

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013023\  
 Data File : VY012405.D  
 Acq On : 30 Jan 2023 18:08  
 Operator : KP/MD  
 Sample : 01345-03RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-346RE

Quant Time: Jan 31 01:49:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

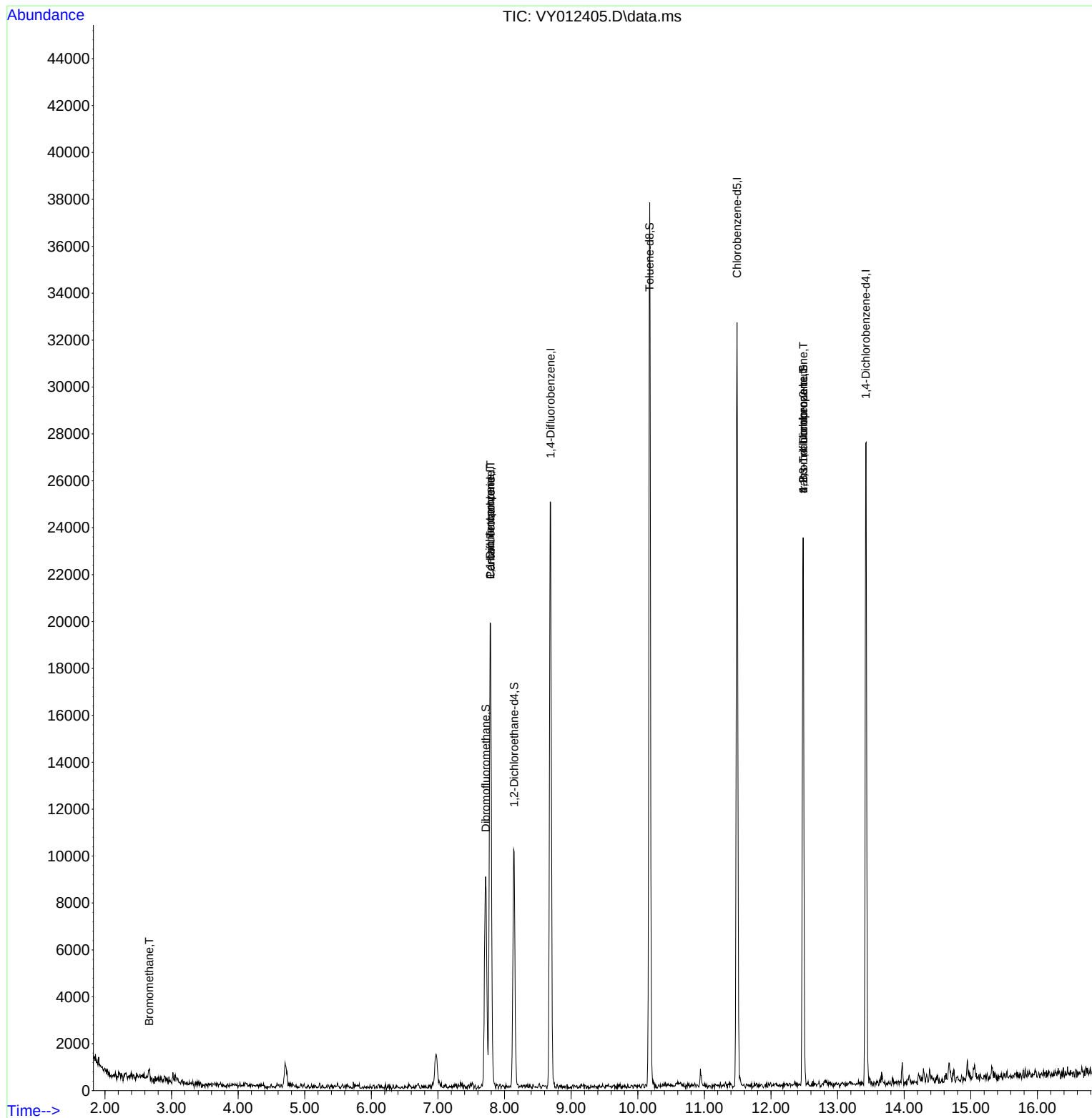
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 16338    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 23908    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 19939    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 8076     | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 8767     | 65.996    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 132.000% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 6520     | 51.504    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 103.000% |
| 50) Toluene-d8                | 10.179 | 98    | 26751    | 62.031    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 124.060% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 7574     | 42.442    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 84.880%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       | Qvalue   |           |        |          |
| 5) Bromomethane               | 2.662  | 94    | 151      | 1.269     | ug/l # | 51       |
| 20) Methylene Chloride        | 4.716  | 84    | 904      | Below Cal | #      | 64       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 1189     | 5.526     | ug/l # | 42       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 1510     | 5.434     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 3521     | 47.413    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 3521     | 97.692    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

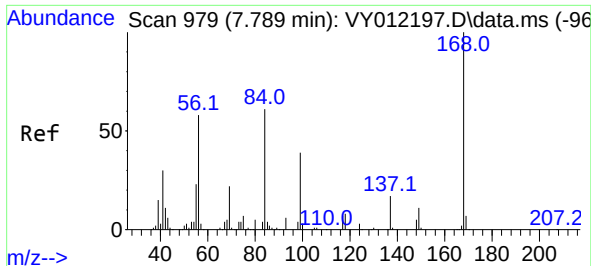
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013023\  
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Sample : 01345-03RE  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

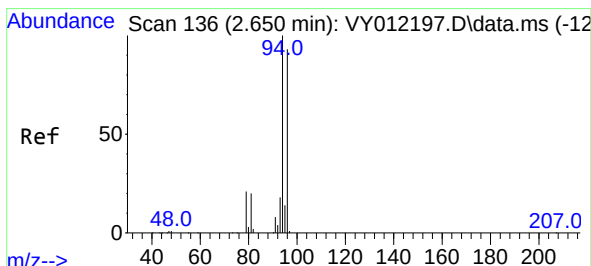
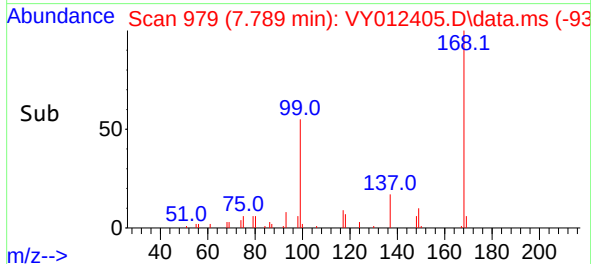
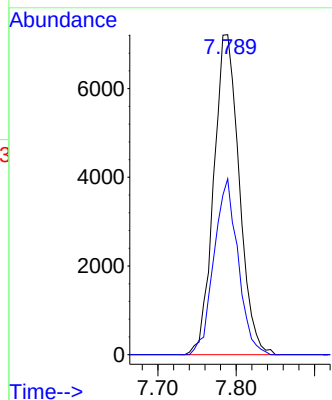
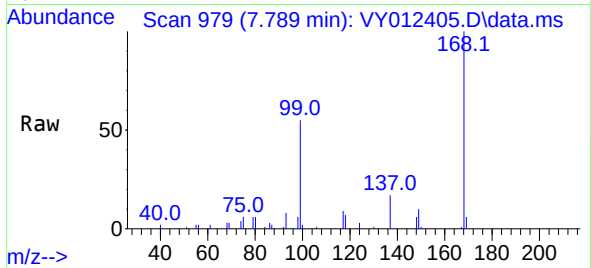




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

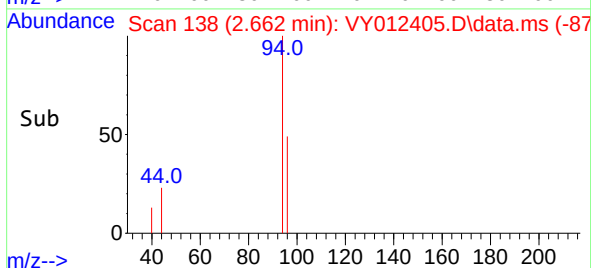
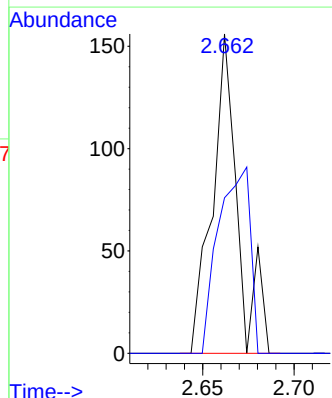
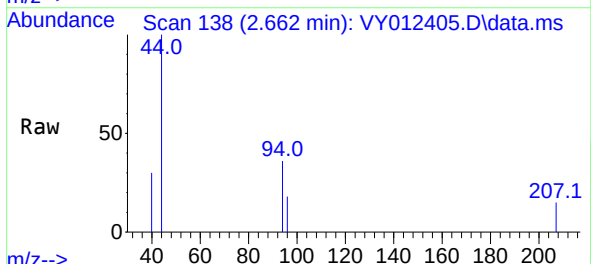
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

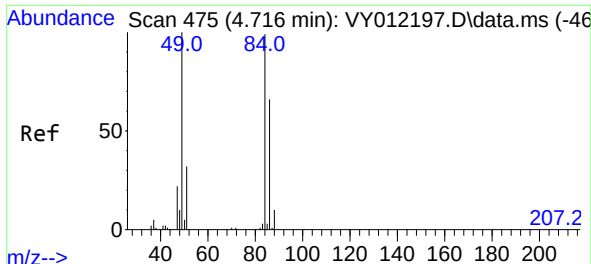
Tgt Ion:168 Resp: 16338  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.0 66.0



#5  
Bromomethane  
Concen: 1.269 ug/l  
RT: 2.662 min Scan# 138  
Delta R.T. 0.012 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Tgt Ion: 94 Resp: 151  
Ion Ratio Lower Upper  
94 100  
96 48.7 77.4 116.2#

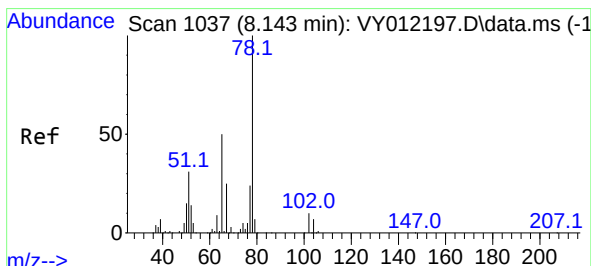
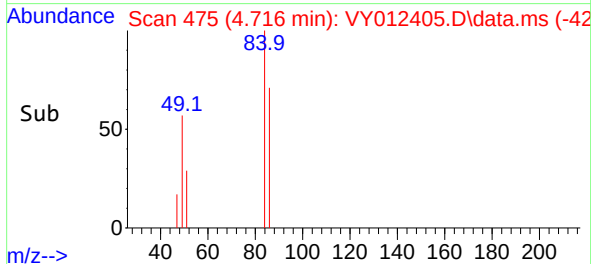
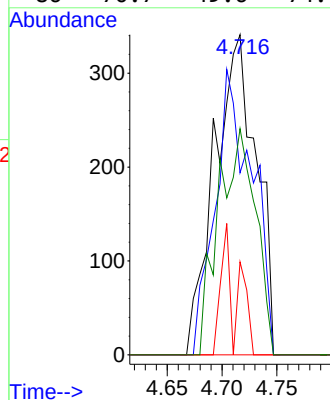
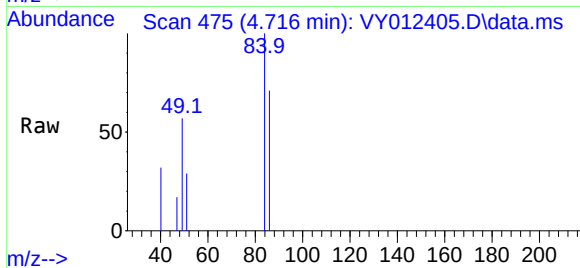




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

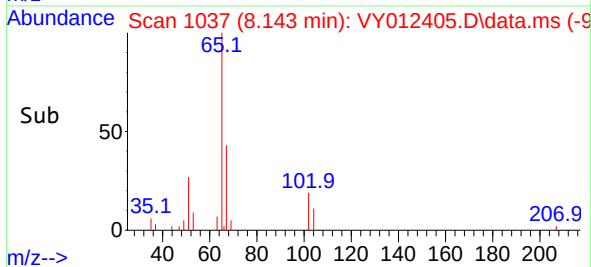
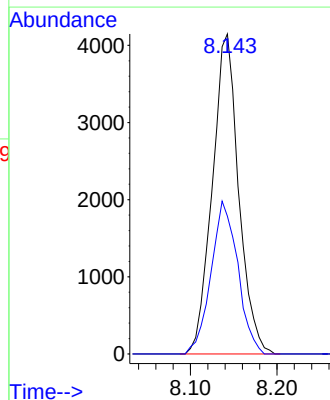
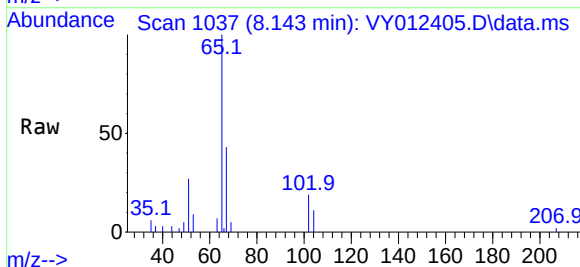
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

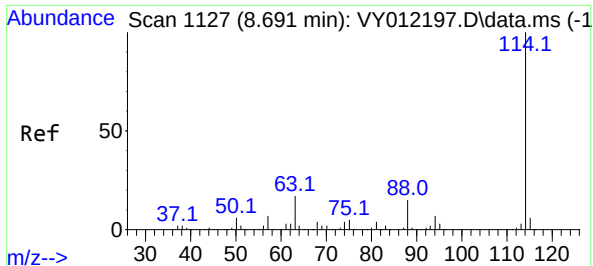
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 904    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 56.9  | 95.4  | 143.2# |
| 51       | 29.0  | 29.9  | 44.9#  |
| 86       | 70.7  | 49.6  | 74.4   |



#33  
1,2-Dichloroethane-d4  
Concen: 65.996 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 8767  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 48.4  | 0.0   | 103.2 |



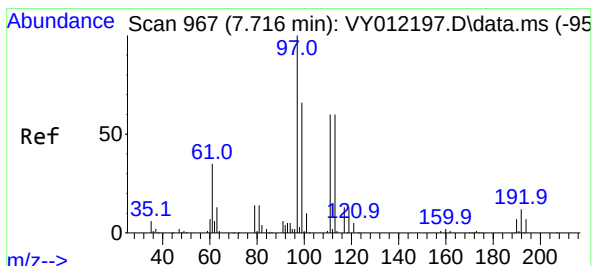
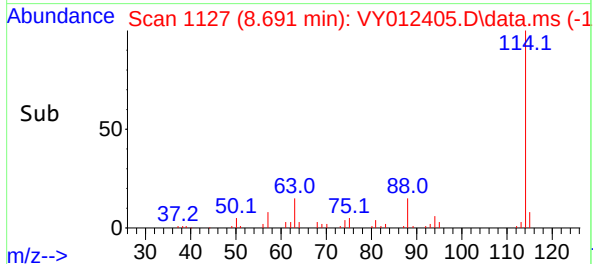
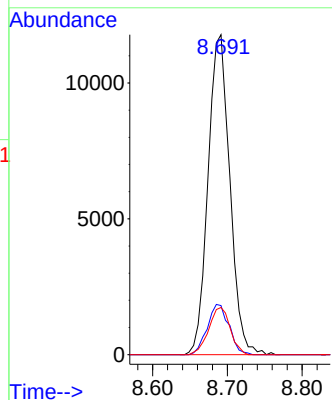
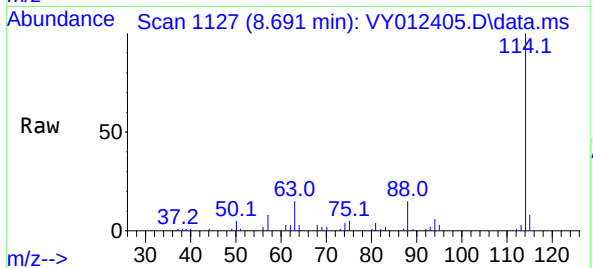


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

Tgt Ion:114 Resp: 23908

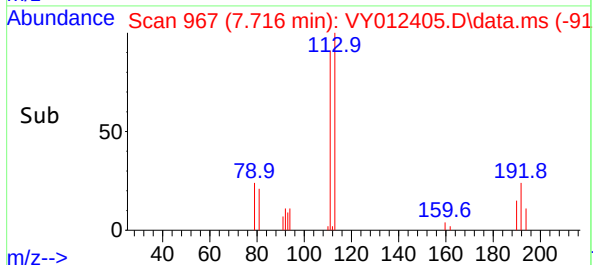
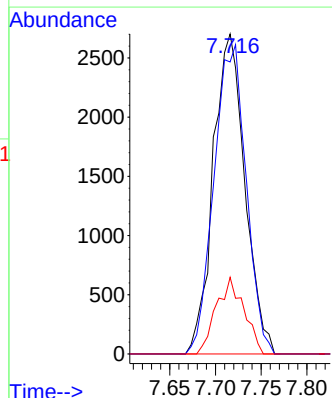
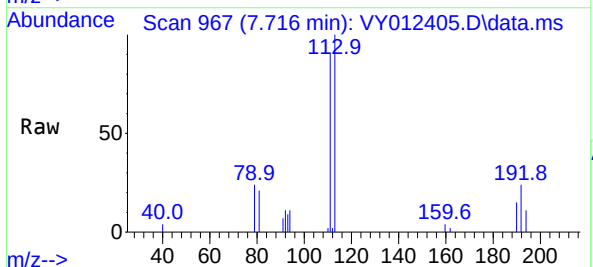
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 15.4  | 0.0   | 39.6  |
| 88  | 14.8  | 0.0   | 32.2  |

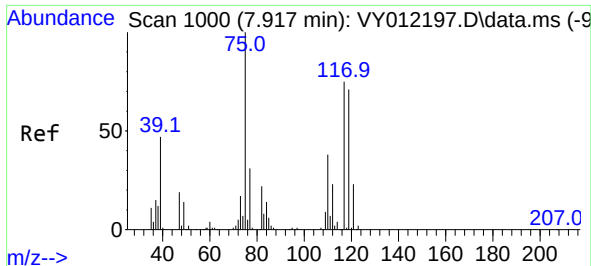


#35  
Dibromofluoromethane  
Concen: 51.504 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Tgt Ion:113 Resp: 6520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 98.0  | 83.0  | 124.4 |
| 192 | 20.9  | 16.0  | 24.0  |





#36

1,1-Dichloropropene

Concen: 5.526 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012405.D

Acq: 30 Jan 2023 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

ETGI-346RE

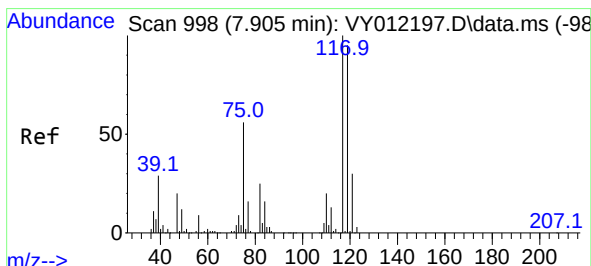
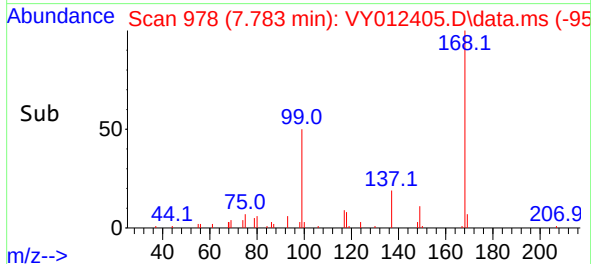
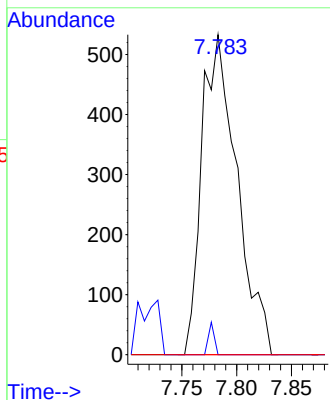
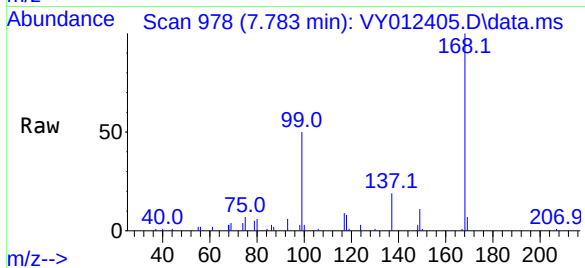
Tgt Ion: 75 Resp: 1189

Ion Ratio Lower Upper

75 100

110 1.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012405.D

Acq: 30 Jan 2023 18:08

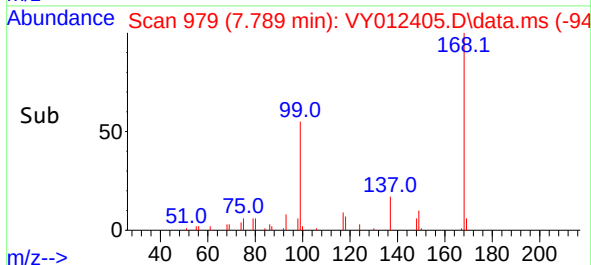
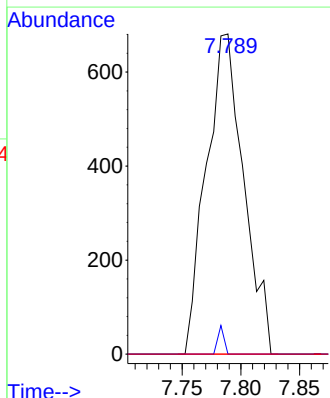
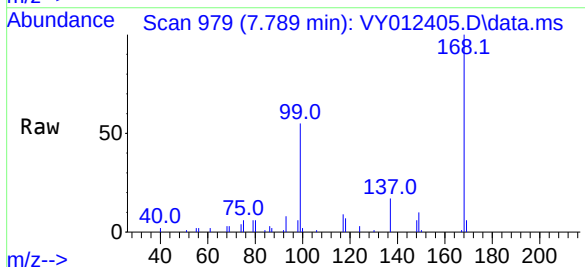
Tgt Ion: 117 Resp: 1510

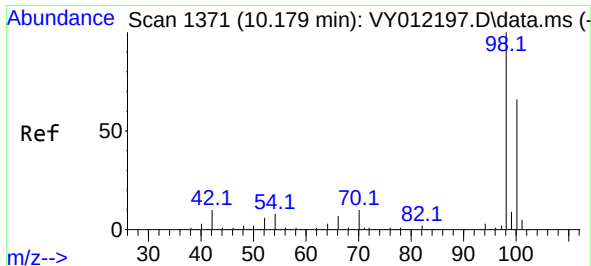
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

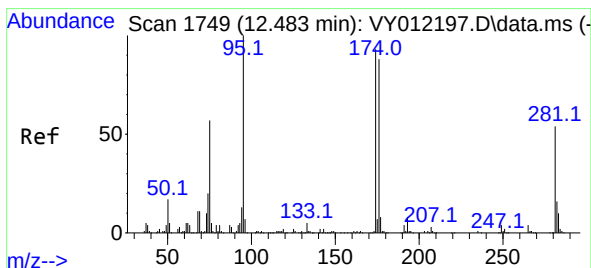
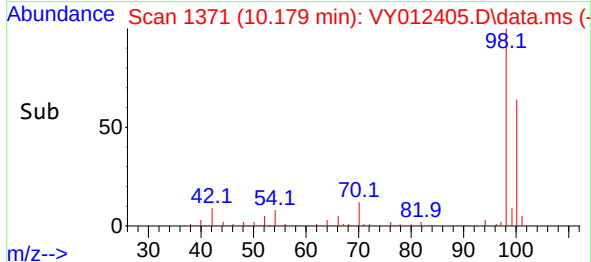
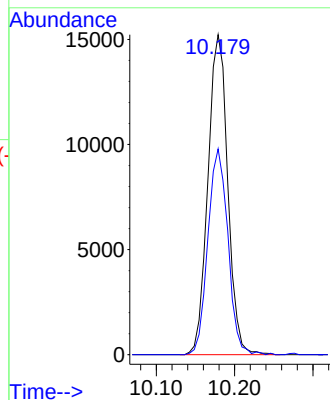
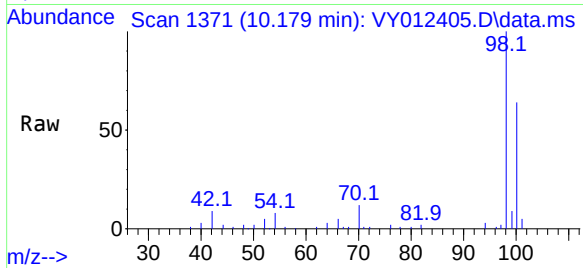




#50  
Toluene-d8  
Concen: 62.031 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

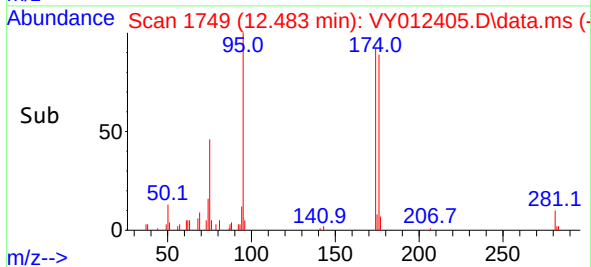
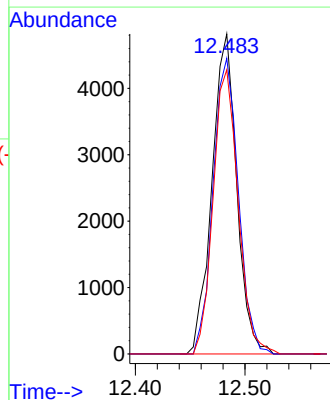
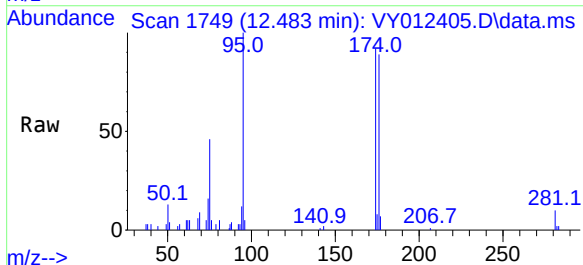
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

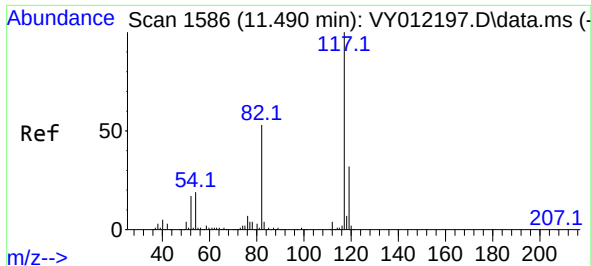
Tgt Ion: 98 Resp: 26751  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 42.442 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Tgt Ion: 95 Resp: 7574  
Ion Ratio Lower Upper  
95 100  
174 94.2 0.0 172.0  
176 89.5 0.0 167.6

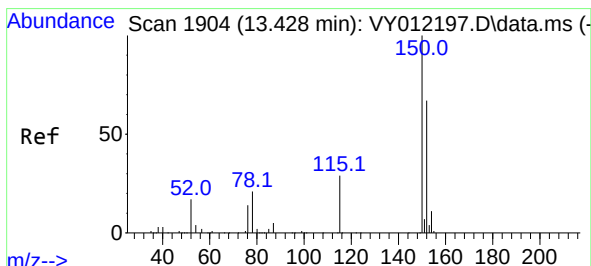
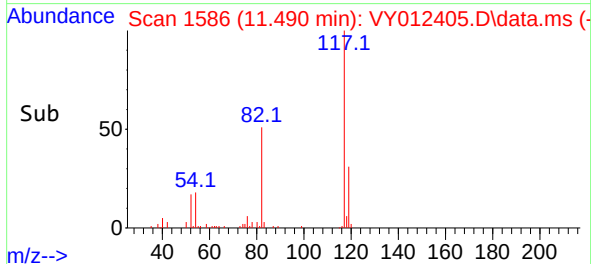
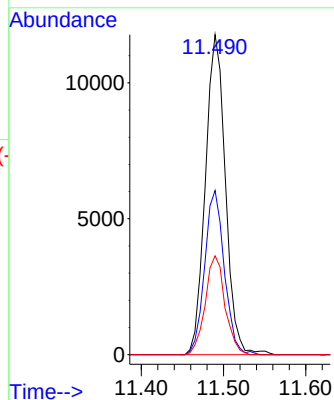
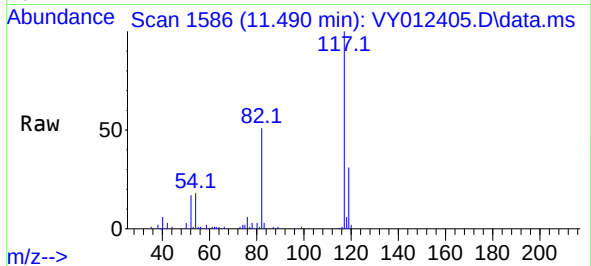




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

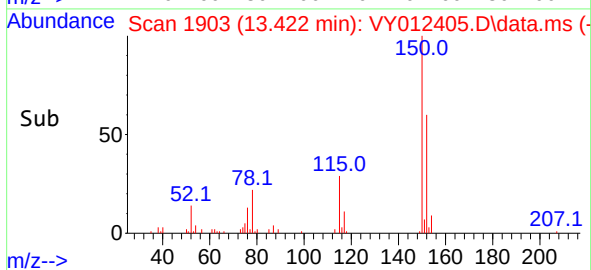
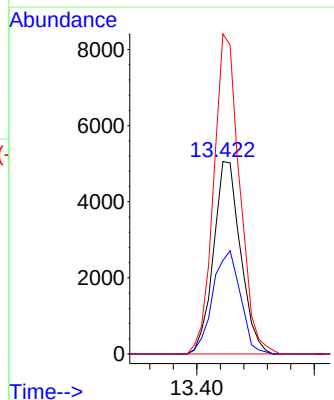
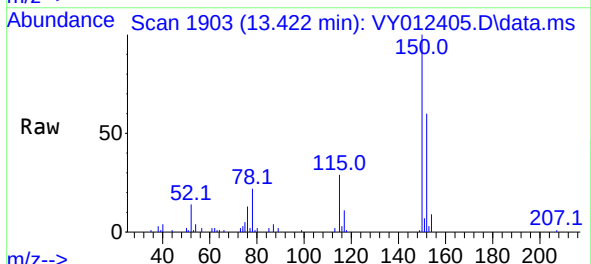
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 19939       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 51.3  | 44.8 67.2   |
| 119         | 30.9  | 25.4 38.2   |

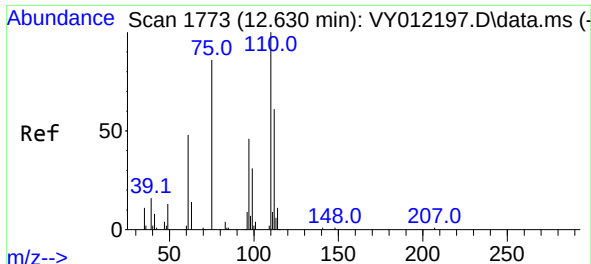


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 8076        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 55.0  | 29.1 87.3   |
| 150         | 159.7 | 0.0 342.6   |



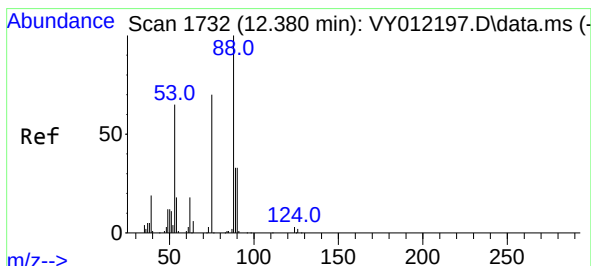
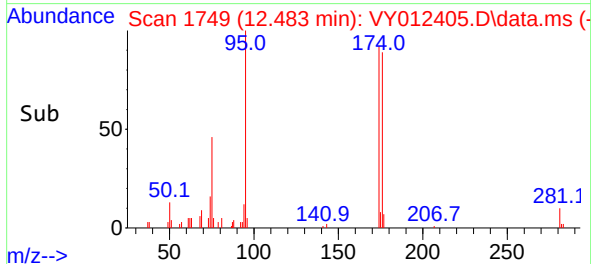
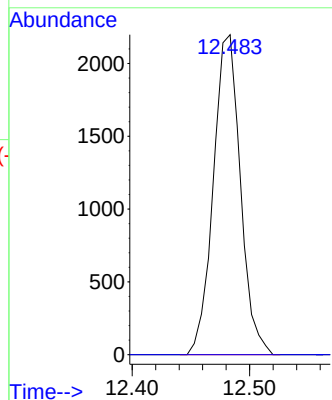
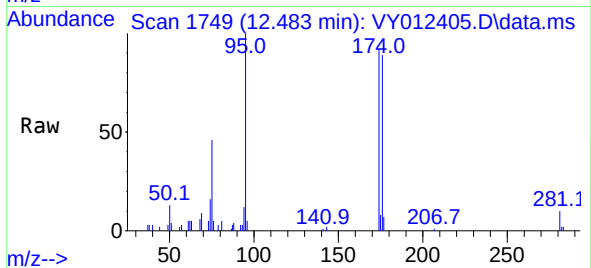




#76  
1,2,3-Trichloropropane  
Concen: 47.413 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-346RE

Tgt Ion: 75 Resp: 3521  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.692 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.109 min  
Lab File: VY012405.D  
Acq: 30 Jan 2023 18:08

Tgt Ion: 75 Resp: 3521  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

