

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011323\  
 Data File : VY012189.D  
 Acq On : 13 Jan 2023 13:51  
 Operator : KP/MD  
 Sample : 01132-07RE  
 Misc : 4.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOT-VOC-2RE

Quant Time: Jan 16 08:18:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

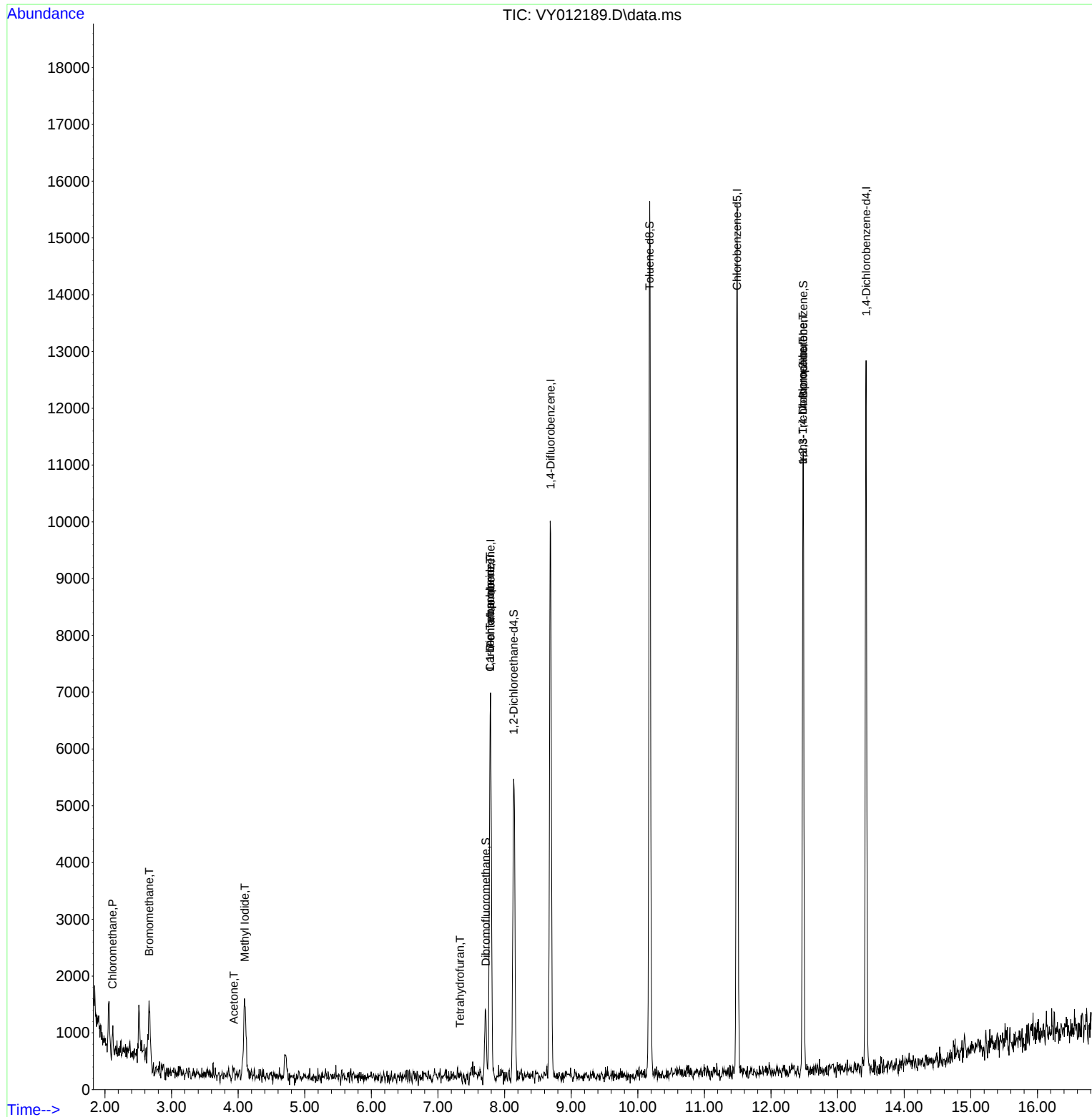
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 5709     | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 9102     | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 9635     | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 3857     | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 4674     | 72.861    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 145.720% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 933      | 15.595    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 31.200%# |          |
| 50) Toluene-d8                | 10.179 | 98    | 11194    | 47.405    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 94.820%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 3490     | 42.283    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 84.560%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.113  | 50    | 331      | 5.098     | ug/l #     | 41       |
| 5) Bromomethane               | 2.662  | 94    | 733      | 17.445    | ug/l       | 91       |
| 10) Methyl Iodide             | 4.100  | 142   | 2228     | 28.877    | ug/l #     | 96       |
| 16) Acetone                   | 3.936  | 43    | 232      | 15.374    | ug/l #     | 40       |
| 20) Methylene Chloride        | 4.710  | 84    | 263      | Below Cal | #          | 46       |
| 29) Tetrahydrofuran           | 7.332  | 42    | 19       | 1.635     | ug/l #     | 31       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 341      | 3.757     | ug/l #     | 41       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 497      | 4.314     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 1815     | 41.213    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 1815     | 91.528    | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

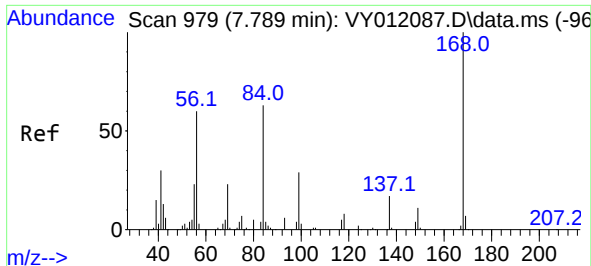
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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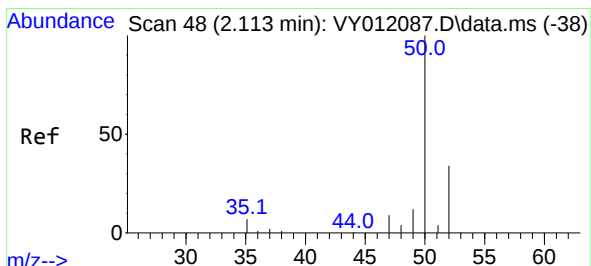
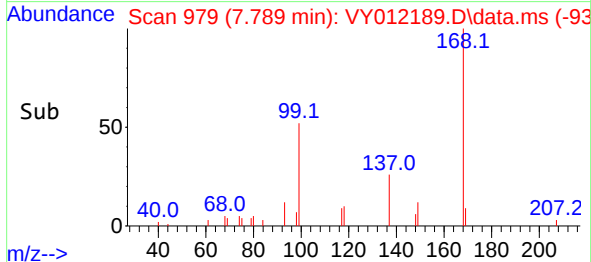
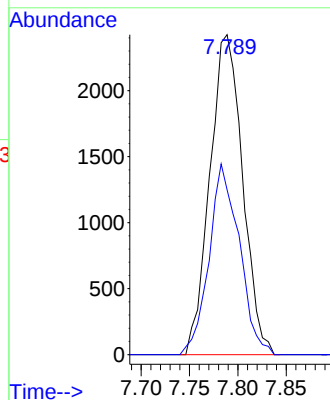
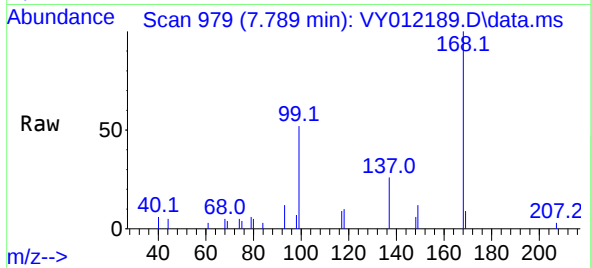




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

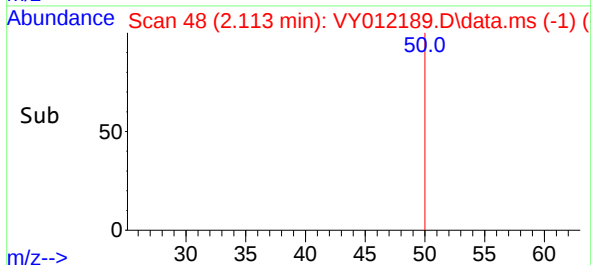
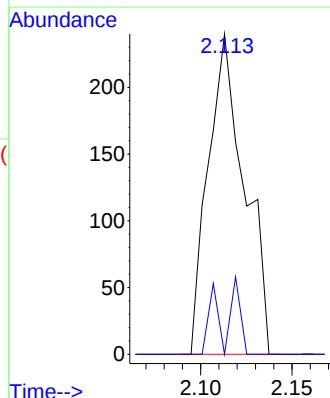
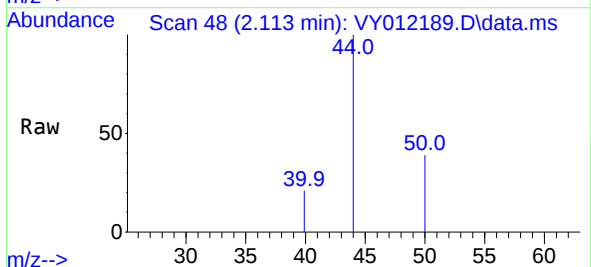
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

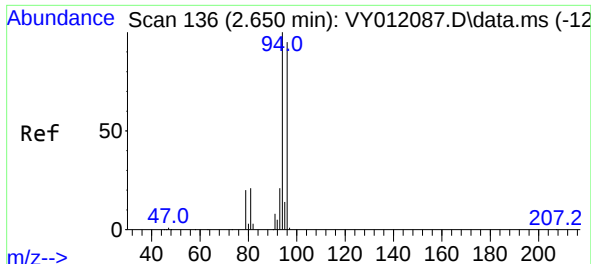
Tgt Ion:168 Resp: 5709  
Ion Ratio Lower Upper  
168 100  
99 51.6 44.0 66.0



#3  
Chloromethane  
Concen: 5.098 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 50 Resp: 331  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.8 40.2#

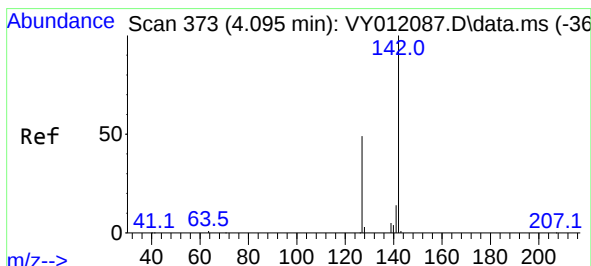
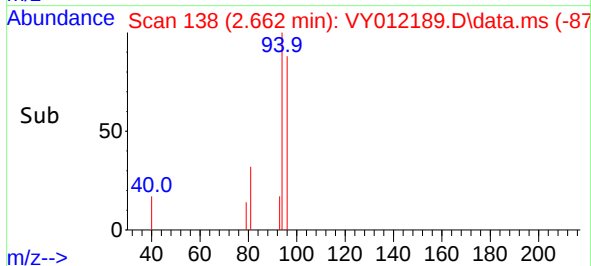
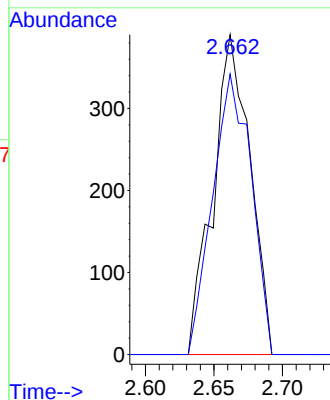
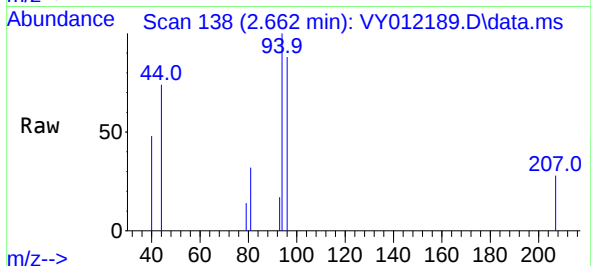




#5  
Bromomethane  
Concen: 17.445 ug/l  
RT: 2.662 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

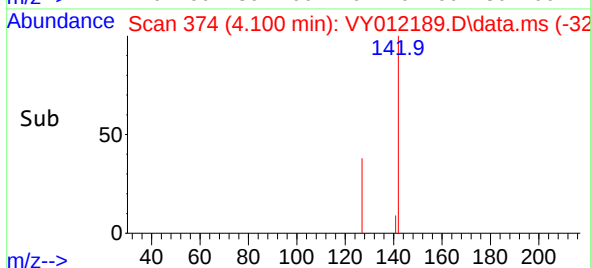
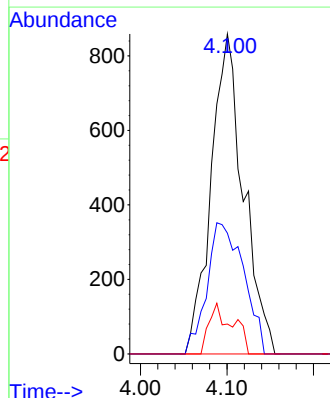
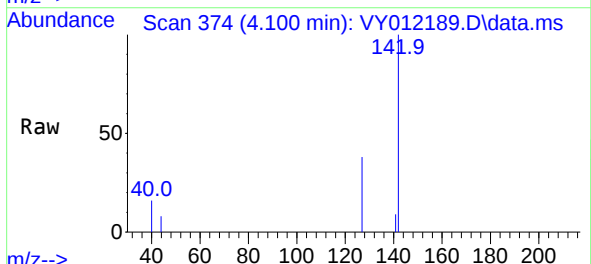
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

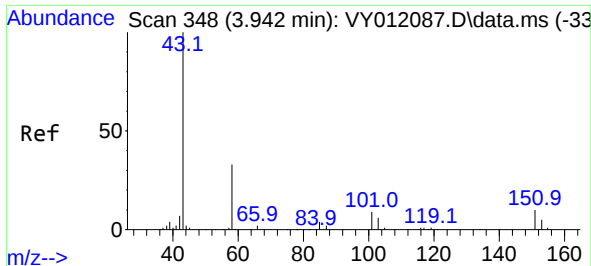
Tgt Ion: 94 Resp: 733  
Ion Ratio Lower Upper  
94 100  
96 87.7 77.4 116.2



#10  
Methyl Iodide  
Concen: 28.877 ug/l  
RT: 4.100 min Scan# 374  
Delta R.T. 0.005 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 142 Resp: 2228  
Ion Ratio Lower Upper  
142 100  
127 46.5 37.0 55.4  
141 8.8 11.4 17.0#

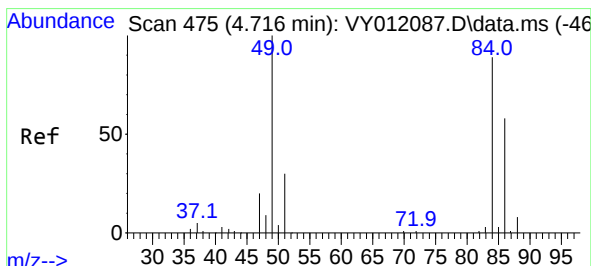
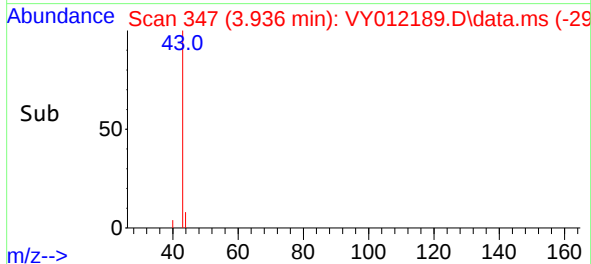
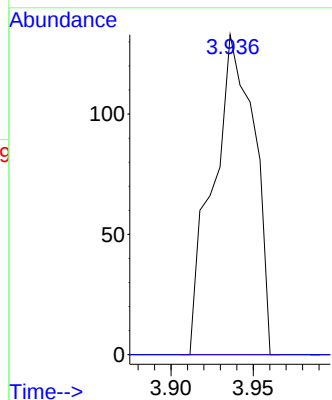
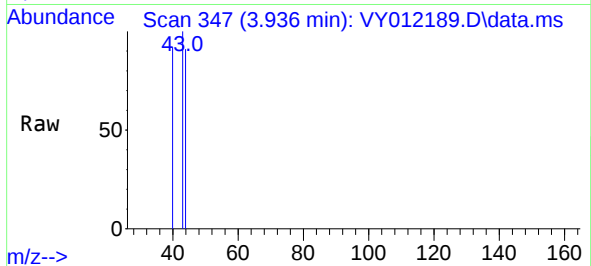




#16  
Acetone  
Concen: 15.374 ug/l  
RT: 3.936 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

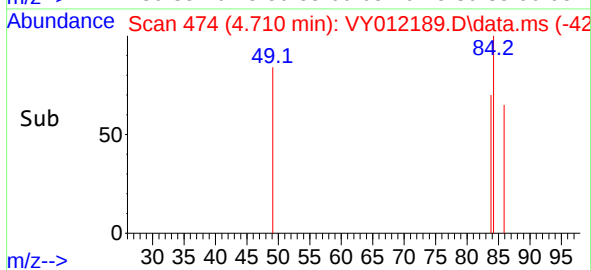
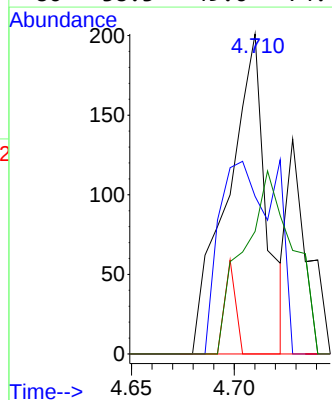
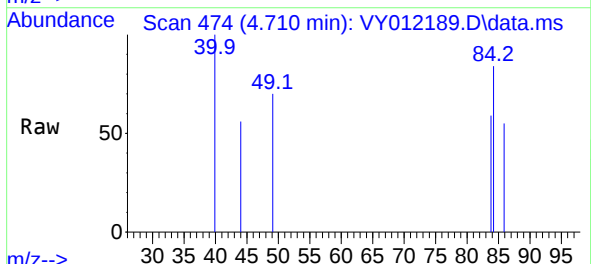
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

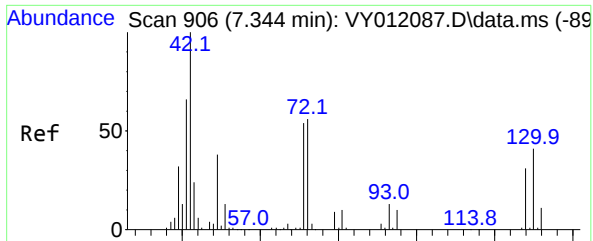
Tgt Ion: 43 Resp: 232  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 41.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 84 Resp: 263  
Ion Ratio Lower Upper  
84 100  
49 49.3 95.4 143.2#  
51 0.0 29.9 44.9#  
86 38.3 49.6 74.4#

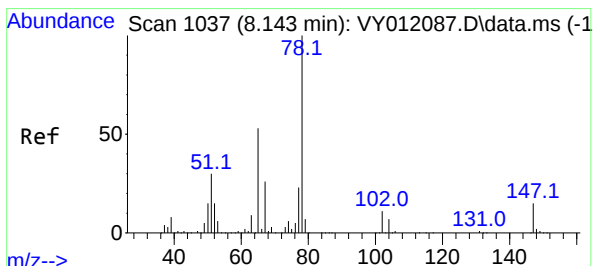
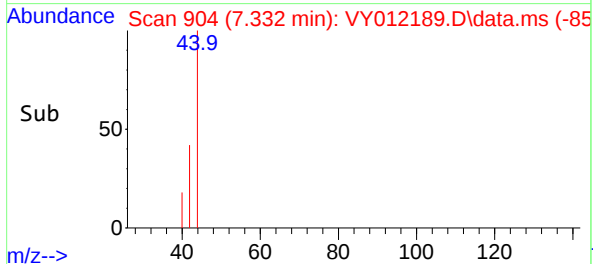
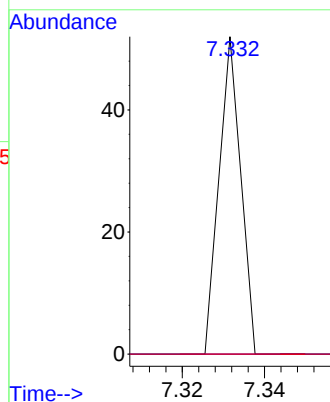
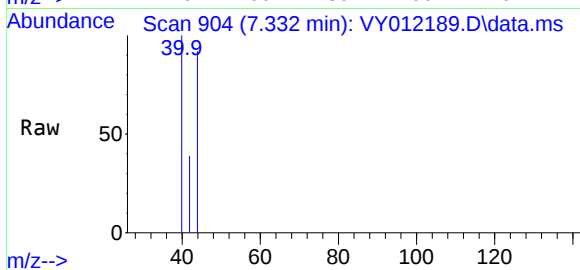




#29  
Tetrahydrofuran  
Concen: 1.635 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. -0.012 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

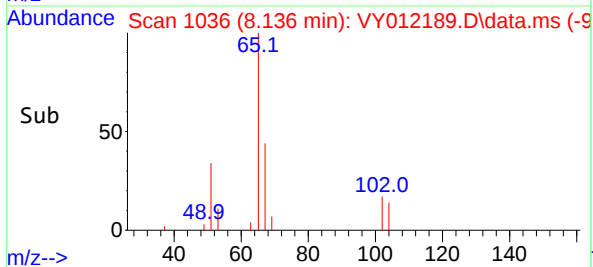
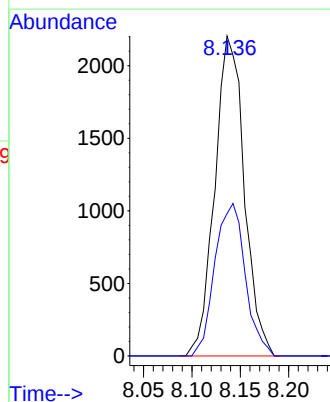
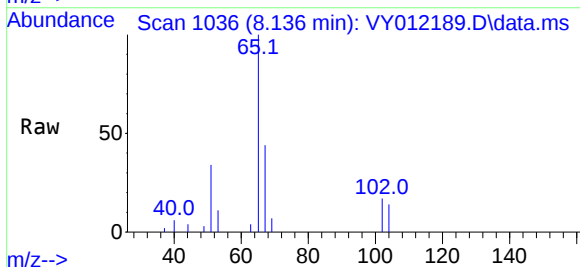
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

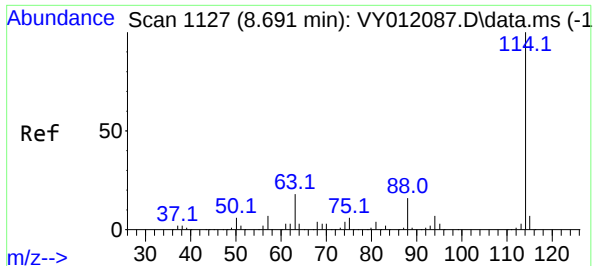
Tgt Ion: 42 Resp: 19  
Ion Ratio Lower Upper  
42 100  
72 0.0 37.0 55.6#  
71 0.0 34.9 52.3#



#33  
1,2-Dichloroethane-d4  
Concen: 72.861 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 65 Resp: 4674  
Ion Ratio Lower Upper  
65 100  
67 49.2 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: VY012189.D

Acq: 13 Jan 2023 13:51

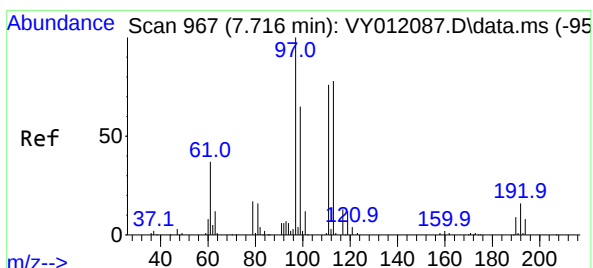
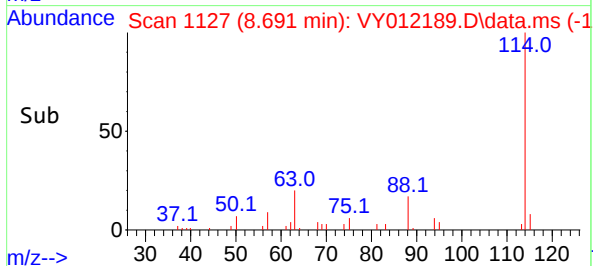
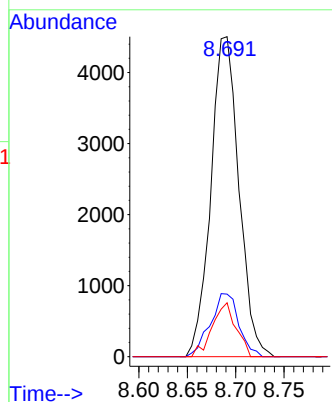
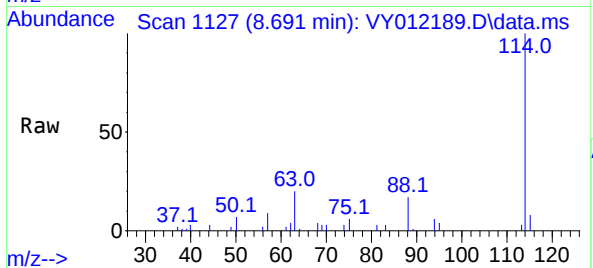
Instrument :

MSVOA\_Y

ClientSampleId :

TOT-VOC-2RE

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 9102     |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 19.6  | 0.0 39.6 |
| 88          | 16.8  | 0.0 32.2 |



#35

Dibromofluoromethane

Concen: 15.595 ug/l

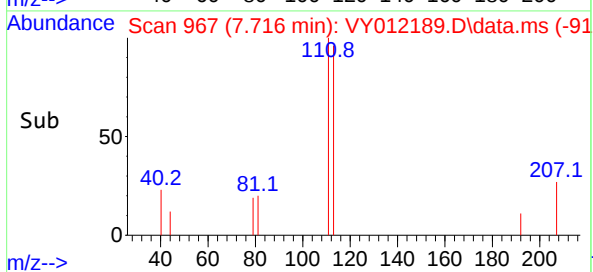
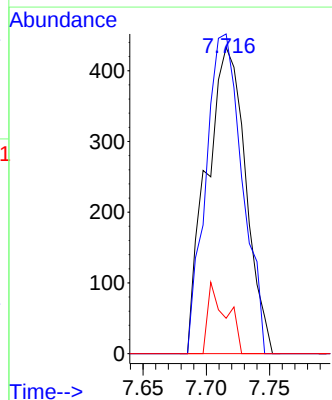
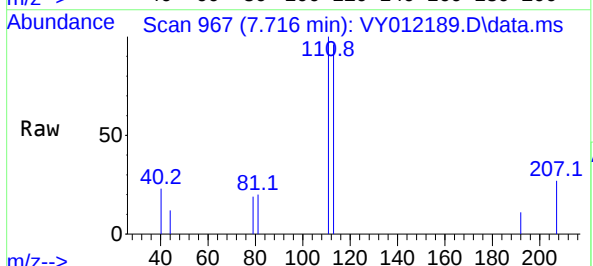
RT: 7.716 min Scan# 967

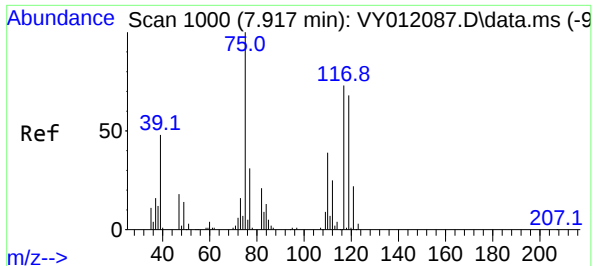
Delta R.T. -0.000 min

Lab File: VY012189.D

Acq: 13 Jan 2023 13:51

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 933        |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 97.2  | 83.0 124.4 |
| 192         | 10.9  | 16.0 24.0# |

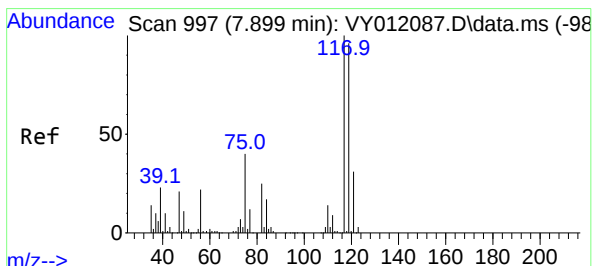
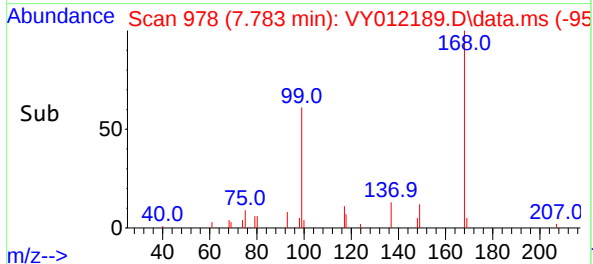
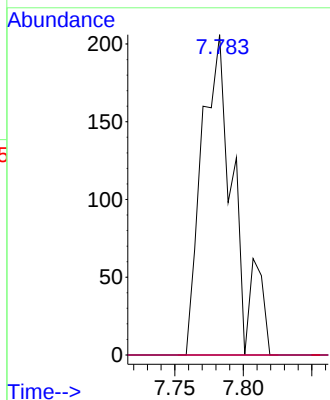
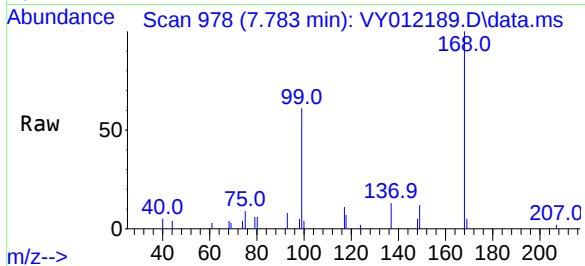




#36  
1,1-Dichloropropene  
Concen: 3.757 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

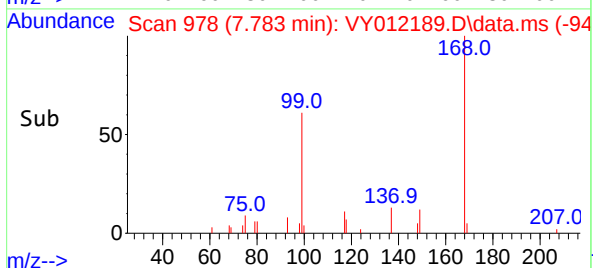
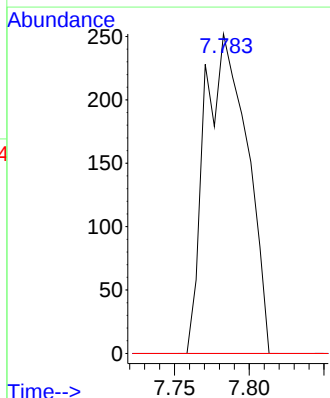
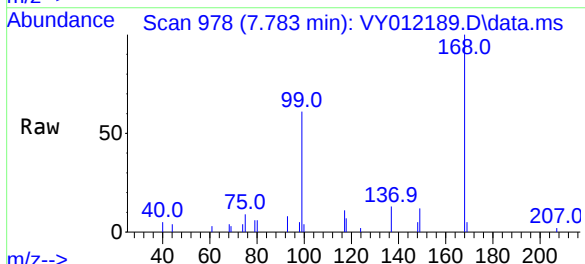
Instrument :  
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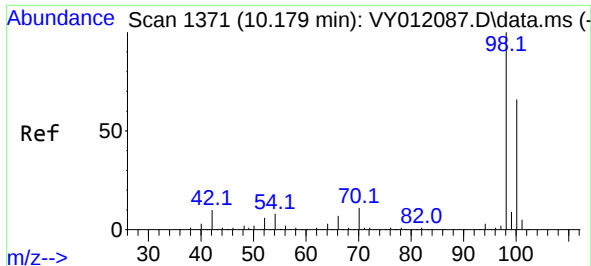
Tgt Ion: 75 Resp: 341  
Ion Ratio Lower Upper  
75 100  
110 0.0 18.1 54.1#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 4.314 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.116 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 117 Resp: 497  
Ion Ratio Lower Upper  
117 100  
119 0.0 73.8 110.8#  
121 0.0 25.2 37.8#

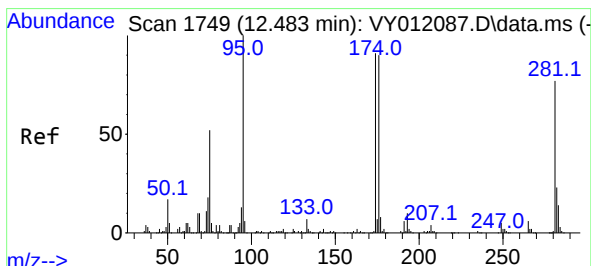
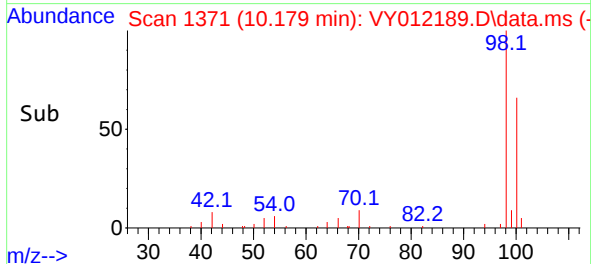
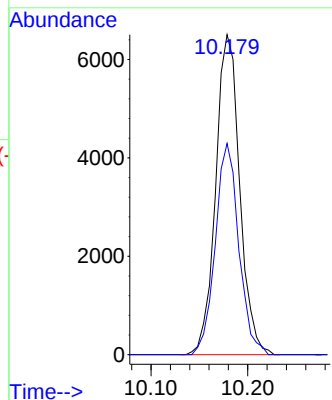
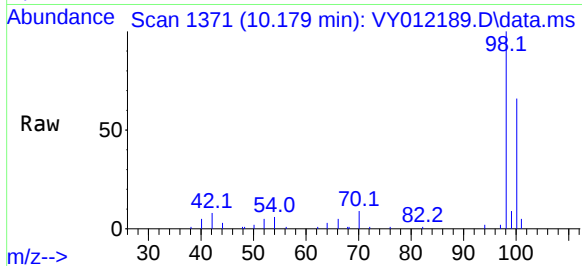




#50  
Toluene-d8  
Concen: 47.405 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

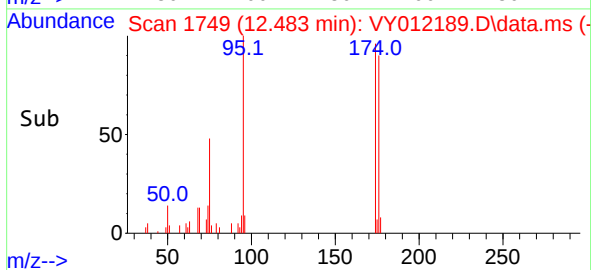
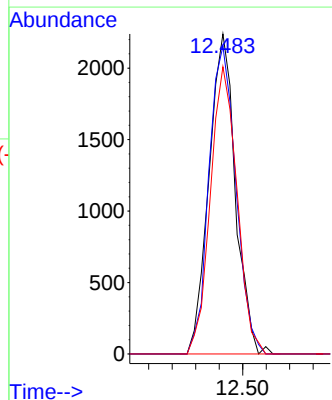
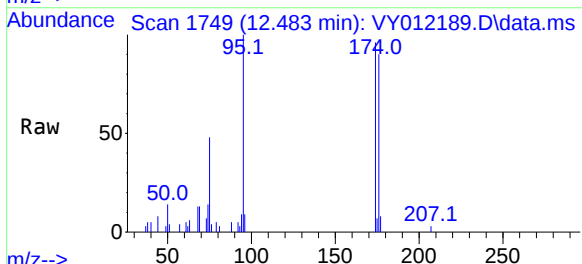
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

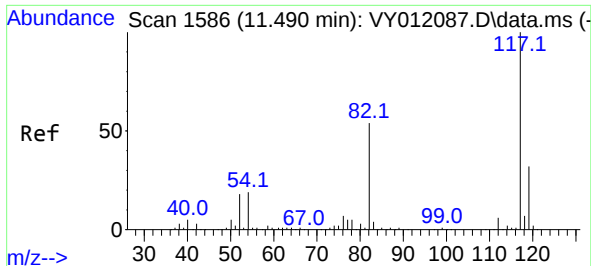
Tgt Ion: 98 Resp: 11194  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 42.283 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 95 Resp: 3490  
Ion Ratio Lower Upper  
95 100  
174 98.4 0.0 172.0  
176 90.5 0.0 167.6

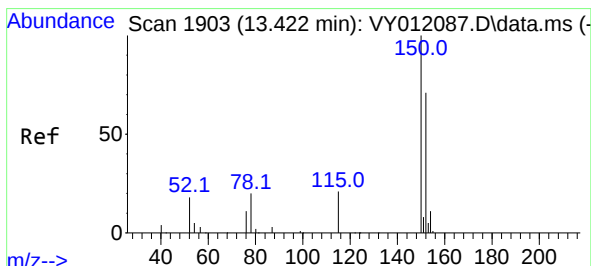
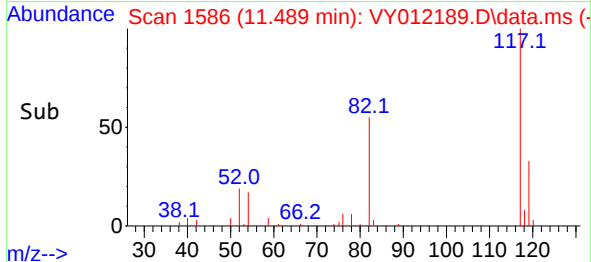
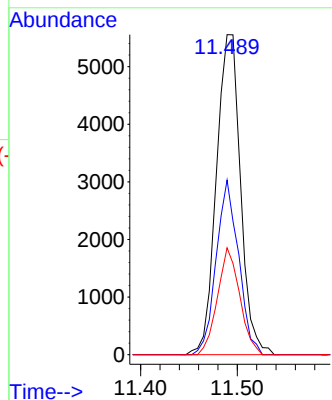
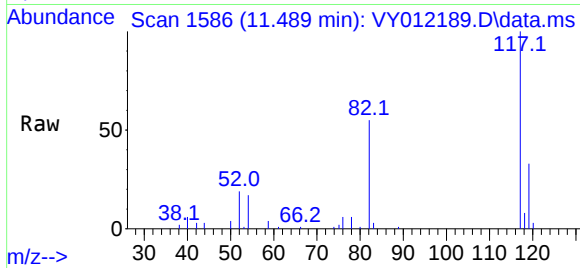




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

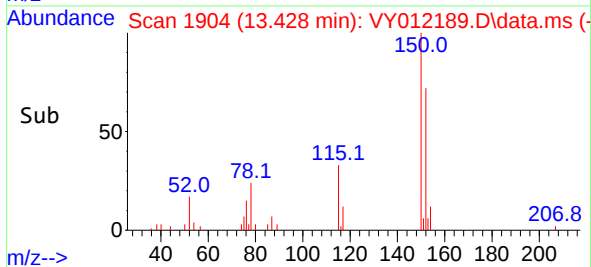
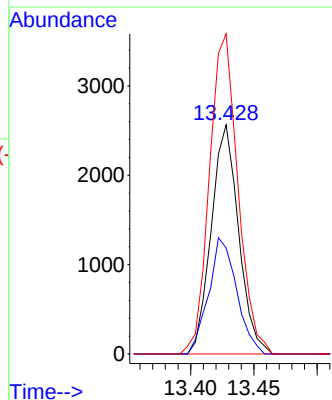
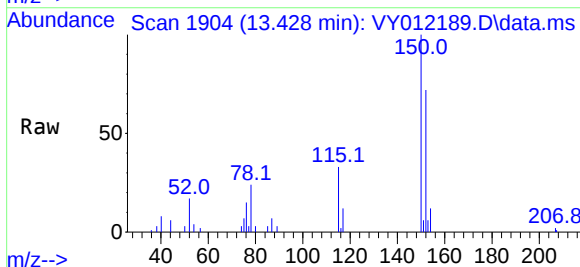
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

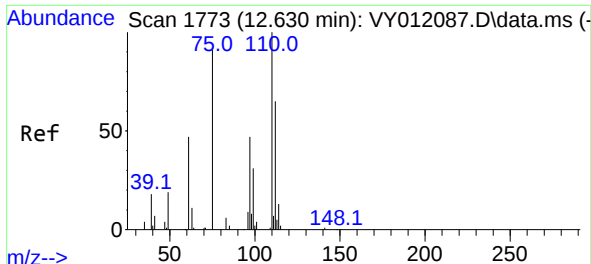
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 9635        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 54.6  | 44.8 67.2   |
| 119         | 33.4  | 25.4 38.2   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 3857        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 52.0  | 29.1 87.3   |
| 150         | 145.2 | 0.0 342.6   |

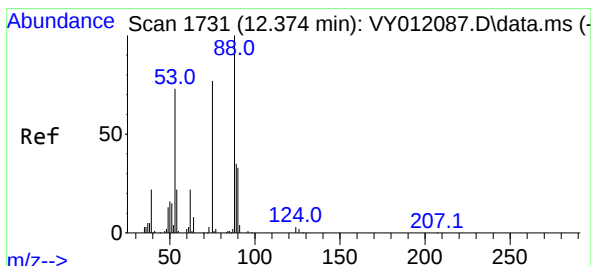
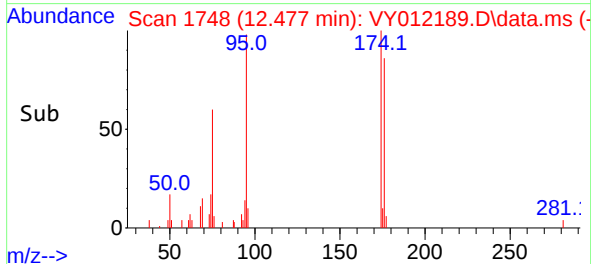
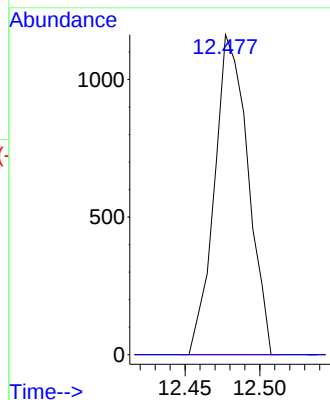
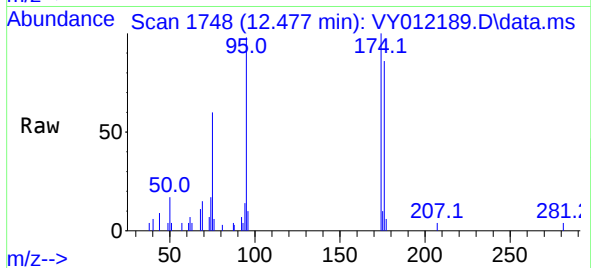




#76  
1,2,3-Trichloropropane  
Concen: 41.213 ug/l  
RT: 12.477 min Scan# 1773  
Delta R.T. -0.153 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOT-VOC-2RE

Tgt Ion: 75 Resp: 1815  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.528 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.103 min  
Lab File: VY012189.D  
Acq: 13 Jan 2023 13:51

Tgt Ion: 75 Resp: 1815  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

