

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
 Data File : VY014358.D  
 Acq On : 22 Jun 2023 01:04  
 Operator : KP/MD  
 Sample : 03358-09  
 Misc : 3.91g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-6-(24-28)

Quant Time: Jun 22 02:01:18 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

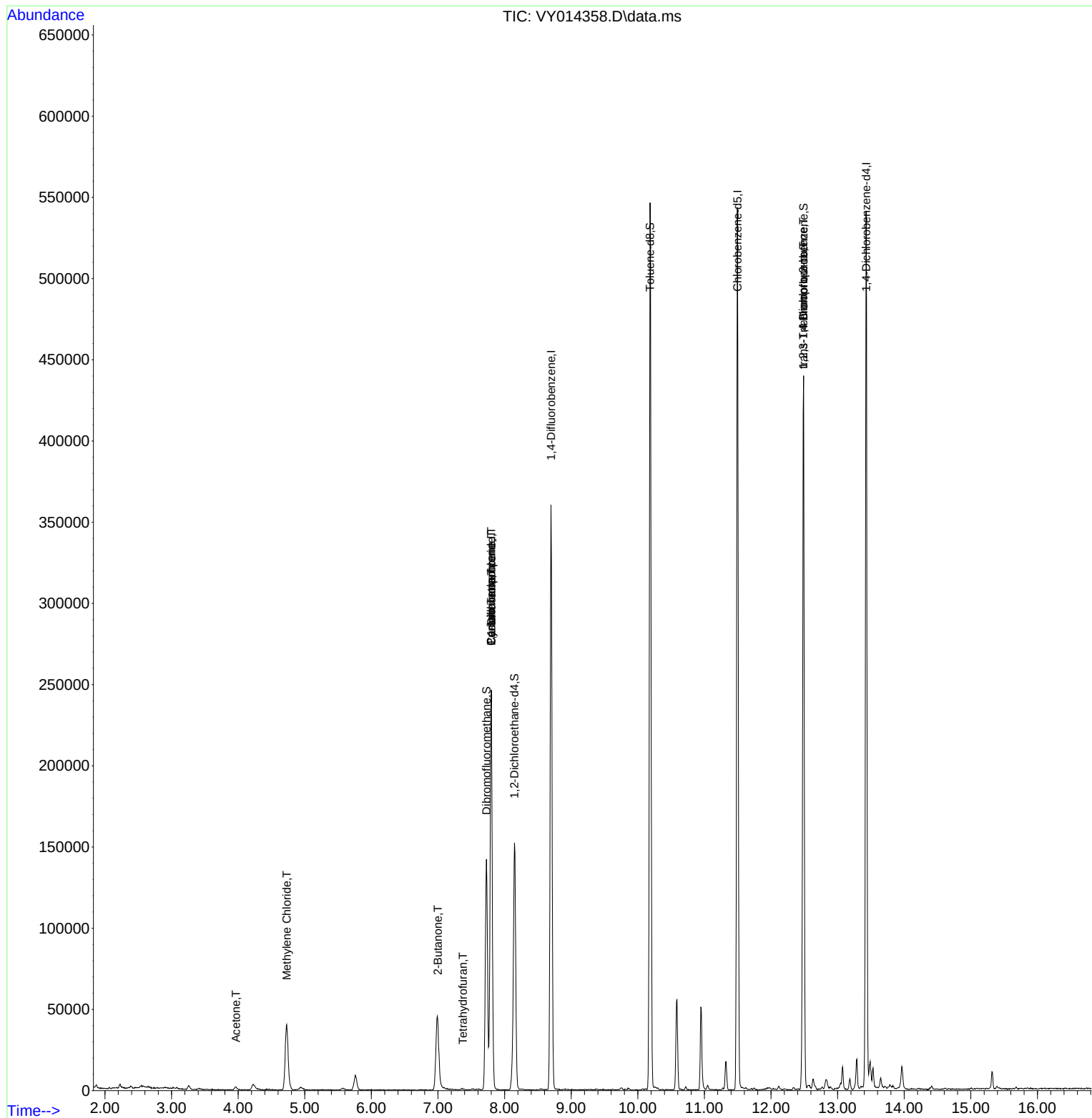
| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 188395     | 50.000    | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 295876     | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 282283     | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 137965     | 50.000    | ug/l  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 125904     | 47.992    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 95.980%   |       |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 95836      | 45.673    | ug/l  | 0.01     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 91.340%   |       |          |
| 50) Toluene-d8                | 10.185         | 98   | 356000     | 45.381    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 90.760%   |       |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 115730     | 41.530    | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 83.060%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       |          |
| 11) Tert butyl alcohol        | 4.936          | 59   | 2058       | Below Cal | #     | 89       |
| 13) Acrolein                  | 3.546          | 56   | 23         | Below Cal | #     | 14       |
| 16) Acetone                   | 3.966          | 43   | 3413       | 4.316     | ug/l  | 98       |
| 20) Methylene Chloride        | 4.729          | 84   | 29853      | 8.876     | ug/l  | 89       |
| 25) 2-Butanone                | 6.996          | 43   | 6881       | 7.069     | ug/l  | 98       |
| 29) Tetrahydrofuran           | 7.374          | 42   | 621        | 1.006     | ug/l  | # 60     |
| 31) Cyclohexane               | 7.801          | 56   | 3953       | 1.125     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 14281      | 4.366     | ug/l  | # 50     |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 18685      | 4.950     | ug/l  | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 65055      | 35.941    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 65055      | 77.690    | ug/l  | # 11     |
| -----                         |                |      |            |           |       |          |

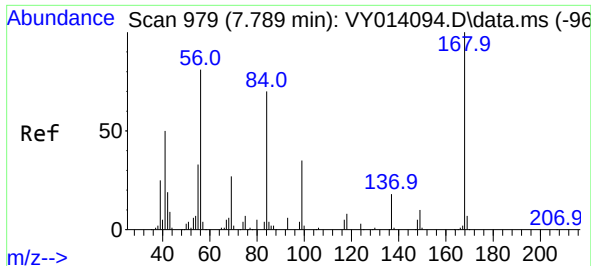
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
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Sample : 03358-09  
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ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

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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

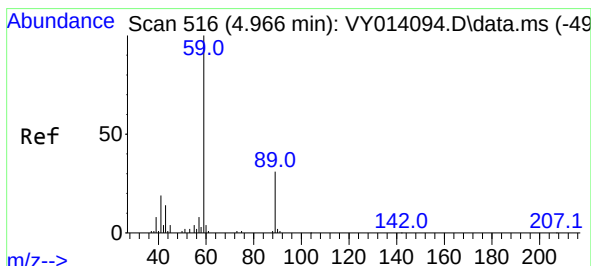
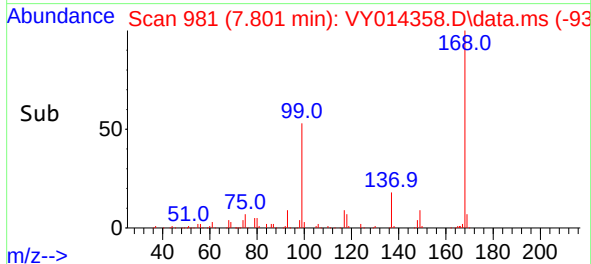
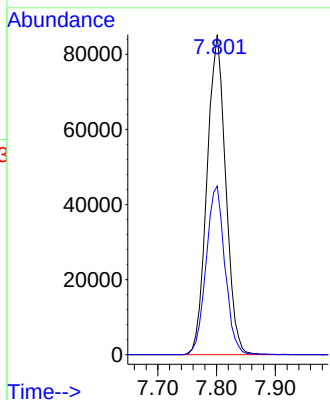
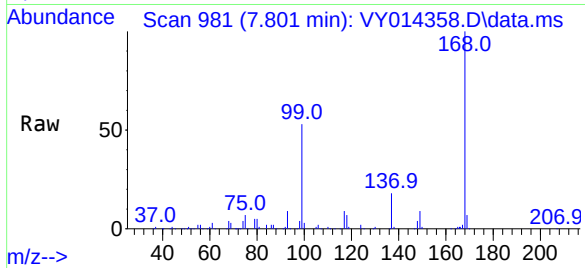




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

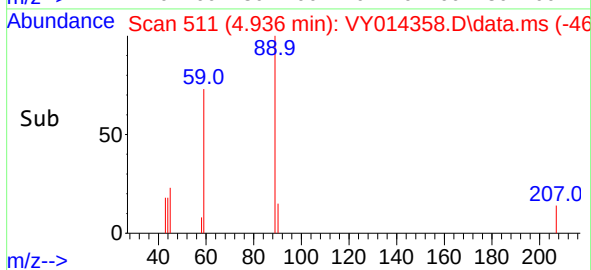
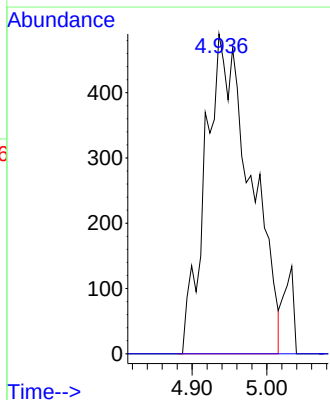
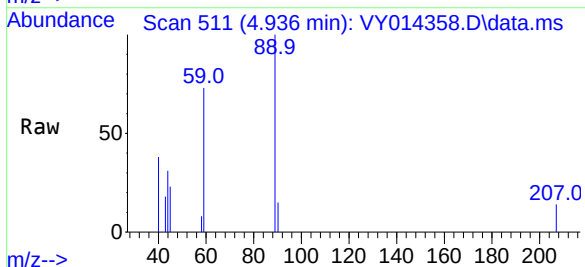
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

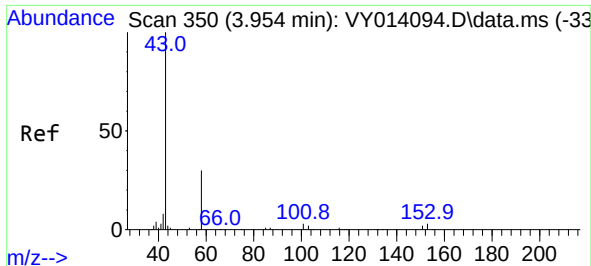
Tgt Ion:168 Resp: 188395  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.4 65.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.030 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 59 Resp: 2058  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

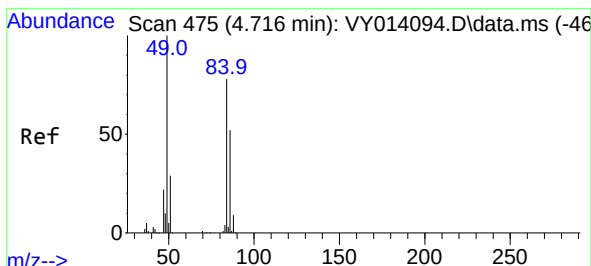
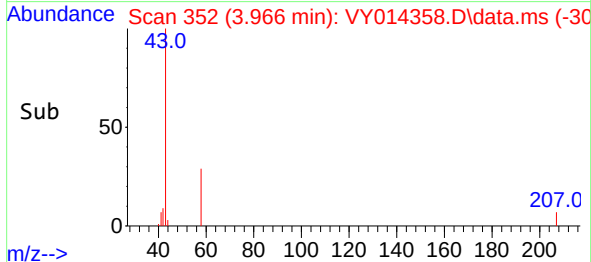
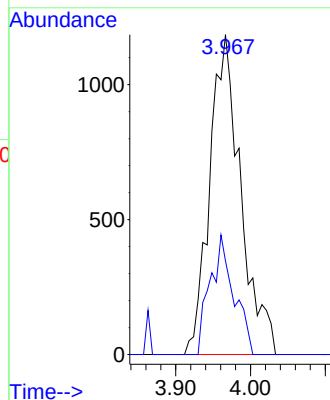
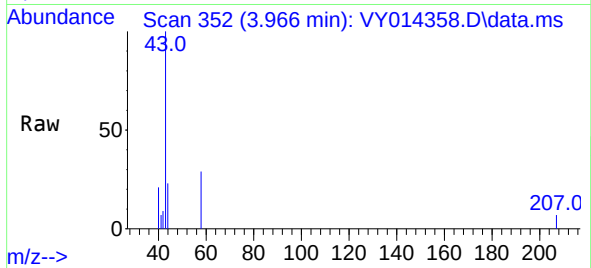




#16  
Acetone  
Concen: 4.316 ug/l  
RT: 3.966 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

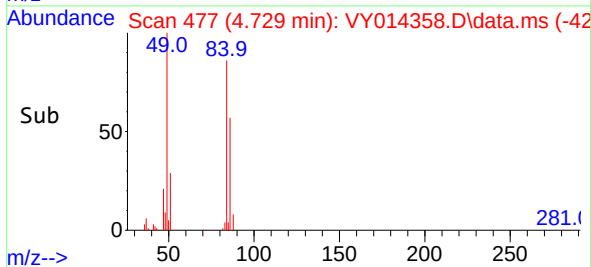
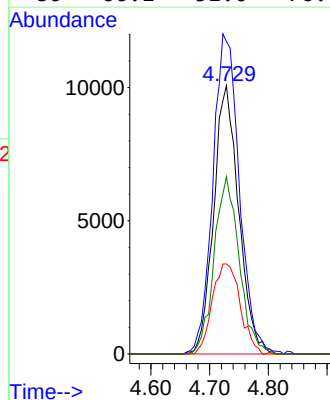
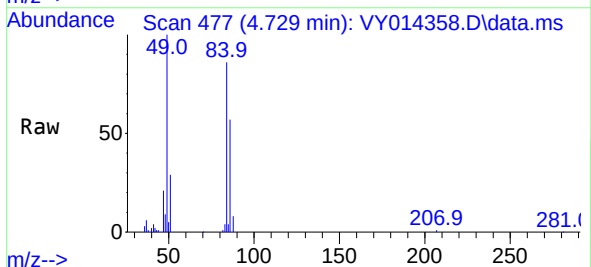
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

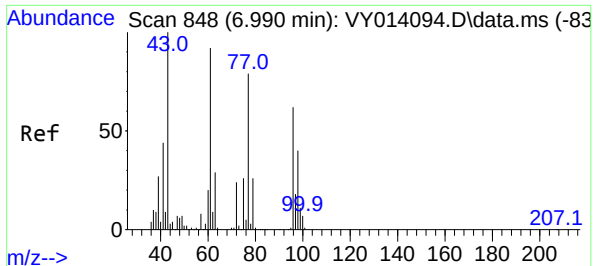
Tgt Ion: 43 Resp: 3413  
Ion Ratio Lower Upper  
43 100  
58 29.3 22.7 34.1



#20  
Methylene Chloride  
Concen: 8.876 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. 0.013 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 84 Resp: 29853  
Ion Ratio Lower Upper  
84 100  
49 116.4 106.9 160.3  
51 33.6 33.2 49.8  
86 66.1 51.0 76.6





#25

2-Butanone

Concen: 7.069 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014358.D

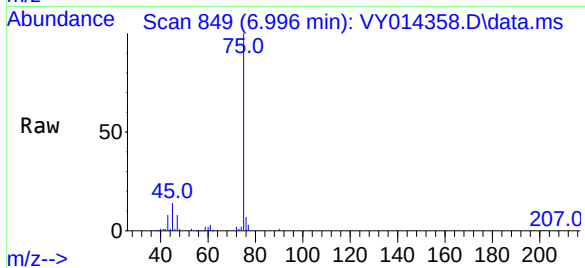
Acq: 22 Jun 2023 01:04

Instrument :

MSVOA\_Y

ClientSampleId :

SB-6-(24-28)

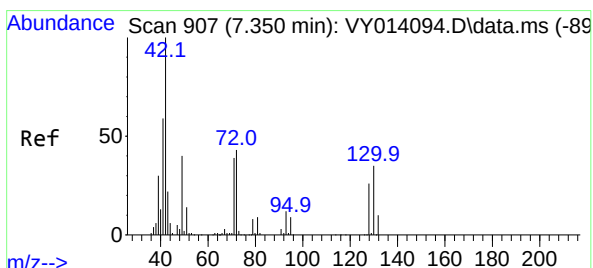
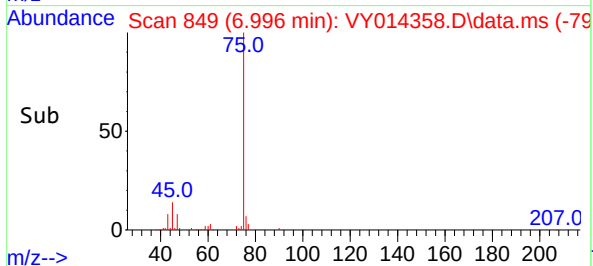
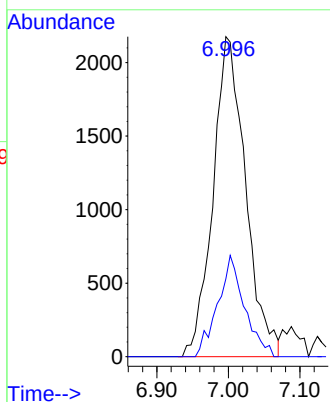


Tgt Ion: 43 Resp: 6881

Ion Ratio Lower Upper

43 100

72 24.4 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.024 min

Lab File: VY014358.D

Acq: 22 Jun 2023 01:04

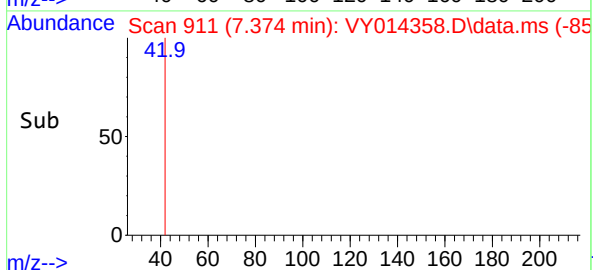
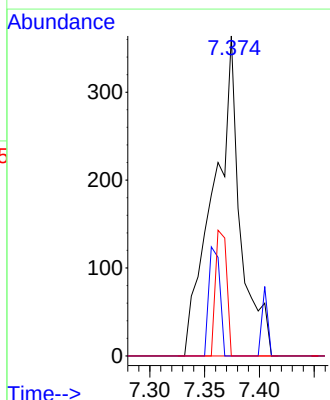
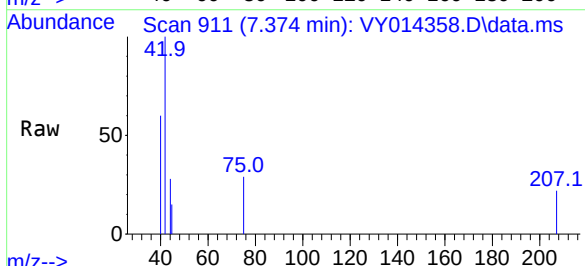
Tgt Ion: 42 Resp: 621

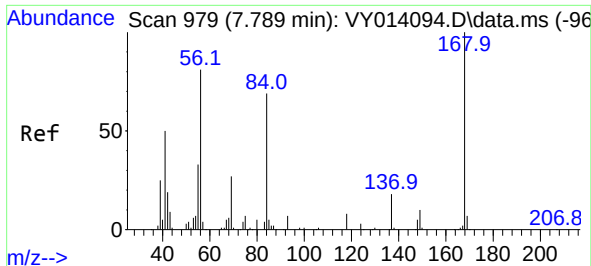
Ion Ratio Lower Upper

42 100

72 13.8 32.8 49.2#

71 16.3 31.0 46.4#

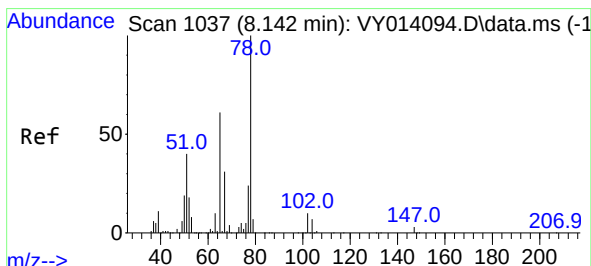
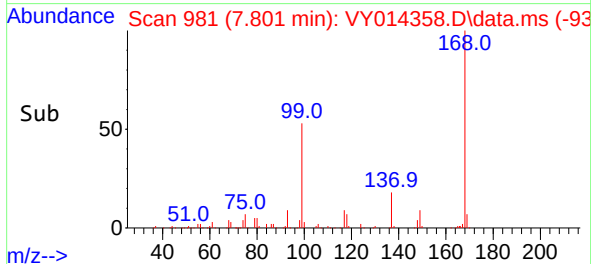
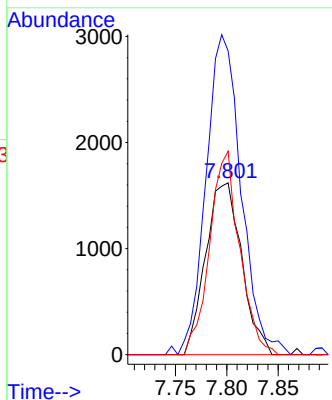
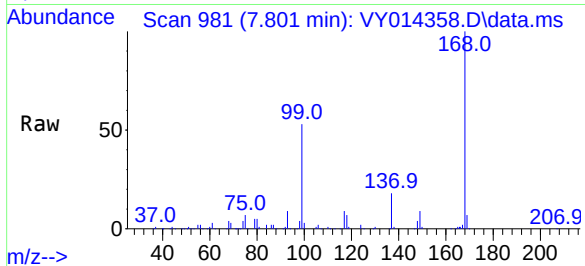




#31  
Cyclohexane  
Concen: 1.125 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

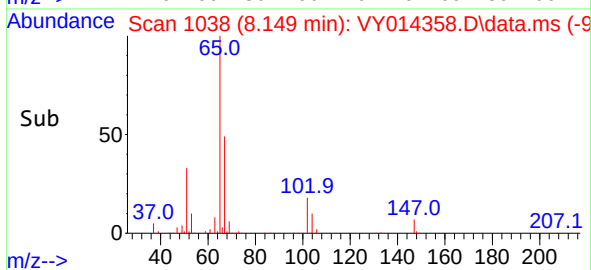
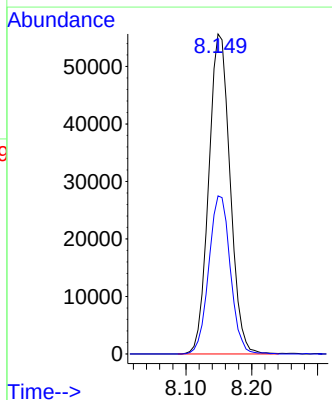
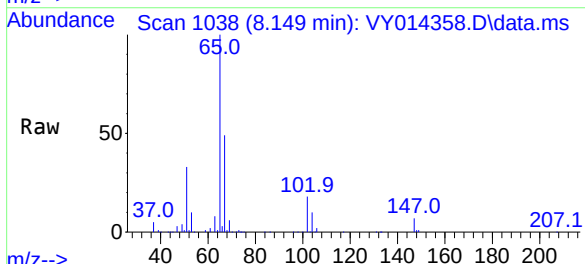
Instrument :  
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SB-6-(24-28)

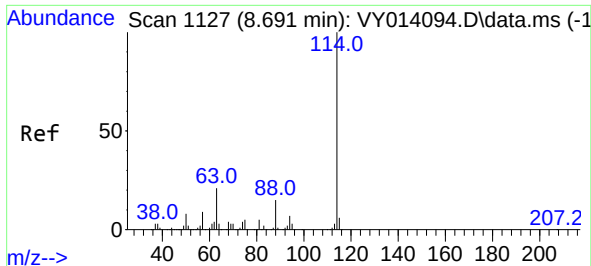
Tgt Ion: 56 Resp: 3953  
Ion Ratio Lower Upper  
56 100  
69 176.7 27.8 41.6#  
84 118.5 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.992 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.007 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 65 Resp: 125904  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 101.8

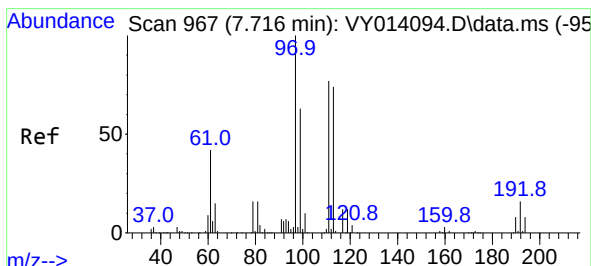
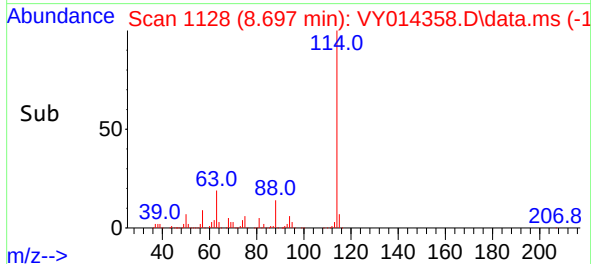
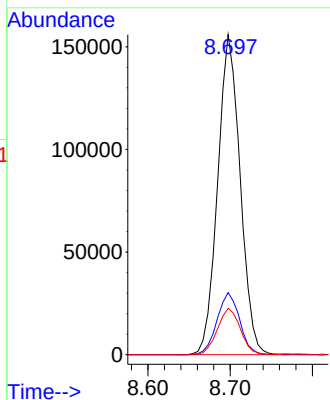
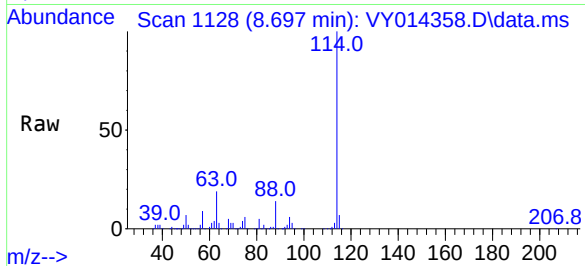




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

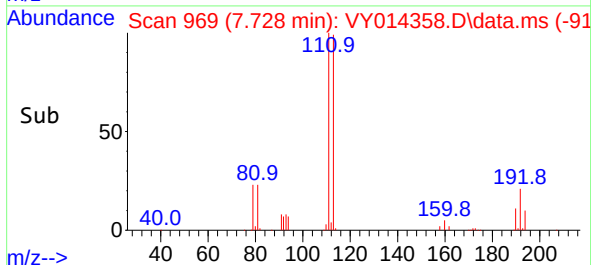
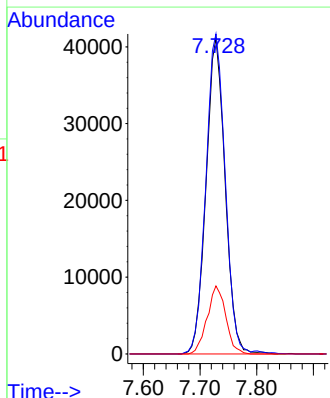
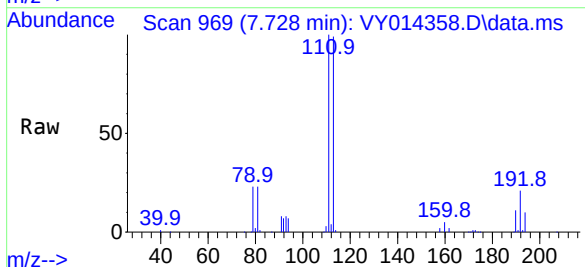
Instrument :  
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ClientSampleId :  
SB-6-(24-28)

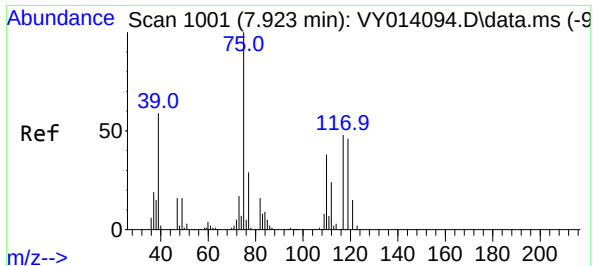
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|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 295876 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.4  | 0.0   | 42.4   |
| 88       | 14.5  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 45.673 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.012 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 95836 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.2 | 81.3  | 121.9 |
| 192      | 21.0  | 16.9  | 25.3  |

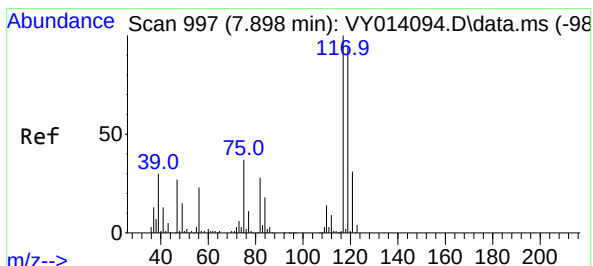
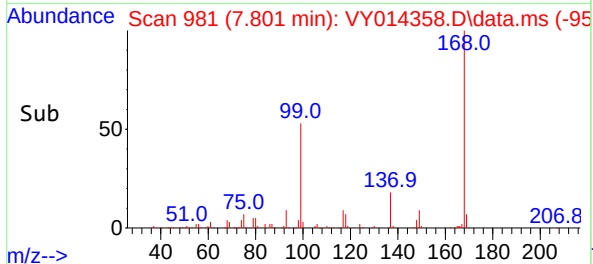
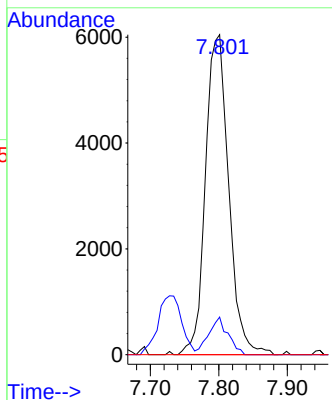
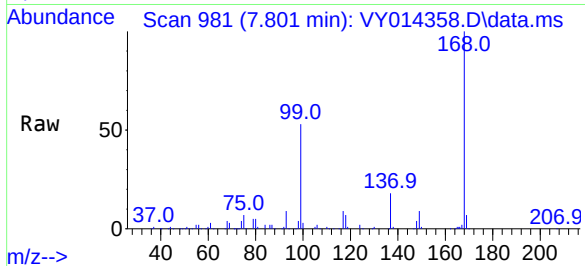




#36  
1,1-Dichloropropene  
Concen: 4.366 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

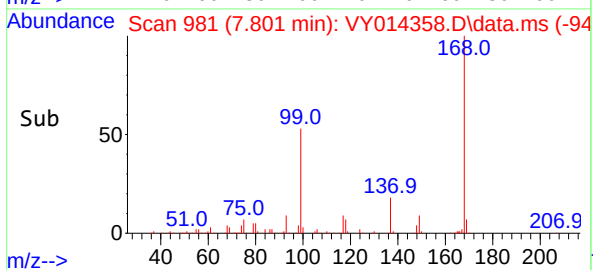
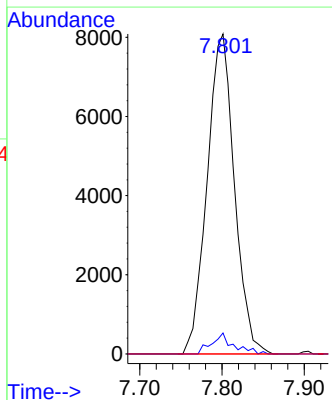
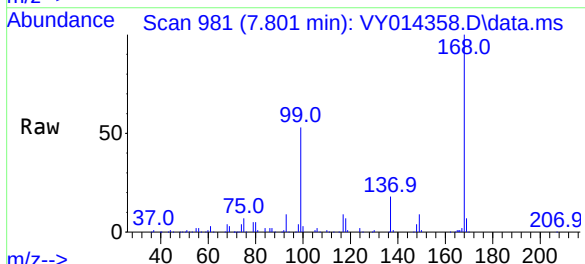
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

Tgt Ion: 75 Resp: 14281  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.8 53.5#  
77 0.0 24.4 36.6#

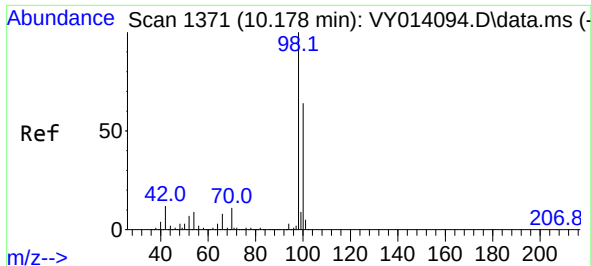


#38  
Carbon Tetrachloride  
Concen: 4.950 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.097 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 117 Resp: 18685  
Ion Ratio Lower Upper  
117 100  
119 6.6 76.4 114.6#  
121 0.0 25.8 38.6#



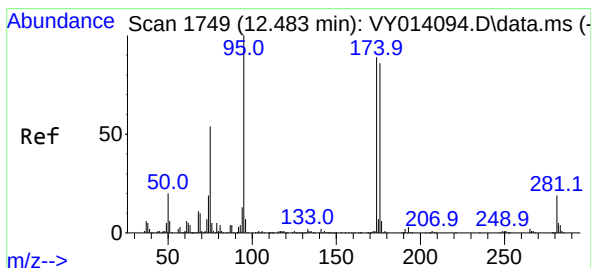
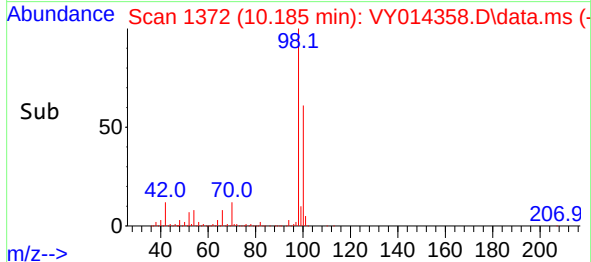
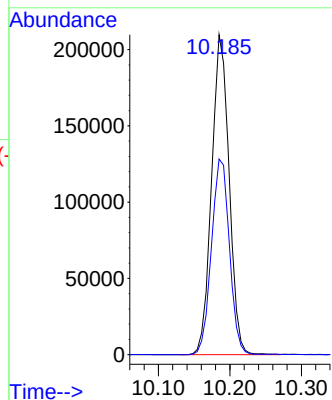
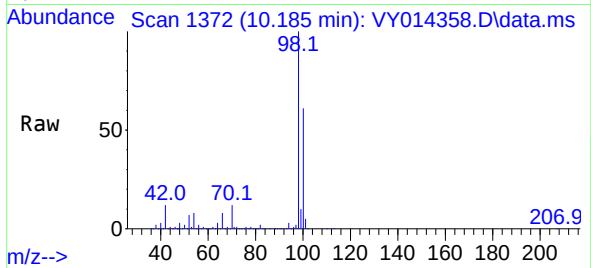




#50  
Toluene-d8  
Concen: 45.381 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

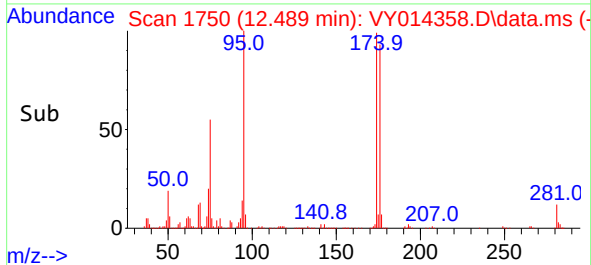
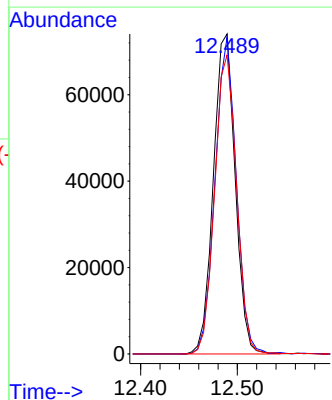
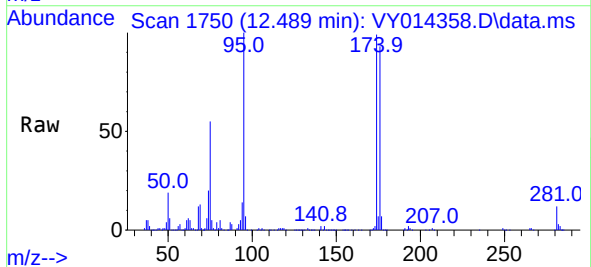
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

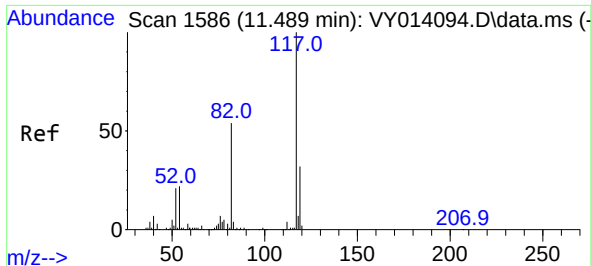
Tgt Ion: 98 Resp: 356000  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 41.530 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 95 Resp: 115730  
Ion Ratio Lower Upper  
95 100  
174 96.5 0.0 178.2  
176 93.7 0.0 173.8

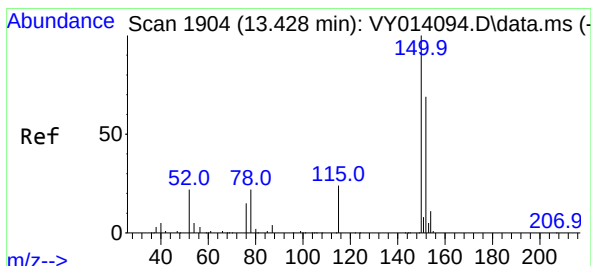
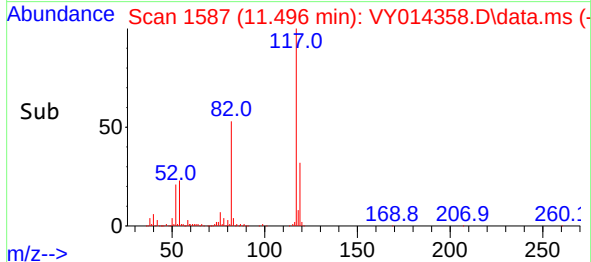
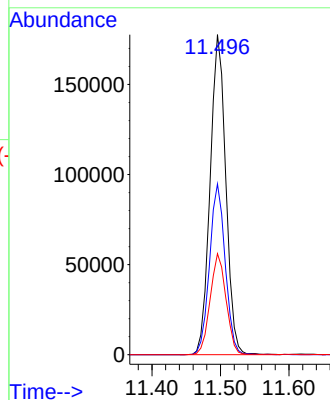
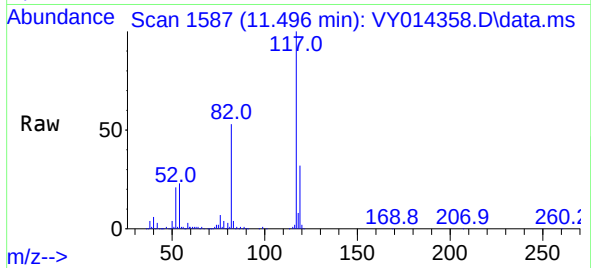




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

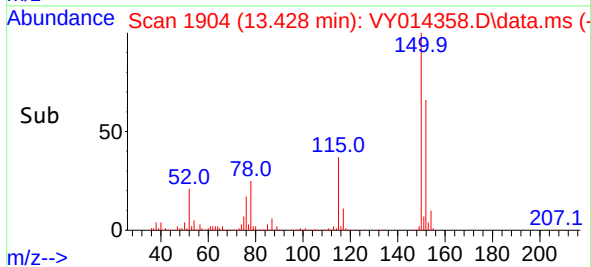
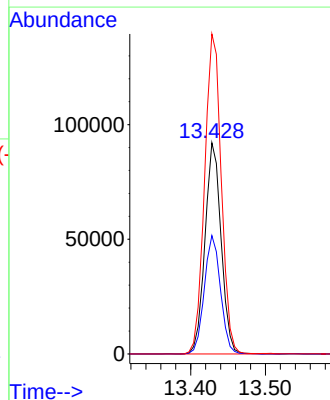
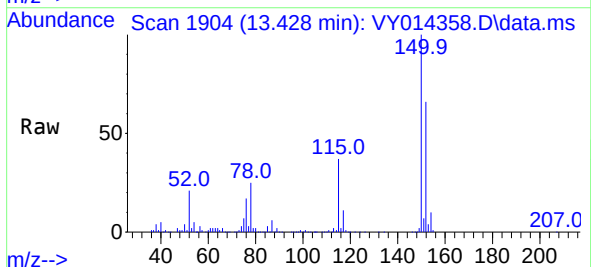
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

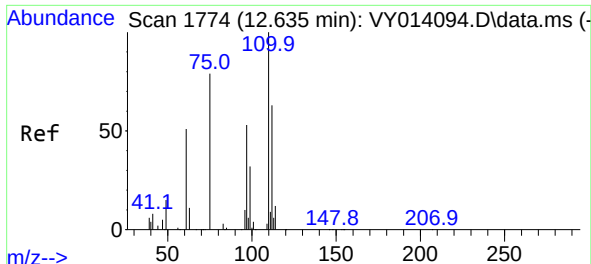
Tgt Ion:117 Resp: 282283  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.4 65.0  
119 31.6 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion:152 Resp: 137965  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.8 86.5  
150 156.3 0.0 348.8

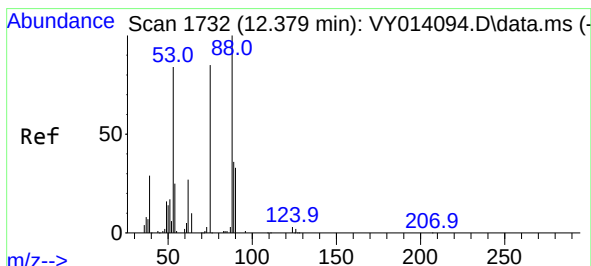
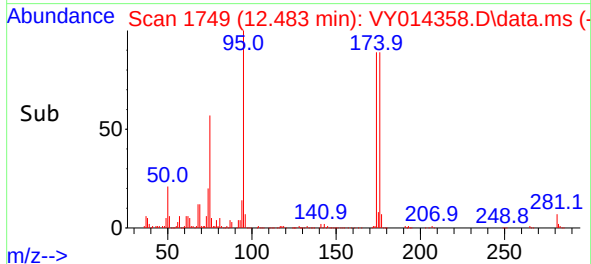
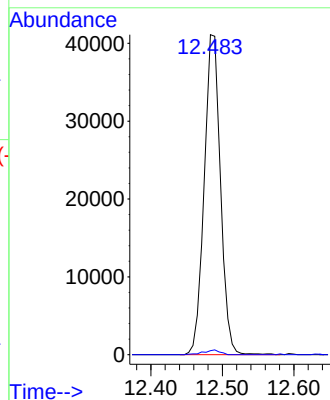
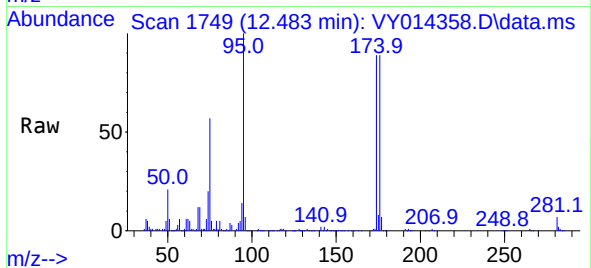




#76  
1,2,3-Trichloropropane  
Concen: 35.941 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-6-(24-28)

Tgt Ion: 75 Resp: 65055  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.690 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY014358.D  
Acq: 22 Jun 2023 01:04

Tgt Ion: 75 Resp: 65055  
Ion Ratio Lower Upper  
75 100  
53 0.9 77.8 116.8#  
89 0.0 37.4 56.0#

