexane               | 5.550          | 56   | 5972       | 1.234   | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 21071      | 5.285   | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 5.543          | 117  | 26645      | 7.091   | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.354          | 43   | 1415       | 0.205   | ug/l # | 62       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 2630       | 0.611   | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.305         | 106  | 1643       | 0.337   | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 90350      | 23.753  | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 90350      | 74.873  | ug/l # | 3        |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 741        | 0.240   | ug/l   | 83       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 527        | 0.425   | ug/l   | 91       |
| 95) Naphthalene               | 13.780         | 128  | 2338       | 0.218   | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.957         | 180  | 758        | 0.246   | ug/l   | 85       |
| -----                         |                |      |            |         |        |          |

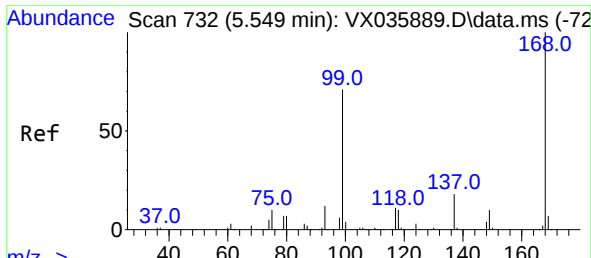
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
Data File : VX035905.D  
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Sample : 02935-01  
Misc : 5.04g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

Quant Time: May 30 16:32:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
Quant Title : SW846 8260  
QLast Update : Mon May 29 07:45:36 2023  
Response via : Initial Calibration

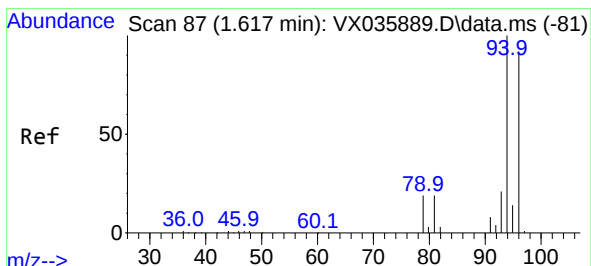
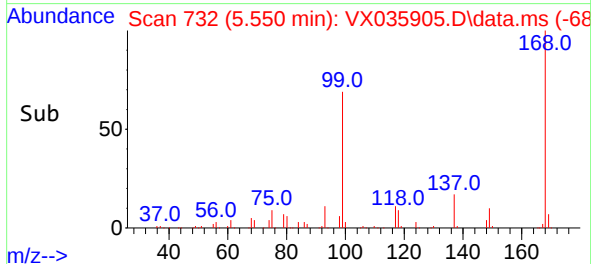
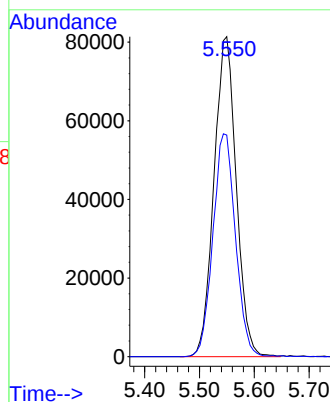
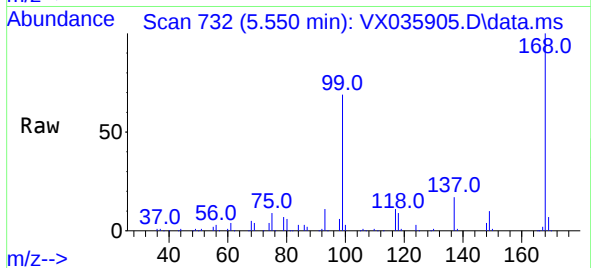




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

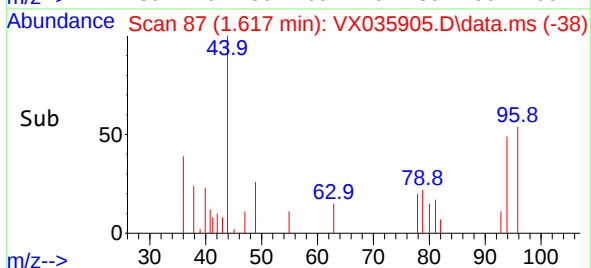
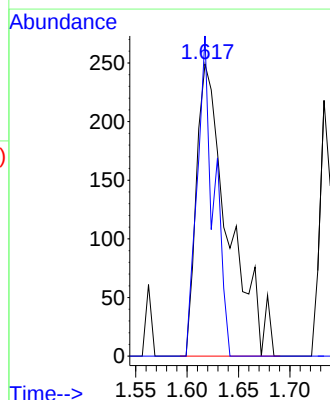
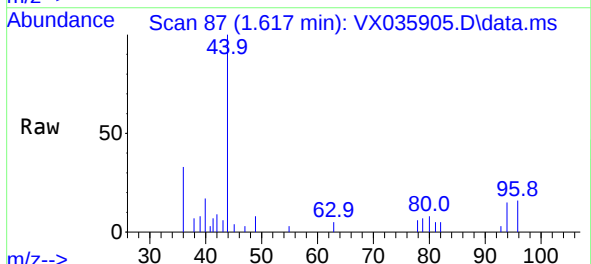
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

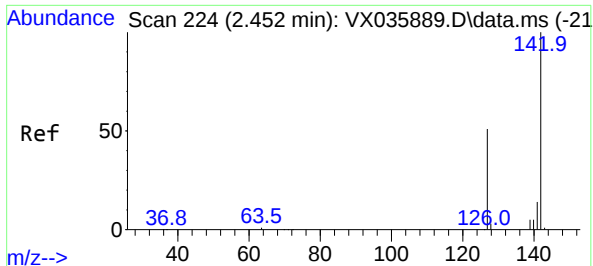
Tgt Ion:168 Resp: 229298  
Ion Ratio Lower Upper  
168 100  
99 69.3 57.0 85.6



#5  
Bromomethane  
Concen: 0.297 ug/l  
RT: 1.617 min Scan# 87  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 94 Resp: 537  
Ion Ratio Lower Upper  
94 100  
96 109.6 73.5 110.3

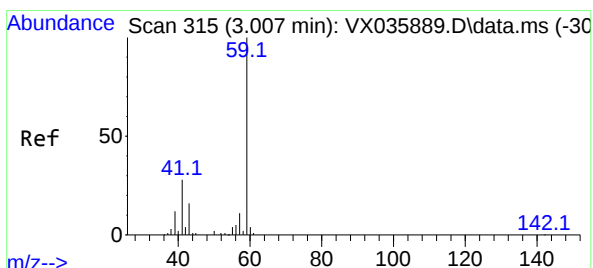
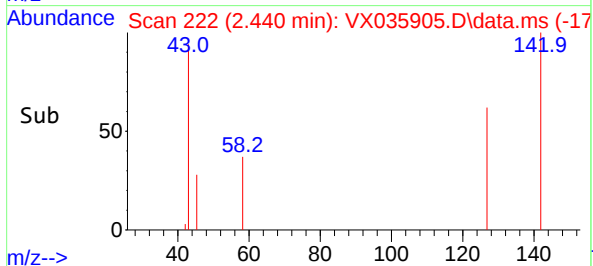
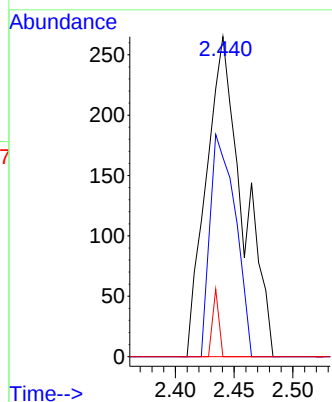
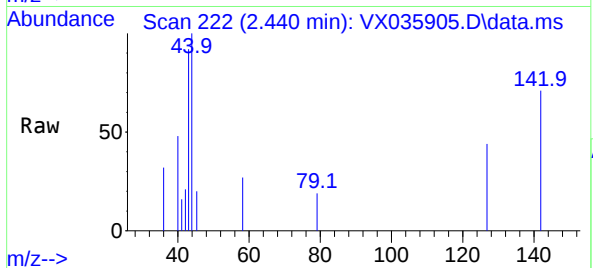




#10  
Methyl Iodide  
Concen: 0.210 ug/l  
RT: 2.440 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

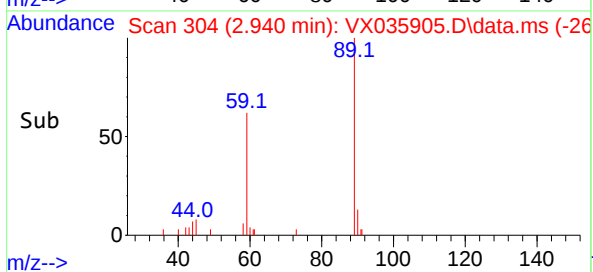
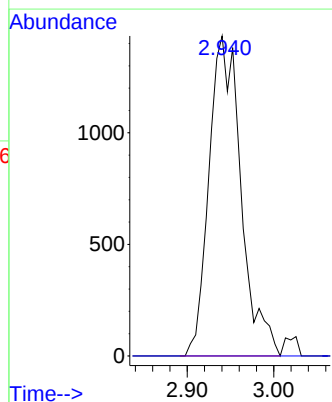
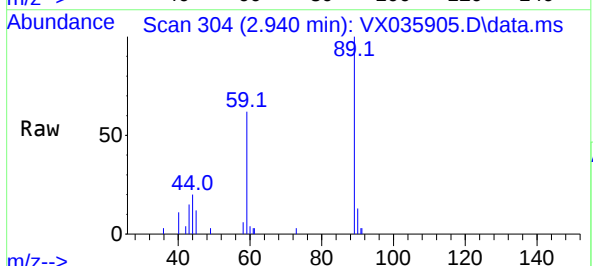
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

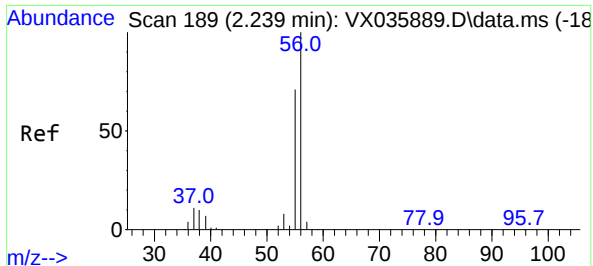
Tgt Ion:142 Resp: 571  
Ion Ratio Lower Upper  
142 100  
127 48.5 40.3 60.5  
141 3.5 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 5.185 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.067 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 59 Resp: 3679  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

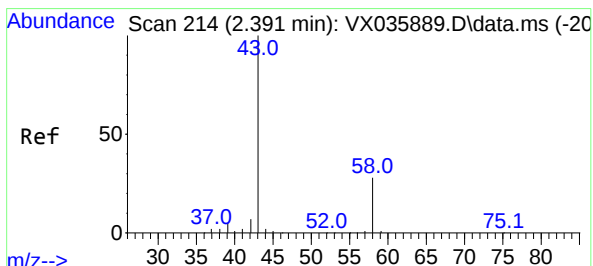
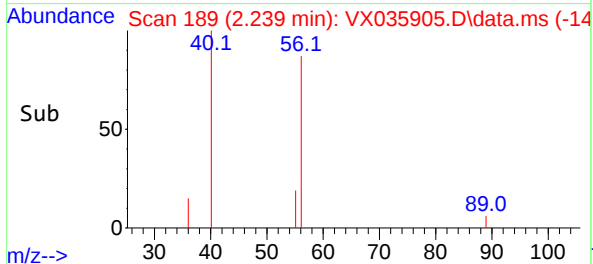
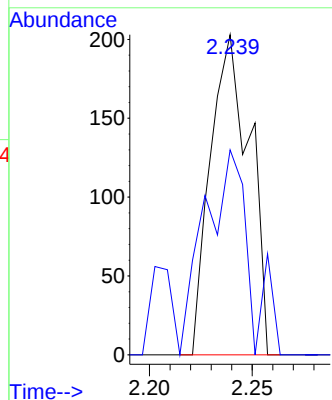
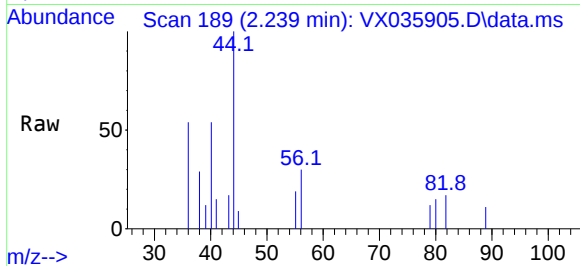




#13  
Acrolein  
Concen: 0.384 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

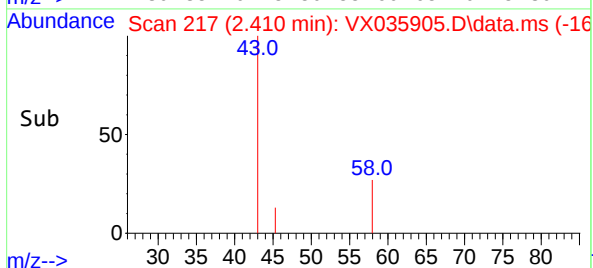
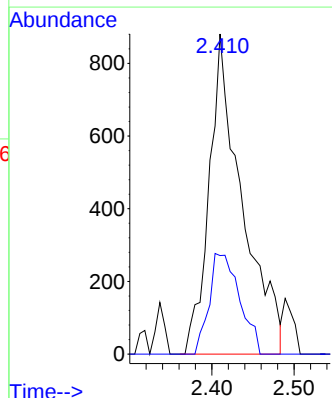
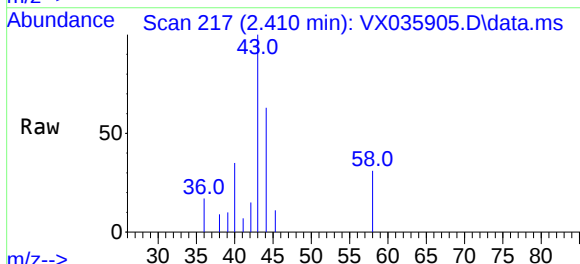
Instrument :  
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ClientSampleId :  
ETGI-346

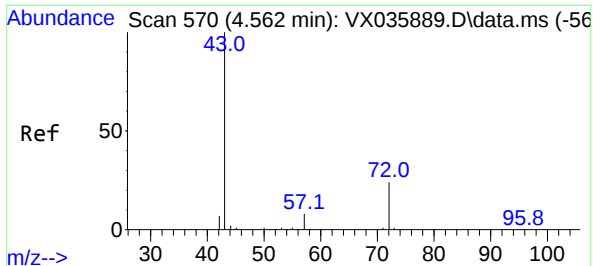
Tgt Ion: 56 Resp: 270  
Ion Ratio Lower Upper  
56 100  
55 73.0 57.3 85.9



#16  
Acetone  
Concen: 1.490 ug/l  
RT: 2.410 min Scan# 217  
Delta R.T. 0.018 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 43 Resp: 2451  
Ion Ratio Lower Upper  
43 100  
58 30.8 22.2 33.2

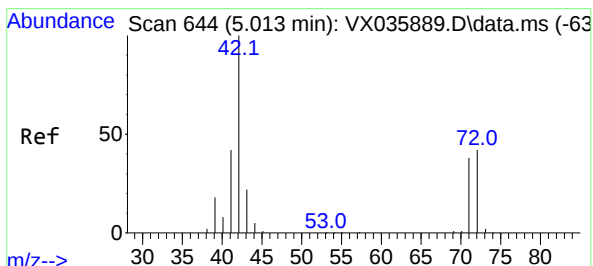
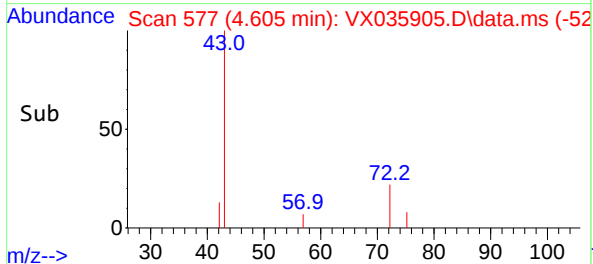
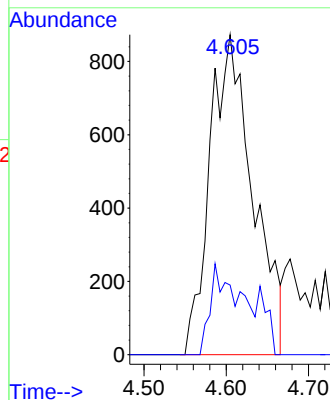
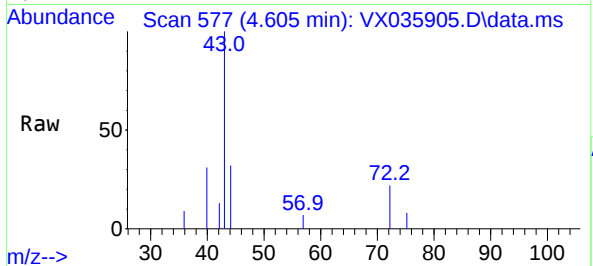




#25  
2-Butanone  
Concen: 1.336 ug/l  
RT: 4.605 min Scan# 51  
Delta R.T. 0.043 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

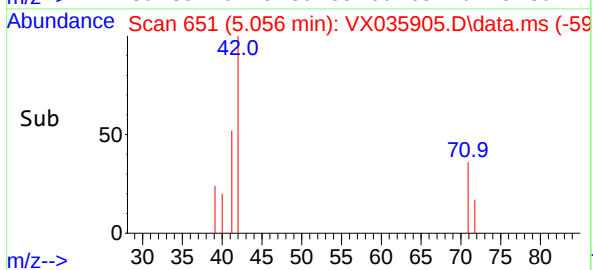
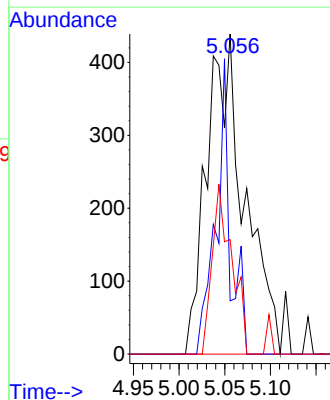
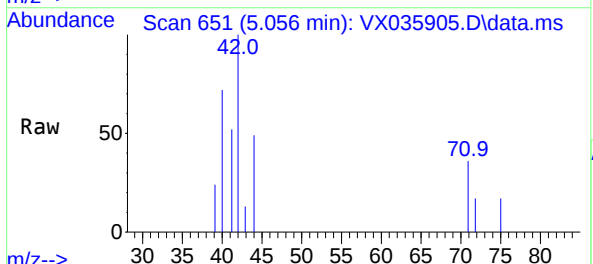
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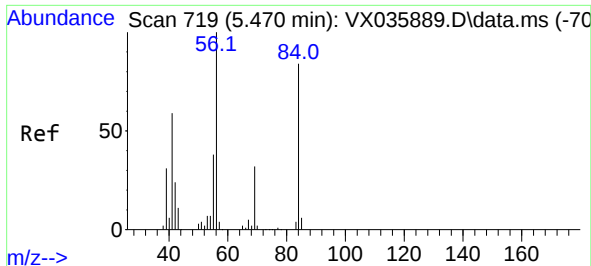
Tgt Ion: 43 Resp: 3179  
Ion Ratio Lower Upper  
43 100  
72 21.8 19.4 29.2



#29  
Tetrahydrofuran  
Concen: 0.822 ug/l  
RT: 5.056 min Scan# 651  
Delta R.T. 0.043 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 42 Resp: 1266  
Ion Ratio Lower Upper  
42 100  
72 34.4 34.2 51.2  
71 27.5 31.8 47.8#

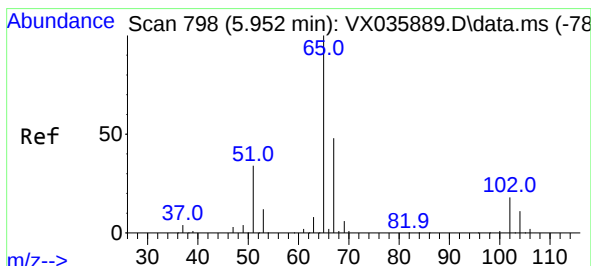
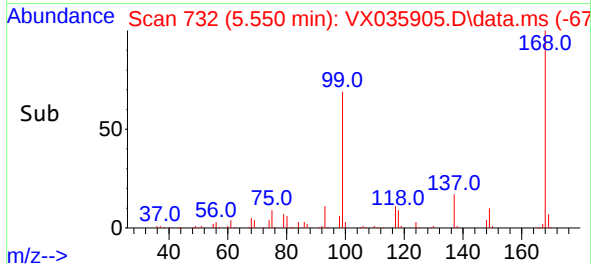
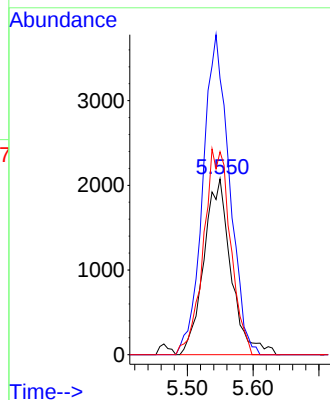
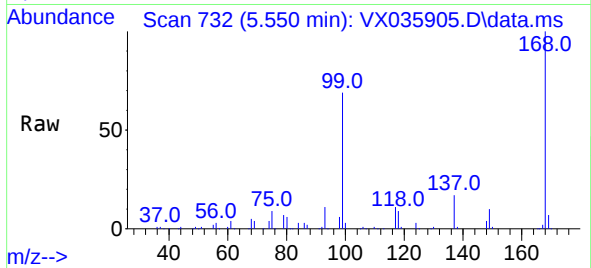




#31  
Cyclohexane  
Concen: 1.234 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

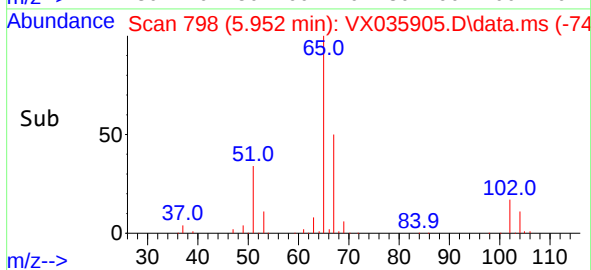
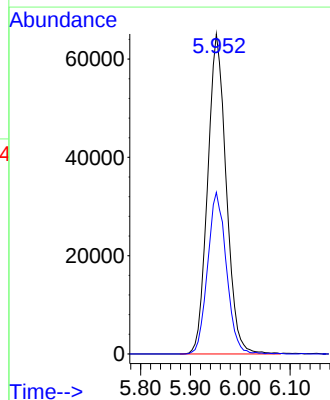
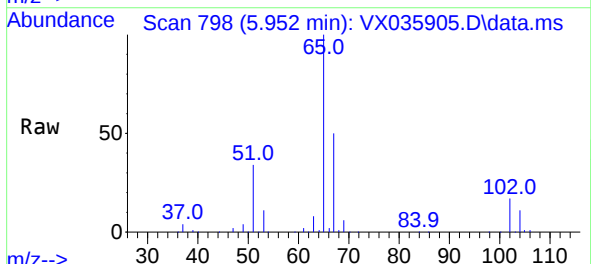
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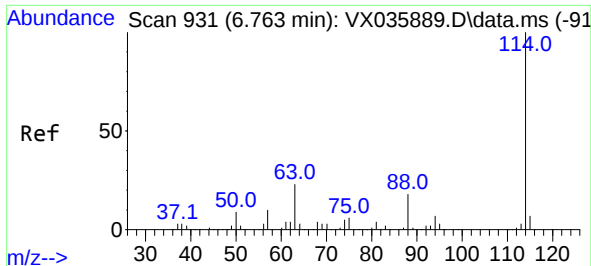
Tgt Ion: 56 Resp: 5972  
Ion Ratio Lower Upper  
56 100  
69 157.1 25.9 38.9#  
84 115.4 67.6 101.4#



#33  
1,2-Dichloroethane-d4  
Concen: 41.334 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 65 Resp: 168427  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 99.6

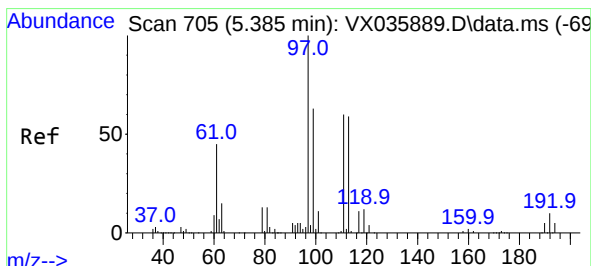
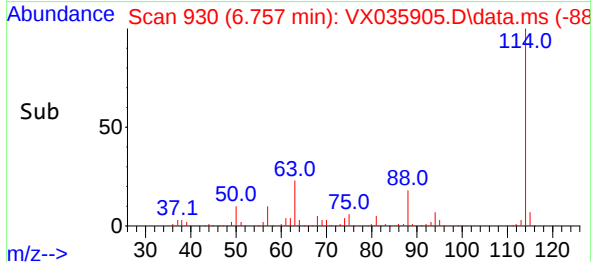
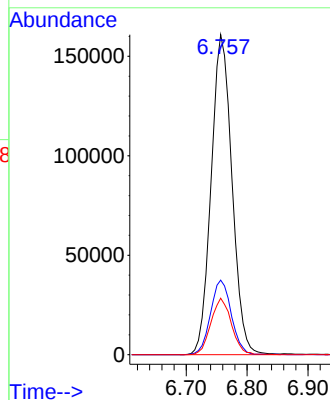
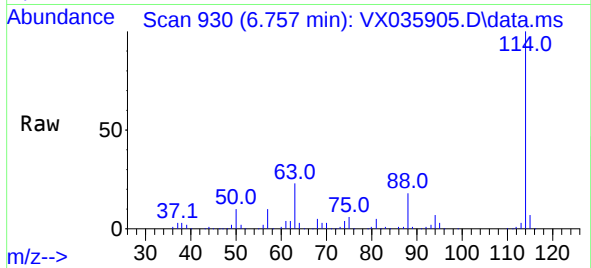




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

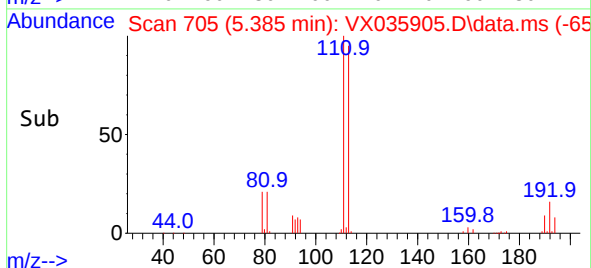
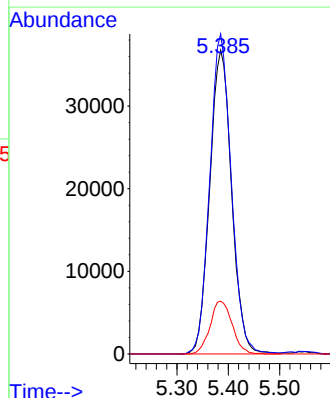
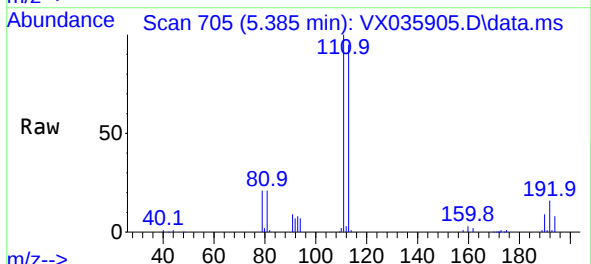
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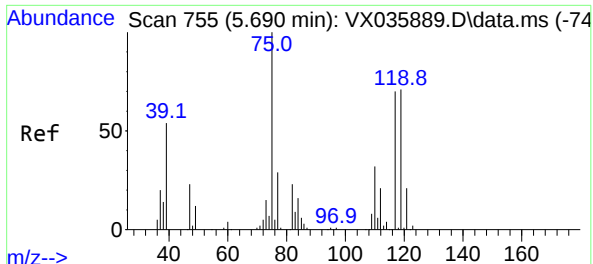
Tgt Ion:114 Resp: 382236  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 46.0  
88 17.6 0.0 35.2



#35  
Dibromofluoromethane  
Concen: 41.292 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion:113 Resp: 108416  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.7 122.5  
192 17.6 13.5 20.3

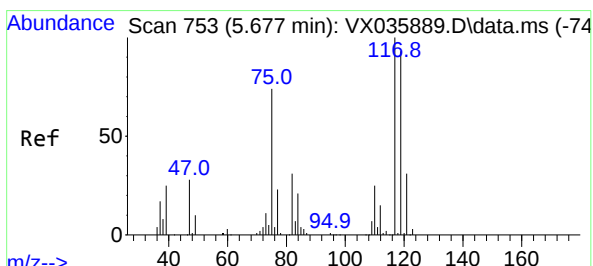
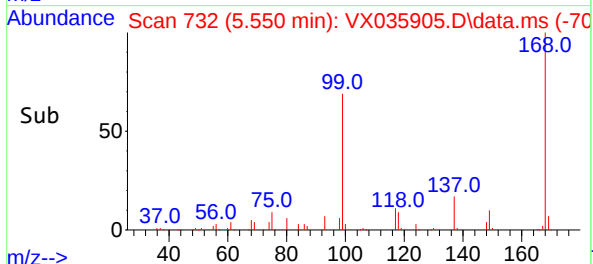
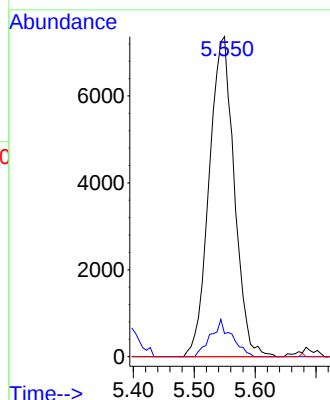
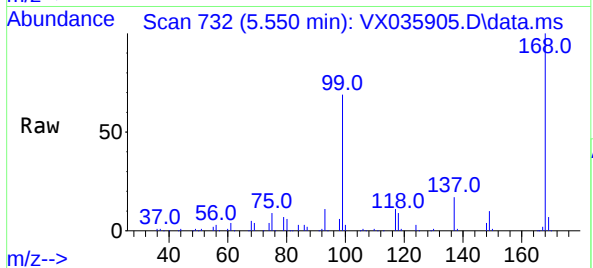




#36  
1,1-Dichloropropene  
Concen: 5.285 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

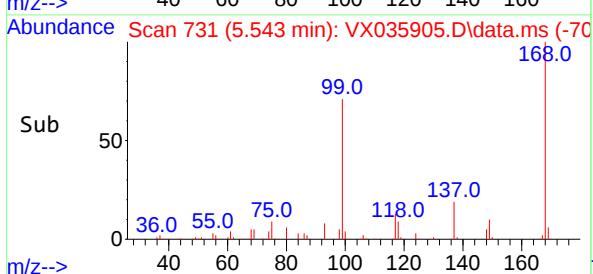
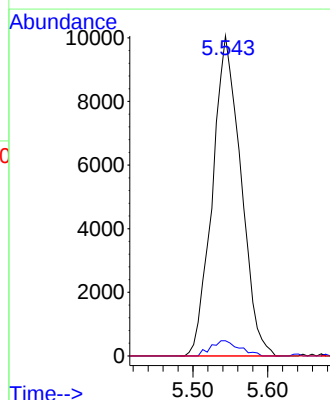
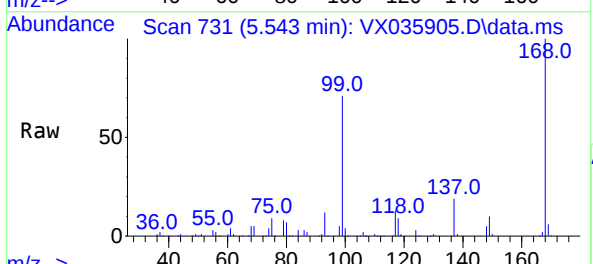
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

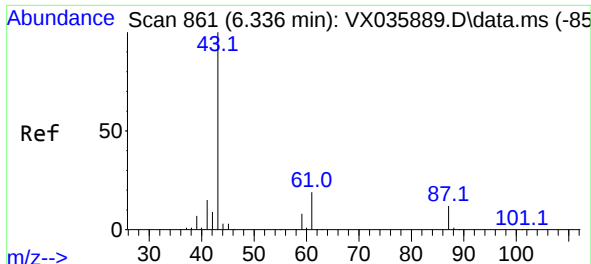
Tgt Ion: 75 Resp: 21071  
Ion Ratio Lower Upper  
75 100  
110 9.8 16.6 49.7#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 7.091 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.134 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 117 Resp: 26645  
Ion Ratio Lower Upper  
117 100  
119 4.7 74.1 111.1#  
121 0.0 25.0 37.4#

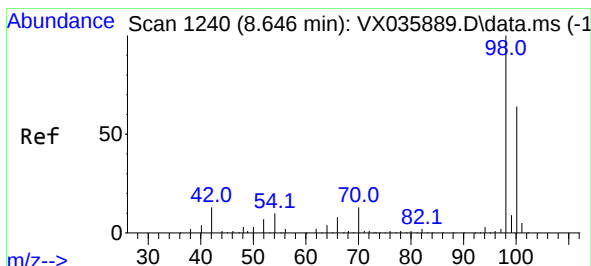
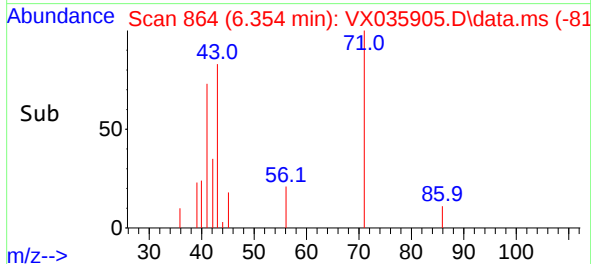
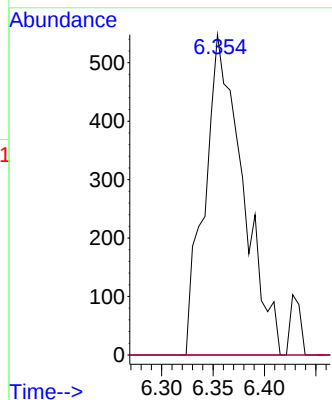
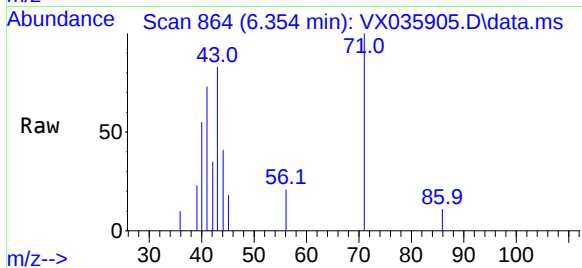




#43  
Isopropyl Acetate  
Concen: 0.205 ug/l  
RT: 6.354 min Scan# 864  
Delta R.T. 0.018 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

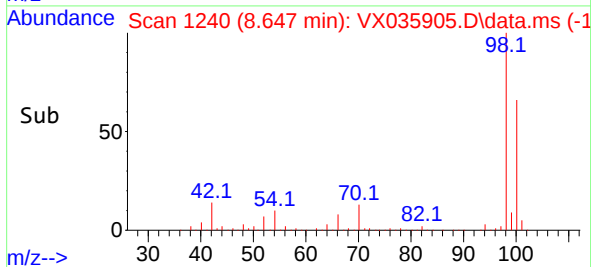
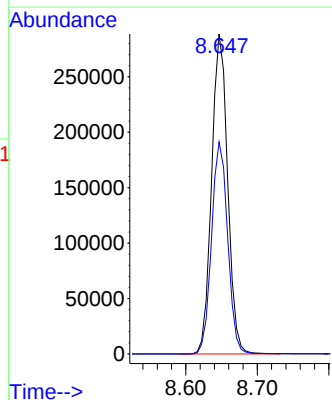
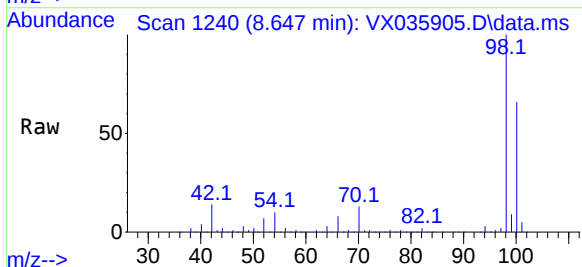
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ClientSampleId :  
ETGI-346

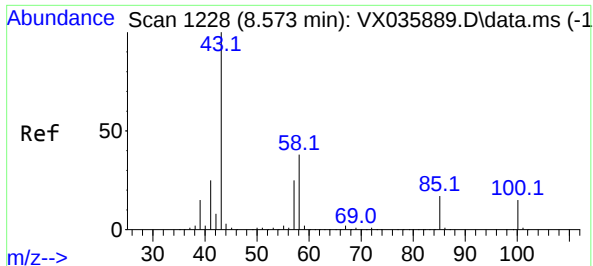
Tgt Ion: 43 Resp: 1415  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.0 22.4#  
87 0.0 9.9 14.9#



#50  
Toluene-d8  
Concen: 46.591 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 98 Resp: 448947  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.4 80.0

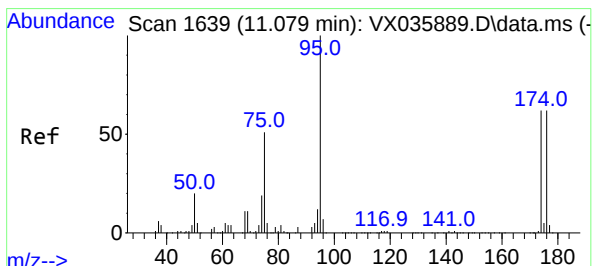
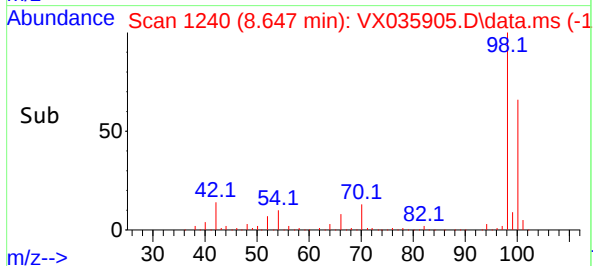
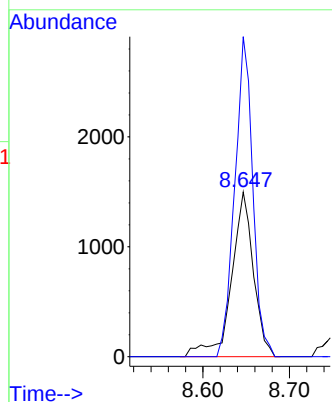
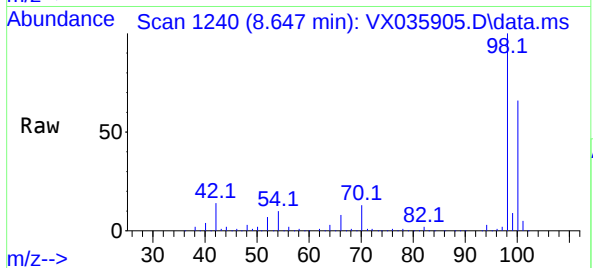




#51  
4-Methyl-2-Pentanone  
Concen: 0.611 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.074 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

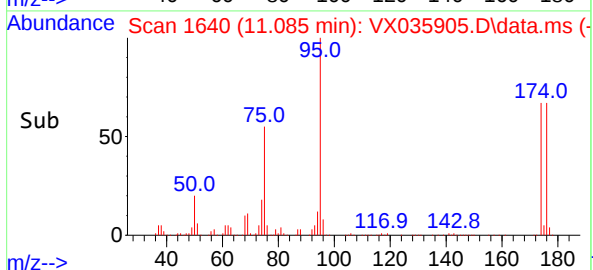
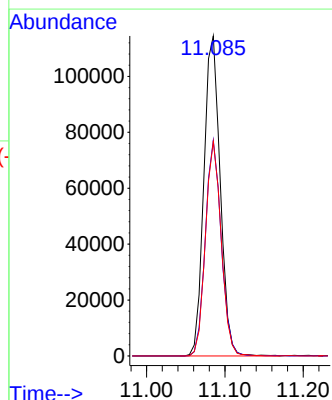
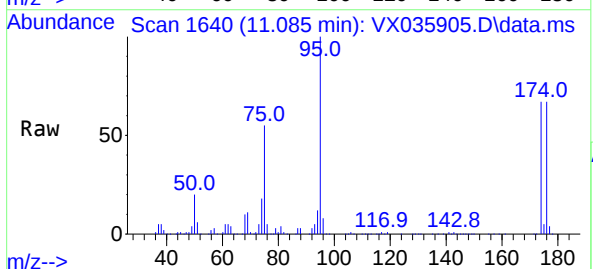
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

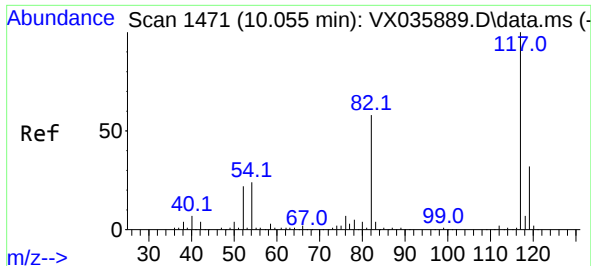
Tgt Ion: 43 Resp: 2630  
Ion Ratio Lower Upper  
43 100  
58 159.9 30.1 45.1#



#62  
4-Bromofluorobenzene  
Concen: 43.506 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion: 95 Resp: 165170  
Ion Ratio Lower Upper  
95 100  
174 65.7 0.0 132.6  
176 64.8 0.0 128.0

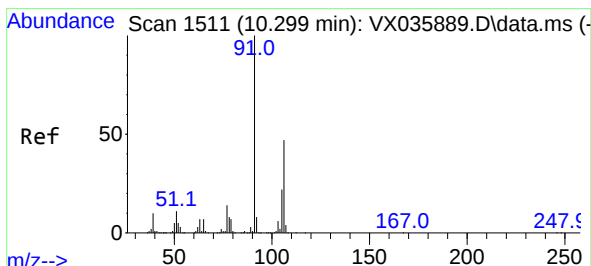
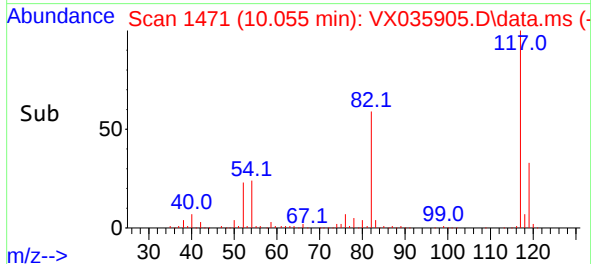
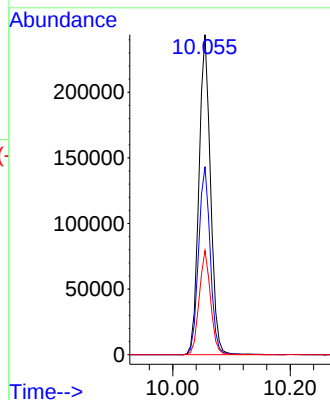
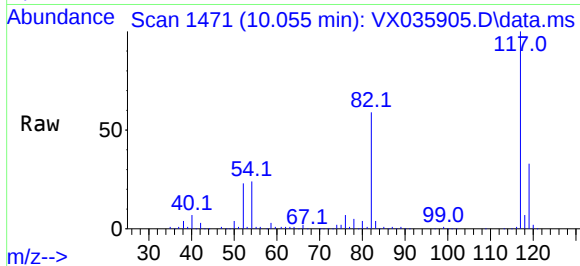




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

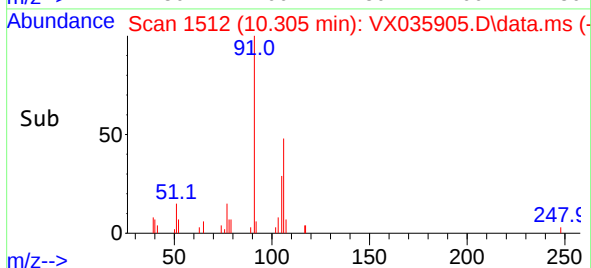
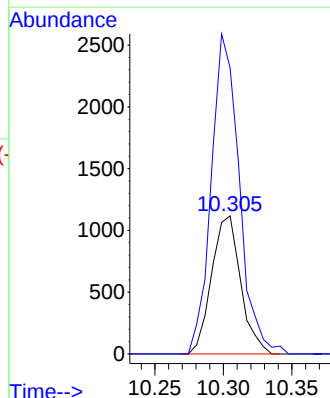
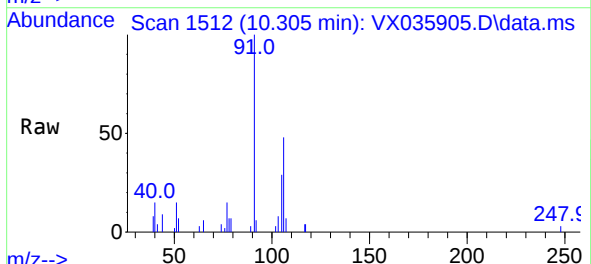
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

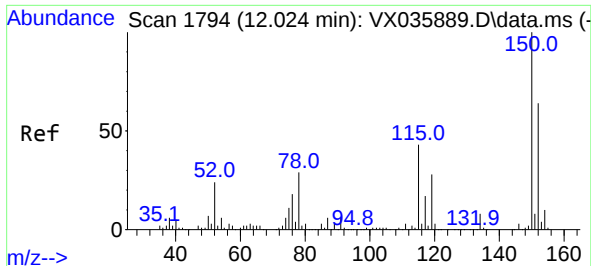
Tgt Ion:117 Resp: 333523  
Ion Ratio Lower Upper  
117 100  
82 58.8 46.6 69.8  
119 32.6 25.4 38.2



#68  
m/p-Xylenes  
Concen: 0.337 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion:106 Resp: 1643  
Ion Ratio Lower Upper  
106 100  
91 223.8 169.8 254.8

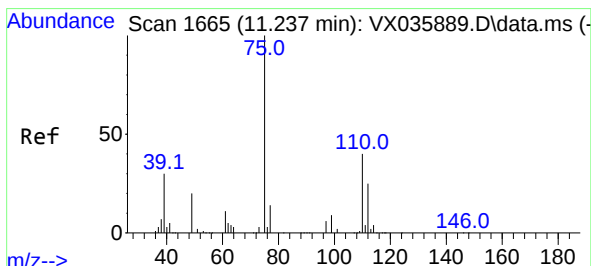
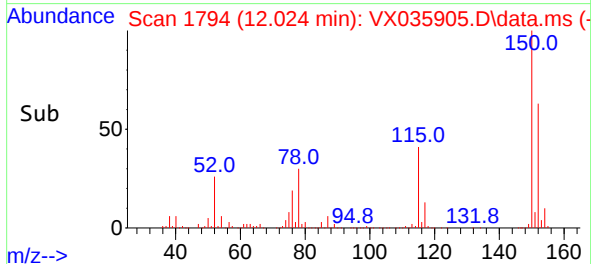
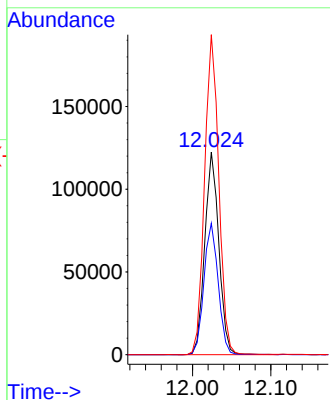
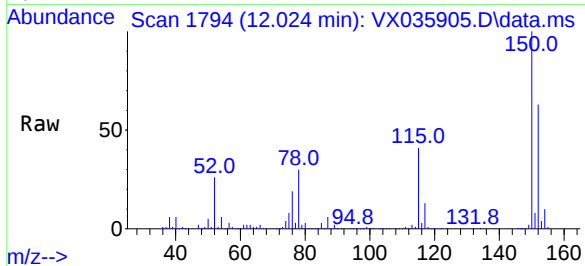




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX035905.D  
 Acq: 30 May 2023 14:50

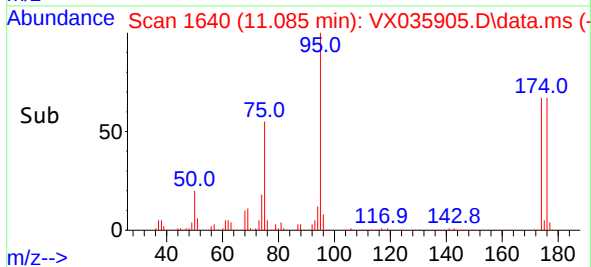
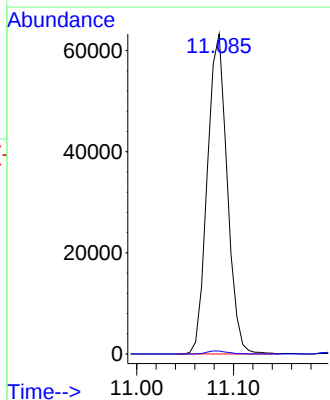
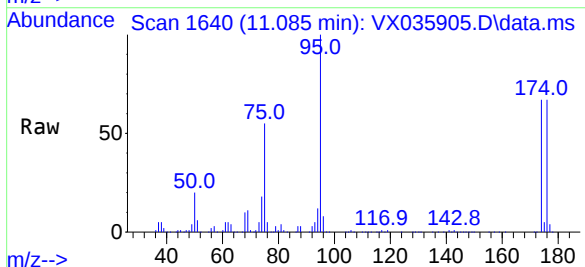
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ETGI-346

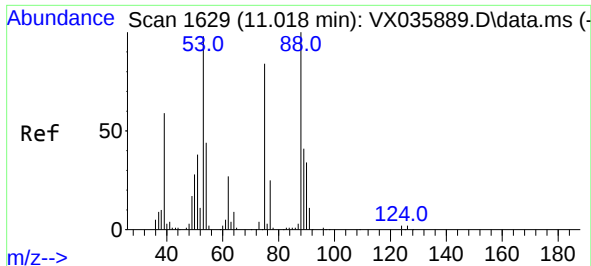
Tgt Ion:152 Resp: 152417  
 Ion Ratio Lower Upper  
 152 100  
 115 66.0 45.5 136.5  
 150 159.3 0.0 345.2



#76  
 1,2,3-Trichloropropane  
 Concen: 23.753 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.152 min  
 Lab File: VX035905.D  
 Acq: 30 May 2023 14:50

Tgt Ion: 75 Resp: 90350  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 21.4 64.2#

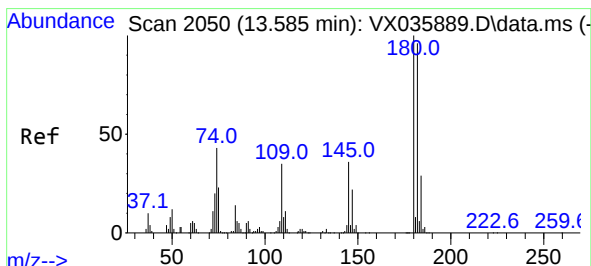
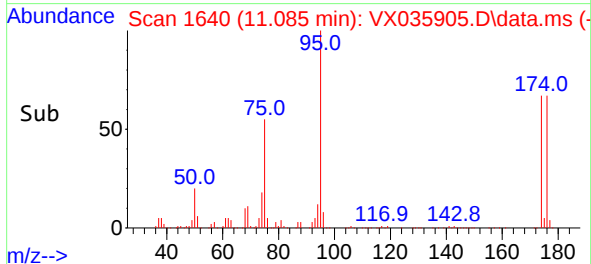
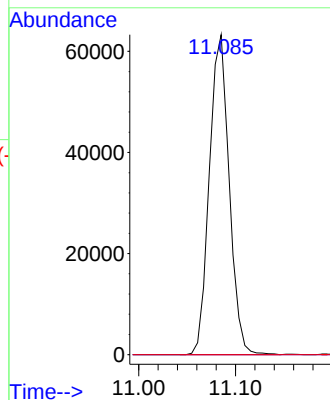
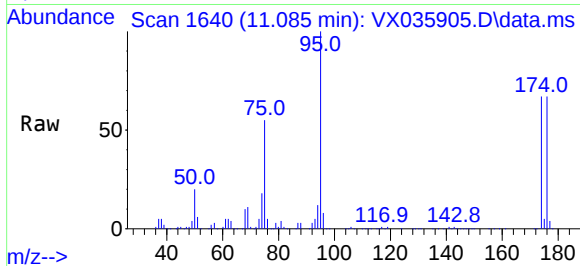




#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.873 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.067 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

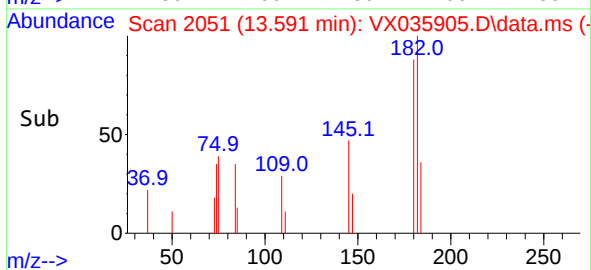
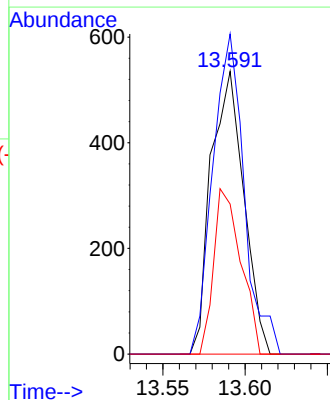
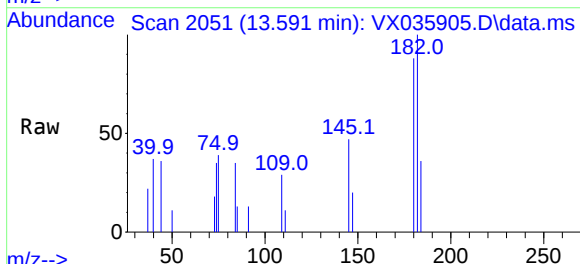
Instrument :  
MSVOA\_X  
ClientSampleId :  
ETGI-346

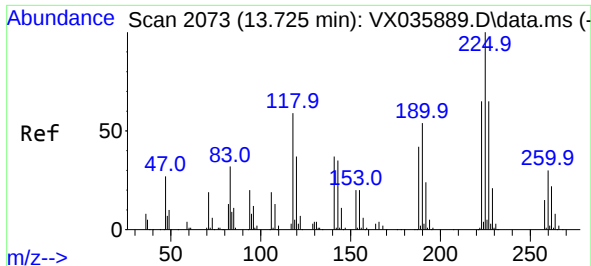
Tgt Ion: 75 Resp: 90350  
Ion Ratio Lower Upper  
75 100  
53 0.0 95.2 142.8#  
89 0.0 38.0 57.0#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.240 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

Tgt Ion:180 Resp: 741  
Ion Ratio Lower Upper  
180 100  
182 108.4 47.3 141.8  
145 48.6 17.3 51.9

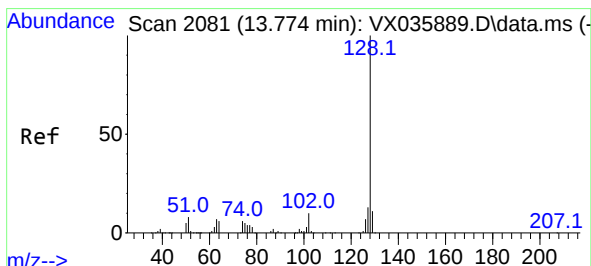
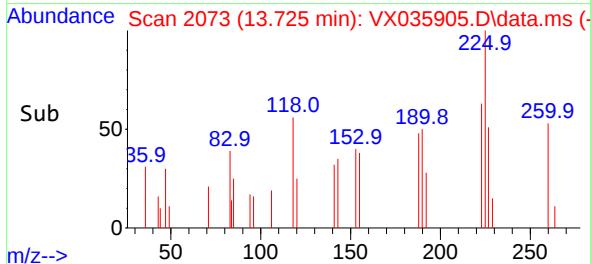
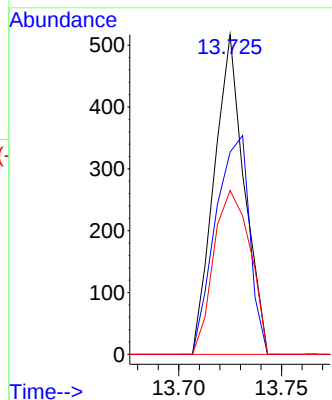
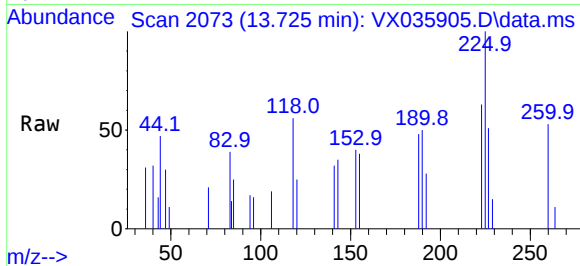




#94  
Hexachlorobutadiene  
Concen: 0.425 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

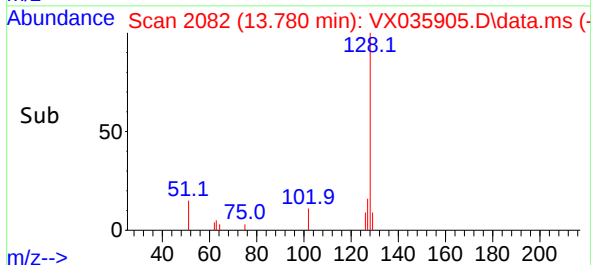
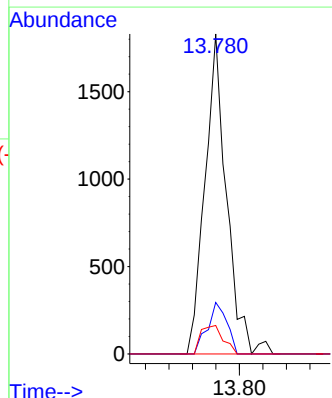
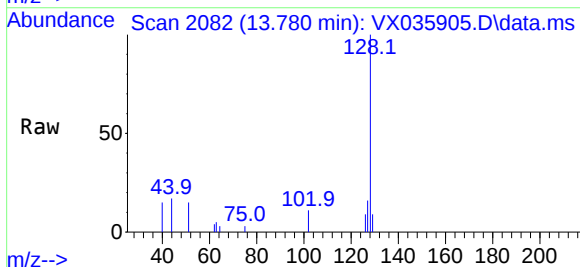
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ClientSampleId :  
ETGI-346

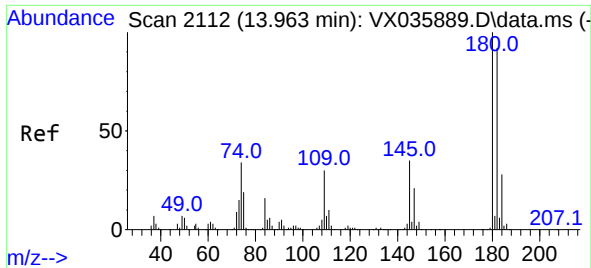
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 527   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 77.6  | 32.6  | 97.7  |
| 227      | 62.2  | 31.9  | 95.7  |



#95  
Naphthalene  
Concen: 0.218 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX035905.D  
Acq: 30 May 2023 14:50

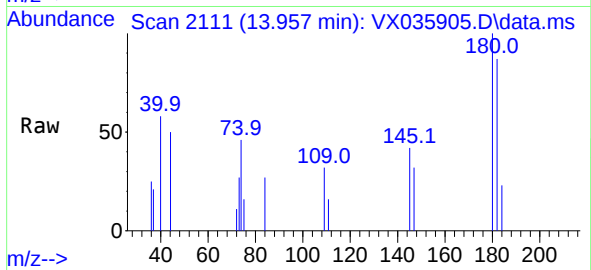
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|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2338  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.5  | 10.3  | 15.5  |
| 129      | 9.2   | 8.7   | 13.1  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.246 ug/l  
 RT: 13.957 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VX035905.D  
 Acq: 30 May 2023 14:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ETGI-346



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 758   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 112.9 | 46.9  | 140.7 |
| 145      | 35.0  | 18.1  | 54.3  |

