

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120522\  
 Data File : VY011703.D  
 Acq On : 05 Dec 2022 17:49  
 Operator : KP/MD  
 Sample : N5870-04RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ML-4RE

Quant Time: Dec 06 00:37:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

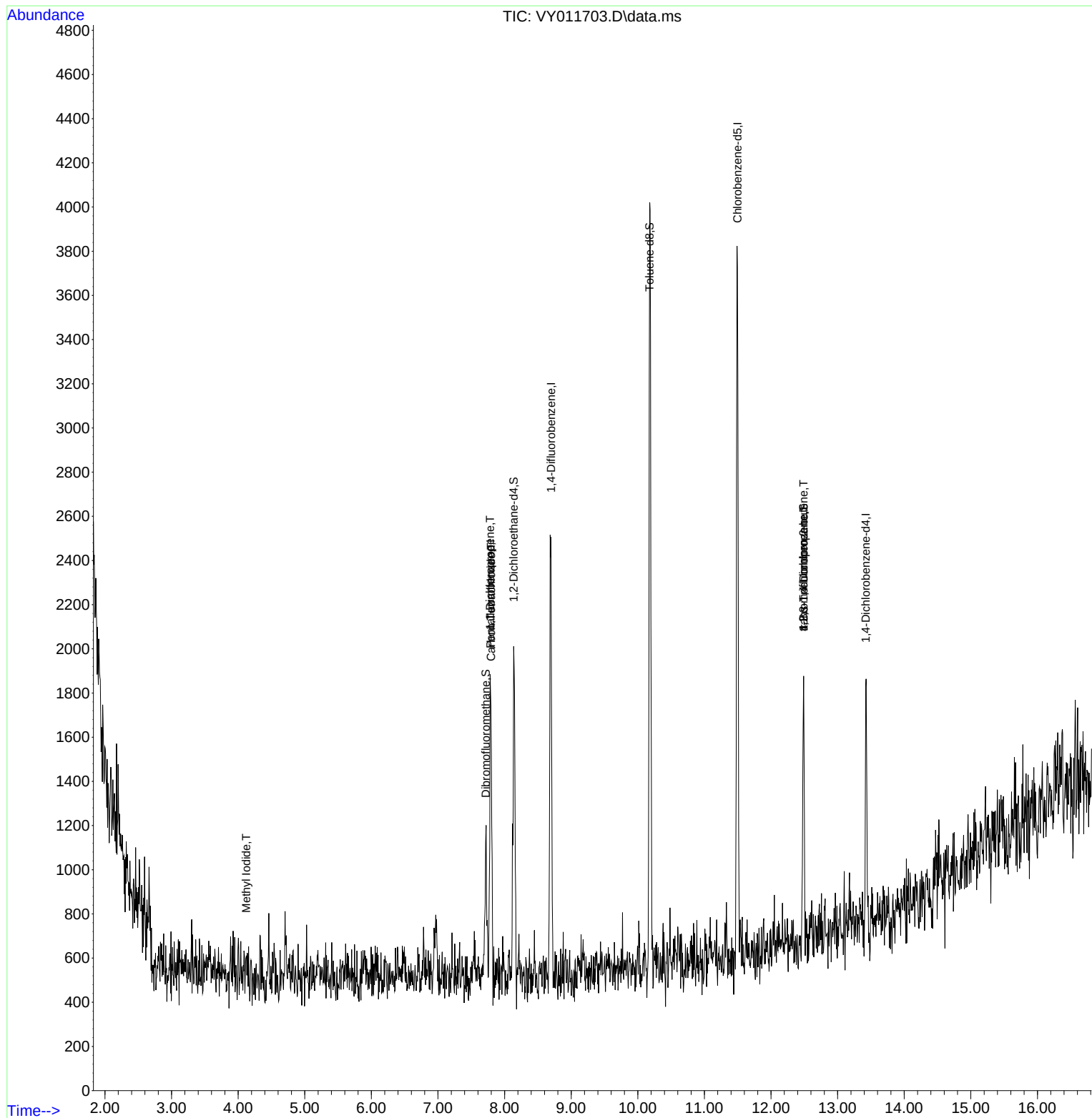
| Compound                      | R.T. QIon |       | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|-------------|----------|
| -----                         |           |       |          |           |             |          |
| Internal Standards            |           |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 1513     | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 2405     | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 2316     | 50.000    | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 349      | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 1286     | 83.708    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 167.420%# |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 553      | 37.352    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 74.700%   |          |
| 50) Toluene-d8                | 10.179    | 98    | 2787     | 51.803    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 103.600%  |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 500      | 25.136    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 50.280%   |          |
| Target Compounds              |           |       |          |           |             |          |
|                               |           |       |          |           | Qvalue      |          |
| 10) Methyl Iodide             | 4.119     | 142   | 99       | 5.854     | ug/l #      | 35       |
| 20) Methylene Chloride        | 4.716     | 84    | 134      | Below Cal | #           | 33       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 54       | 2.333     | ug/l #      | 42       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 135      | 5.214     | ug/l #      | 11       |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 234      | 62.259    | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 234      | 136.368   | ug/l #      | 7        |
| -----                         |           |       |          |           |             |          |

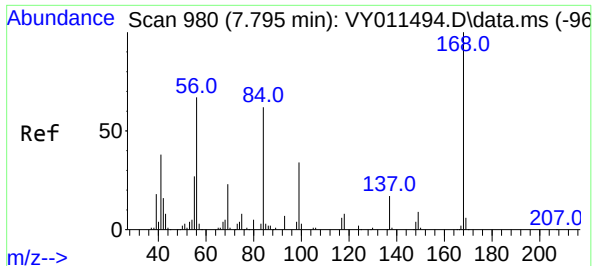
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120522\  
Data File : VY011703.D  
Acq On : 05 Dec 2022 17:49  
Operator : KP/MD  
Sample : N5870-04RE  
Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

Quant Time: Dec 06 00:37:45 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

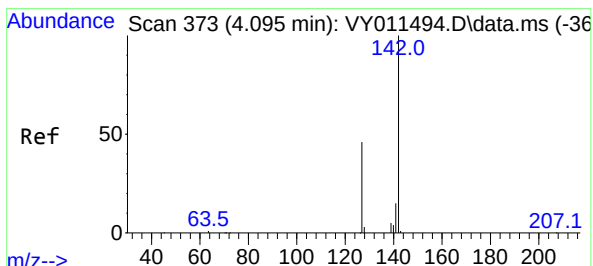
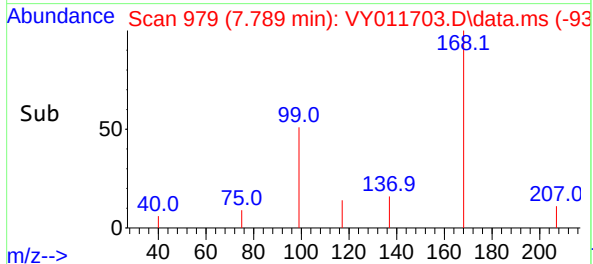
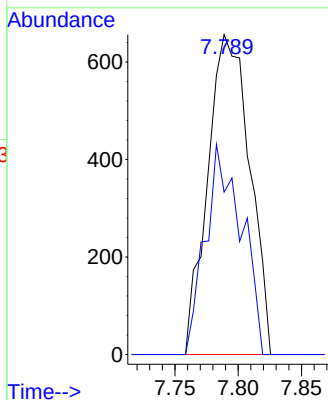
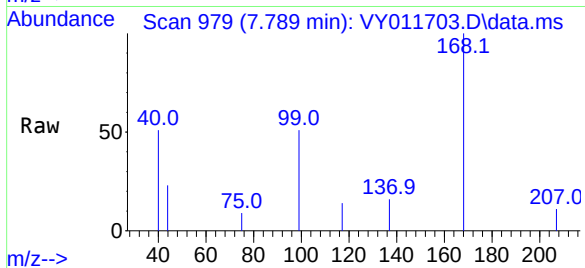




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

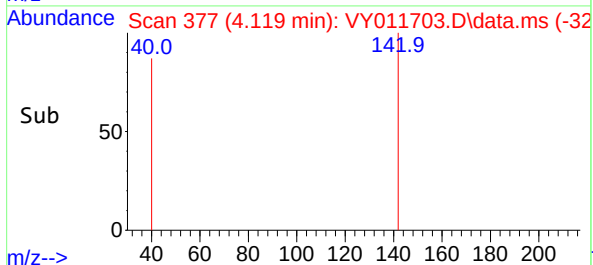
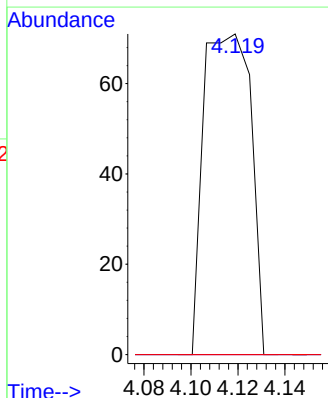
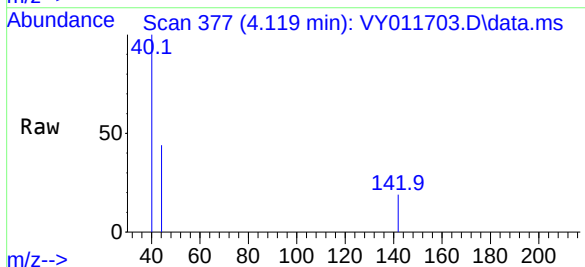
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

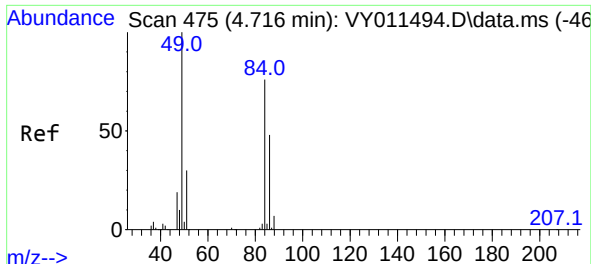
Tgt Ion:168 Resp: 1513  
Ion Ratio Lower Upper  
168 100  
99 50.8 46.9 70.3



#10  
Methyl Iodide  
Concen: 5.854 ug/l  
RT: 4.119 min Scan# 377  
Delta R.T. 0.024 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

Tgt Ion:142 Resp: 99  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

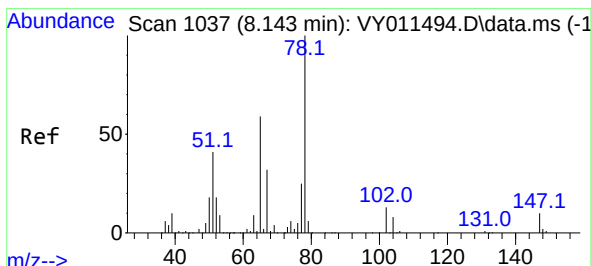
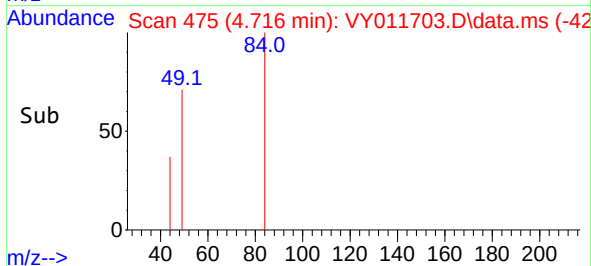
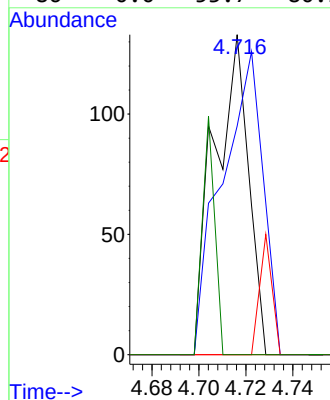
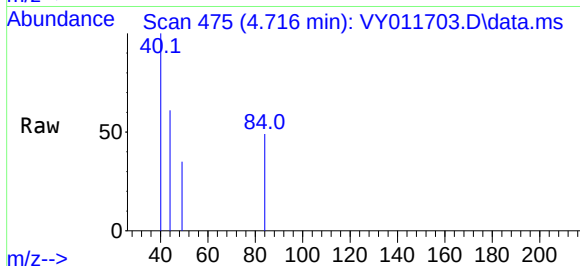




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

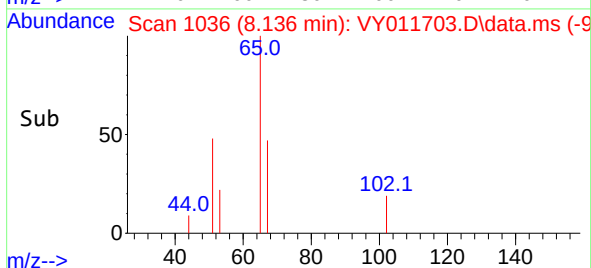
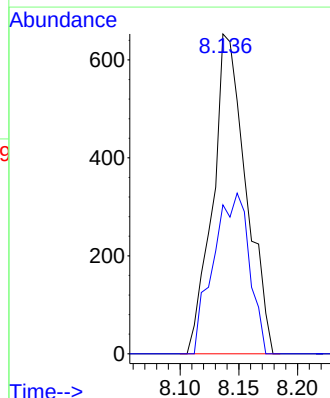
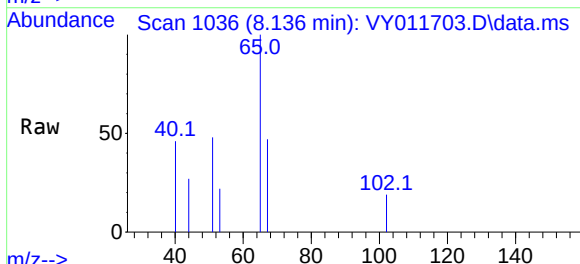
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

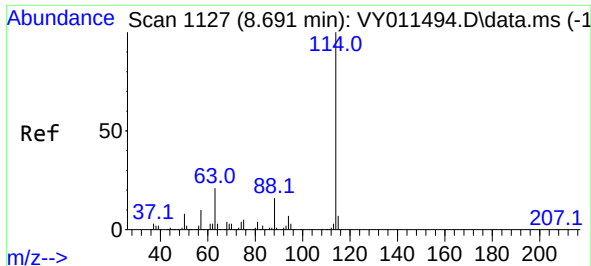
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 134    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 71.4  | 114.4 | 171.6# |
| 51       | 0.0   | 35.3  | 52.9#  |
| 86       | 0.0   | 53.7  | 80.5#  |



#33  
1,2-Dichloroethane-d4  
Concen: 83.708 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 1286  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.1  | 0.0   | 99.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011703.D

Acq: 05 Dec 2022 17:49

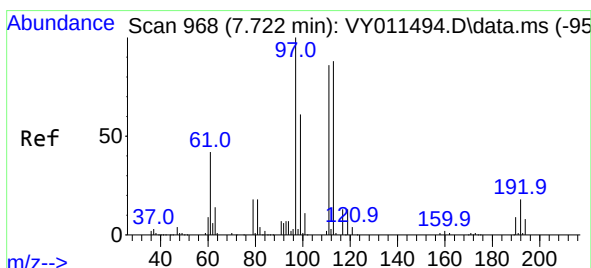
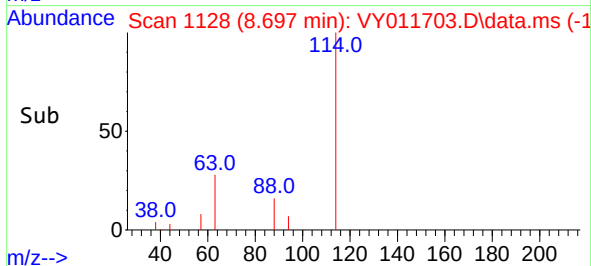
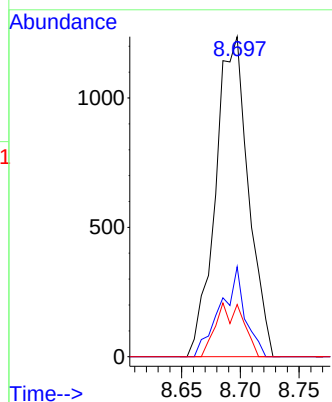
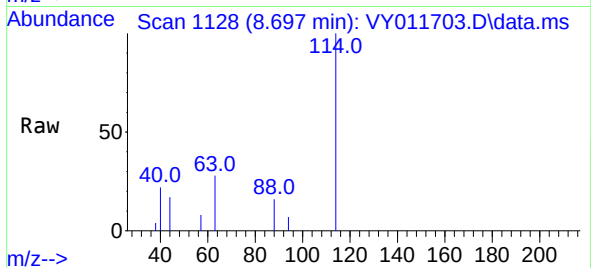
Instrument :

MSVOA\_Y

ClientSampleId :

ML-4RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 2405        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 28.1  | 0.0 43.2    |
| 88          | 16.3  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 37.352 ug/l

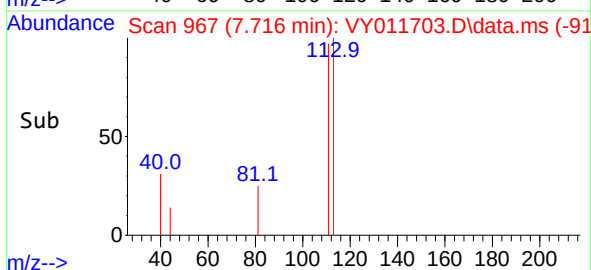
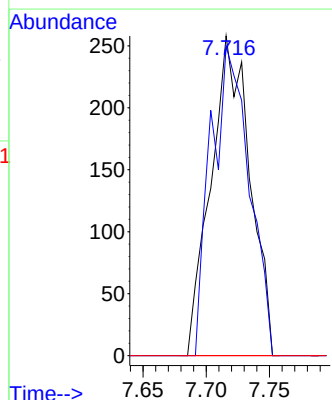
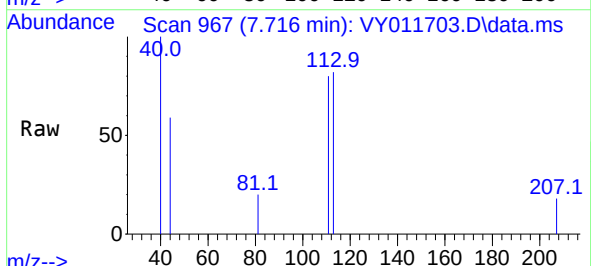
RT: 7.716 min Scan# 967

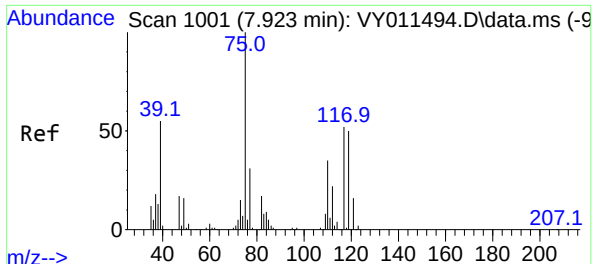
Delta R.T. -0.006 min

Lab File: VY011703.D

Acq: 05 Dec 2022 17:49

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 553         |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 95.5  | 82.6 124.0  |
| 192         | 0.0   | 17.6 26.4   |





#36

1,1-Dichloropropene

Concen: 2.333 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY011703.D

Acq: 05 Dec 2022 17:49

Instrument :

MSVOA\_Y

ClientSampleId :

ML-4RE

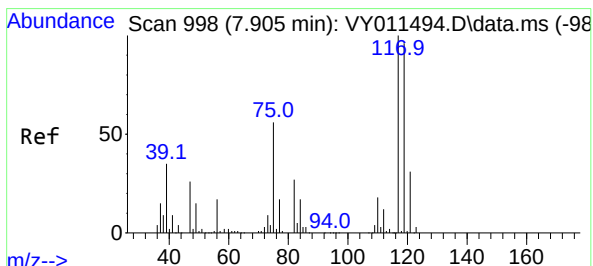
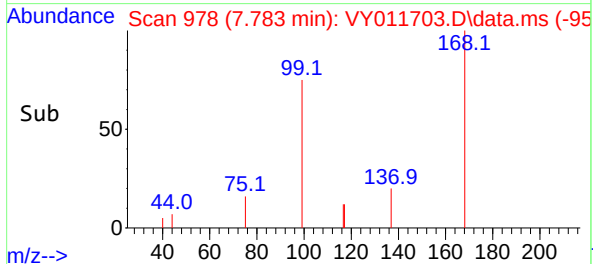
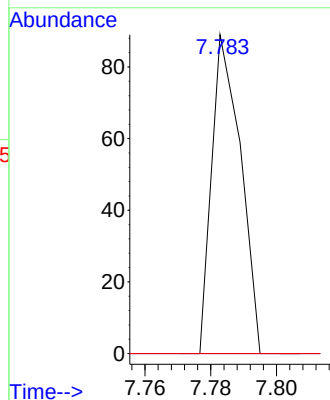
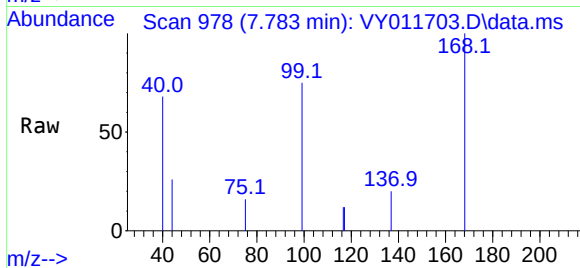
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.214 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY011703.D

Acq: 05 Dec 2022 17:49

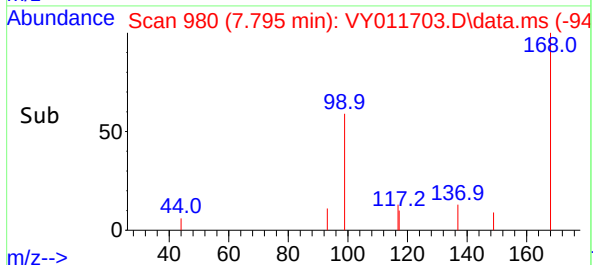
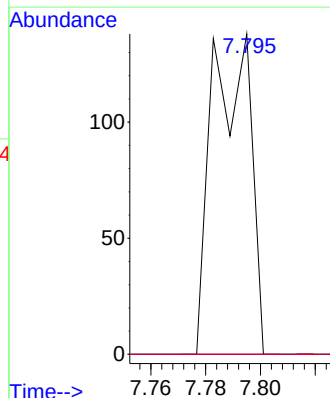
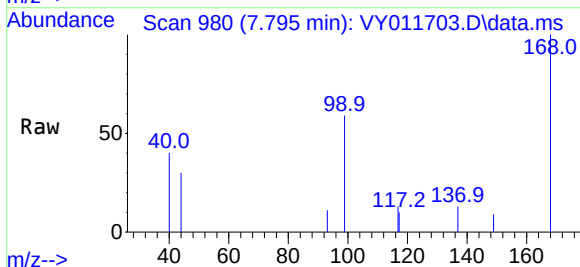
Tgt Ion: 117 Resp: 135

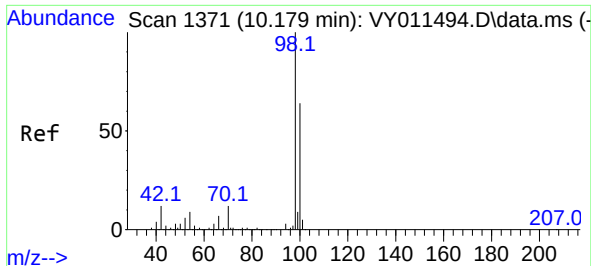
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

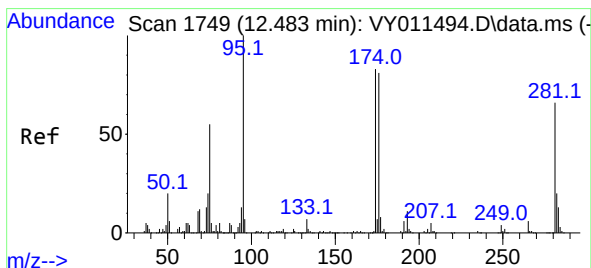
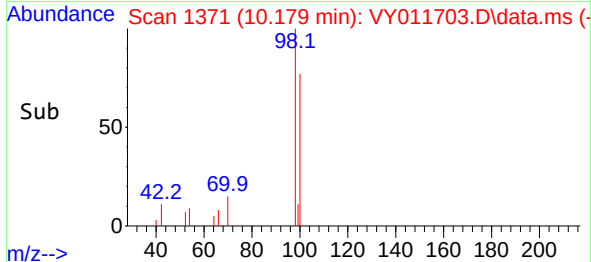
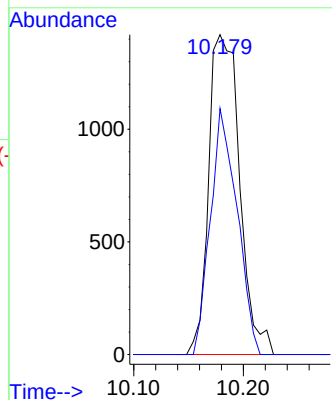
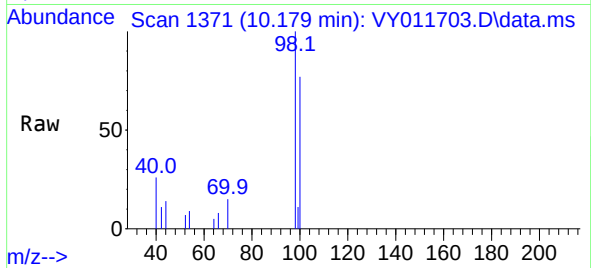




#50  
Toluene-d8  
Concen: 51.803 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

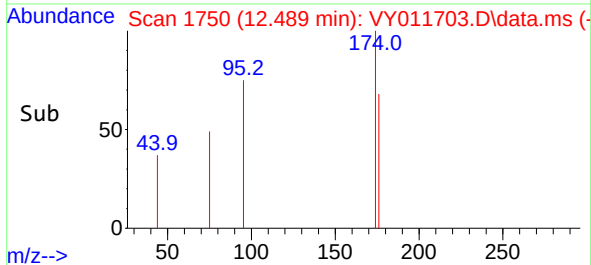
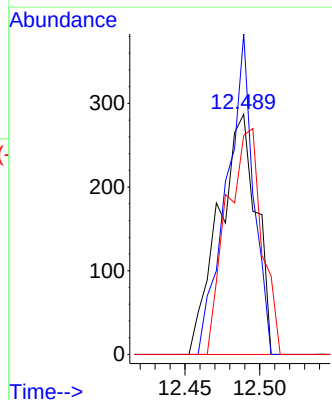
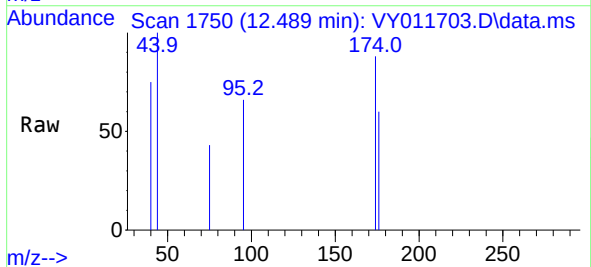
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

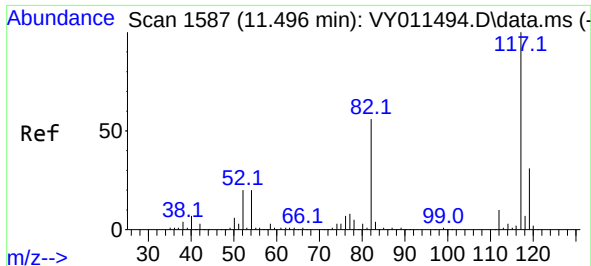
Tgt Ion: 98 Resp: 2787  
Ion Ratio Lower Upper  
98 100  
100 66.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 25.136 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

Tgt Ion: 95 Resp: 500  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 177.0  
176 88.0 0.0 175.8

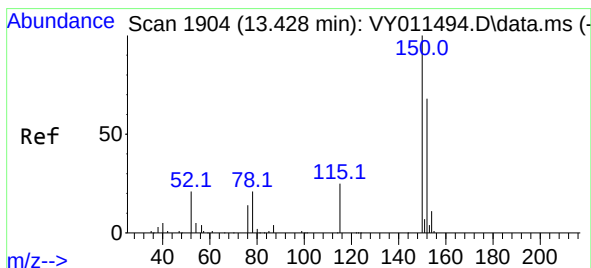
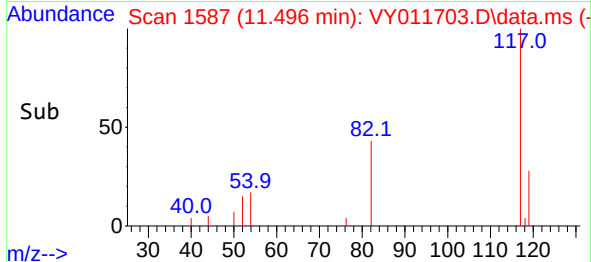
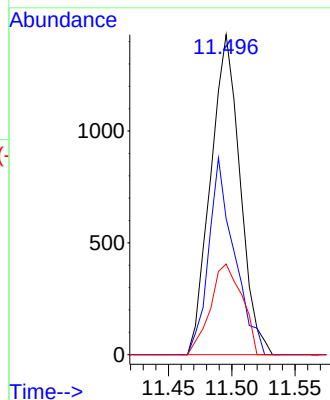
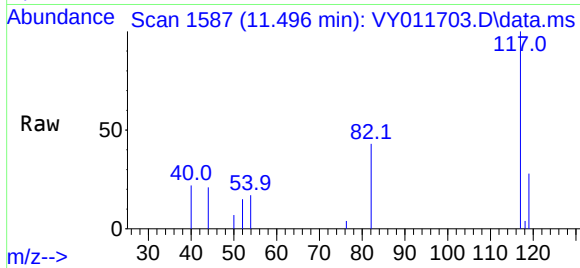




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

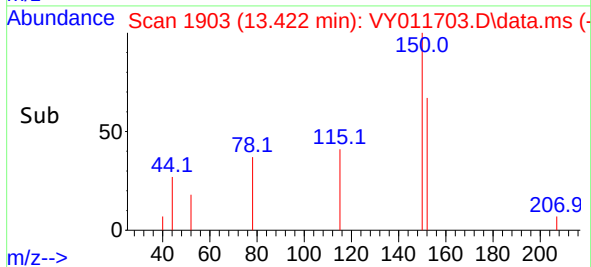
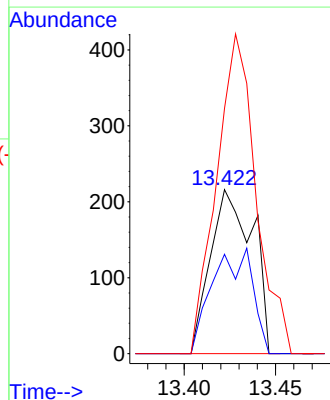
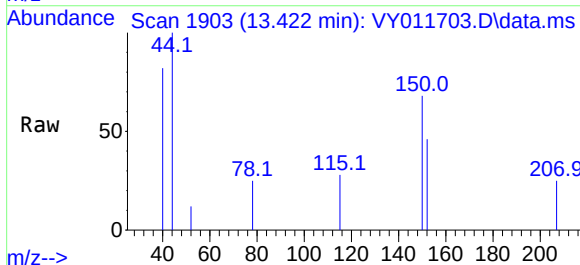
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

Tgt Ion:117 Resp: 2316  
Ion Ratio Lower Upper  
117 100  
82 42.6 43.0 64.4#  
119 28.4 25.4 38.0

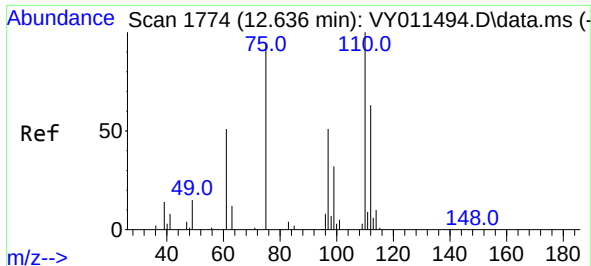


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

Tgt Ion:152 Resp: 349  
Ion Ratio Lower Upper  
152 100  
115 60.5 28.2 84.7  
150 181.4 0.0 347.6



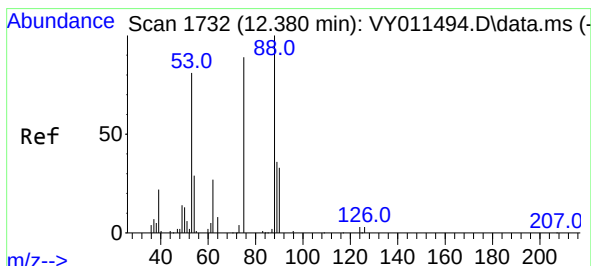
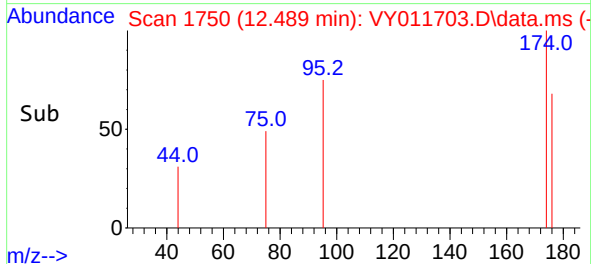
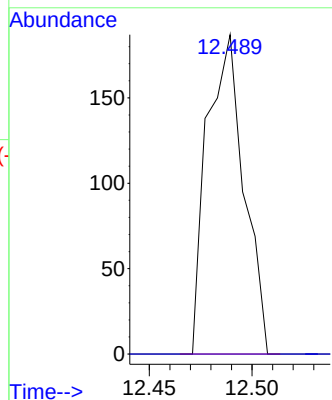
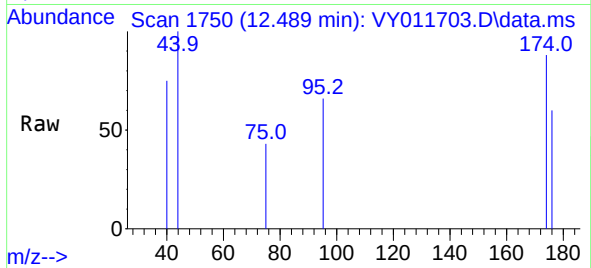




#76  
1,2,3-Trichloropropane  
Concen: 62.259 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.147 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ML-4RE

Tgt Ion: 75 Resp: 234  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 136.368 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.109 min  
Lab File: VY011703.D  
Acq: 05 Dec 2022 17:49

Tgt Ion: 75 Resp: 234  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

