

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100622\  
 Data File : VY010839.D  
 Acq On : 06 Oct 2022 13:06  
 Operator : KP/MD  
 Sample : N5012-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OE-3-100522

Quant Time: Oct 07 02:28:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

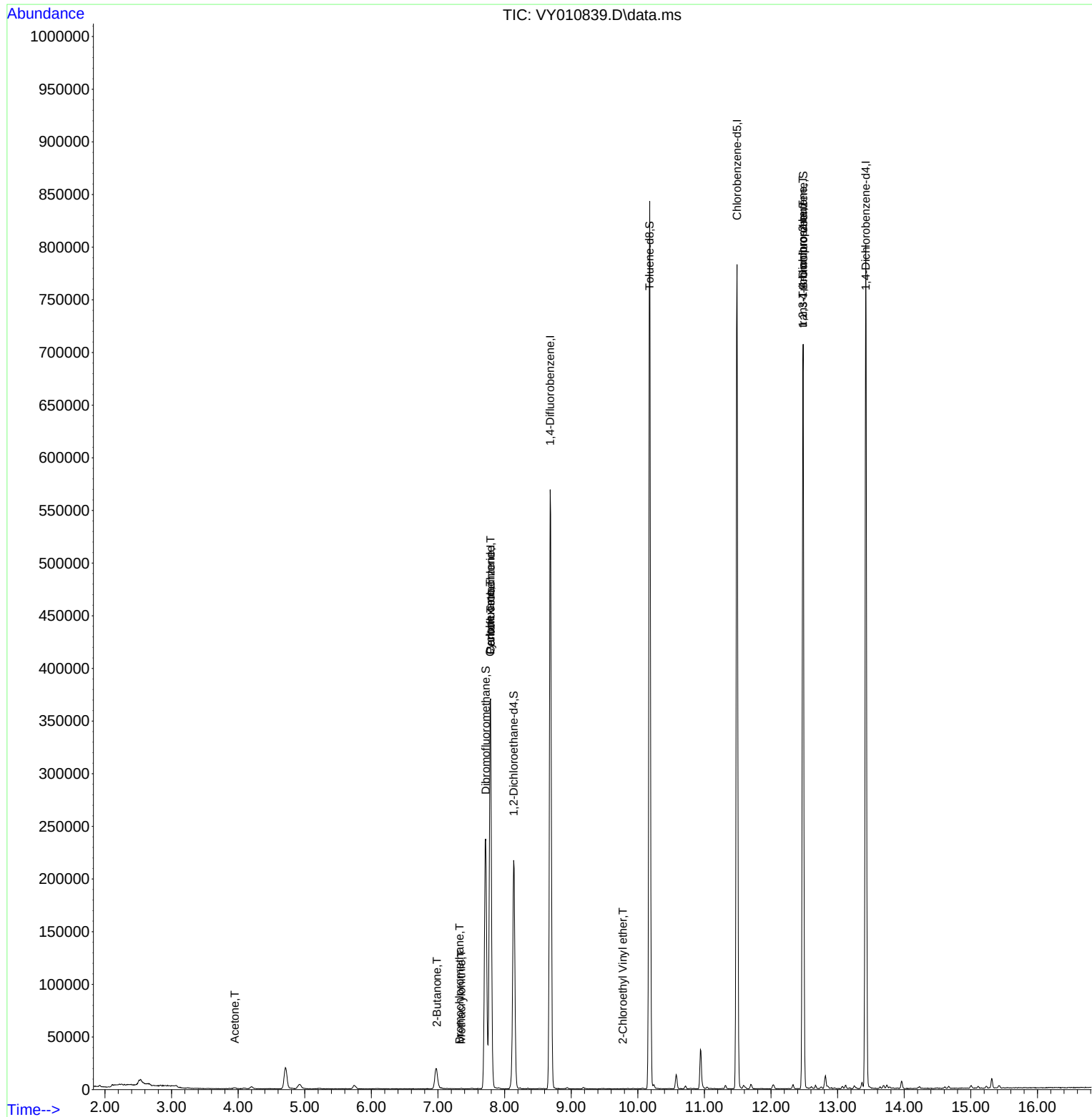
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 285282   | 50.000    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 480911   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 428232   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 199366   | 50.000    | ug/l  | 0.00     |
|                               |        |       |          |           |       |          |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 164868   | 57.014    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =     | 114.020% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 173247   | 54.270    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =     | 108.540% |
| 50) Toluene-d8                | 10.179 | 98    | 541628   | 49.612    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =     | 99.220%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 211827   | 49.637    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =     | 99.280%  |
|                               |        |       |          |           |       |          |
| Target Compounds              |        |       |          |           |       |          |
| 11) Tert butyl alcohol        | 4.924  | 59    | 4509     | Below Cal | #     | 77       |
| 16) Acetone                   | 3.948  | 43    | 1770     | 2.410     | ug/l  | 94       |
| 20) Methylene Chloride        | 4.710  | 84    | 15293    | Below Cal | #     | 84       |
| 25) 2-Butanone                | 6.984  | 43    | 1843     | 1.745     | ug/l  | 93       |
| 28) Bromochloromethane        | 7.326  | 49    | 53       | 4.736     | ug/l  | # 16     |
| 31) Cyclohexane               | 7.783  | 56    | 6176     | 1.193     | ug/l  | # 1      |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 28156    | 5.866     | ug/l  | # 16     |
| 41) Methacrylonitrile         | 7.350  | 41    | 110      | 2.660     | ug/l  | # 29     |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63    | 133      | 25.866    | ug/l  | # 48     |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 109942   | 54.455    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 109942   | 113.751   | ug/l  | # 7      |
| -----                         |        |       |          |           |       |          |

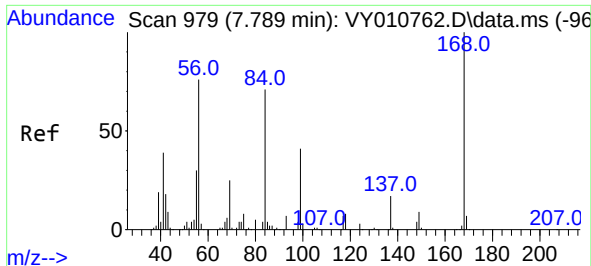
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100622\  
Data File : VY010839.D  
Acq On : 06 Oct 2022 13:06  
Operator : KP/MD  
Sample : N5012-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

Quant Time: Oct 07 02:28:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 04 07:26:22 2022  
Response via : Initial Calibration

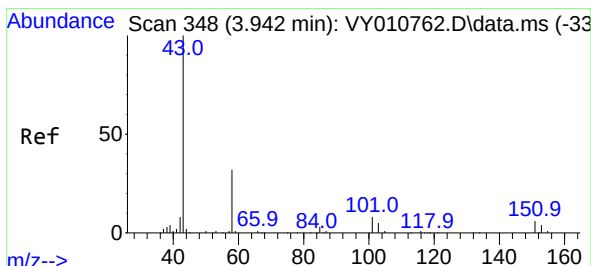
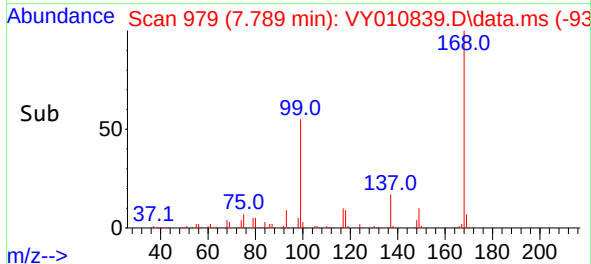
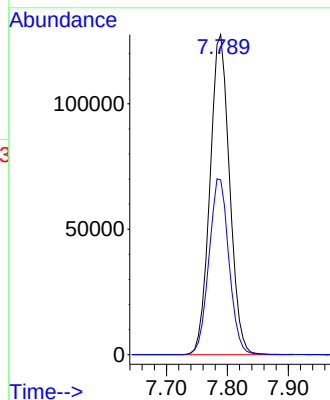
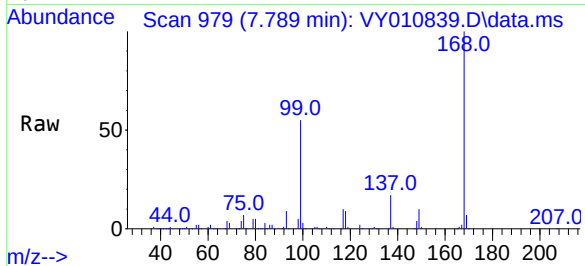




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

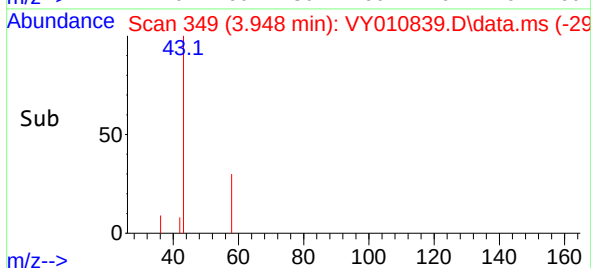
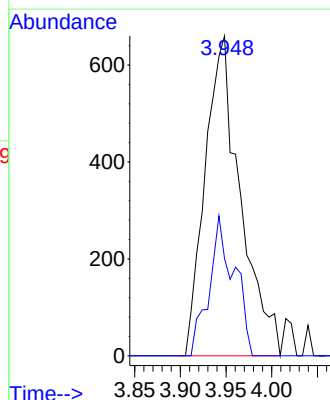
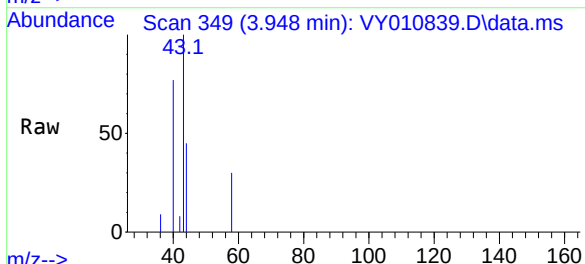
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

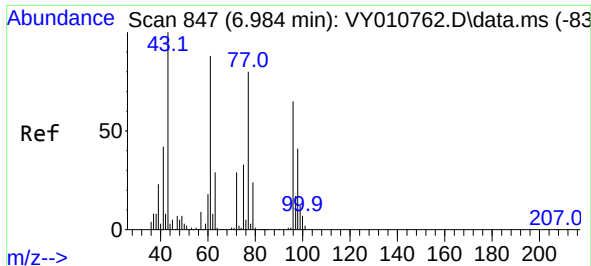
Tgt Ion:168 Resp: 285282  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.9 70.3



#16  
Acetone  
Concen: 2.410 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 43 Resp: 1770  
Ion Ratio Lower Upper  
43 100  
58 30.5 22.0 33.0

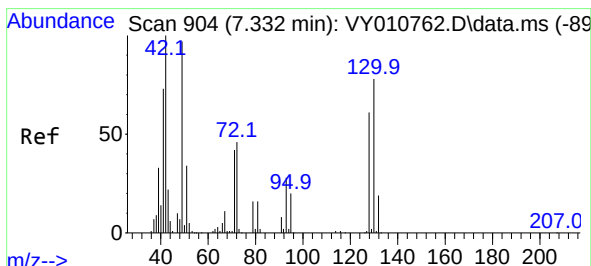
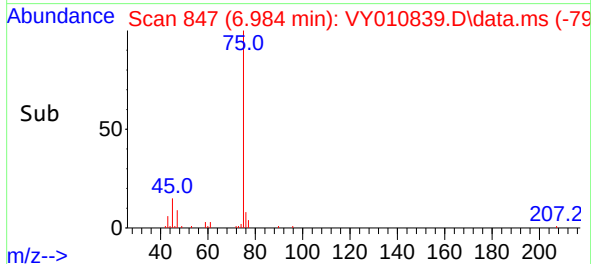
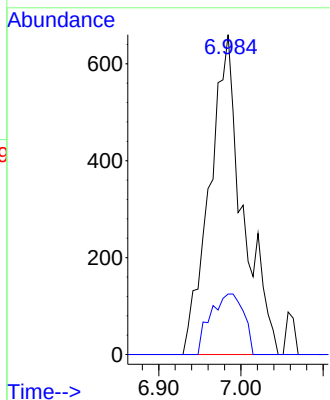
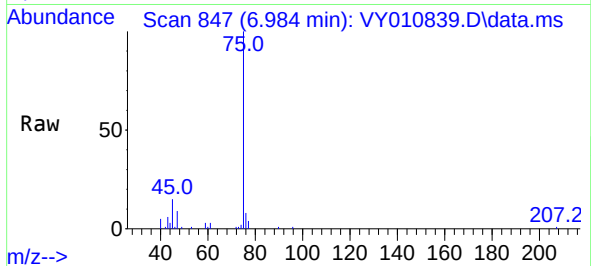




#25  
2-Butanone  
Concen: 1.745 ug/l  
RT: 6.984 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

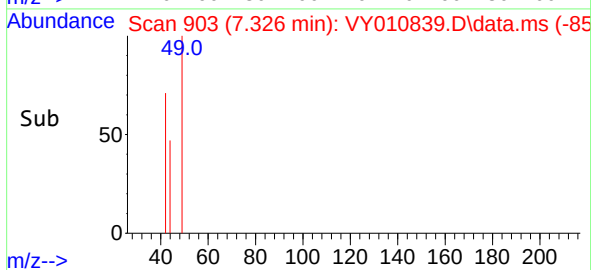
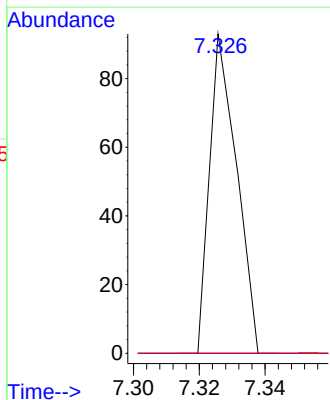
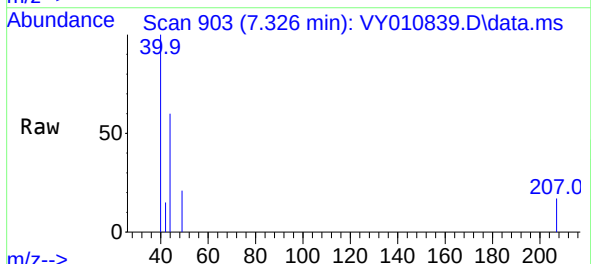
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

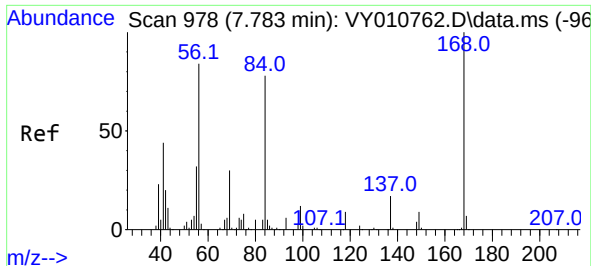
Tgt Ion: 43 Resp: 1843  
Ion Ratio Lower Upper  
43 100  
72 18.9 17.7 26.5



#28  
Bromochloromethane  
Concen: 4.736 ug/l  
RT: 7.326 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 49 Resp: 53  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 2.2  
130 0.0 55.4 83.0#

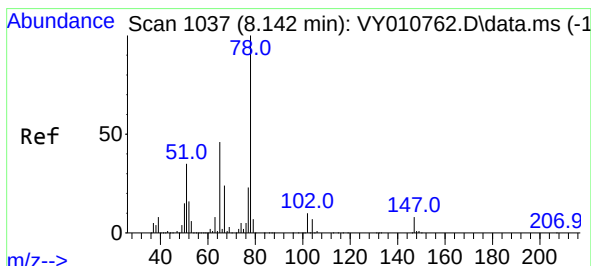
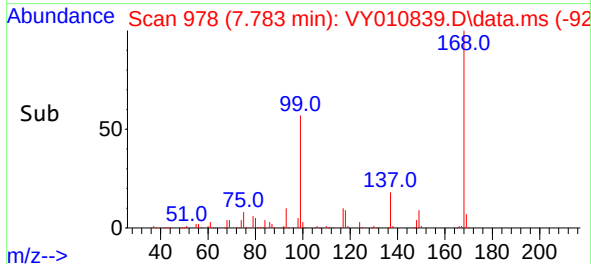
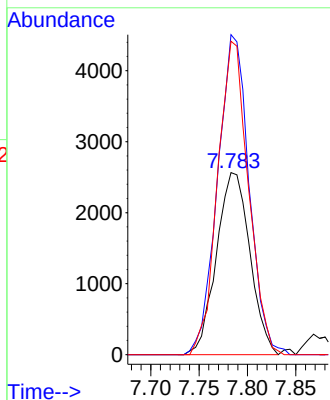
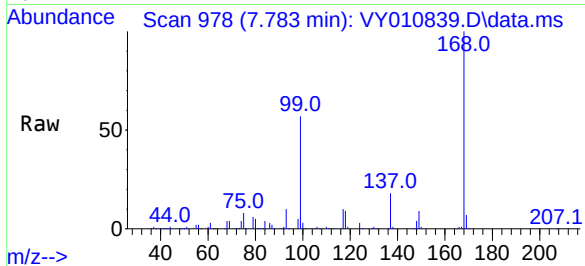




#31  
Cyclohexane  
Concen: 1.193 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

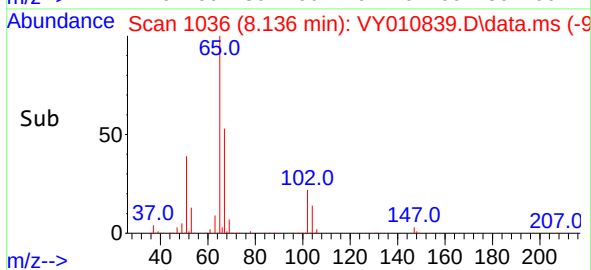
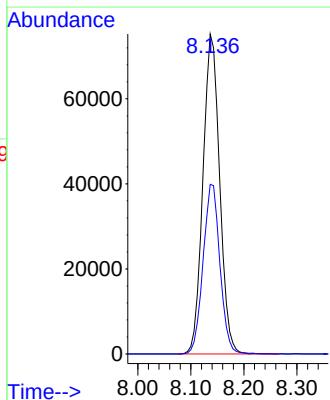
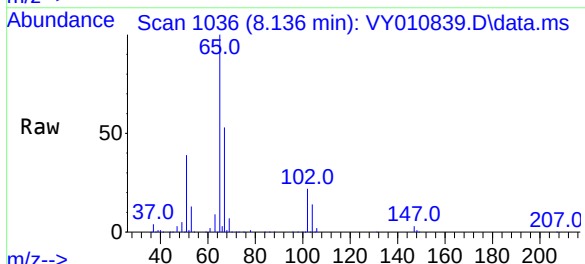
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

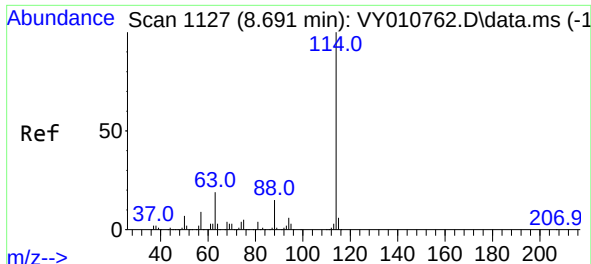
Tgt Ion: 56 Resp: 6176  
Ion Ratio Lower Upper  
56 100  
69 175.7 26.7 40.1#  
84 172.1 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 57.014 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 65 Resp: 164868  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010839.D

Acq: 06 Oct 2022 13:06

Instrument :

MSVOA\_Y

ClientSampleId :

OE-3-100522

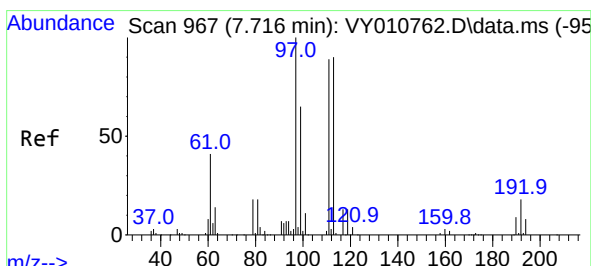
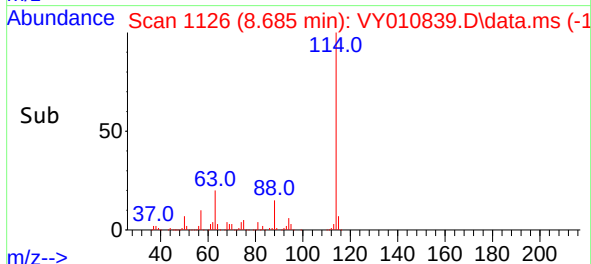
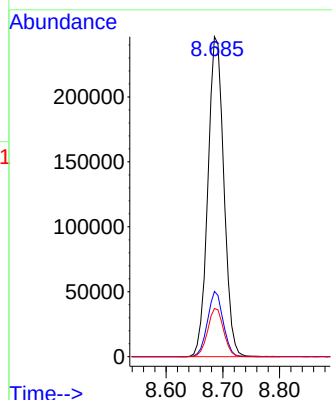
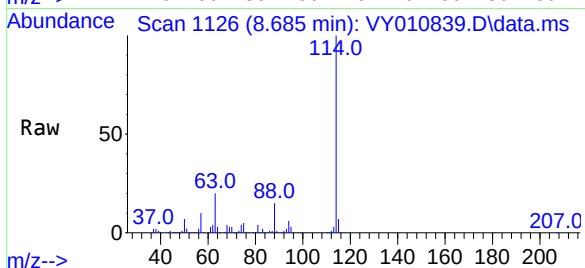
Tgt Ion:114 Resp: 480911

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.270 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010839.D

Acq: 06 Oct 2022 13:06

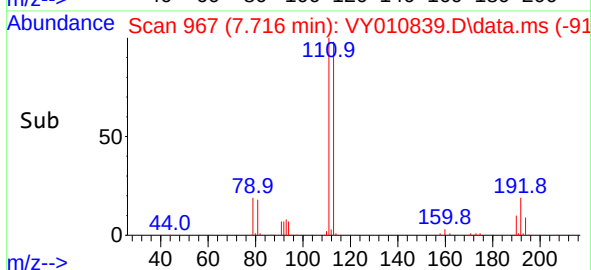
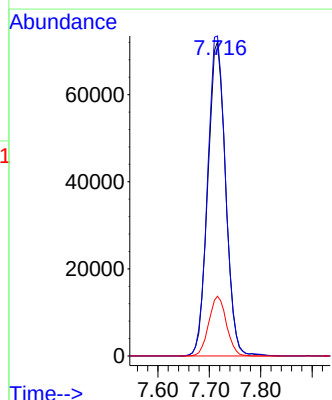
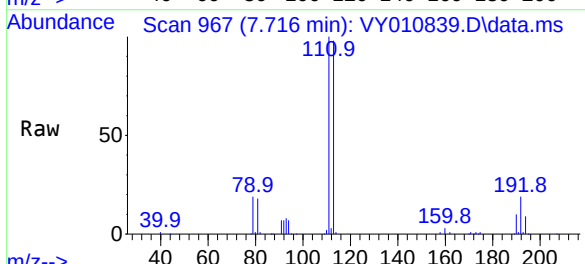
Tgt Ion:113 Resp: 173247

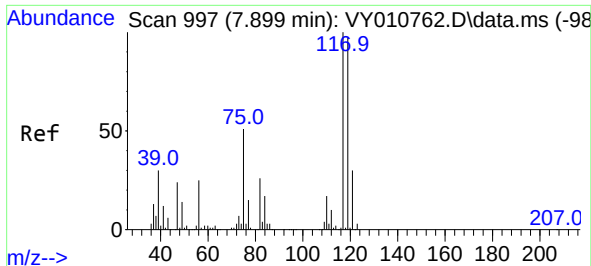
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 18.8 17.6 26.4

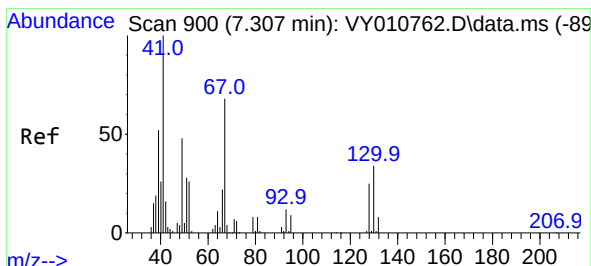
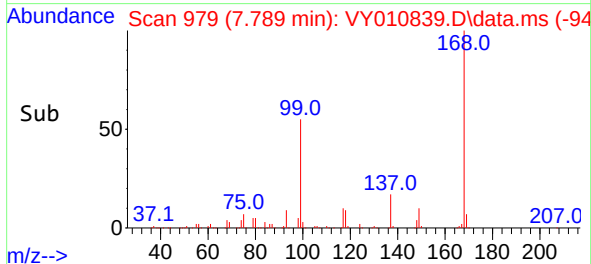
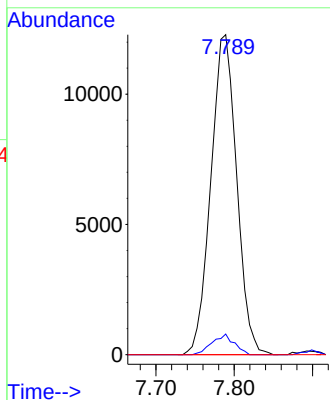
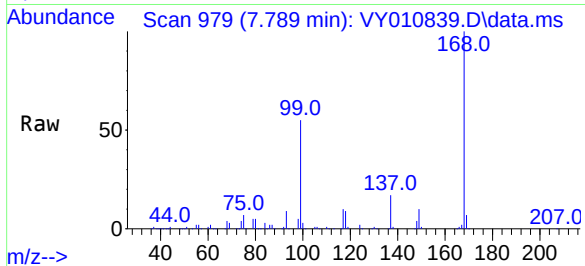




#38  
Carbon Tetrachloride  
Concen: 5.866 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

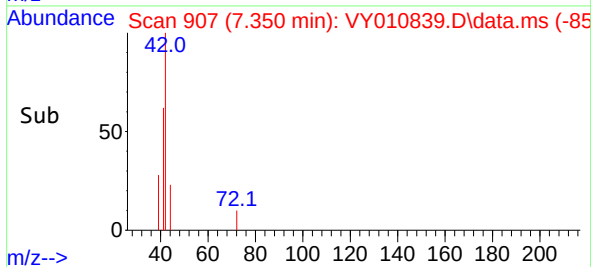
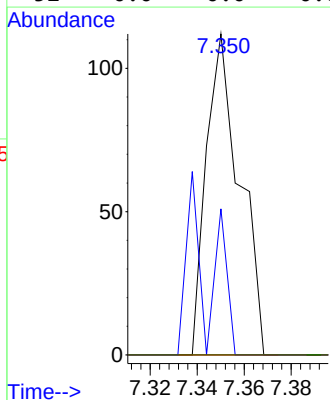
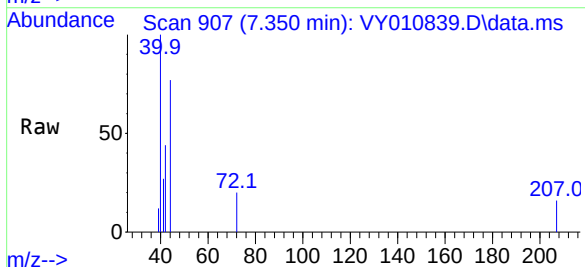
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

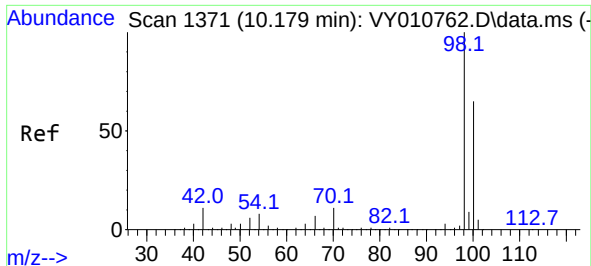
Tgt Ion:117 Resp: 28156  
Ion Ratio Lower Upper  
117 100  
119 6.4 77.9 116.9#  
121 0.0 24.8 37.2#



#41  
Methacrylonitrile  
Concen: 2.660 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.043 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 41 Resp: 110  
Ion Ratio Lower Upper  
41 100  
39 38.2 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0

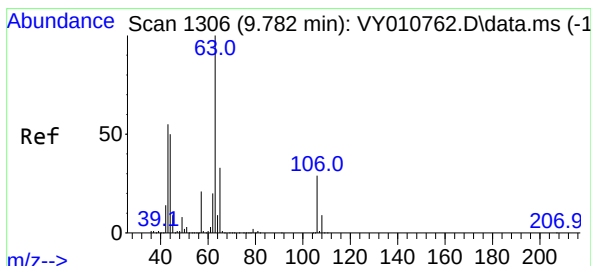
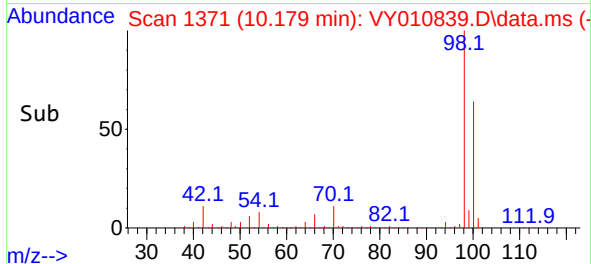
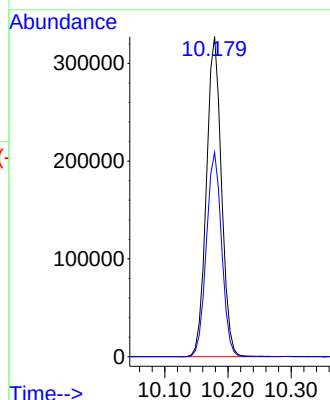
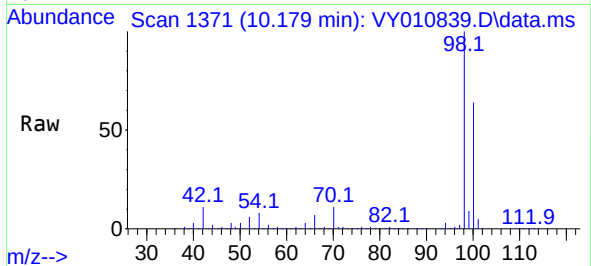




#50  
Toluene-d8  
Concen: 49.612 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

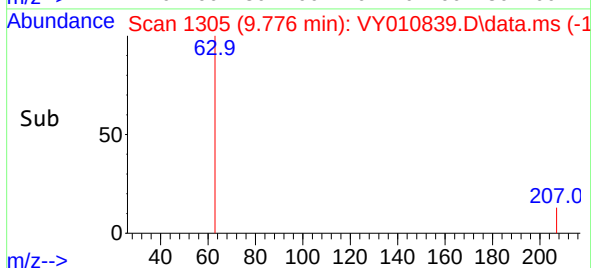
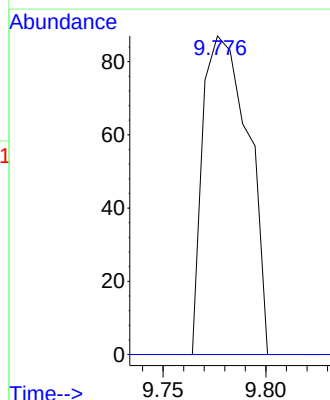
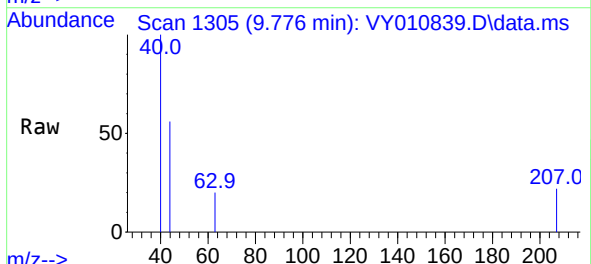
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

Tgt Ion: 98 Resp: 541628  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2

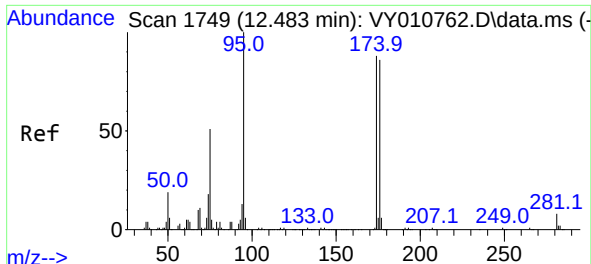


#58  
2-Chloroethyl Vinyl ether  
Concen: 25.866 ug/l  
RT: 9.776 min Scan# 1305  
Delta R.T. -0.006 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 63 Resp: 133  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.5 32.3#



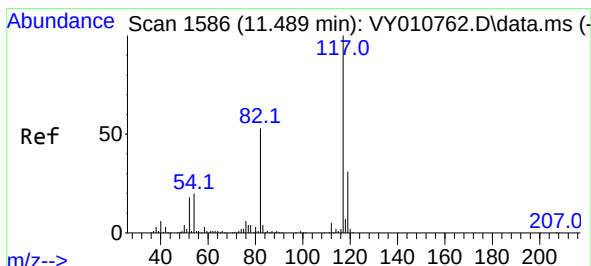
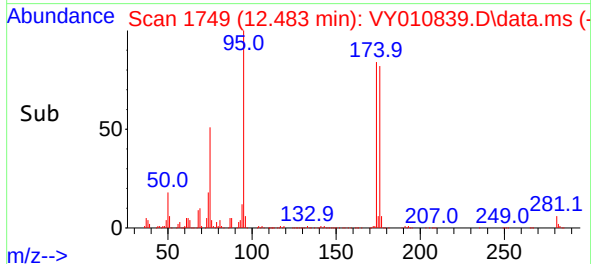
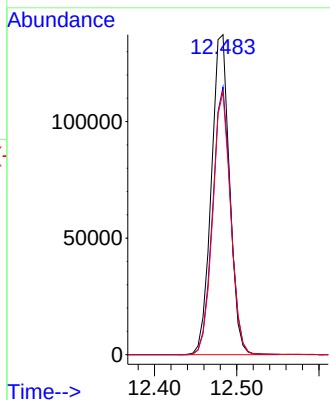
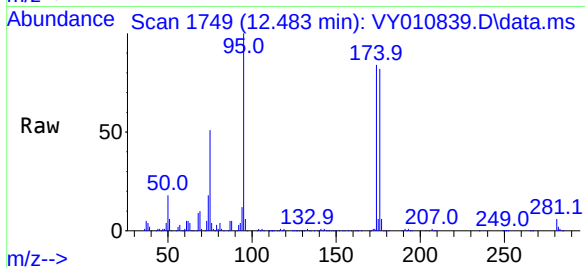




#62  
4-Bromofluorobenzene  
Concen: 49.637 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

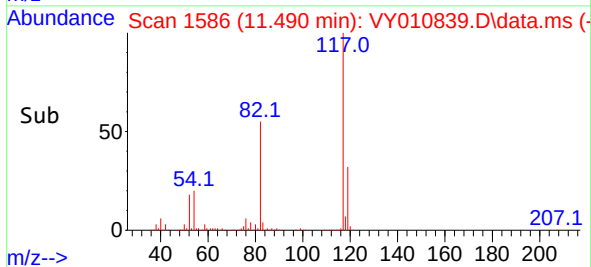
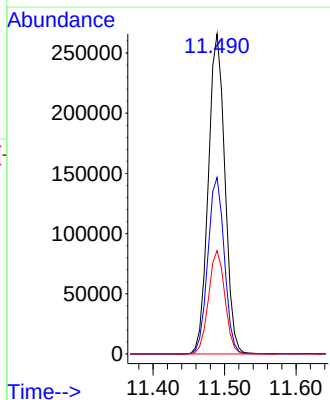
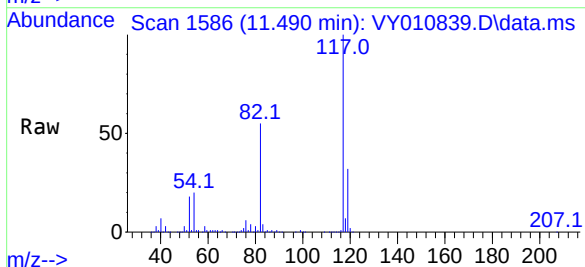
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

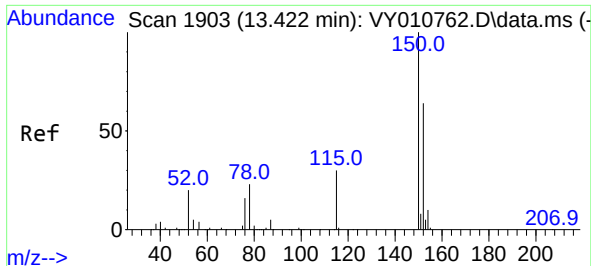
Tgt Ion: 95 Resp: 211827  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 177.0  
176 80.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Tgt Ion: 117 Resp: 428232  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.0 64.4  
119 32.3 25.4 38.0

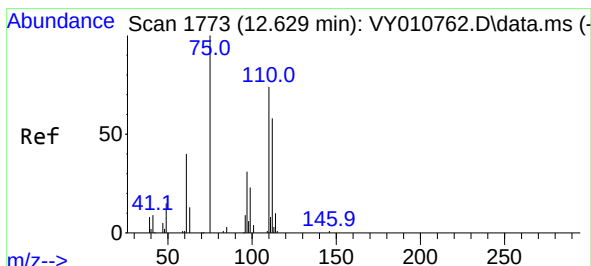
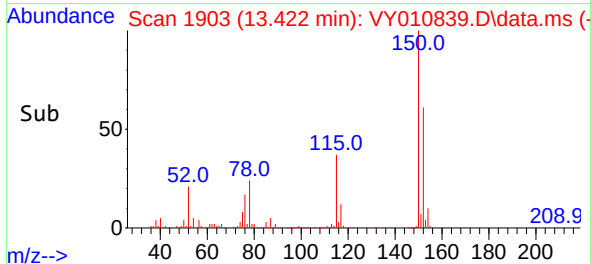
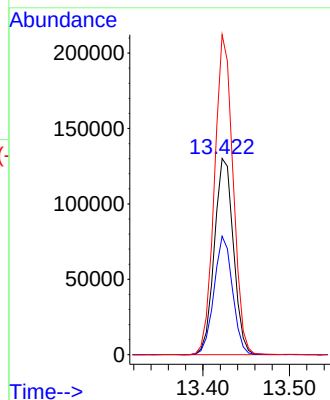
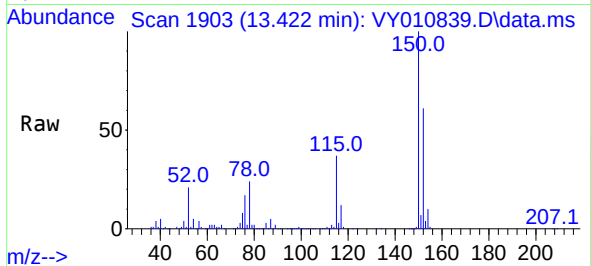




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY010839.D  
 Acq: 06 Oct 2022 13:06

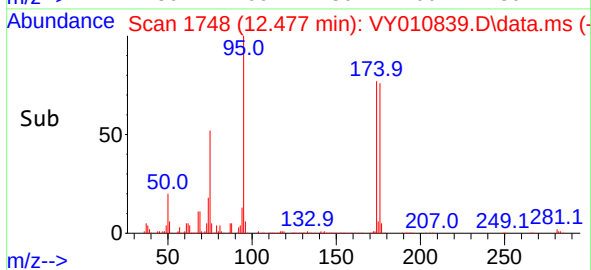
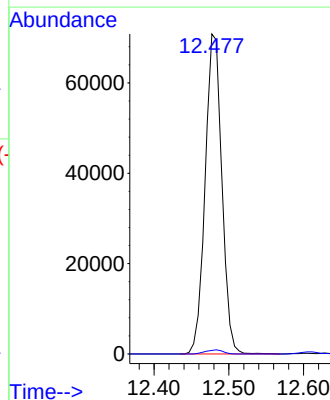
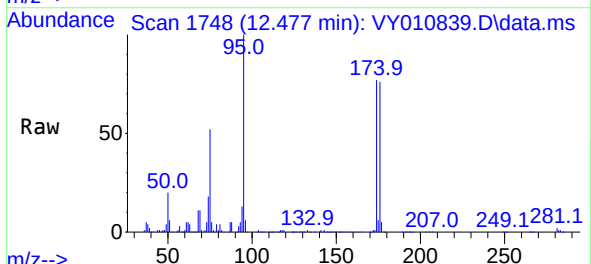
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OE-3-100522

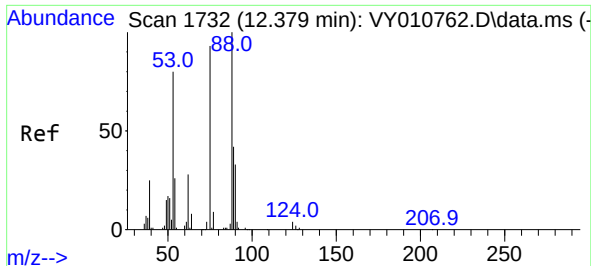
Tgt Ion:152 Resp: 199366  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 28.2 84.7  
 150 158.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 54.455 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY010839.D  
 Acq: 06 Oct 2022 13:06

Tgt Ion: 75 Resp: 109942  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.751 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY010839.D  
Acq: 06 Oct 2022 13:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OE-3-100522

Tgt Ion: 75 Resp: 109942  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

