

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060223\  
 Data File : VY013987.D  
 Acq On : 02 Jun 2023 14:10  
 Operator : KP/MD  
 Sample : 03006-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-3-060123

Quant Time: Jun 05 09:42:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

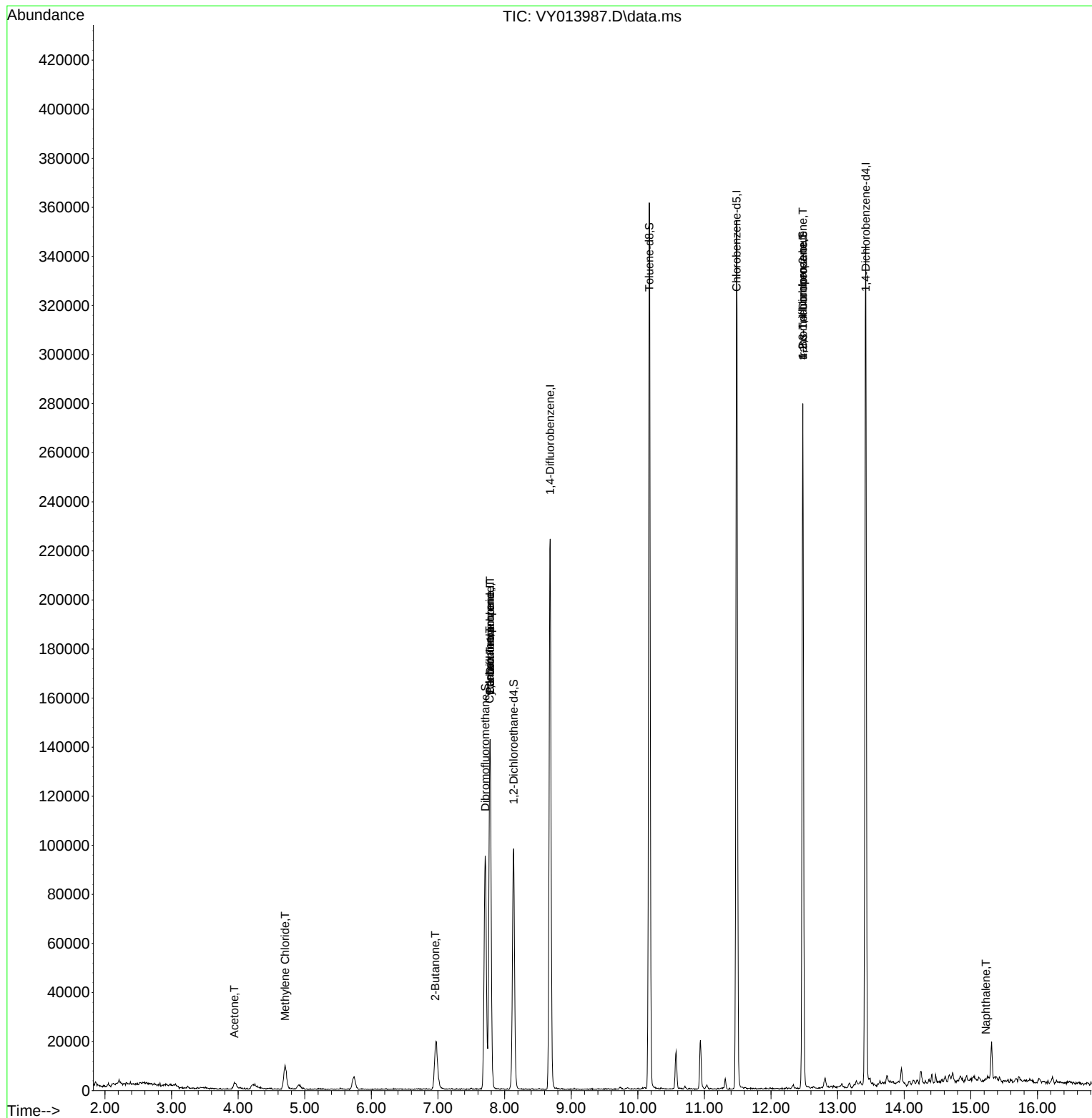
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 112689   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 185519   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 187007   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 86906    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.137     | 65    | 79236    | 53.117   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 106.240% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 65267    | 55.358   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 110.720% |          |
| 50) Toluene-d8                | 10.173    | 98    | 230644   | 51.286   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 102.580% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 75190    | 49.042   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 98.080%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.942     | 43    | 5484     | 10.745   | ug/l       | 96       |
| 20) Methylene Chloride        | 4.704     | 84    | 6814     | 1.024    | ug/l       | 93       |
| 25) 2-Butanone                | 6.960     | 43    | 748      | 1.176    | ug/l #     | 49       |
| 31) Cyclohexane               | 7.777     | 56    | 2631     | 1.465    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 8651     | 5.150    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 11364    | 6.038    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 41350    | 35.357   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 41350    | 75.011   | ug/l #     | 11       |
| 95) Naphthalene               | 15.227    | 128   | 564      | 4.009    | ug/l #     | 75       |
| -----                         |           |       |          |          |            |          |

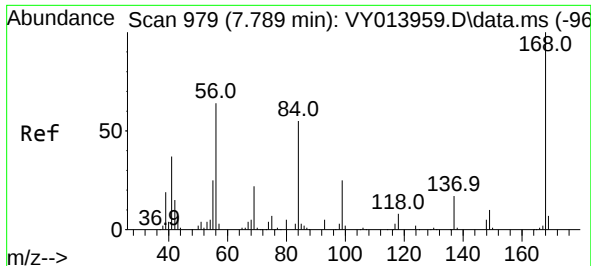
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 03006-01  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

Quant Time: Jun 05 09:42:02 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 02 07:00:14 2023  
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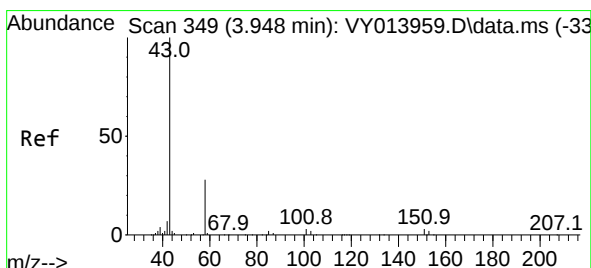
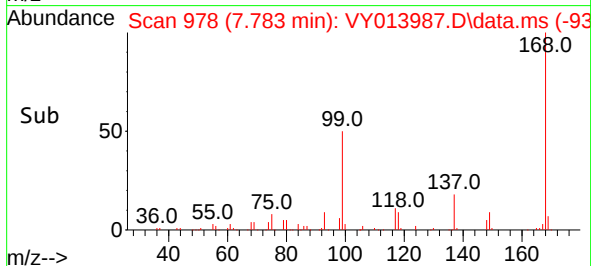
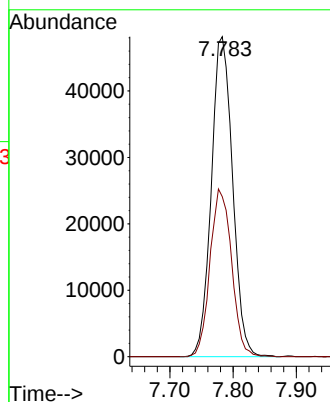
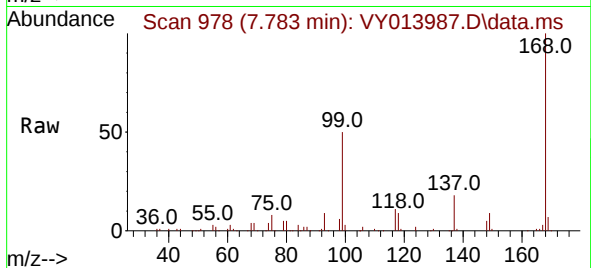




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

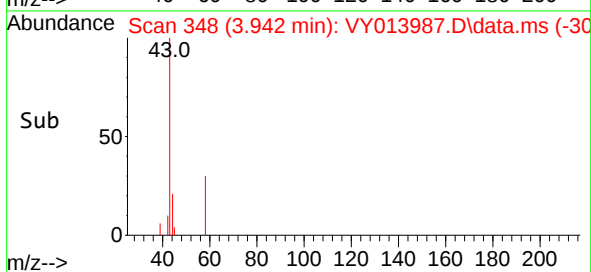
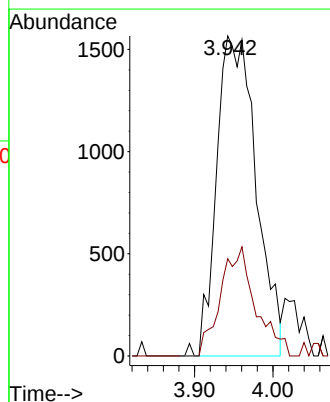
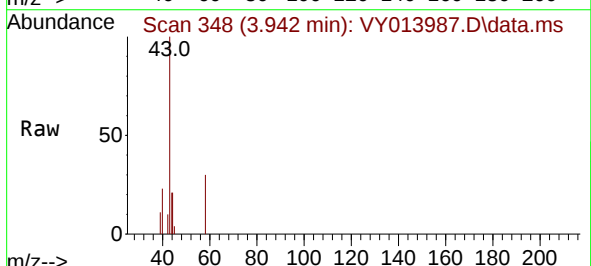
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

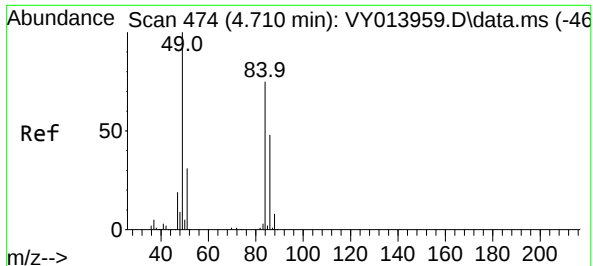
Tgt Ion:168 Resp: 112689  
Ion Ratio Lower Upper  
168 100  
99 50.0 43.4 65.0



#16  
Acetone  
Concen: 10.745 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

Tgt Ion: 43 Resp: 5484  
Ion Ratio Lower Upper  
43 100  
58 30.4 22.7 34.1

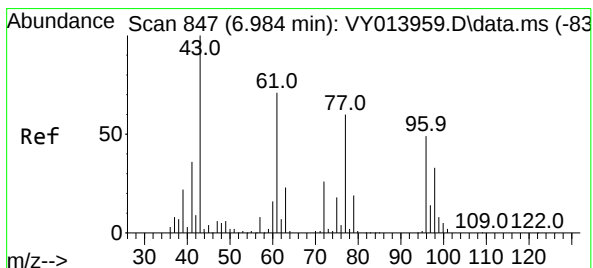
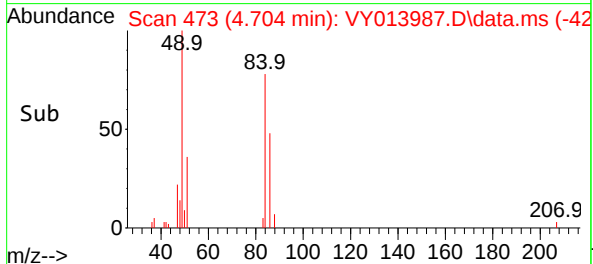
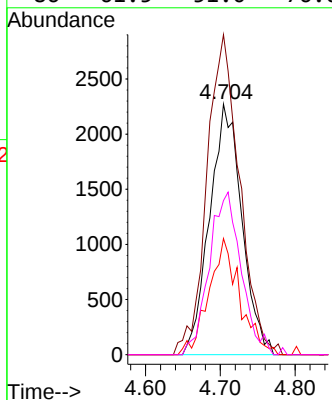
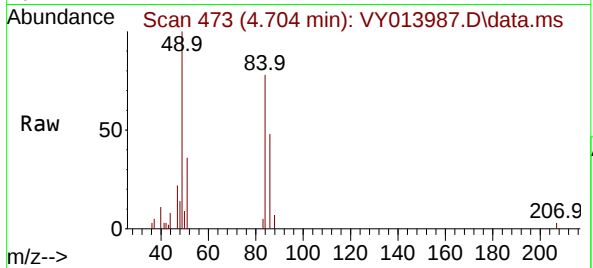




#20  
Methylene Chloride  
Concen: 1.024 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

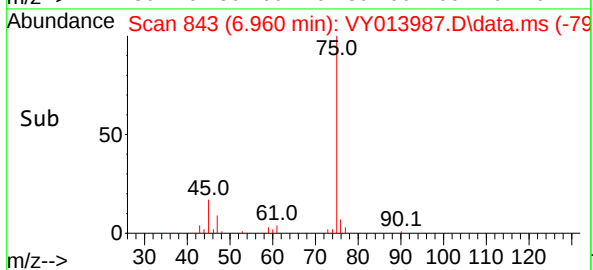
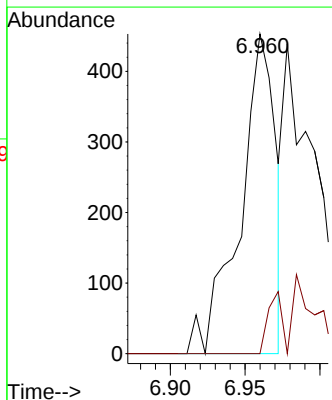
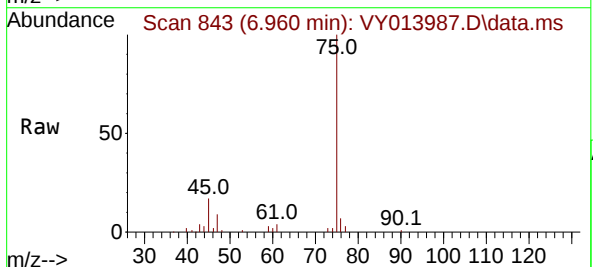
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

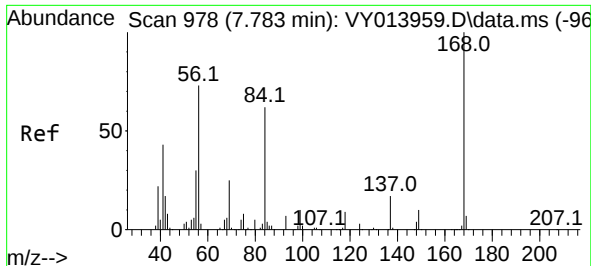
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 6814  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.4 | 106.9 | 160.3 |
| 51       | 46.4  | 33.2  | 49.8  |
| 86       | 61.5  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 1.176 ug/l  
RT: 6.960 min Scan# 843  
Delta R.T. -0.024 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 748   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 20.5  | 30.7# |

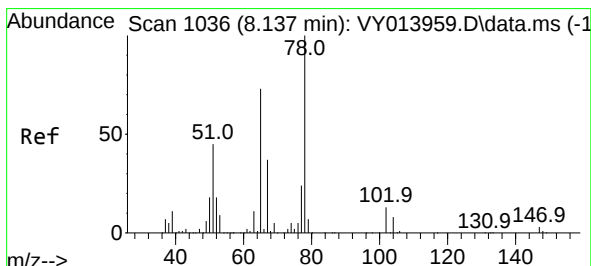
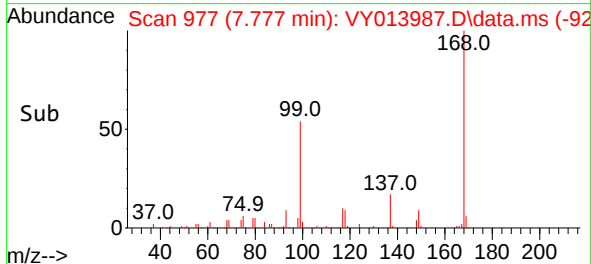
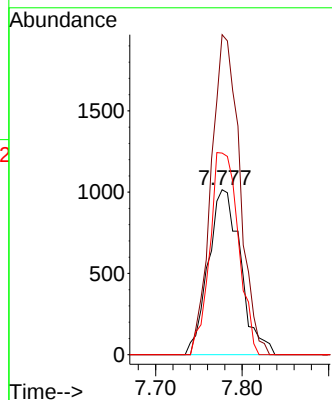
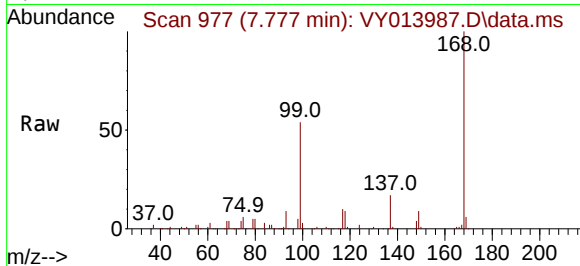




#31  
Cyclohexane  
Concen: 1.465 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

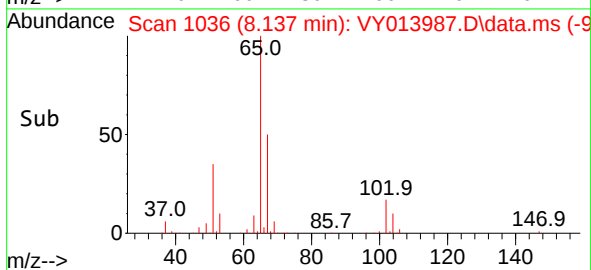
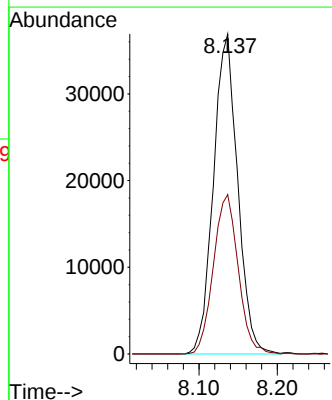
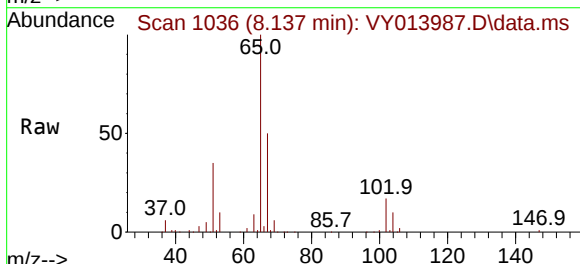
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

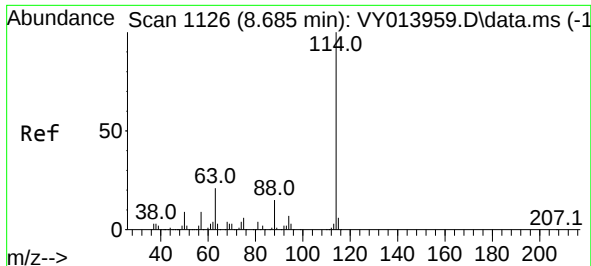
Tgt Ion: 56 Resp: 2631  
Ion Ratio Lower Upper  
56 100  
69 194.0 27.8 41.6#  
84 122.3 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.117 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

Tgt Ion: 65 Resp: 79236  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 101.8

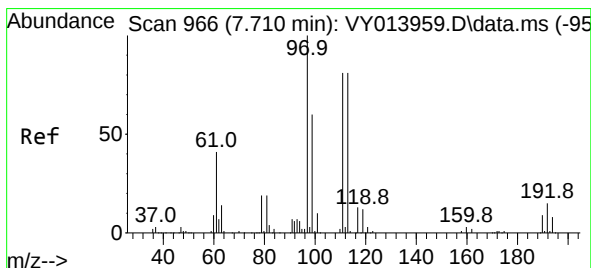
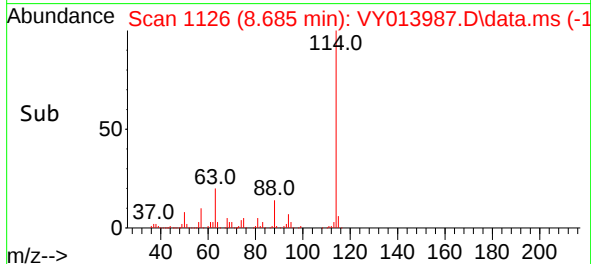
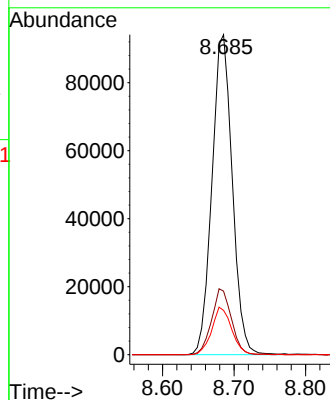
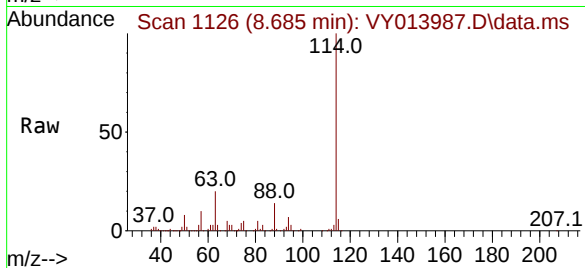




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

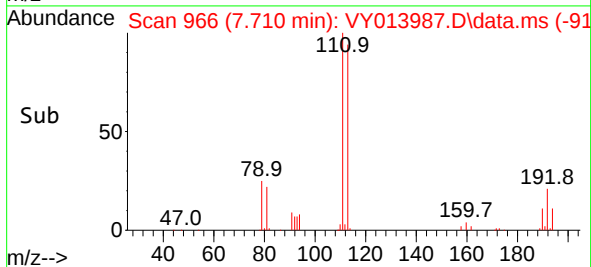
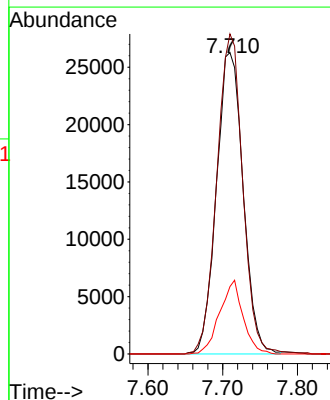
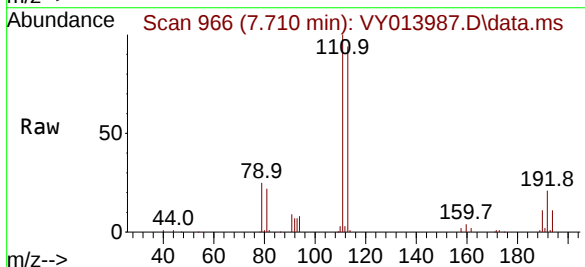
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

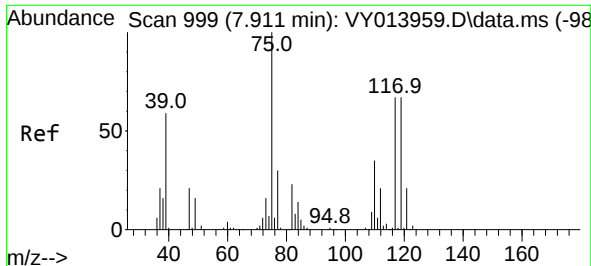
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 185519 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.9  | 0.0   | 42.4   |
| 88       | 13.9  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 55.358 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 65267 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.0 | 81.3  | 121.9 |
| 192      | 21.5  | 16.9  | 25.3  |

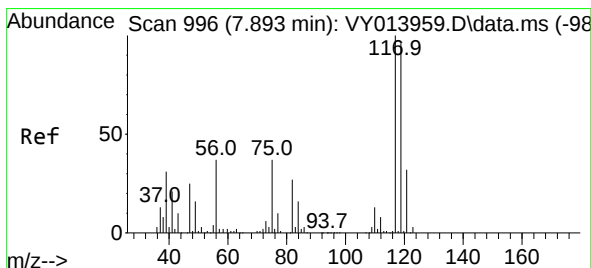
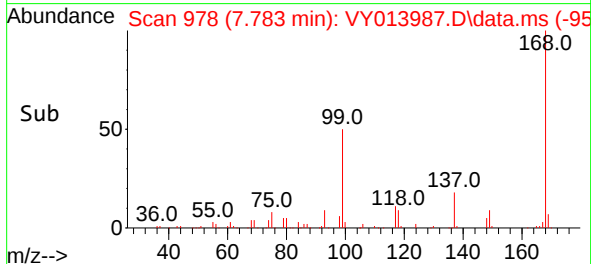
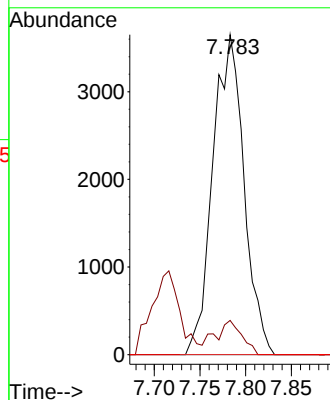
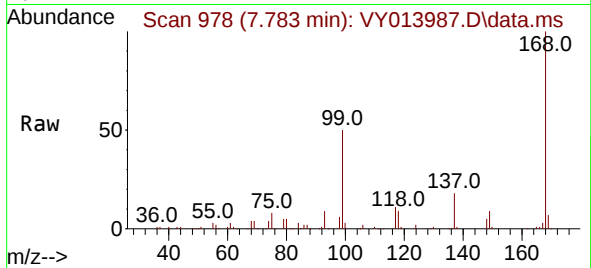




#36  
1,1-Dichloropropene  
Concen: 5.150 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

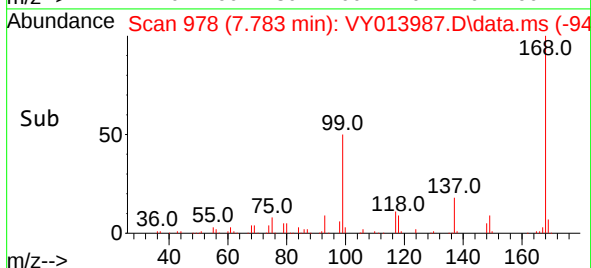
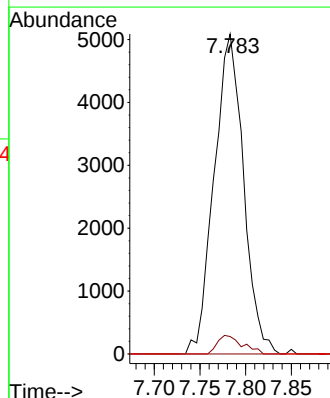
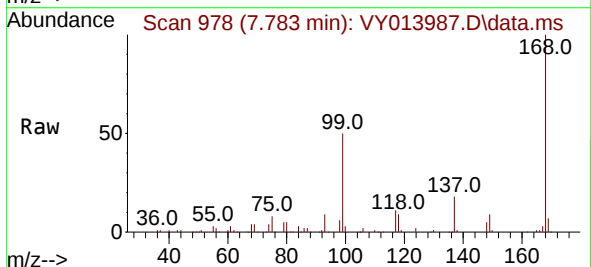
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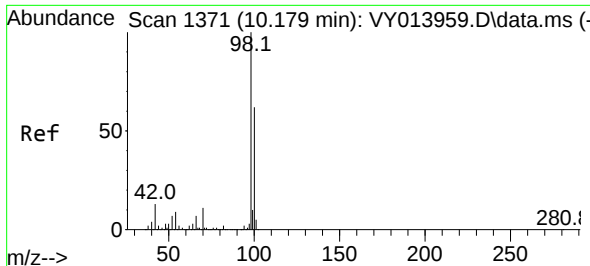
Tgt Ion: 75 Resp: 8651  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.038 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

Tgt Ion: 117 Resp: 11364  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.4 114.6#  
121 0.0 25.8 38.6#

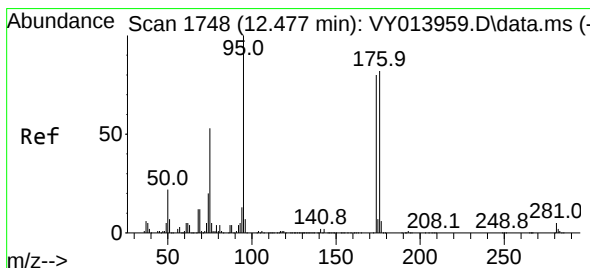
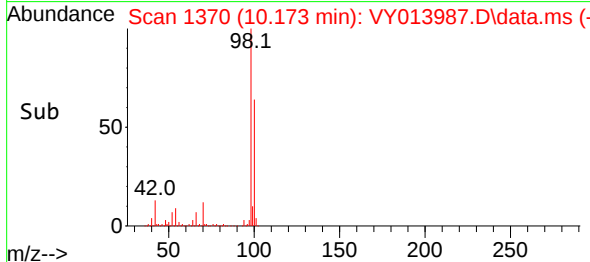
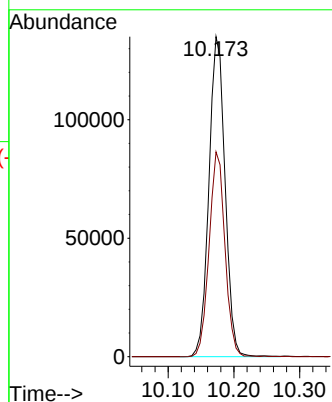
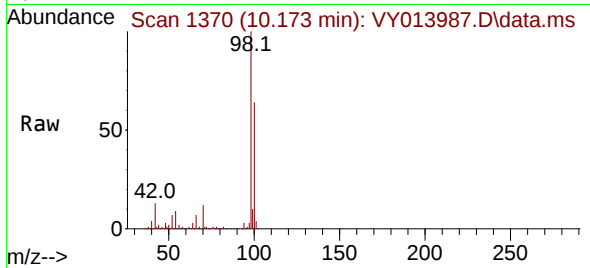




#50  
Toluene-d8  
Concen: 51.286 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

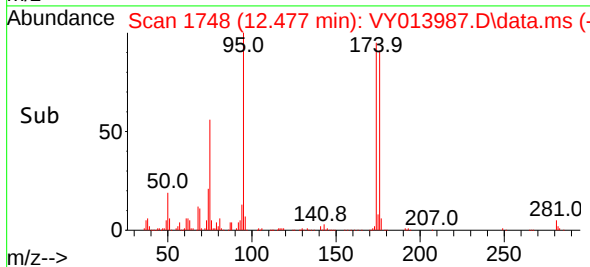
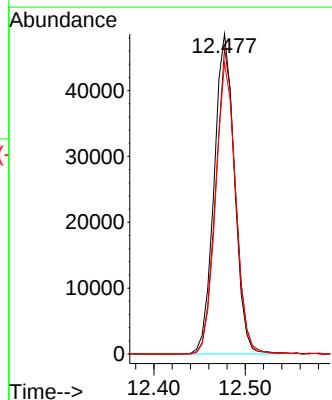
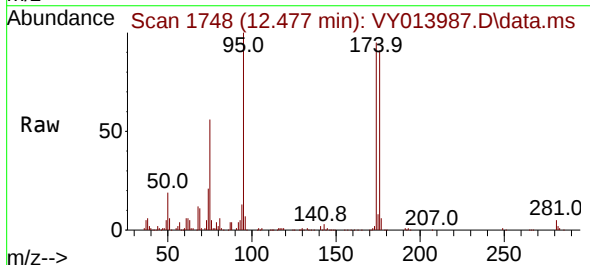
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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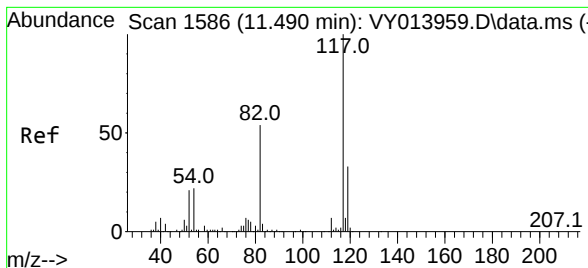
Tgt Ion: 98 Resp: 230644  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.042 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

Tgt Ion: 95 Resp: 75190  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 178.2  
176 89.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013987.D

Acq: 02 Jun 2023 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

EO-3-060123

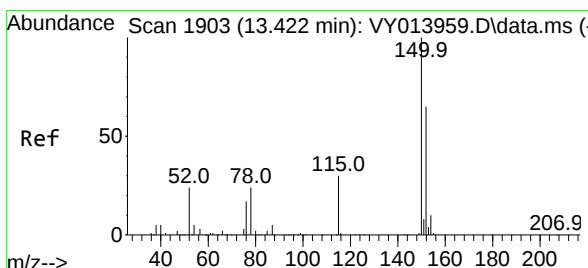
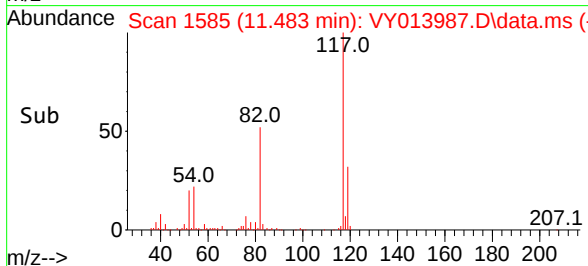
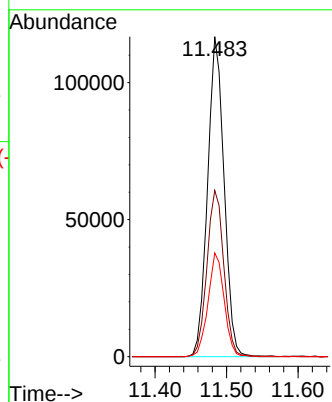
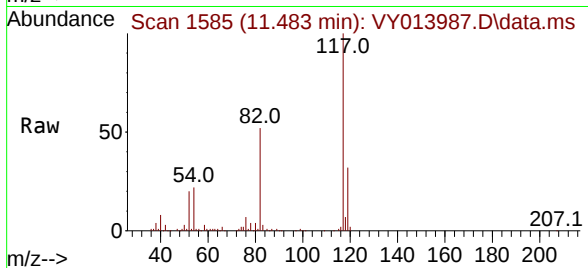
Tgt Ion:117 Resp: 187007

Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013987.D

Acq: 02 Jun 2023 14:10

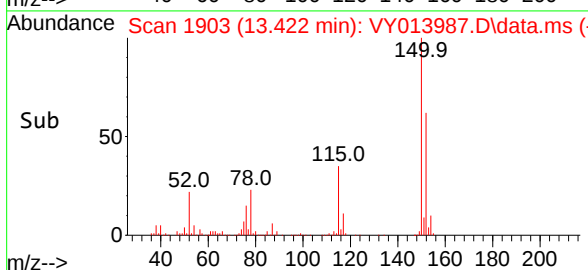
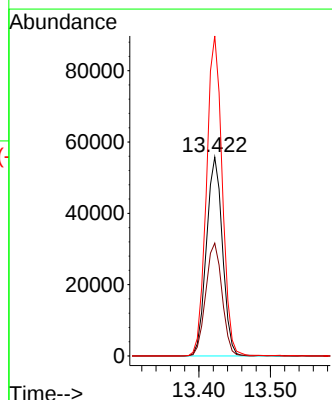
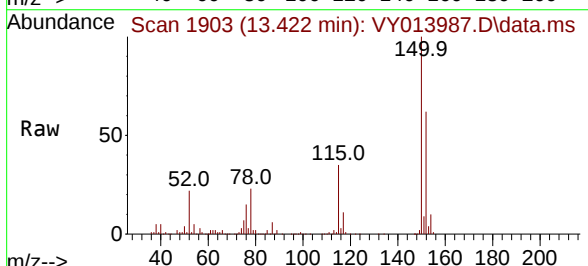
Tgt Ion:152 Resp: 86906

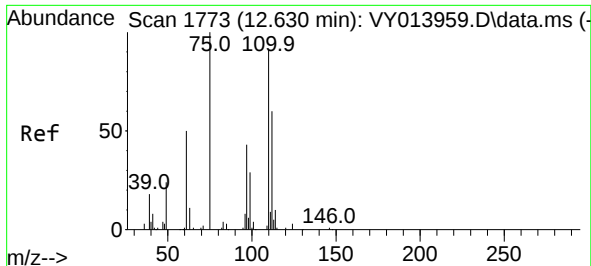
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 158.4 0.0 348.8

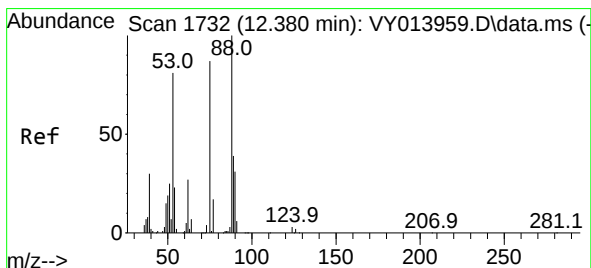
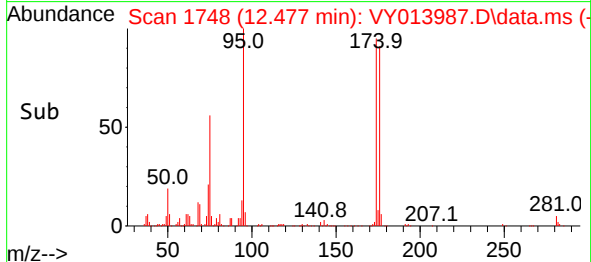
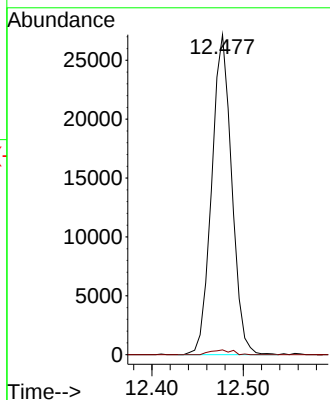
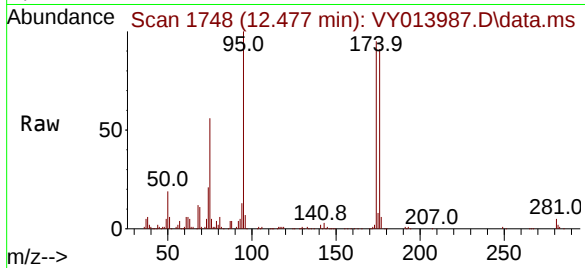




#76  
1,2,3-Trichloropropane  
Concen: 35.357 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

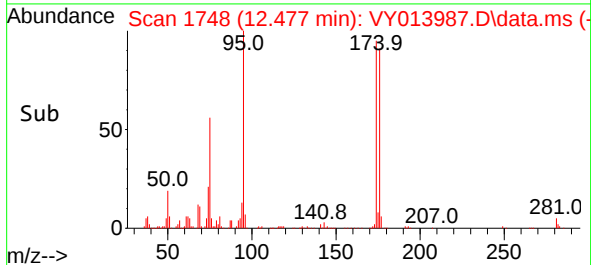
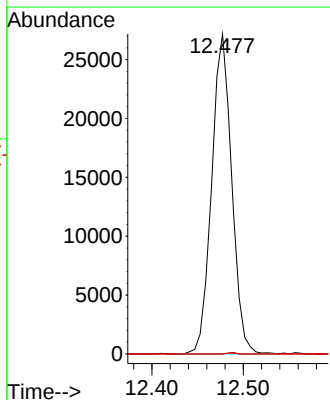
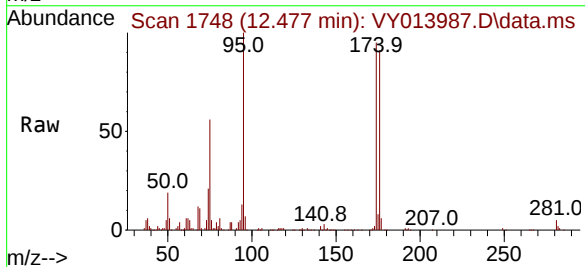
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123

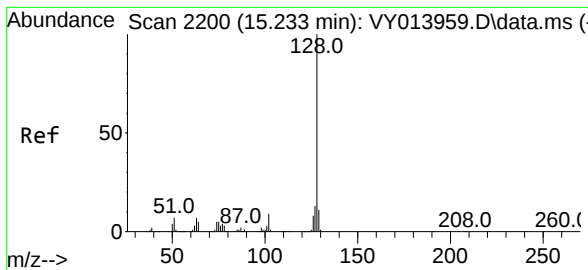
Tgt Ion: 75 Resp: 41350  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.011 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

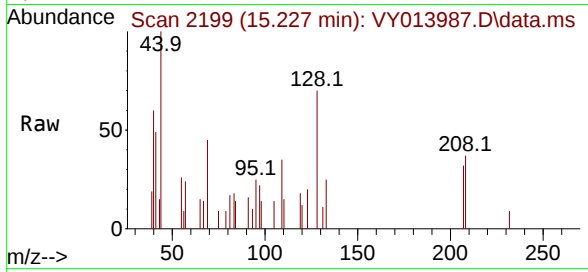
Tgt Ion: 75 Resp: 41350  
Ion Ratio Lower Upper  
75 100  
53 0.2 77.8 116.8#  
89 0.1 37.4 56.0#





#95  
Naphthalene  
Concen: 4.009 ug/l  
RT: 15.227 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY013987.D  
Acq: 02 Jun 2023 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-3-060123



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 564   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 4.6   | 10.8  | 16.2# |
| 129      | 0.0   | 8.6   | 13.0# |

