

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062222\  
 Data File : VY009272.D  
 Acq On : 22 Jun 2022 14:24  
 Operator : KP/MD  
 Sample : N3413-01RE  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-062022

Quant Time: Jun 23 01:55:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 14:08:27 2022  
 Response via : Initial Calibration

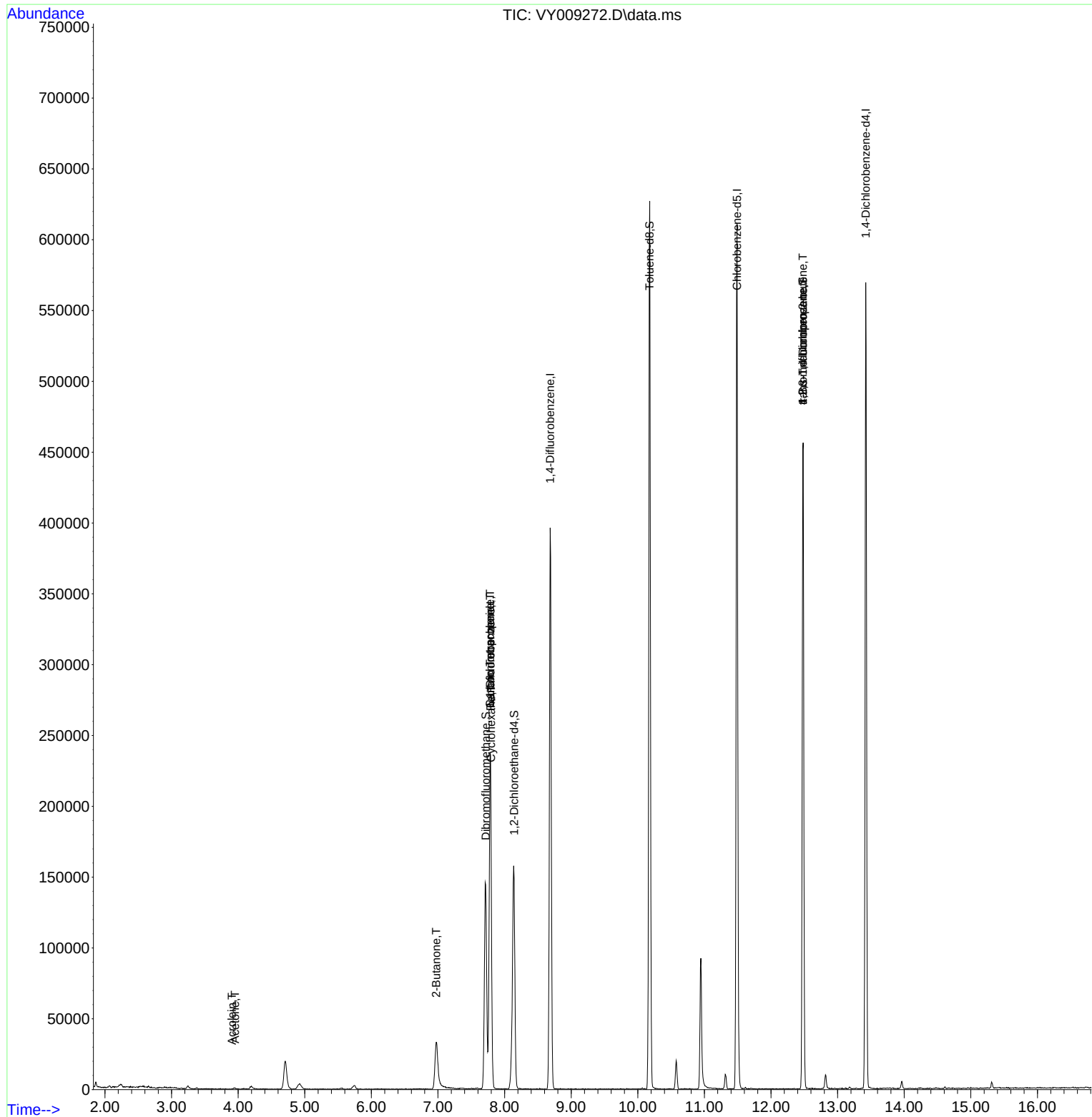
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 191020     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 334426     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 321257     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 145093     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143          | 65   | 113093     | 53.91     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 107.82%   |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 103363     | 47.72     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 95.44%    |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 402792     | 48.41     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 96.82%    |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 137060     | 46.88     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 93.76%    |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 4.936          | 59   | 4679       | Below Cal | #      | 77       |
| 13) Acrolein                  | 3.906          | 56   | 35         | 30.39     | ug/l # | 14       |
| 16) Acetone                   | 3.954          | 43   | 1074       | 2.07      | ug/l # | 47       |
| 18) Methyl Acetate            | 4.473          | 43   | 105        | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710          | 84   | 14001      | Below Cal |        | 93       |
| 25) 2-Butanone                | 6.972          | 43   | 2189       | 2.62      | ug/l # | 54       |
| 31) Cyclohexane               | 7.795          | 56   | 3985       | 1.09      | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 14729      | 4.47      | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 18451      | 5.38      | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 72132      | 42.40     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 72132      | 89.91     | ug/l # | 7        |
| -----                         |                |      |            |           |        |          |

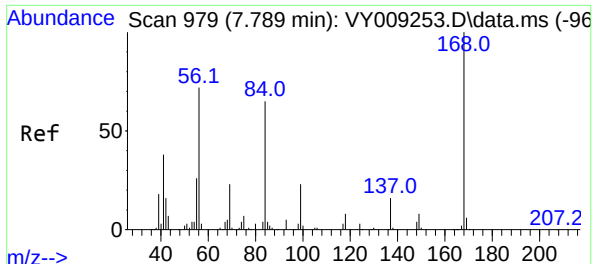
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 21 14:08:27 2022  
Response via : Initial Calibration

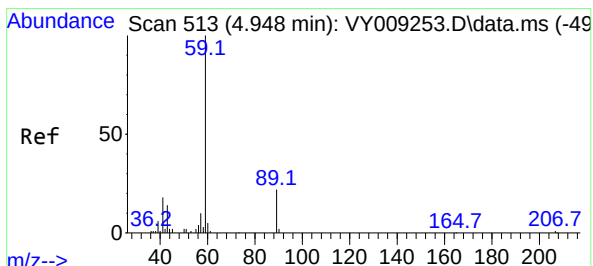
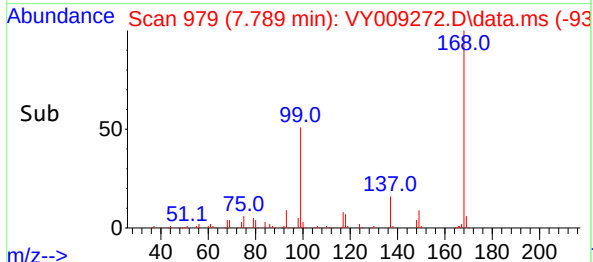
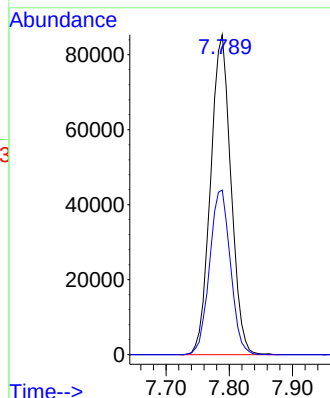
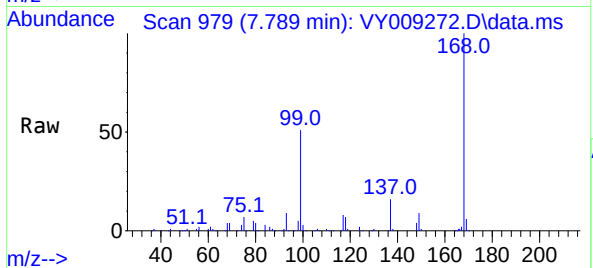




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

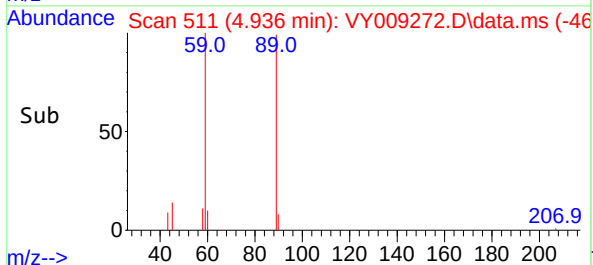
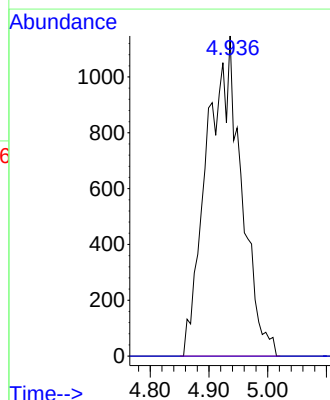
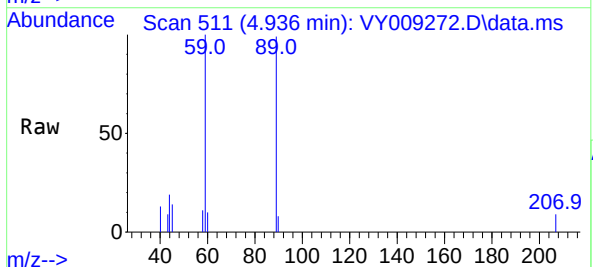
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

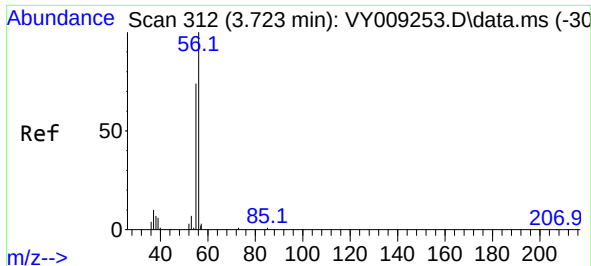
Tgt Ion:168 Resp: 191020  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 59 Resp: 4679  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

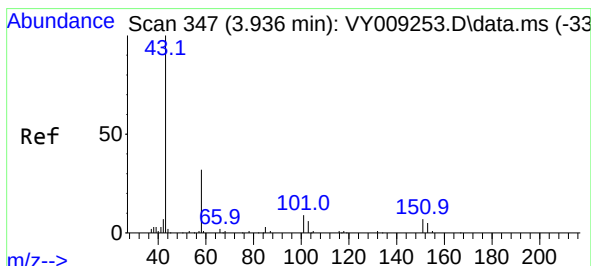
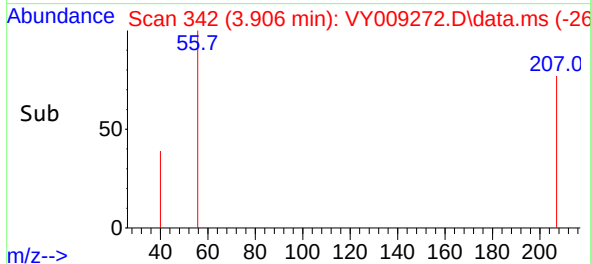
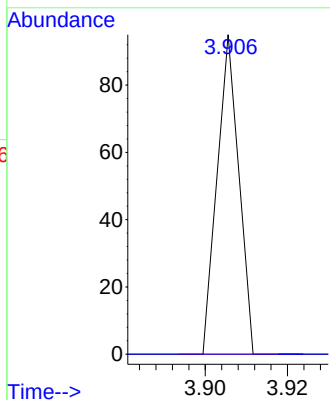
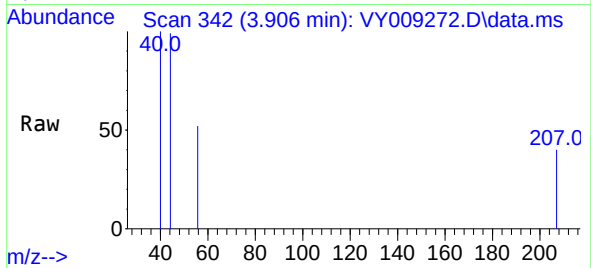




#13  
Acrolein  
Concen: 30.39 ug/l  
RT: 3.906 min Scan# 34  
Delta R.T. 0.183 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

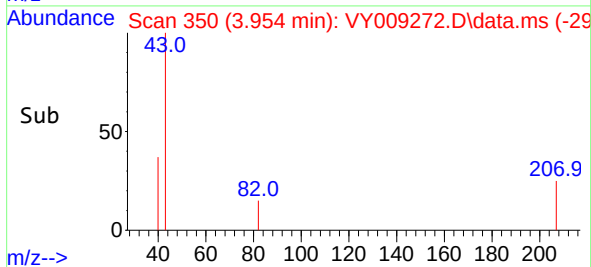
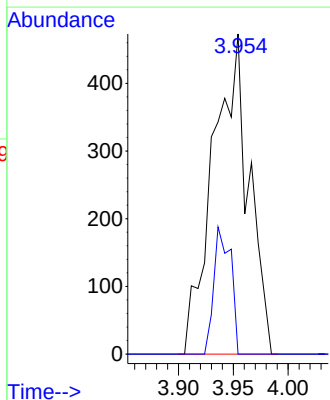
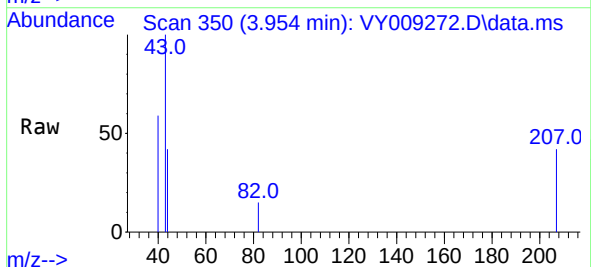
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

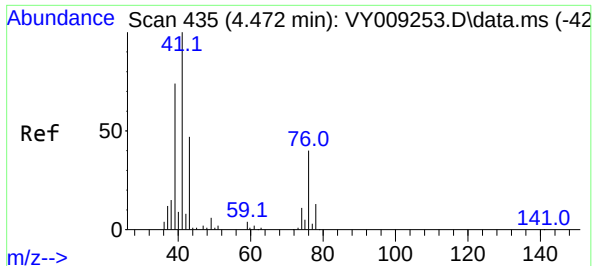
Tgt Ion: 56 Resp: 35  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.6 86.4#



#16  
Acetone  
Concen: 2.07 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.018 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 43 Resp: 1074  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#

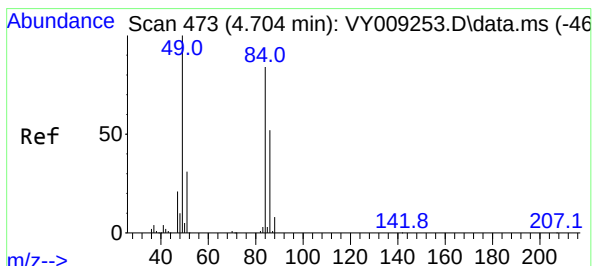
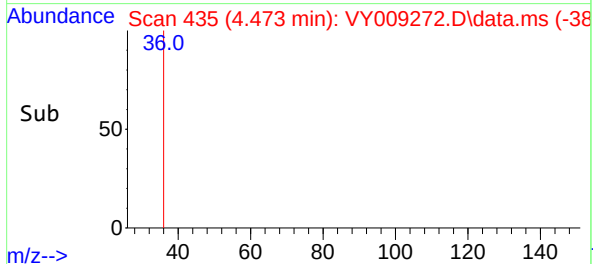
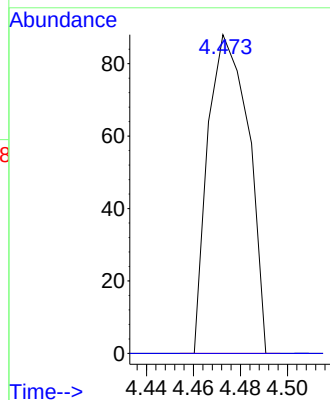
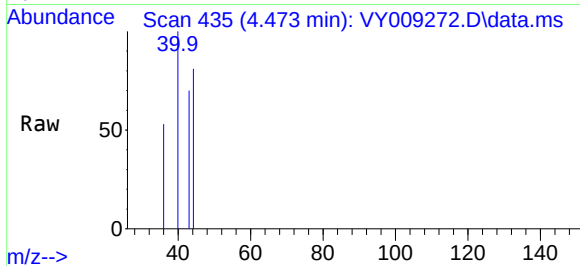




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.473 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

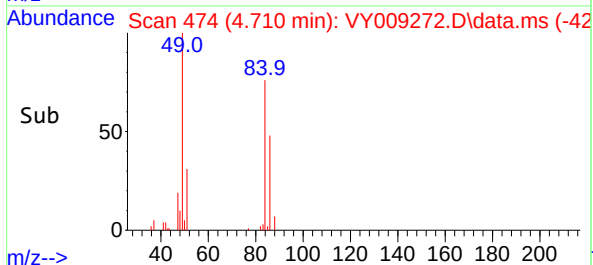
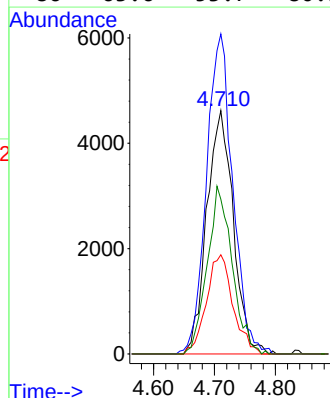
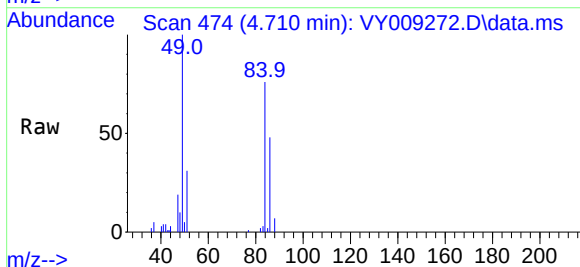
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

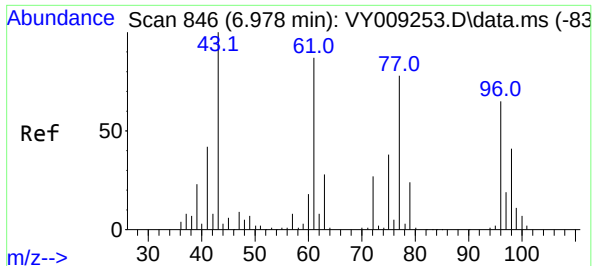
Tgt Ion: 43 Resp: 105  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 84 Resp: 14001  
Ion Ratio Lower Upper  
84 100  
49 131.5 114.4 171.6  
51 40.8 35.3 52.9  
86 63.6 53.7 80.5





#25

2-Butanone

Concen: 2.62 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009272.D

Acq: 22 Jun 2022 14:24

Instrument :

MSVOA\_Y

ClientSampleId :

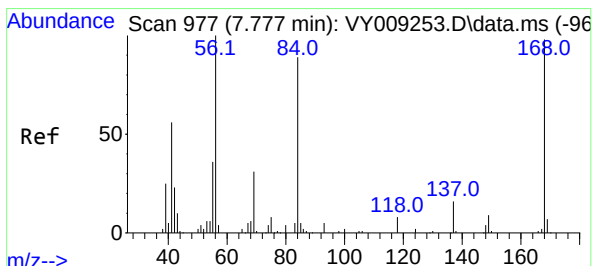
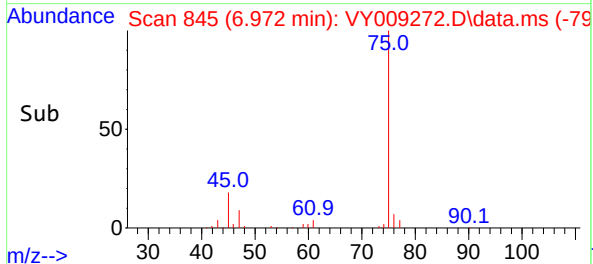
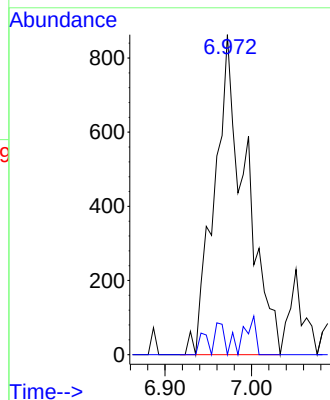
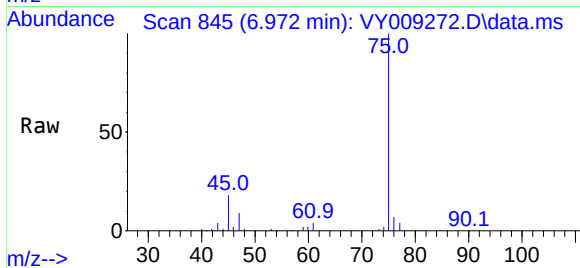
EO-01-062022

Tgt Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.018 min

Lab File: VY009272.D

Acq: 22 Jun 2022 14:24

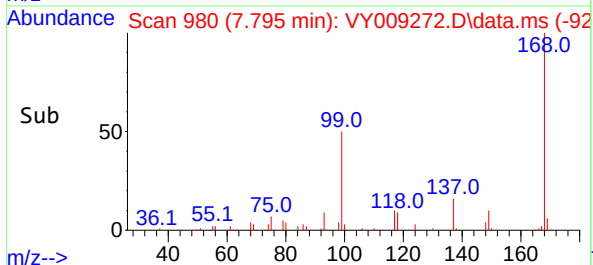
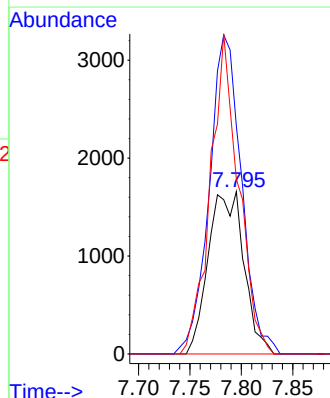
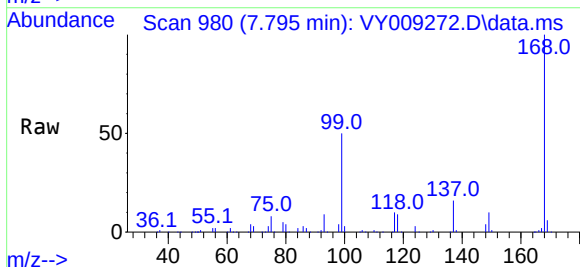
Tgt Ion: 56 Resp: 3985

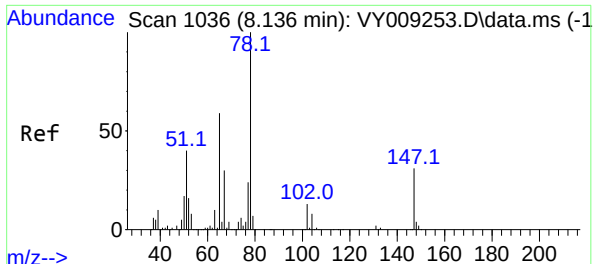
Ion Ratio Lower Upper

56 100

69 140.3 26.7 40.1#

84 107.7 67.2 100.8#

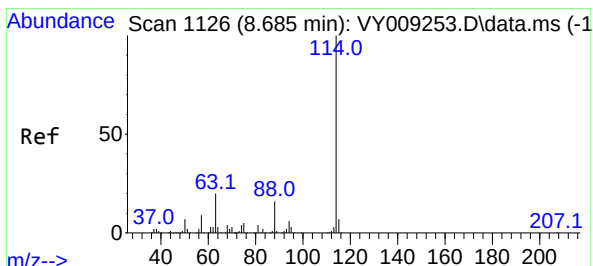
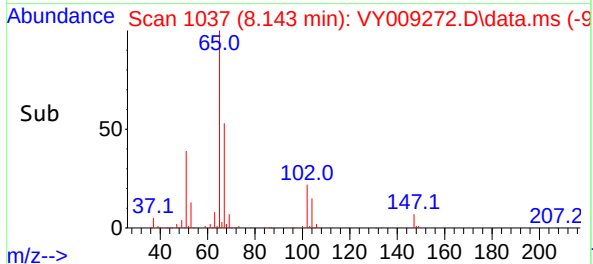
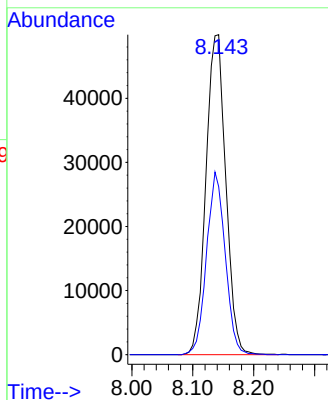
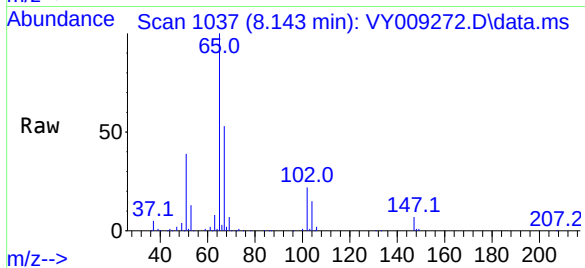




#33  
1,2-Dichloroethane-d4  
Concen: 53.91 ug/l  
RT: 8.143 min Scan# 1103  
Delta R.T. 0.007 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

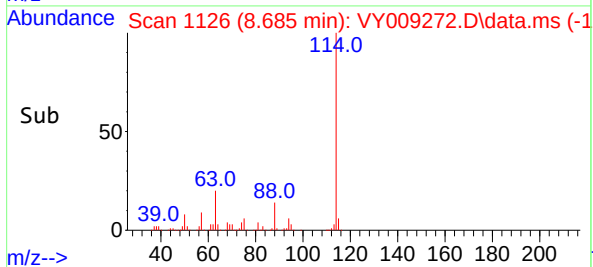
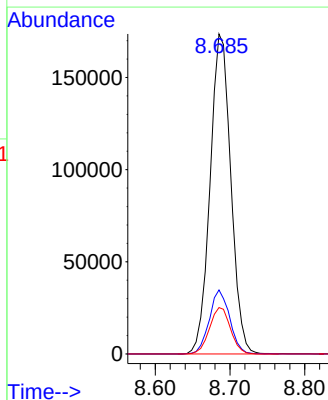
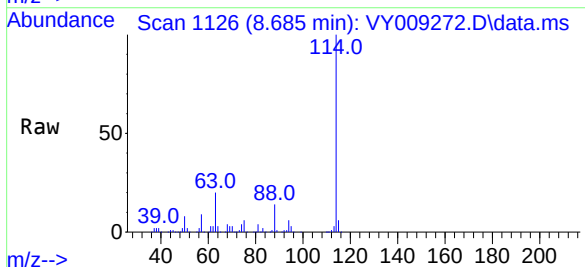
Instrument :  
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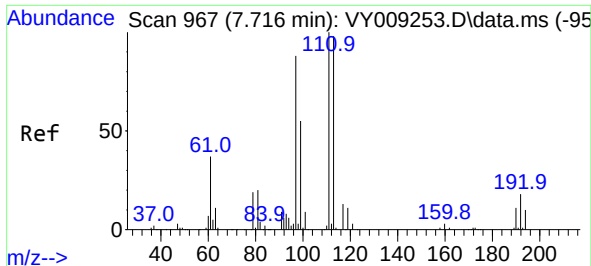
Tgt Ion: 65 Resp: 113093  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 114 Resp: 334426  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 43.2  
88 14.5 0.0 31.8

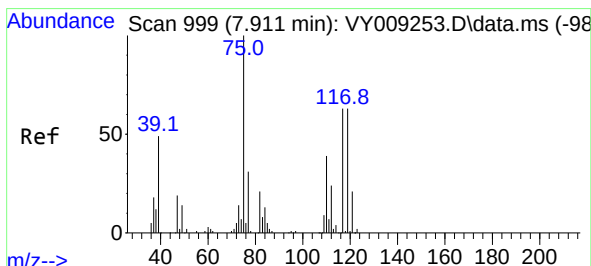
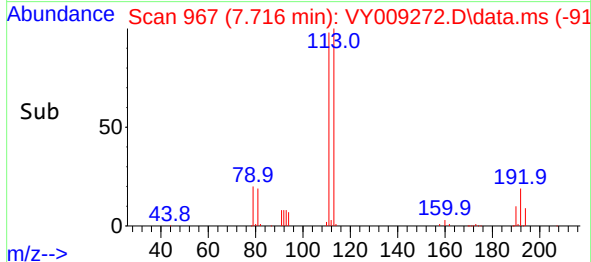
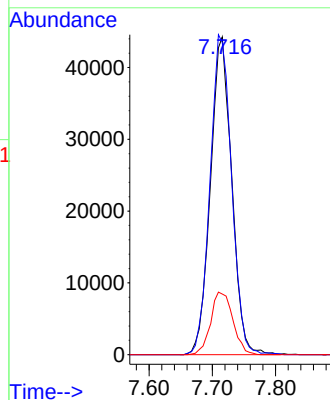
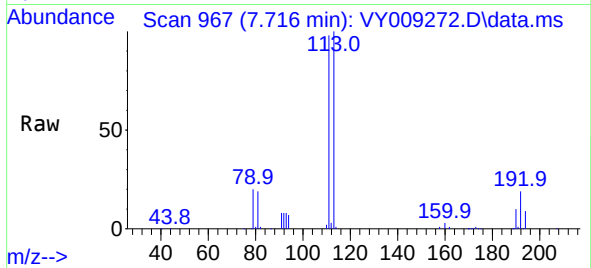




#35  
Dibromofluoromethane  
Concen: 47.72 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

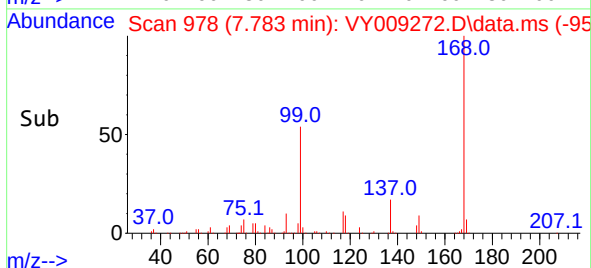
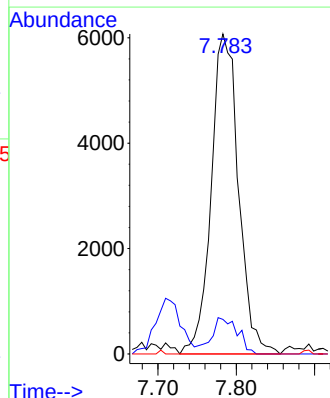
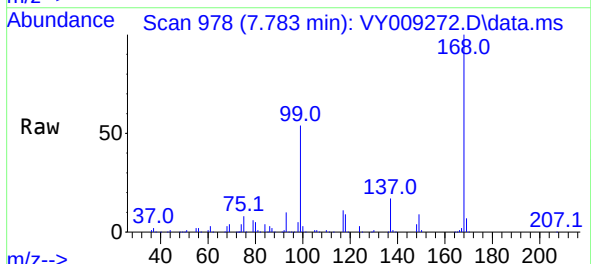
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

Tgt Ion:113 Resp: 103363  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 124.0  
192 20.5 17.6 26.4

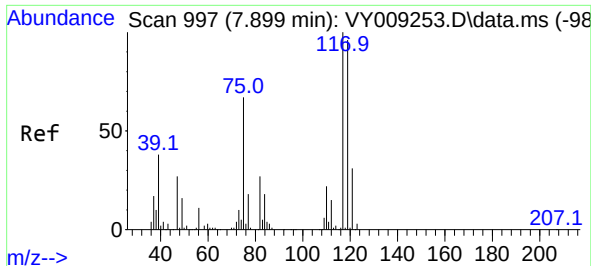


#36  
1,1-Dichloropropene  
Concen: 4.47 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 75 Resp: 14729  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.1 51.2#  
77 0.0 24.4 36.6#



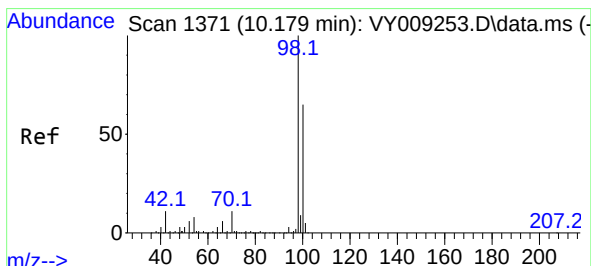
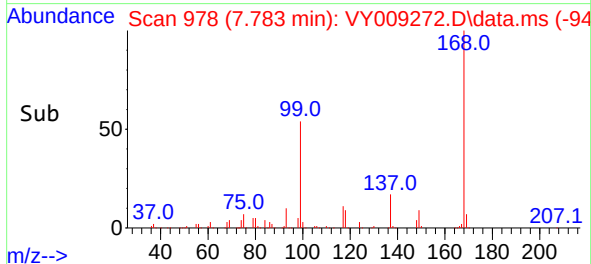
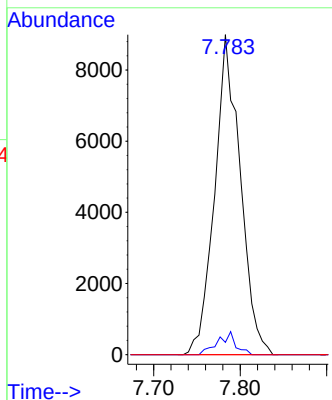
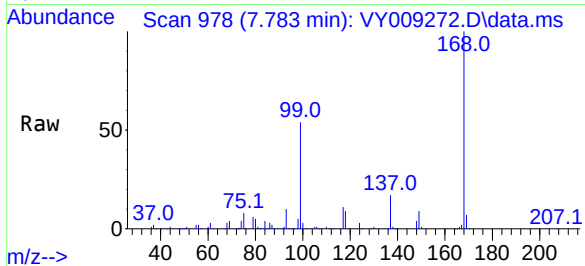




#38  
Carbon Tetrachloride  
Concen: 5.38 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

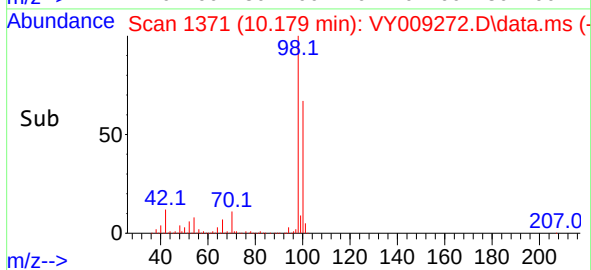
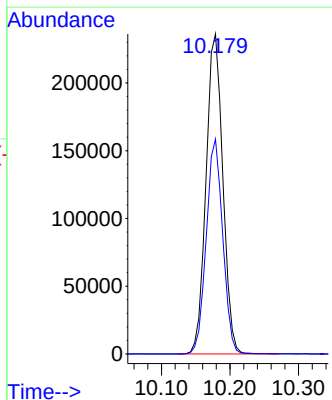
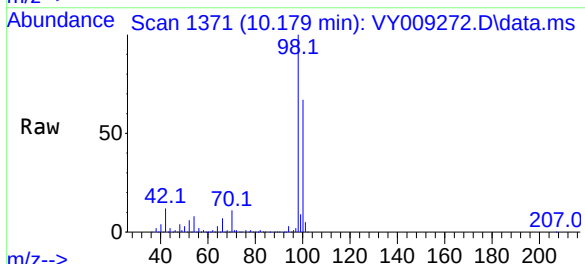
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

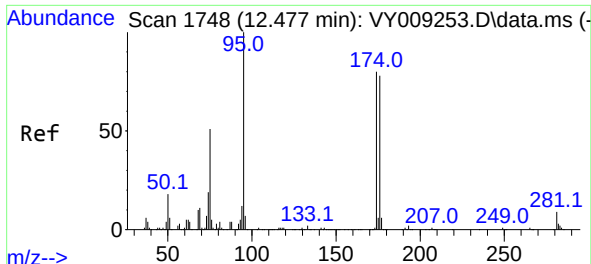
Tgt Ion:117 Resp: 18451  
Ion Ratio Lower Upper  
117 100  
119 3.8 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.41 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 98 Resp: 402792  
Ion Ratio Lower Upper  
98 100  
100 65.8 50.2 75.2

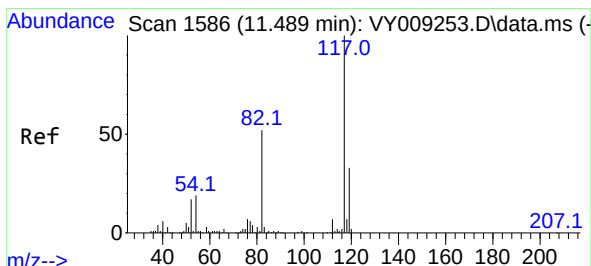
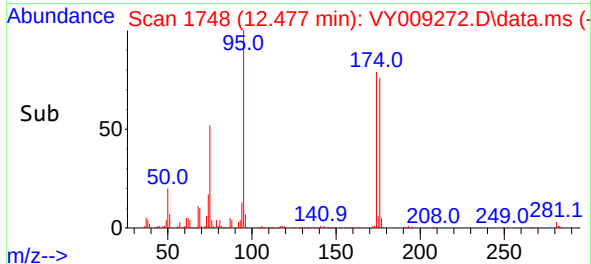
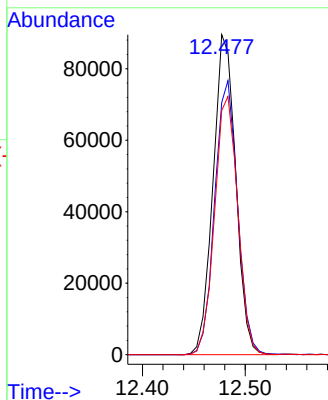
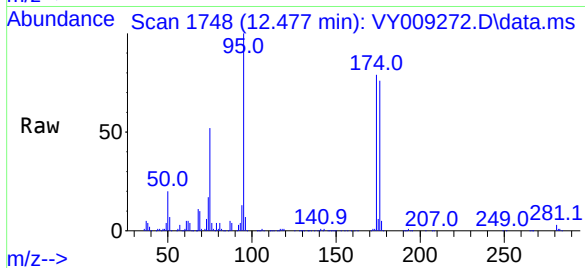




#62  
4-Bromofluorobenzene  
Concen: 46.88 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

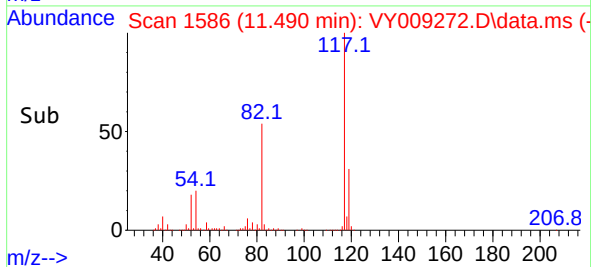
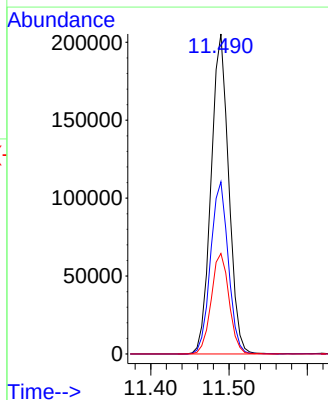
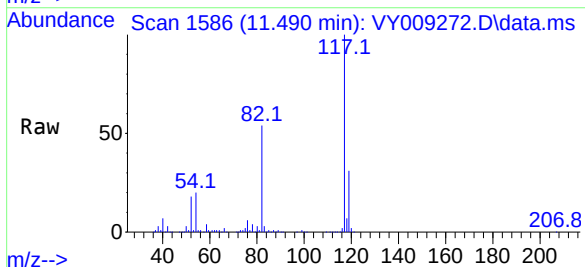
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-062022

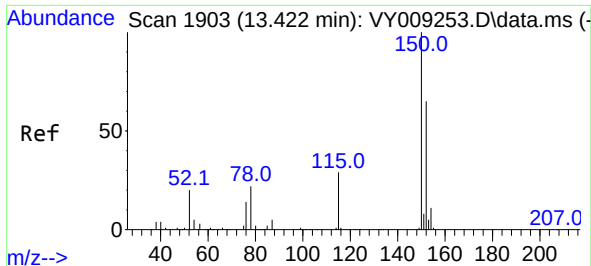
Tgt Ion: 95 Resp: 137060  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 177.0  
176 82.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY009272.D  
Acq: 22 Jun 2022 14:24

Tgt Ion: 117 Resp: 321257  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.0 64.4  
119 31.4 25.4 38.0

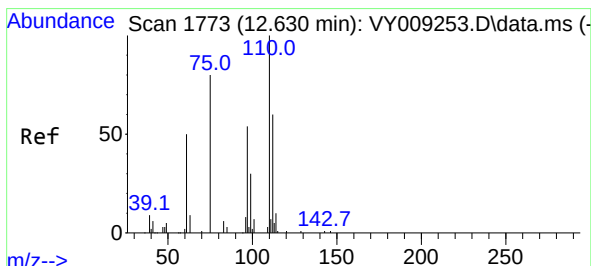
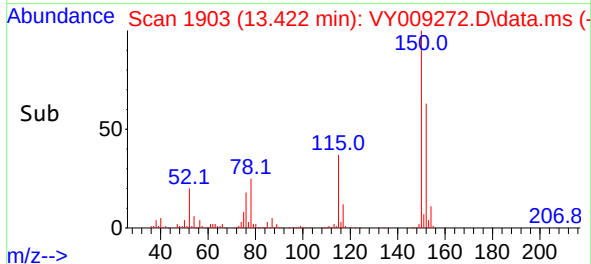
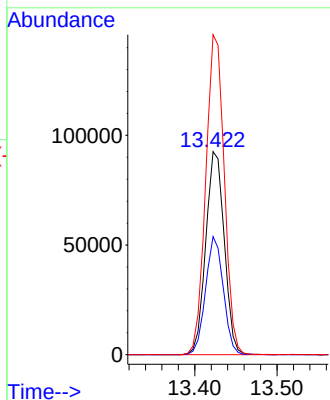
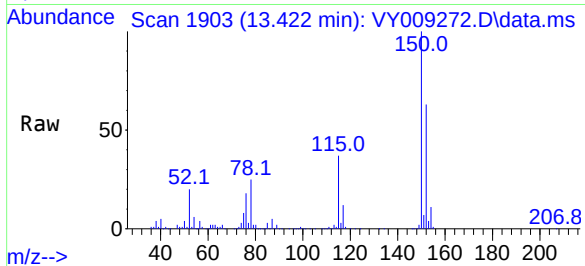




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY009272.D  
 Acq: 22 Jun 2022 14:24

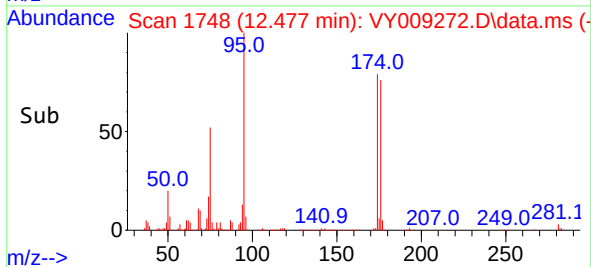
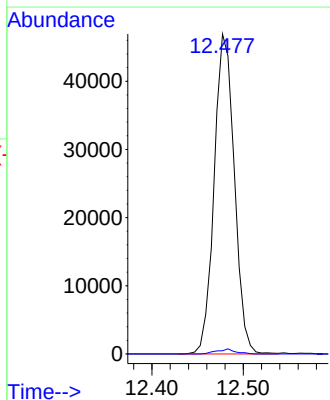
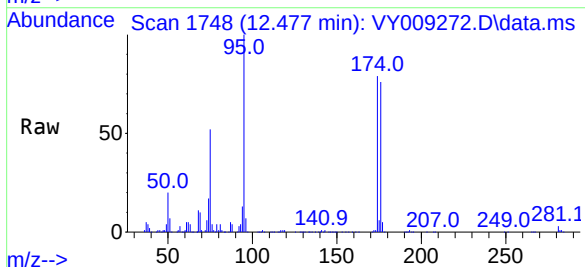
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-062022

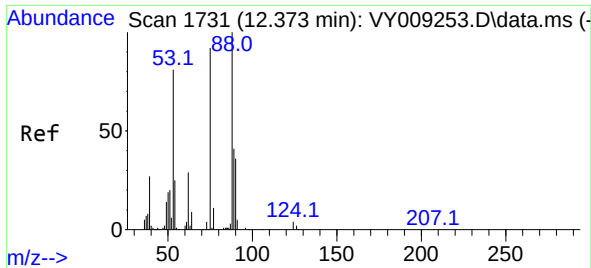
Tgt Ion:152 Resp: 145093  
 Ion Ratio Lower Upper  
 152 100  
 115 55.7 28.2 84.7  
 150 157.4 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 42.40 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY009272.D  
 Acq: 22 Jun 2022 14:24

Tgt Ion: 75 Resp: 72132  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.91 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009272.D  
 Acq: 22 Jun 2022 14:24

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-062022

Tgt Ion: 75 Resp: 72132  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.1 37.0 55.4#

