

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070523\  
 Data File : VY014554.D  
 Acq On : 05 Jul 2023 13:30  
 Operator : KP/MD  
 Sample : VY0703SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0703SBL01

Quant Time: Jul 05 13:43:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

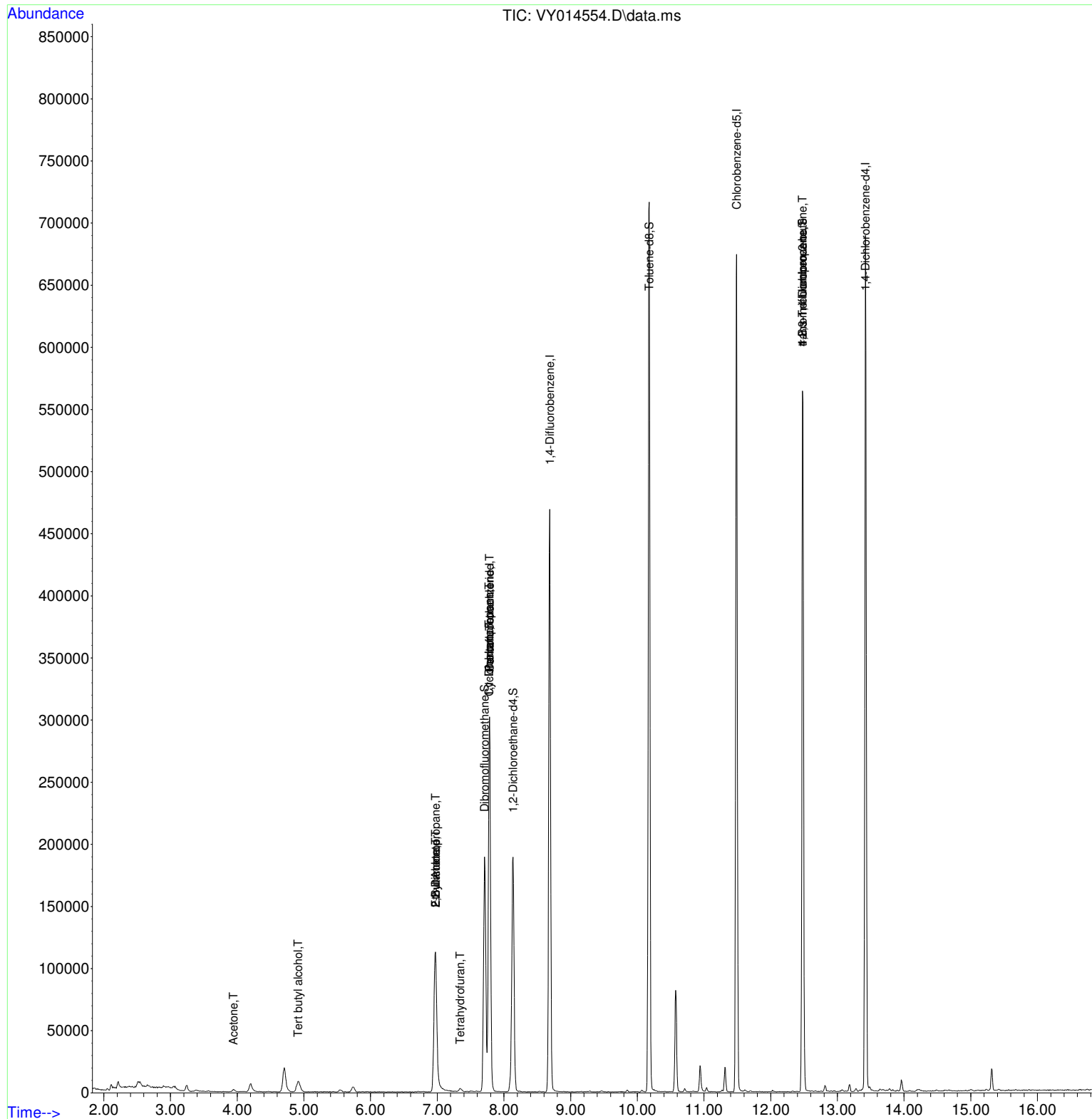
| Compound                      | R.T.   | QIon           | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|---------|----------|
| -----                         |        |                |          |           |         |          |
| Internal Standards            |        |                |          |           |         |          |
| 1) Pentafluorobenzene         | 7.783  | 168            | 252535   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114            | 408273   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117            | 395091   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152            | 185837   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65             | 148506   | 59.11     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | =         | 118.22% |          |
| 35) Dibromofluoromethane      | 7.710  | 113            | 134434   | 53.47     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | =         | 106.94% |          |
| 50) Toluene-d8                | 10.179 | 98             | 491823   | 49.49     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 134 | Recovery | =         | 98.98%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95             | 161266   | 46.73     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 30 - 143 | Recovery | =         | 93.46%  |          |
| Target Compounds              |        |                |          |           |         |          |
|                               |        |                |          |           | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.906  | 85             | 142      | Below Cal | #       | 43       |
| 11) Tert butyl alcohol        | 4.912  | 59             | 8978     | 1.43      | ug/l #  | 89       |
| 16) Acetone                   | 3.942  | 43             | 2983     | 3.80      | ug/l    | 98       |
| 25) 2-Butanone                | 6.972  | 43             | 7822     | 6.73      | ug/l #  | 89       |
| 26) 2,2-Dichloropropane       | 6.972  | 77             | 8790     | 2.23      | ug/l #  | 54       |
| 29) Tetrahydrofuran           | 7.344  | 42             | 1788     | 2.39      | ug/l    | 92       |
| 31) Cyclohexane               | 7.777  | 56             | 4445     | 1.13      | ug/l #  | 7        |
| 36) 1,1-Dichloropropene       | 7.777  | 75             | 17374    | 4.51      | ug/l #  | 49       |
| 37) Ethyl Acetate             | 6.972  | 43             | 7822     | 2.96      | ug/l #  | 1        |
| 38) Carbon Tetrachloride      | 7.783  | 117            | 21732    | 5.41      | ug/l #  | 18       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75             | 79840    | 36.61     | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75             | 79840    | 71.26     | ug/l #  | 11       |
| -----                         |        |                |          |           |         |          |

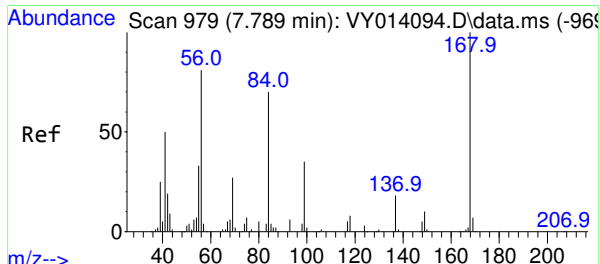
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070523\  
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Sample : VY0703SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration

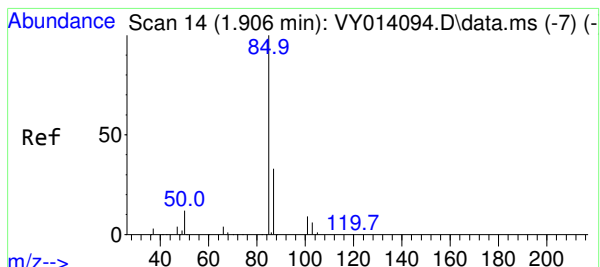
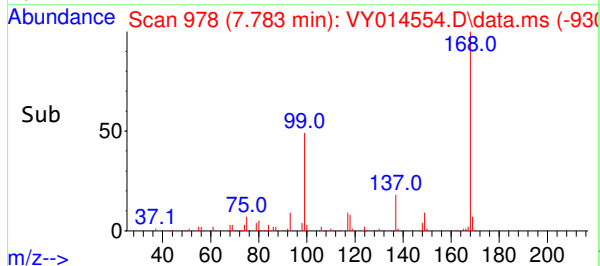
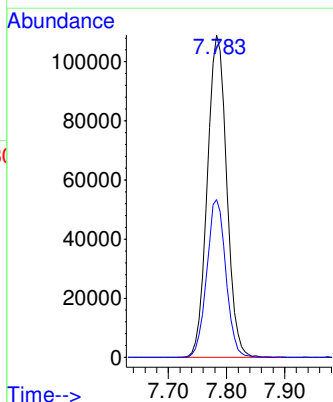
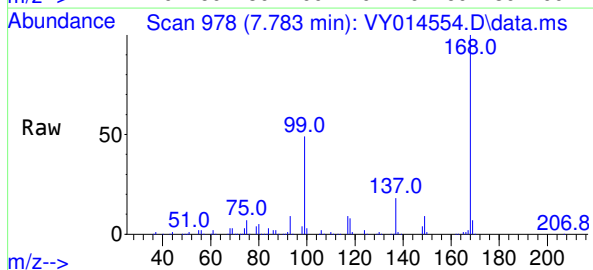




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.783 min Scan# 9  
Delta R.T. -0.006 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

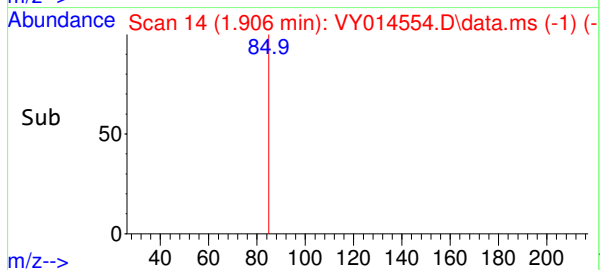
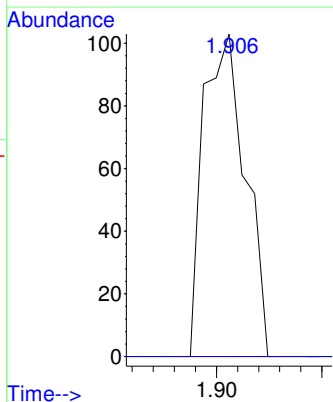
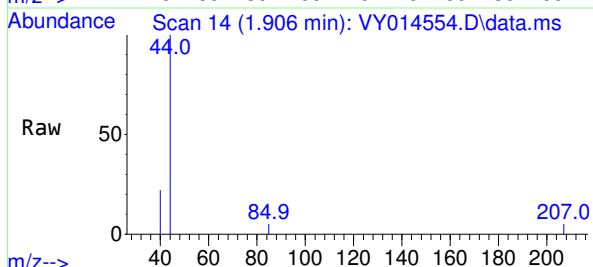
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

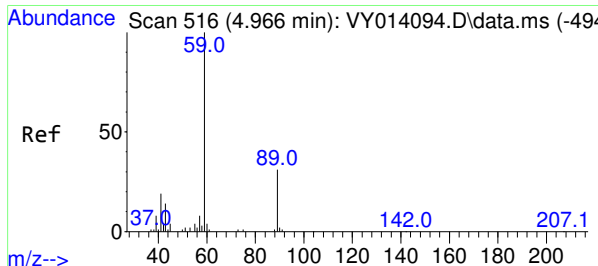
Tgt Ion:168 Resp: 252535  
Ion Ratio Lower Upper  
168 100  
99 48.9 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 85 Resp: 142  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.6 46.8#

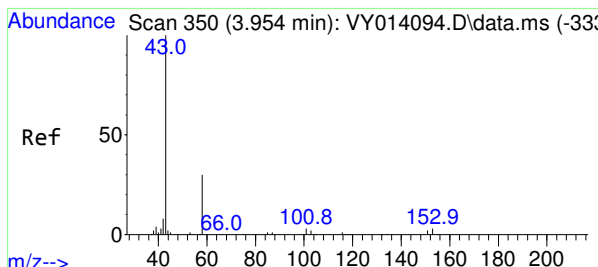
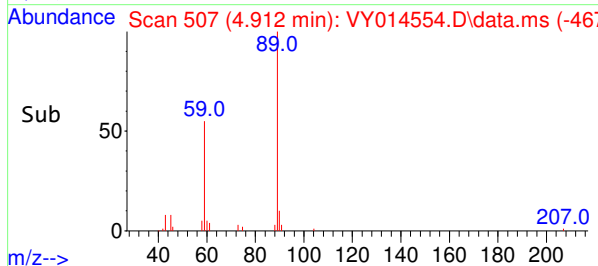
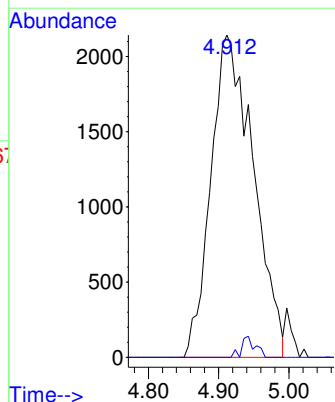
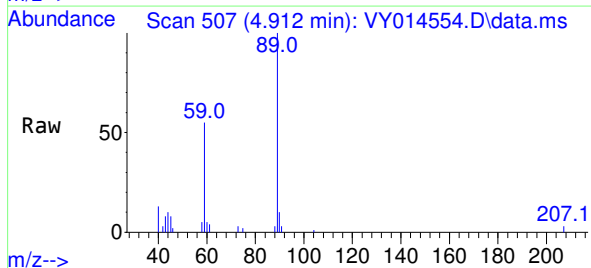




#11  
Tert butyl alcohol  
Concen: 1.43 ug/l  
RT: 4.912 min Scan# 516  
Delta R.T. -0.054 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

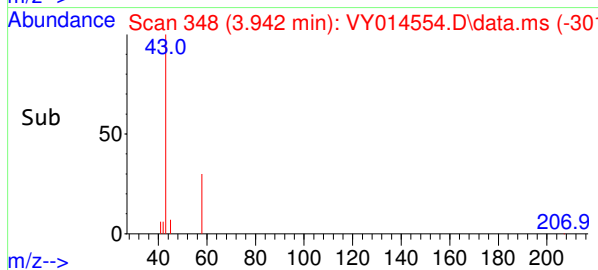
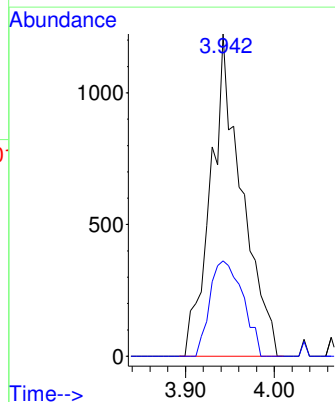
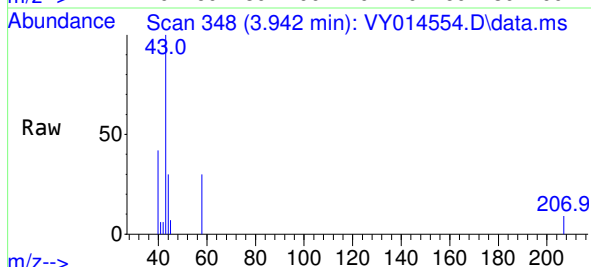
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

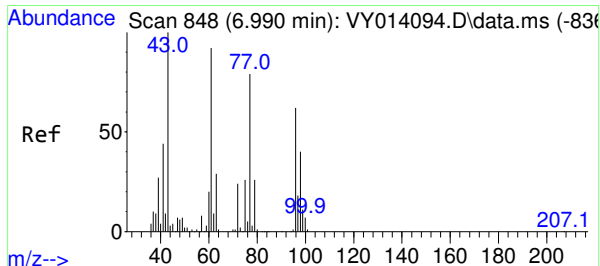
Tgt Ion: 59 Resp: 8978  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#



#16  
Acetone  
Concen: 3.80 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.012 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 43 Resp: 2983  
Ion Ratio Lower Upper  
43 100  
58 29.6 22.7 34.1

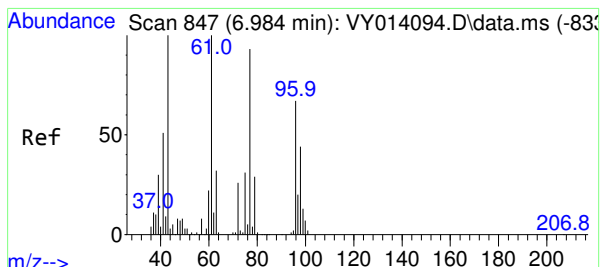
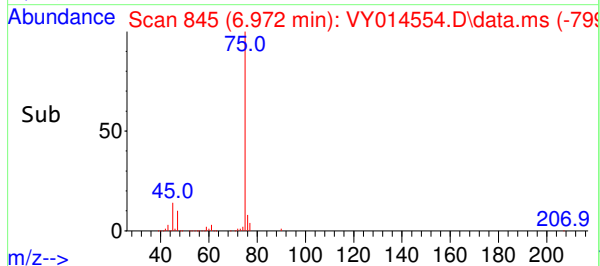
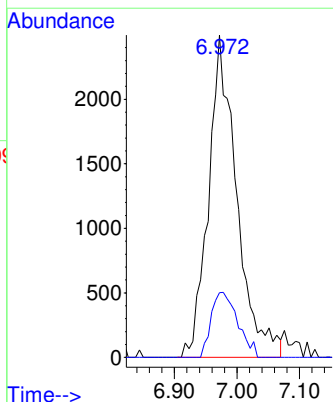
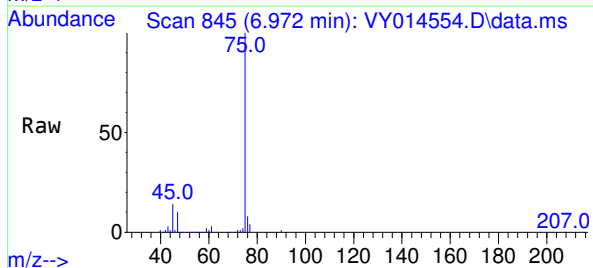




#25  
2-Butanone  
Concen: 6.73 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.018 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

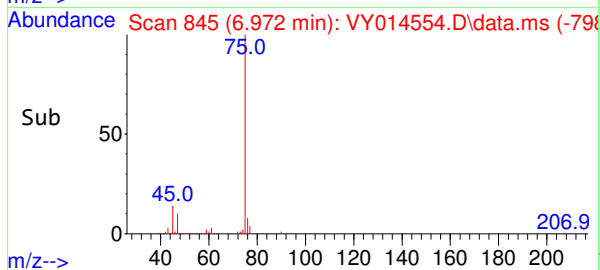
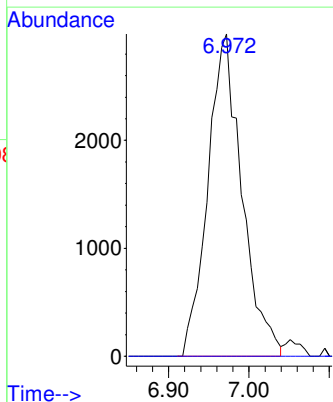
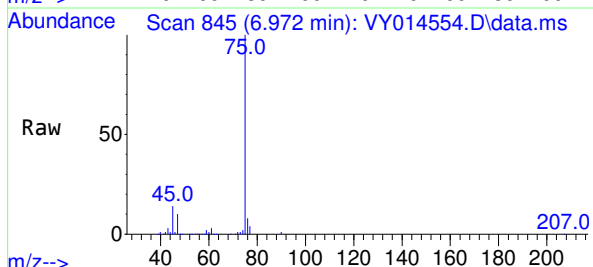
Instrument : MSVOA\_Y  
ClientSampleId : VY0703SBL01

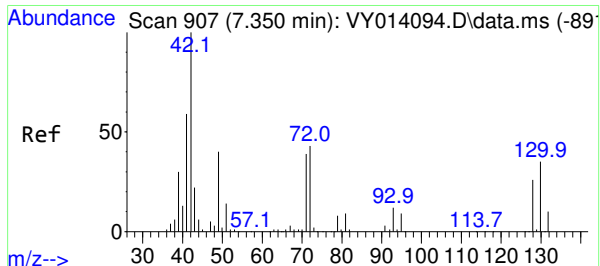
Tgt Ion: 43 Resp: 7822  
Ion Ratio Lower Upper  
43 100  
72 20.1 20.5 30.7#



#26  
2,2-Dichloropropane  
Concen: 2.23 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 77 Resp: 8790  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#

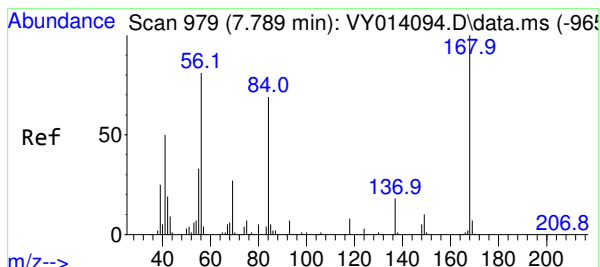
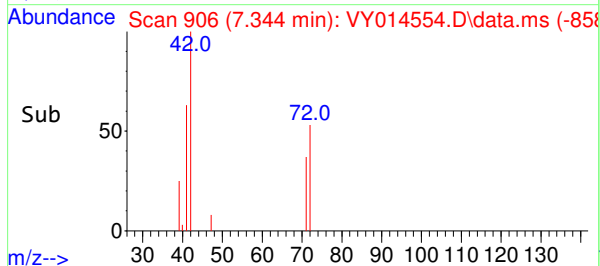
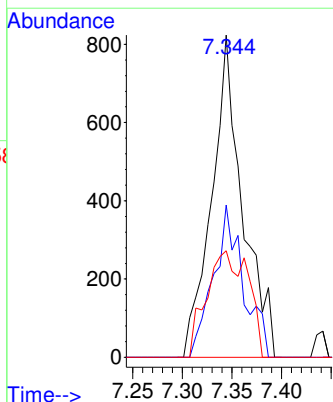
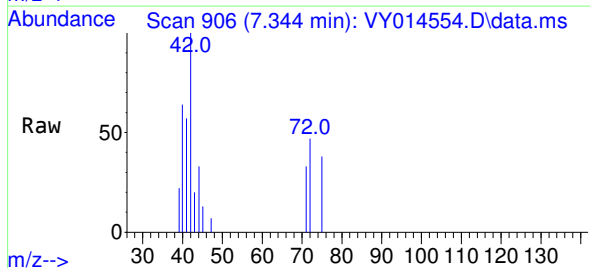




#29  
Tetrahydrofuran  
Concen: 2.39 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

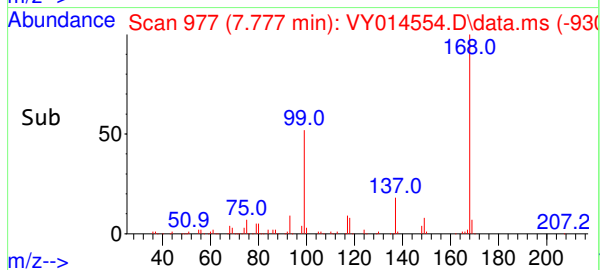
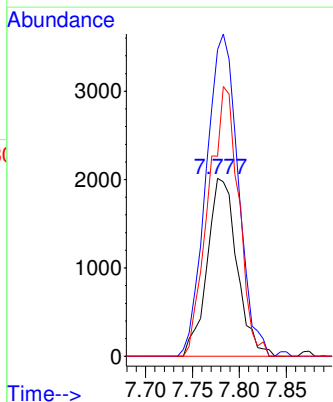
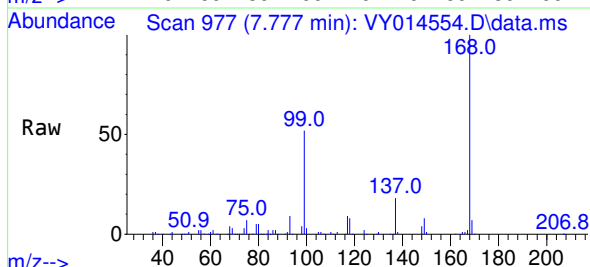
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

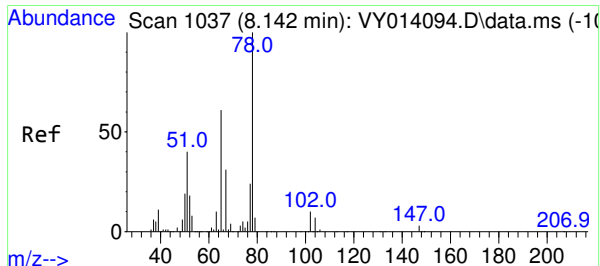
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1788  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 45.5  | 32.8  | 49.2  |
| 71       | 44.3  | 31.0  | 46.4  |



#31  
Cyclohexane  
Concen: 1.13 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.012 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4445  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 172.1 | 27.8  | 41.6# |
| 84       | 112.4 | 66.4  | 99.6# |

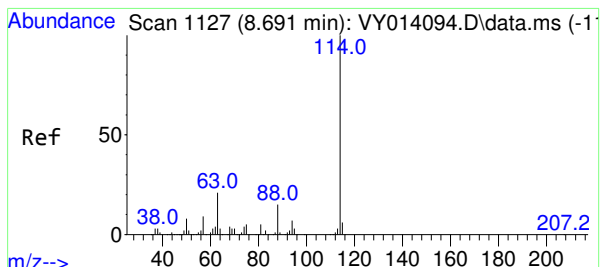
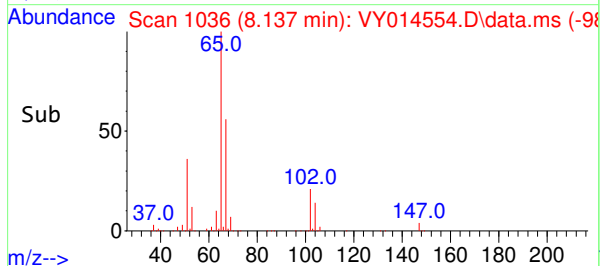
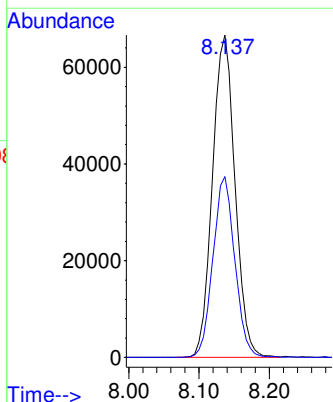
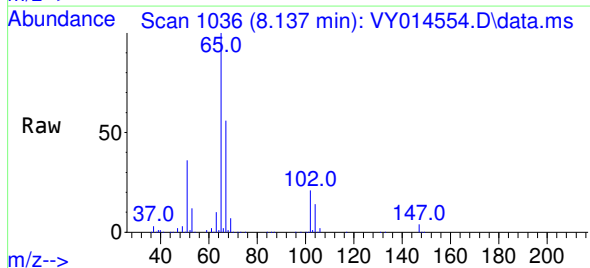




#33  
1,2-Dichloroethane-d4  
Concen: 59.11 ug/l  
RT: 8.137 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

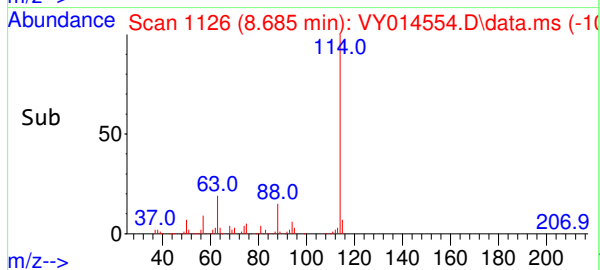
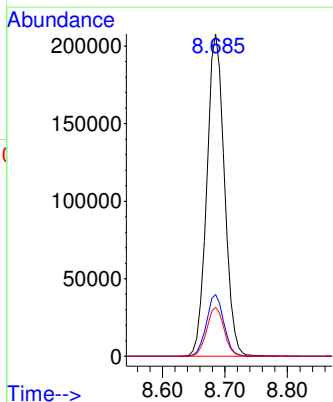
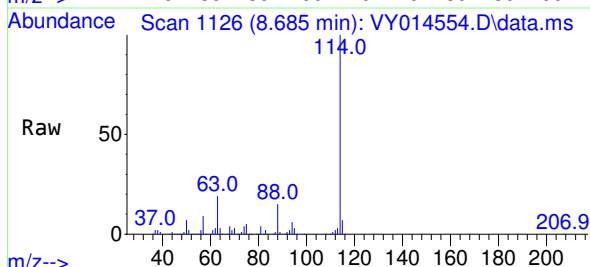
Instrument :  
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ClientSampleId :  
VY0703SBL01

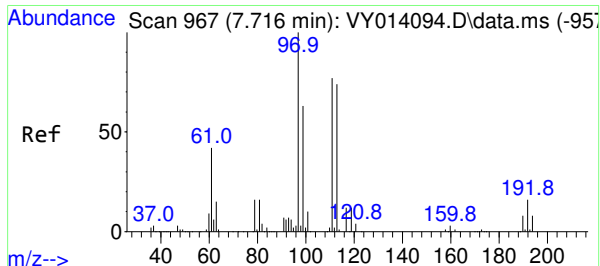
Tgt Ion: 65 Resp: 148506  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion:114 Resp: 408273  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 42.4  
88 15.2 0.0 30.6

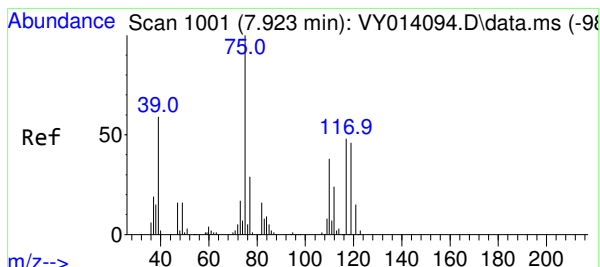
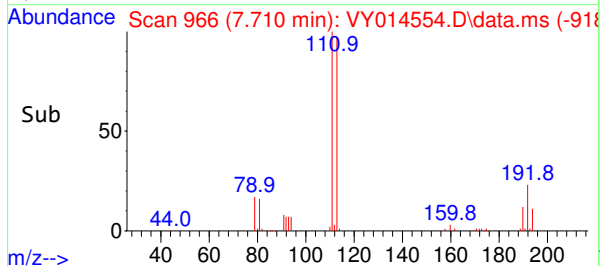
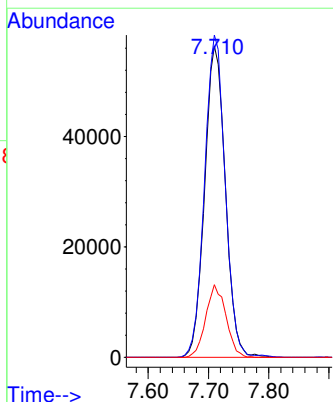
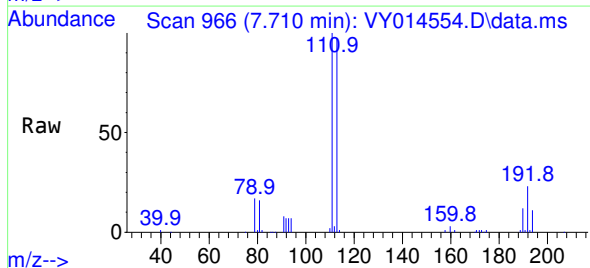




#35  
 Dibromofluoromethane  
 Concen: 53.47 ug/l  
 RT: 7.710 min Scan# 967  
 Delta R.T. -0.006 min  
 Lab File: VY014554.D  
 Acq: 05 Jul 2023 13:30

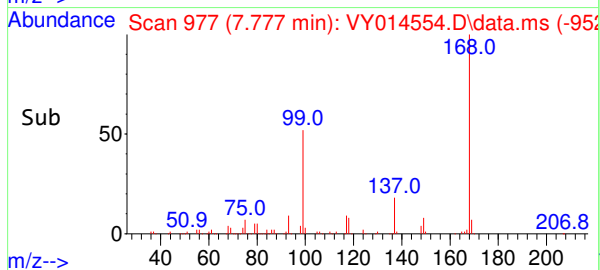
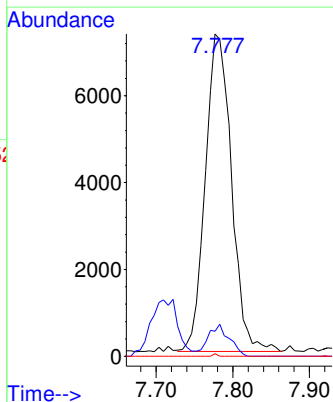
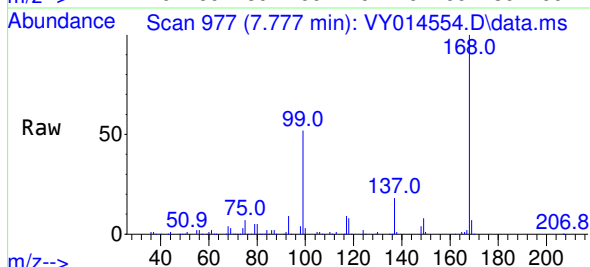
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0703SBL01

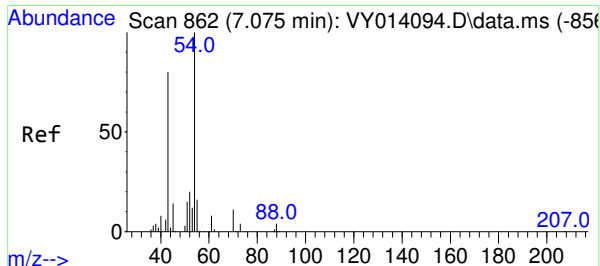
Tgt Ion:113 Resp: 134434  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 81.3 121.9  
 192 22.8 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 4.51 ug/l  
 RT: 7.777 min Scan# 977  
 Delta R.T. -0.146 min  
 Lab File: VY014554.D  
 Acq: 05 Jul 2023 13:30

Tgt Ion: 75 Resp: 17374  
 Ion Ratio Lower Upper  
 75 100  
 110 8.3 17.8 53.5#  
 77 0.1 24.4 36.6#

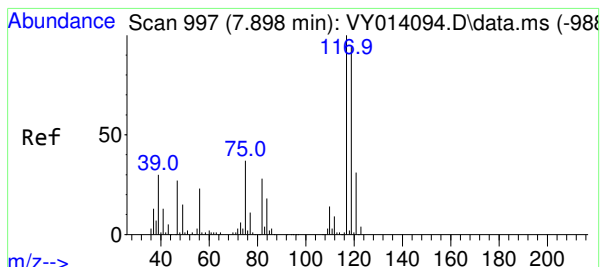
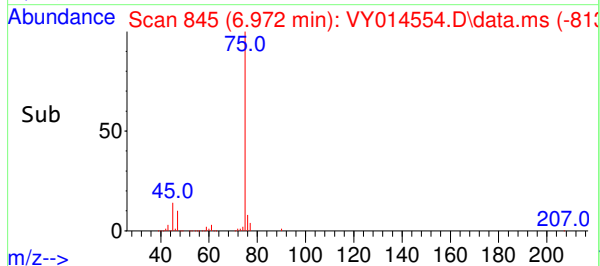
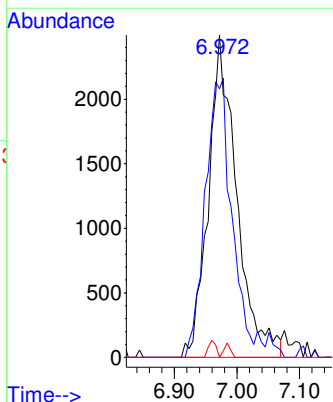
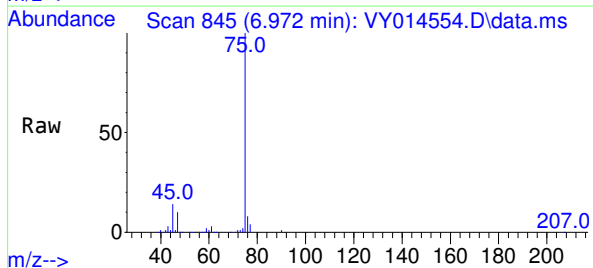




#37  
Ethyl Acetate  
Concen: 2.96 ug/l  
RT: 6.972 min Scan# 862  
Delta R.T. -0.103 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

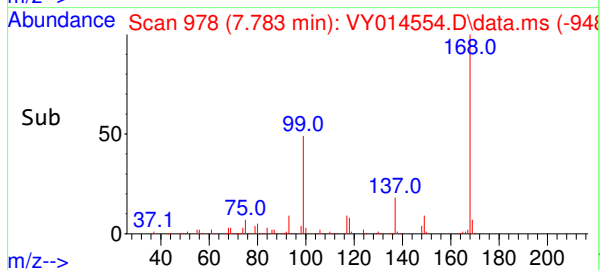
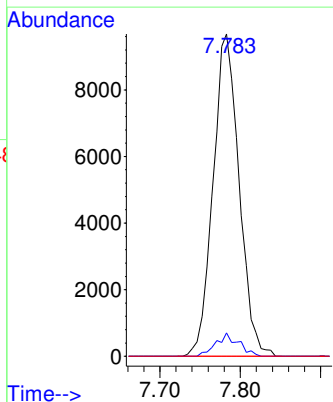
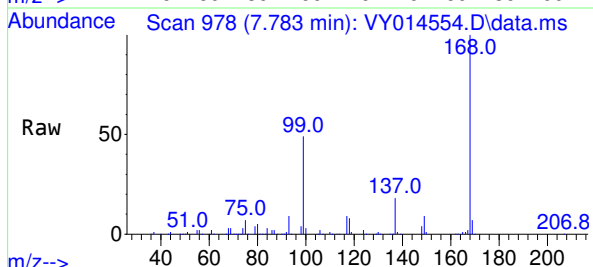
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

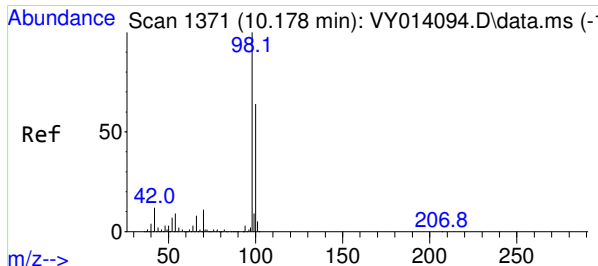
Tgt Ion: 43 Resp: 7822  
Ion Ratio Lower Upper  
43 100  
61 81.1 10.1 15.1#  
70 1.0 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 5.41 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.115 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 117 Resp: 21732  
Ion Ratio Lower Upper  
117 100  
119 7.3 76.4 114.6#  
121 0.0 25.8 38.6#

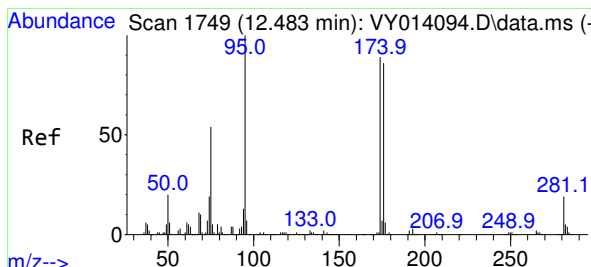
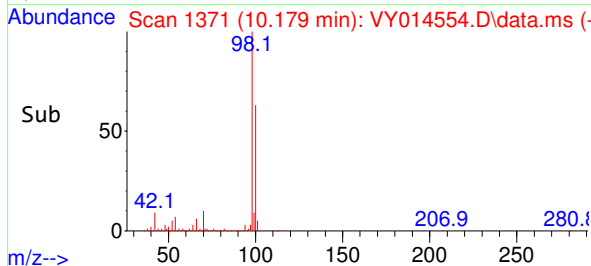
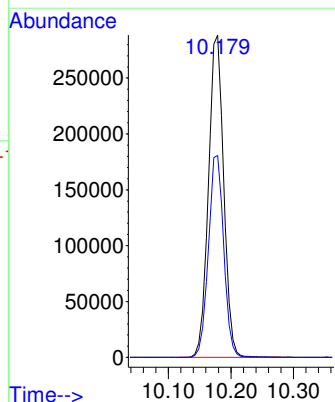
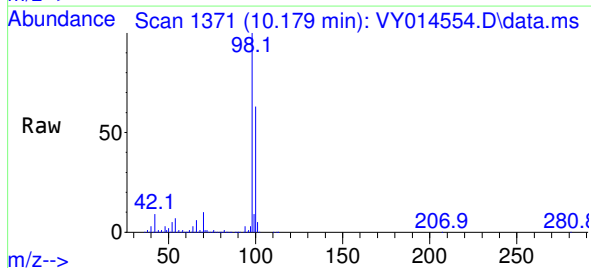




#50  
Toluene-d8  
Concen: 49.49 ug/l  
RT: 10.179 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

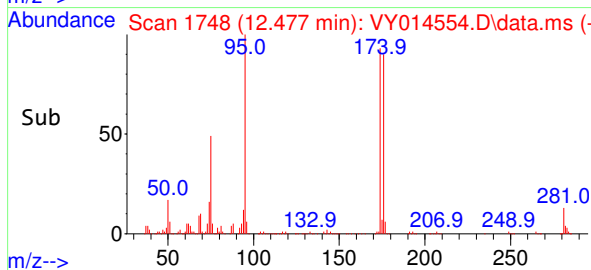
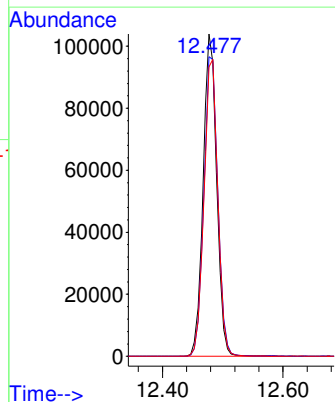
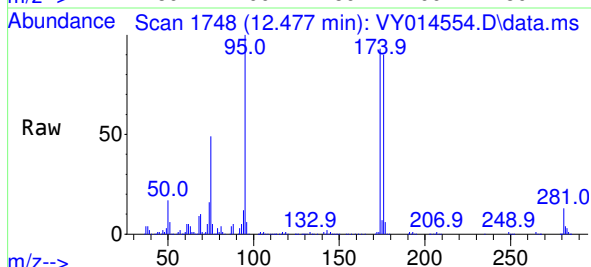
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

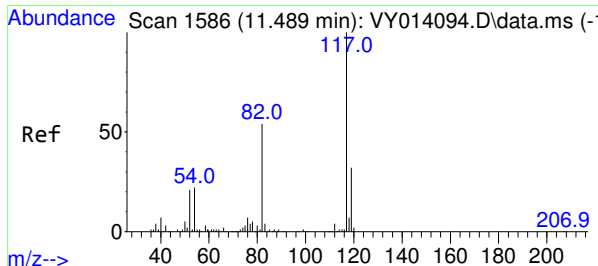
Tgt Ion: 98 Resp: 491823  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 46.73 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 95 Resp: 161266  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 178.2  
176 94.0 0.0 173.8

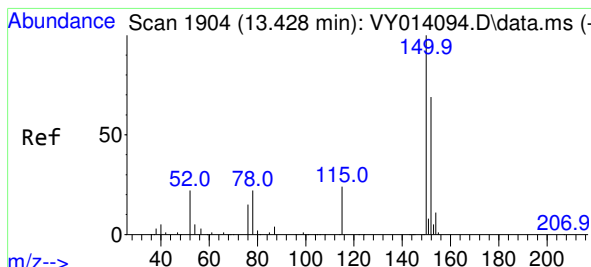
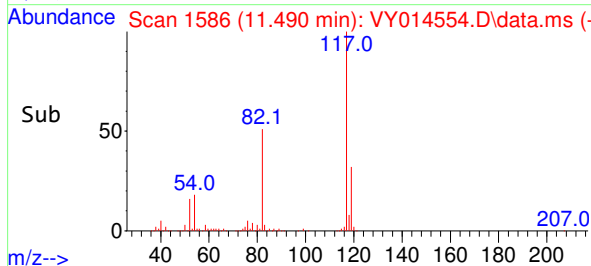
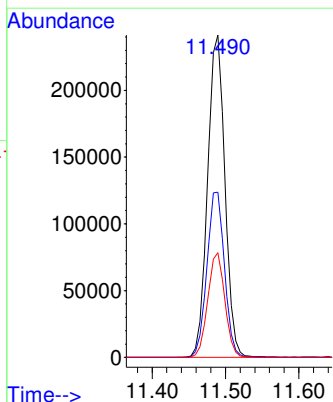
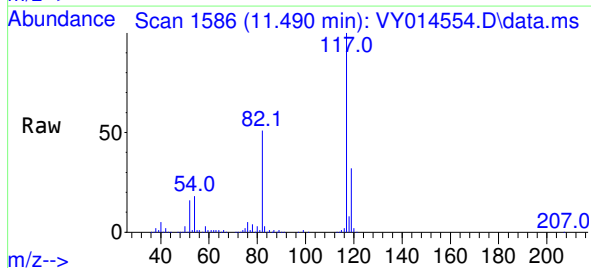




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

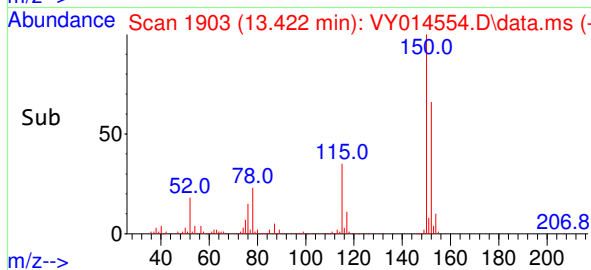
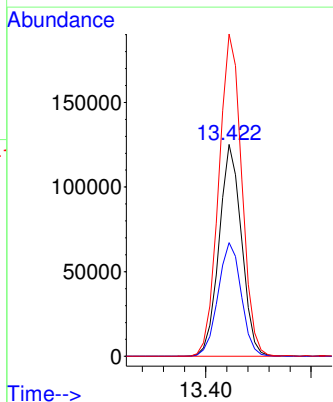
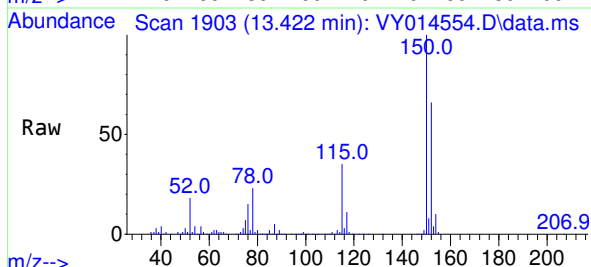
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0703SBL01

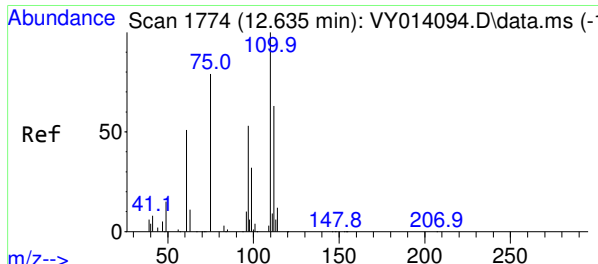
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 395091 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 51.2  | 43.4  | 65.0   |
| 119      | 32.5  | 26.3  | 39.5   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 185837 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 55.5  | 28.8  | 86.5   |
| 150      | 156.0 | 0.0   | 348.8  |

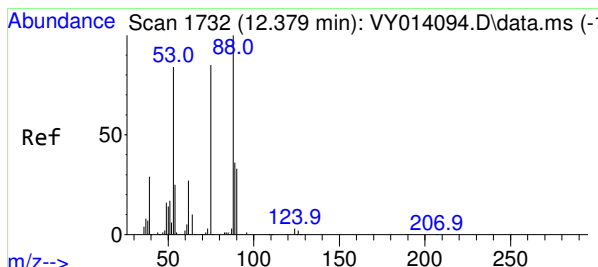
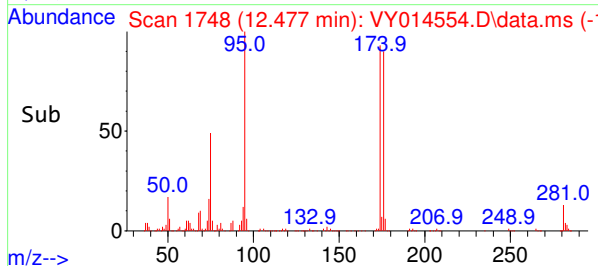
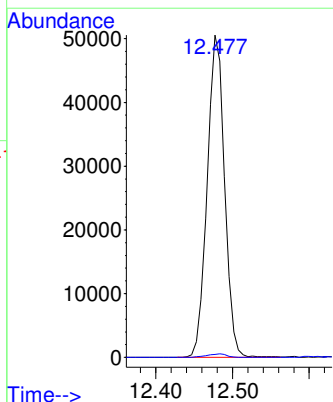
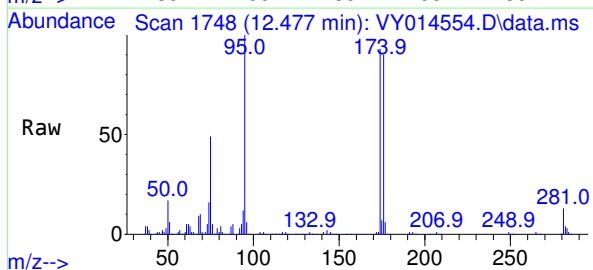




#76  
1,2,3-Trichloropropane  
Concen: 36.61 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.158 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Instrument : MSVOA\_Y  
ClientSampleId : VY0703SBL01

Tgt Ion: 75 Resp: 79840  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.26 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY014554.D  
Acq: 05 Jul 2023 13:30

Tgt Ion: 75 Resp: 79840  
Ion Ratio Lower Upper  
75 100  
53 0.3 77.8 116.8#  
89 0.1 37.4 56.0#

