

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062223\  
 Data File : VY014387.D  
 Acq On : 22 Jun 2023 18:22  
 Operator : KP/MD  
 Sample : 03321-01RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-25

Quant Time: Jun 23 05:01:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

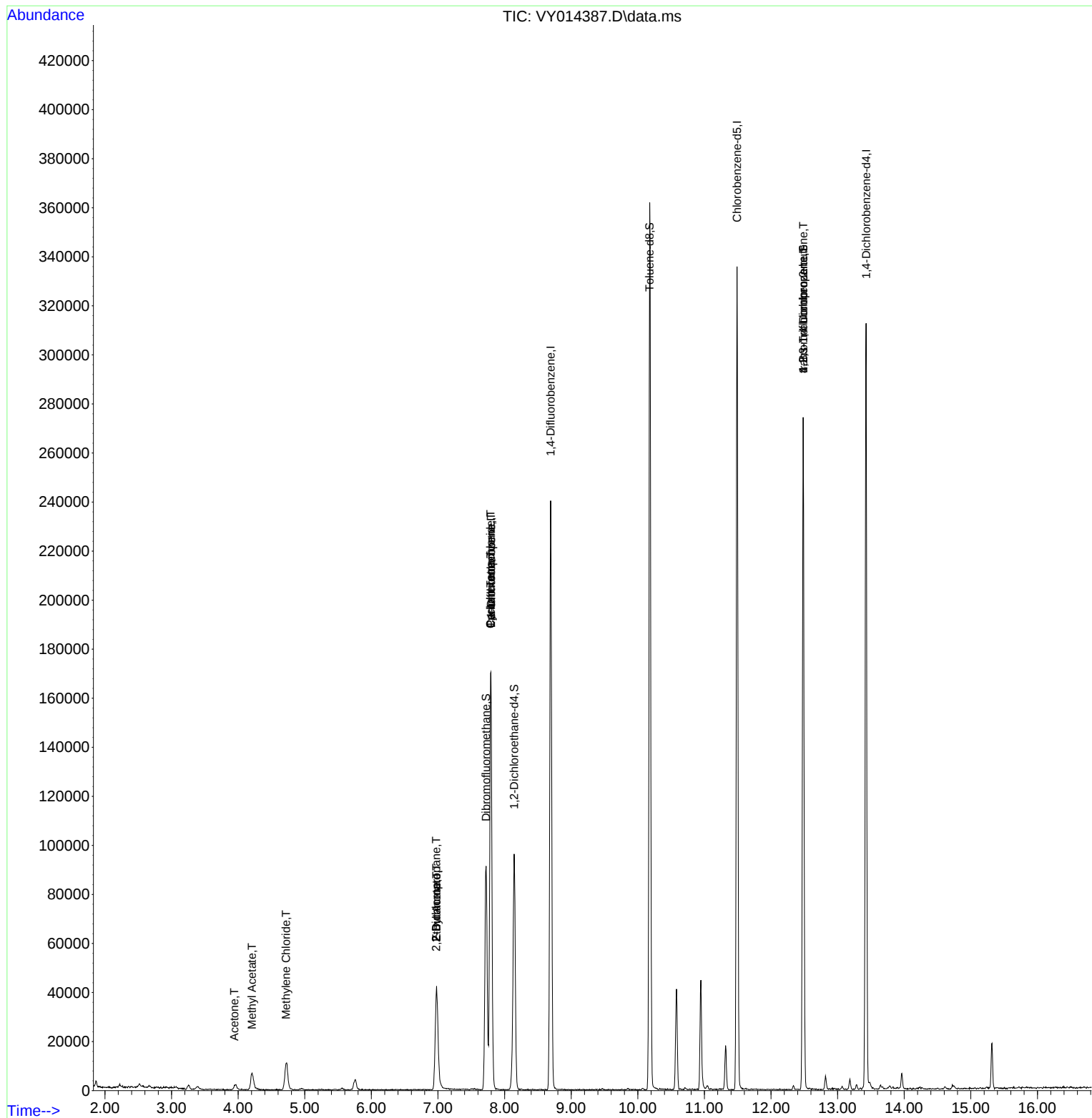
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 135557   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 200917   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 180414   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 83176    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 79630    | 42.185    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 84.360%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 62803    | 44.077    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 88.160%  |
| 50) Toluene-d8                | 10.179 | 98    | 236401   | 44.378    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 88.760%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 70208    | 37.102    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 74.200%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.960  | 59    | 854      | Below Cal | #      | 89       |
| 16) Acetone                   | 3.942  | 43    | 3950     | 6.942     | ug/l   | 97       |
| 18) Methyl Acetate            | 4.204  | 43    | 2717     | 1.230     | ug/l # | 54       |
| 20) Methylene Chloride        | 4.716  | 84    | 8344     | 1.086     | ug/l # | 80       |
| 25) 2-Butanone                | 6.978  | 43    | 2403     | 3.431     | ug/l # | 72       |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 3242     | 1.114     | ug/l # | 54       |
| 31) Cyclohexane               | 7.789  | 56    | 2862     | 1.132     | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 9850     | 4.434     | ug/l # | 51       |
| 37) Ethyl Acetate             | 6.978  | 43    | 2403     | 1.568     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 13423    | 5.236     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 39189    | 35.912    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 39189    | 77.628    | ug/l # | 11       |
| -----                         |        |       |          |           |        |          |

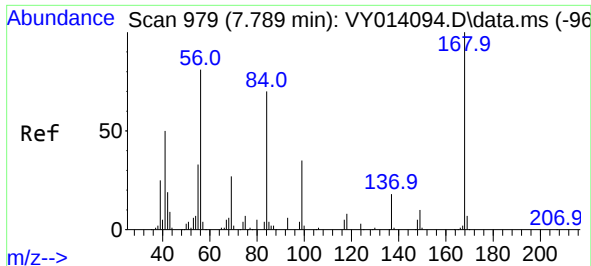
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062223\  
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Sample : 03321-01RE  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

Quant Time: Jun 23 05:01:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

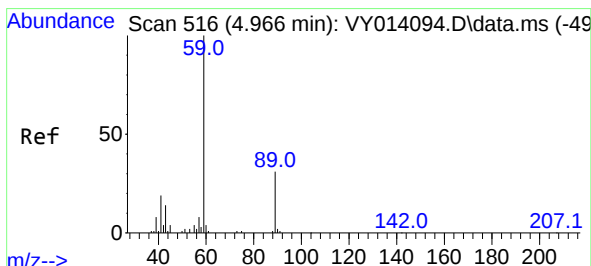
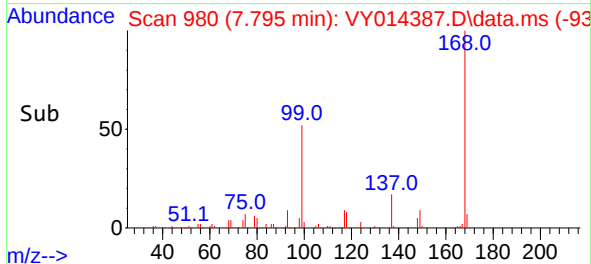
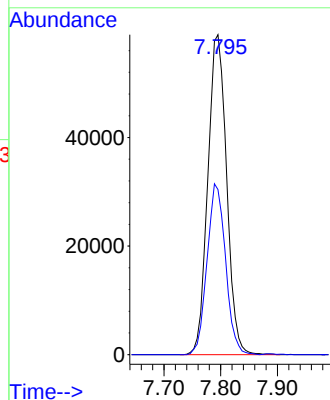
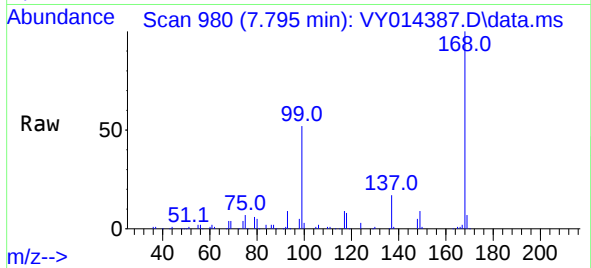




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

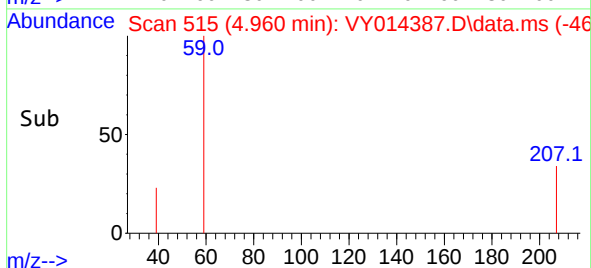
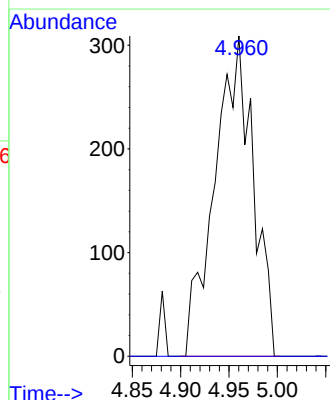
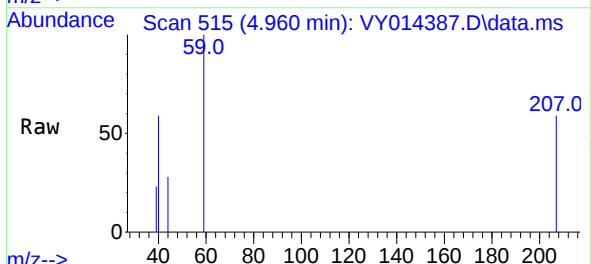
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

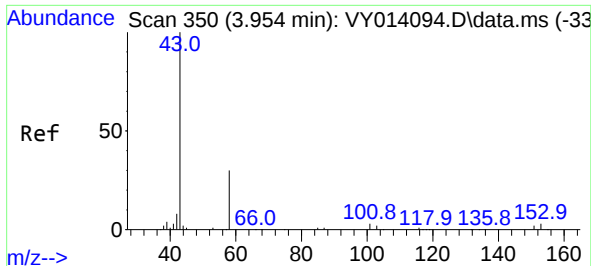
Tgt Ion:168 Resp: 135557  
Ion Ratio Lower Upper  
168 100  
99 51.6 43.4 65.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. -0.006 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 59 Resp: 854  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

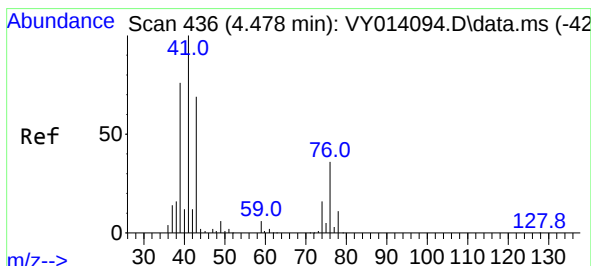
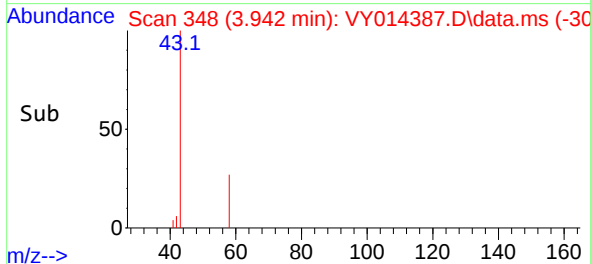
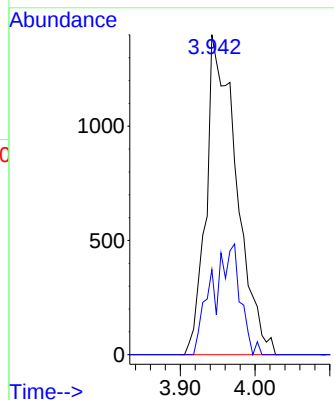
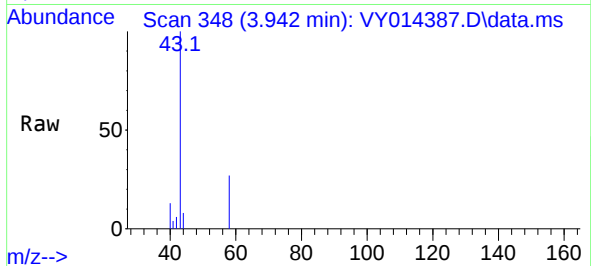




#16  
Acetone  
Concen: 6.942 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

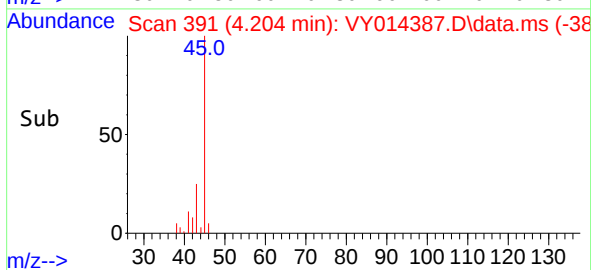
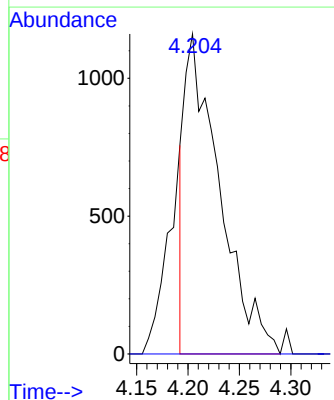
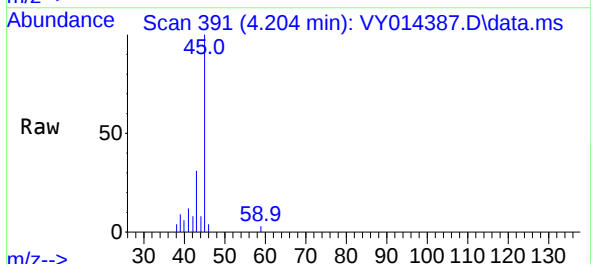
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

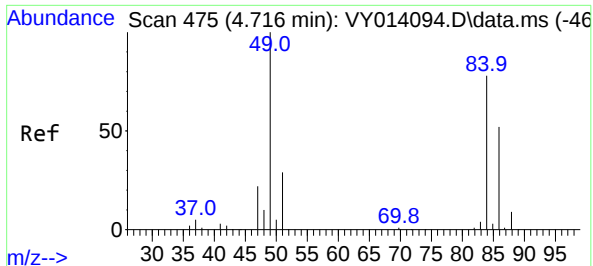
Tgt Ion: 43 Resp: 3950  
Ion Ratio Lower Upper  
43 100  
58 26.6 22.7 34.1



#18  
Methyl Acetate  
Concen: 1.230 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. -0.274 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 43 Resp: 2717  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.0#



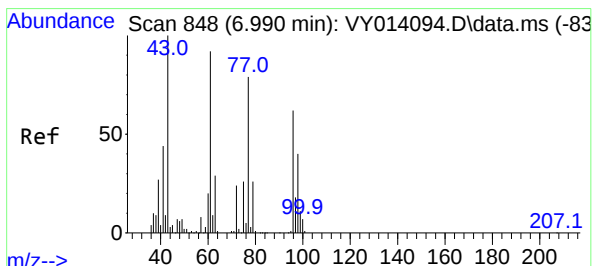
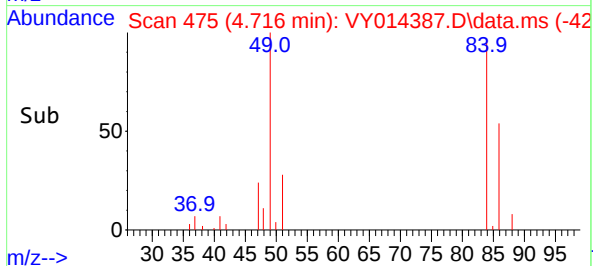
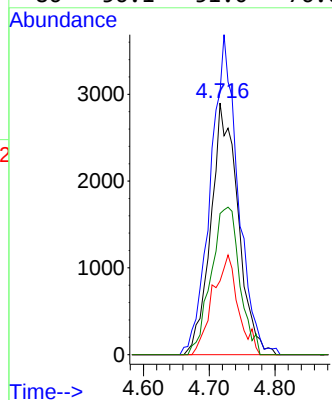
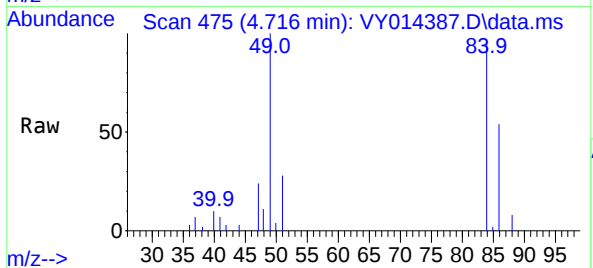


#20  
Methylene Chloride  
Concen: 1.086 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

Tgt Ion: 84 Resp: 8344

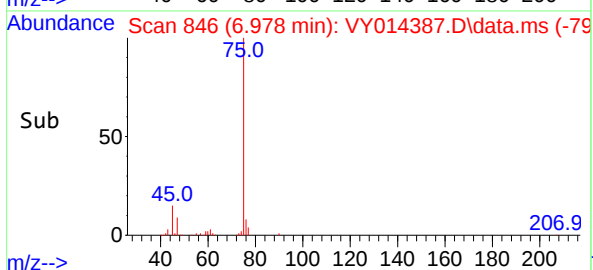
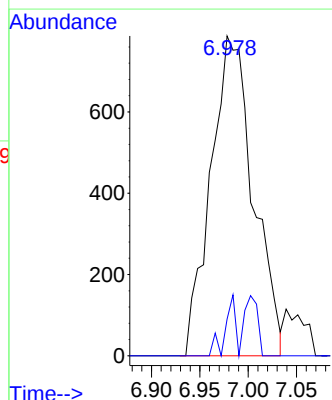
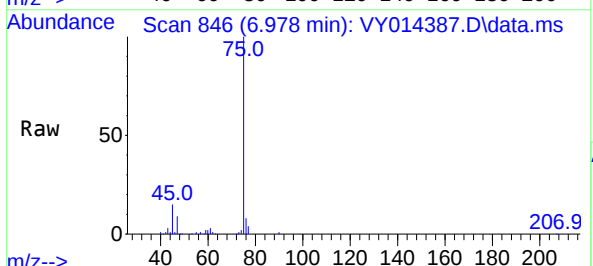
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 104.3 | 106.9 | 160.3# |
| 51  | 29.3  | 33.2  | 49.8#  |
| 86  | 56.1  | 51.0  | 76.6   |

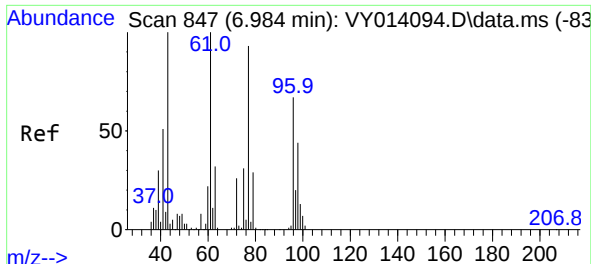


#25  
2-Butanone  
Concen: 3.431 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 43 Resp: 2403

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 11.4  | 20.5  | 30.7# |

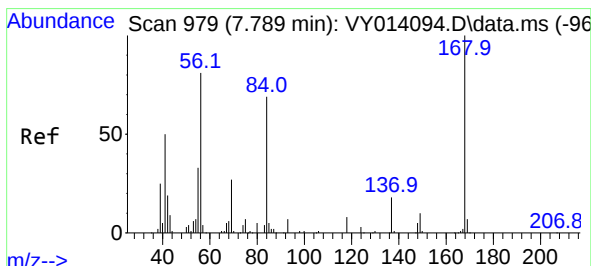
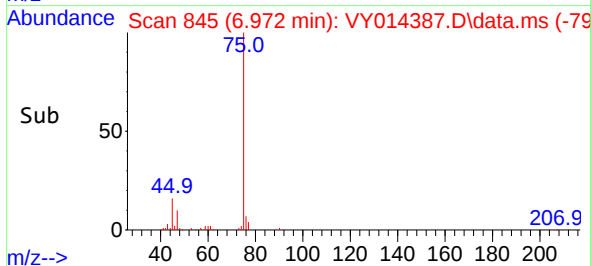
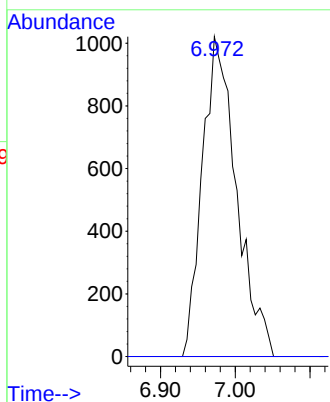
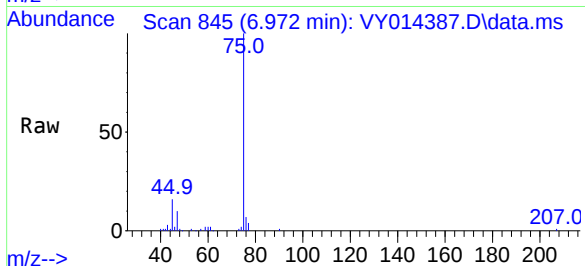




#26  
2,2-Dichloropropane  
Concen: 1.114 ug/l  
RT: 6.972 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

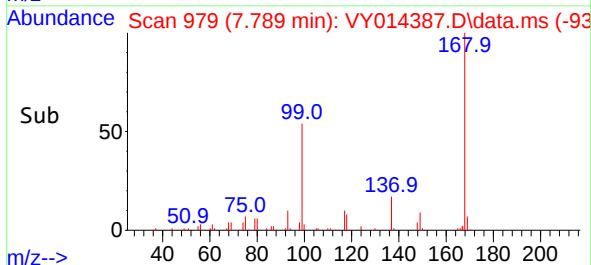
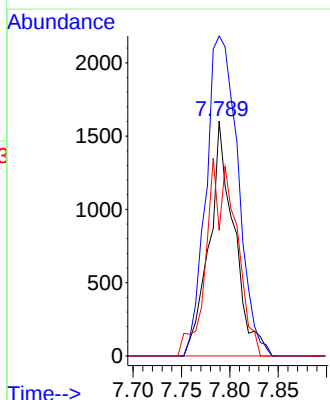
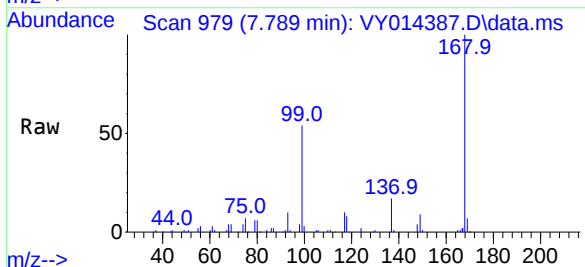
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

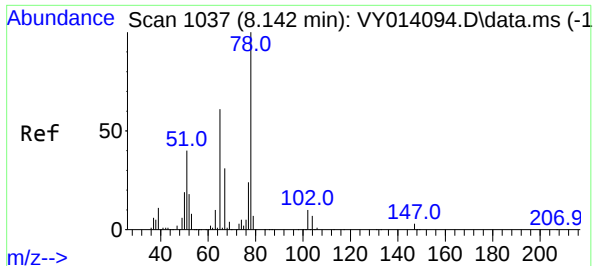
Tgt Ion: 77 Resp: 3242  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#31  
Cyclohexane  
Concen: 1.132 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 56 Resp: 2862  
Ion Ratio Lower Upper  
56 100  
69 136.3 27.8 41.6#  
84 53.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 42.185 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014387.D

Acq: 22 Jun 2023 18:22

Instrument :

MSVOA\_Y

ClientSampleId :

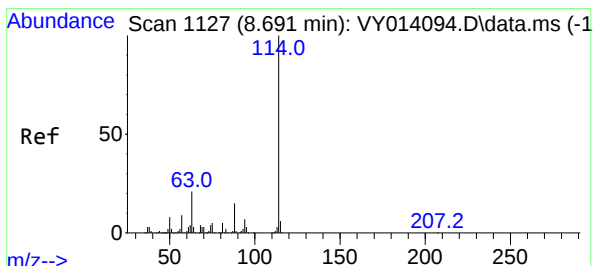
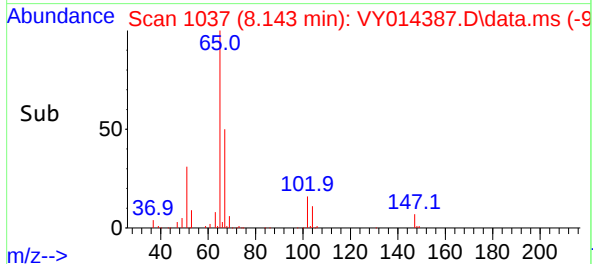
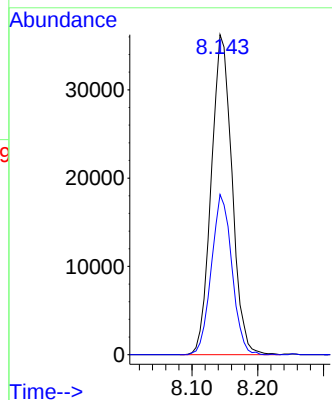
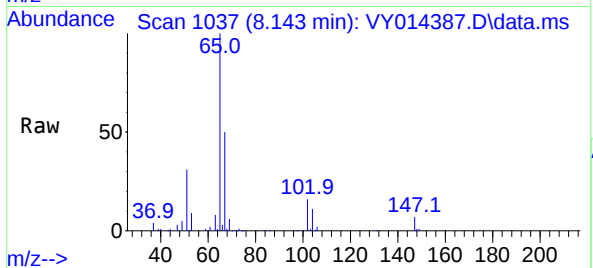
WC-25

Tgt Ion: 65 Resp: 79630

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014387.D

Acq: 22 Jun 2023 18:22

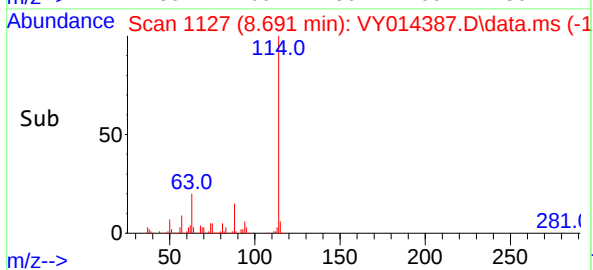
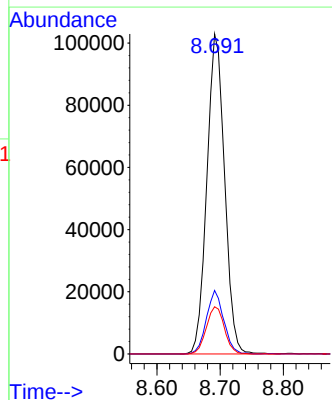
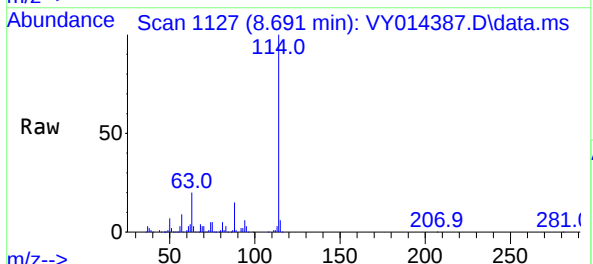
Tgt Ion:114 Resp: 200917

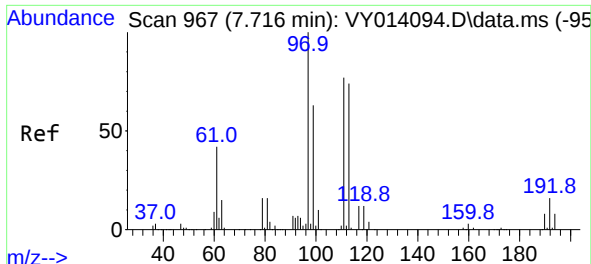
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 14.8 0.0 30.6

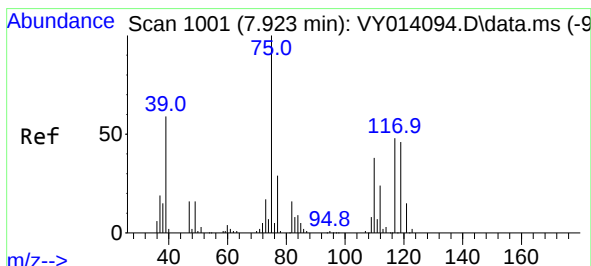
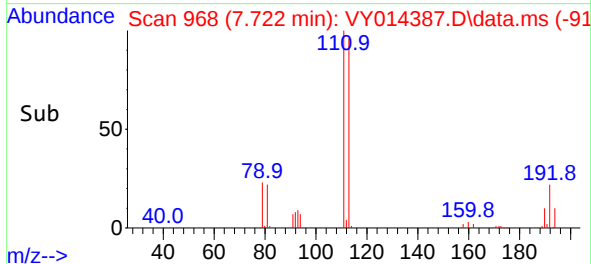
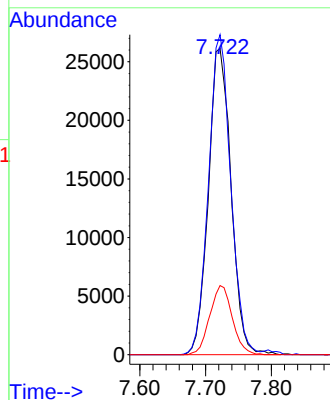
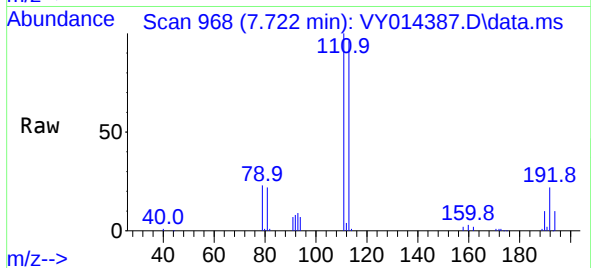




#35  
Dibromofluoromethane  
Concen: 44.077 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

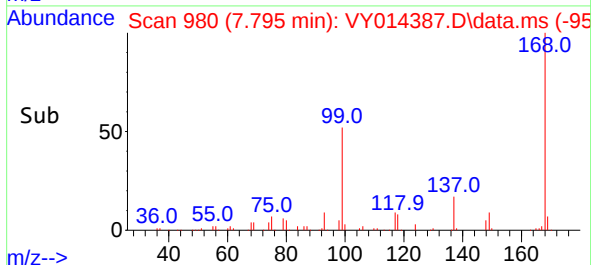
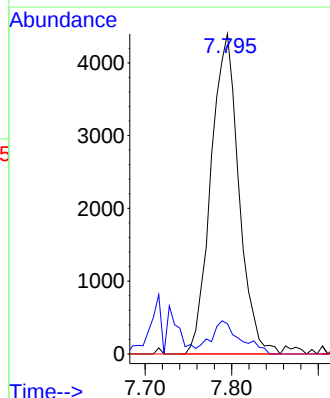
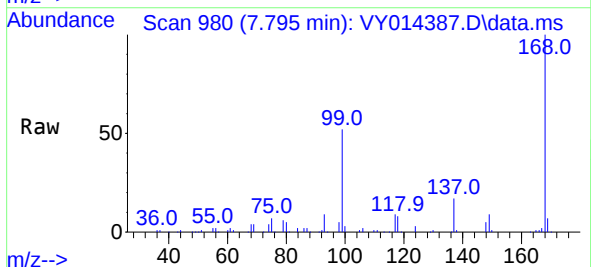
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

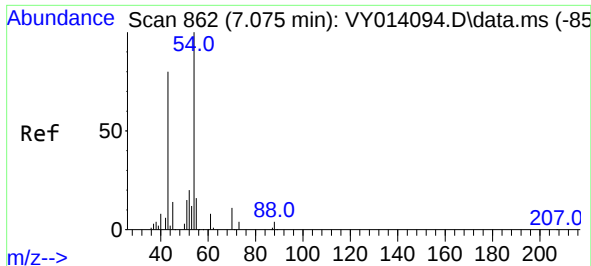
Tgt Ion:113 Resp: 62803  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.3 121.9  
192 22.4 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.434 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 75 Resp: 9850  
Ion Ratio Lower Upper  
75 100  
110 10.8 17.8 53.5#  
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.568 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY014387.D

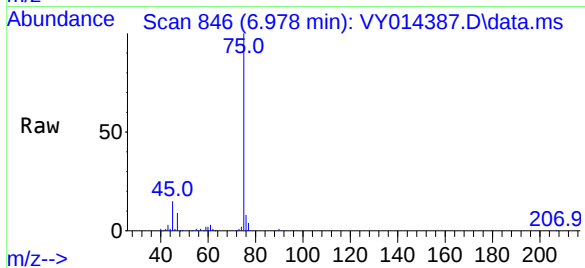
Acq: 22 Jun 2023 18:22

Instrument :

MSVOA\_Y

ClientSampleId :

WC-25



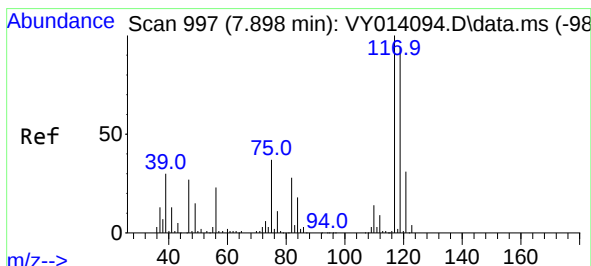
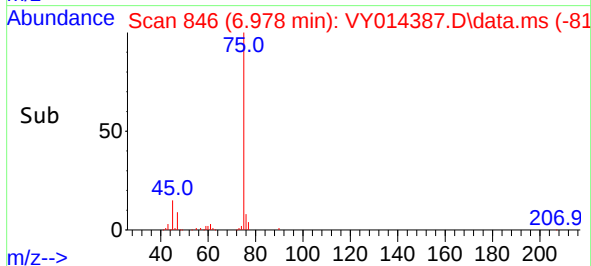
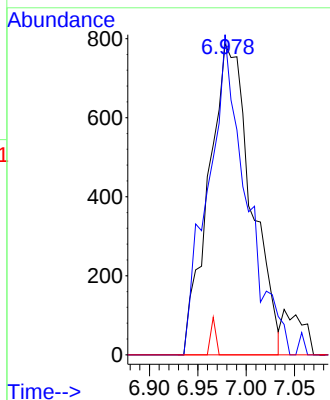
Tgt Ion: 43 Resp: 2403

Ion Ratio Lower Upper

43 100

61 92.7 10.1 15.1#

70 1.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.236 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014387.D

Acq: 22 Jun 2023 18:22

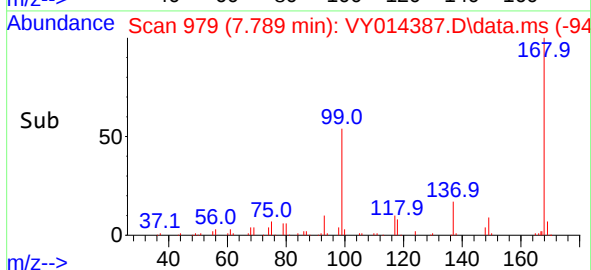
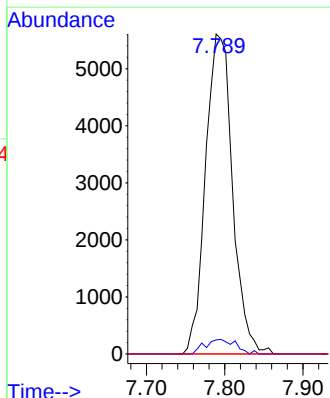
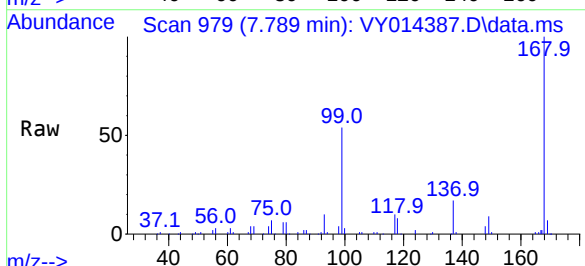
Tgt Ion: 117 Resp: 13423

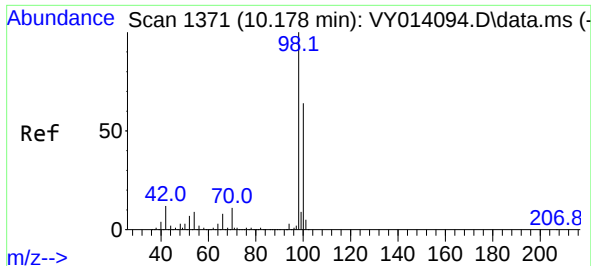
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

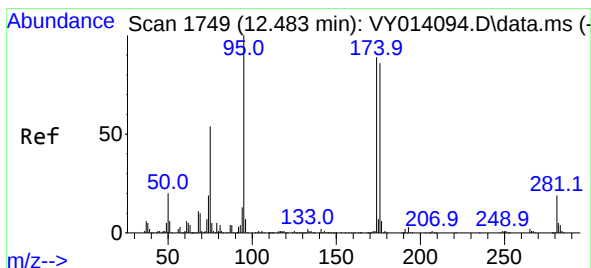
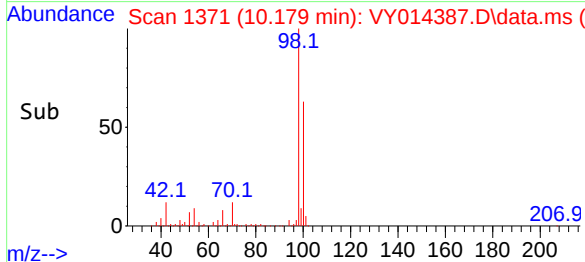
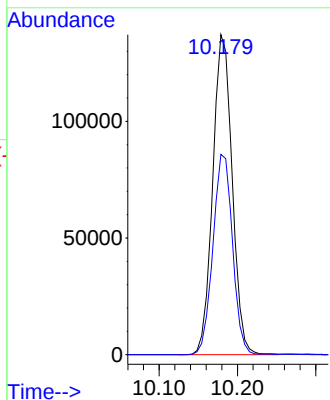
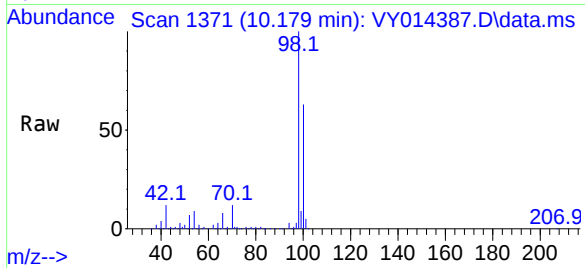




#50  
Toluene-d8  
Concen: 44.378 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

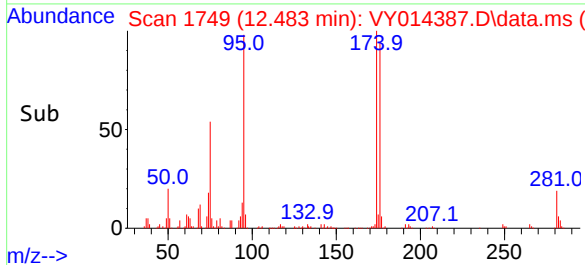
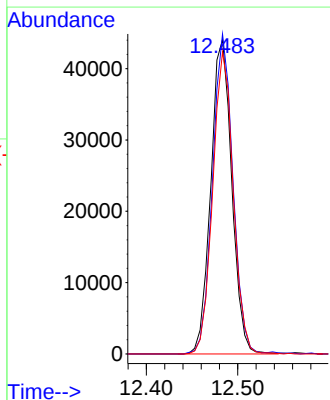
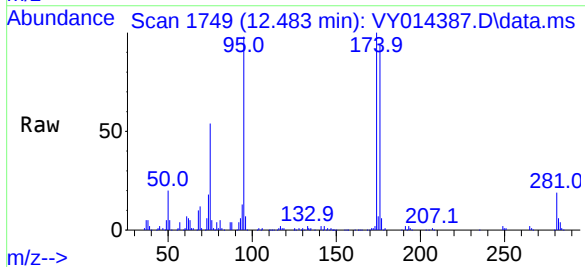
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

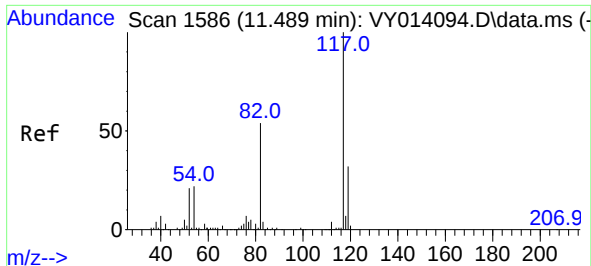
Tgt Ion: 98 Resp: 236401  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 37.102 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 95 Resp: 70208  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 178.2  
176 94.0 0.0 173.8

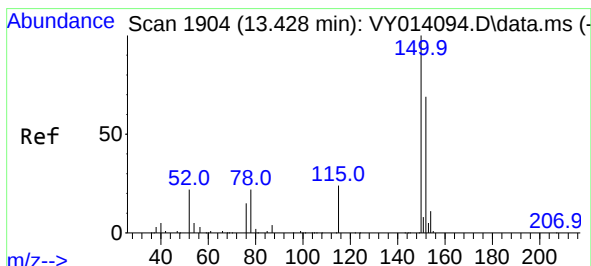
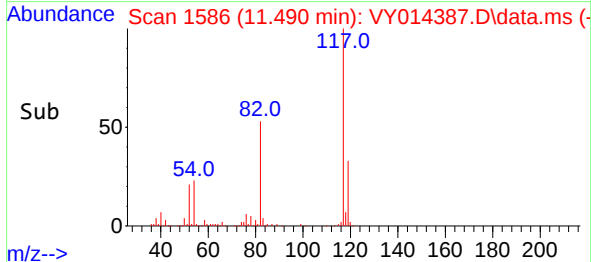
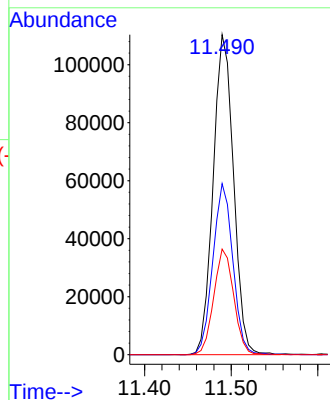
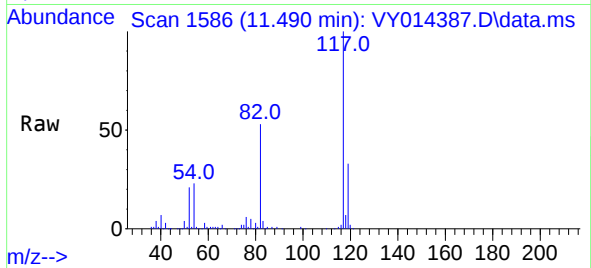




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

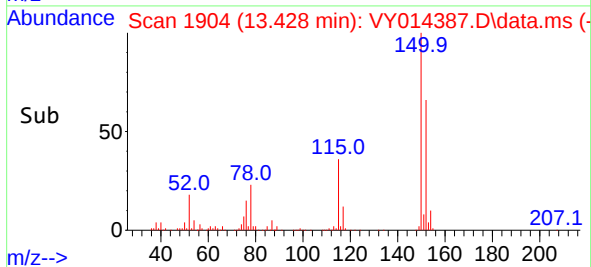
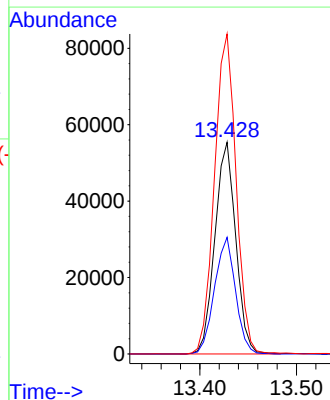
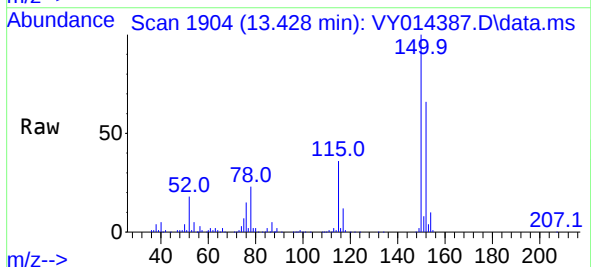
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

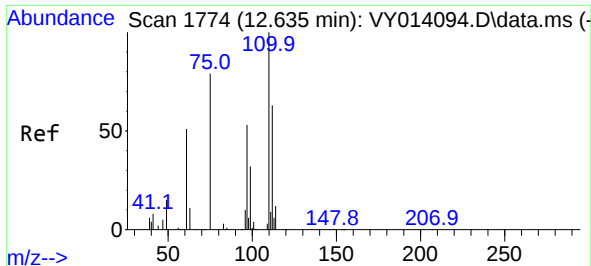
Tgt Ion:117 Resp: 180414  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.4 65.0  
119 33.0 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion:152 Resp: 83176  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.8 86.5  
150 156.2 0.0 348.8

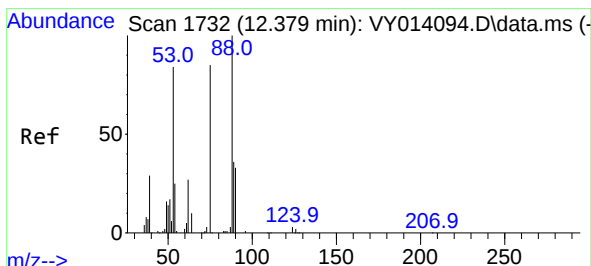
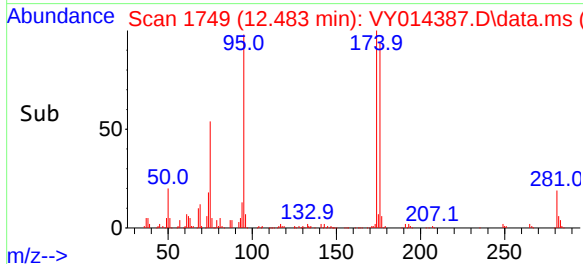
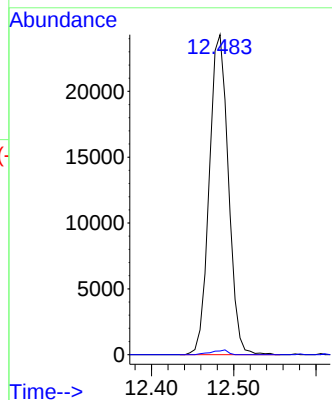
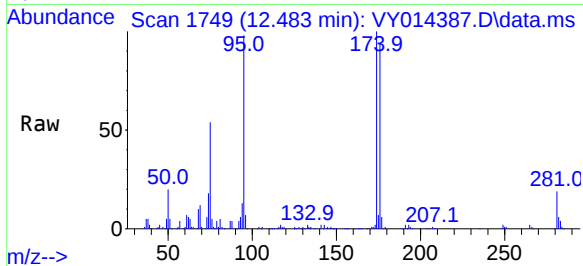




#76  
1,2,3-Trichloropropane  
Concen: 35.912 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-25

Tgt Ion: 75 Resp: 39189  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.628 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY014387.D  
Acq: 22 Jun 2023 18:22

Tgt Ion: 75 Resp: 39189  
Ion Ratio Lower Upper  
75 100  
53 0.1 77.8 116.8#  
89 0.3 37.4 56.0#

