

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032123\  
 Data File : VY013030.D  
 Acq On : 21 Mar 2023 16:22  
 Operator : KP/MD  
 Sample : 02023-03  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-12-TEST-PIT-ON-OCEAN

Quant Time: Mar 22 04:21:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

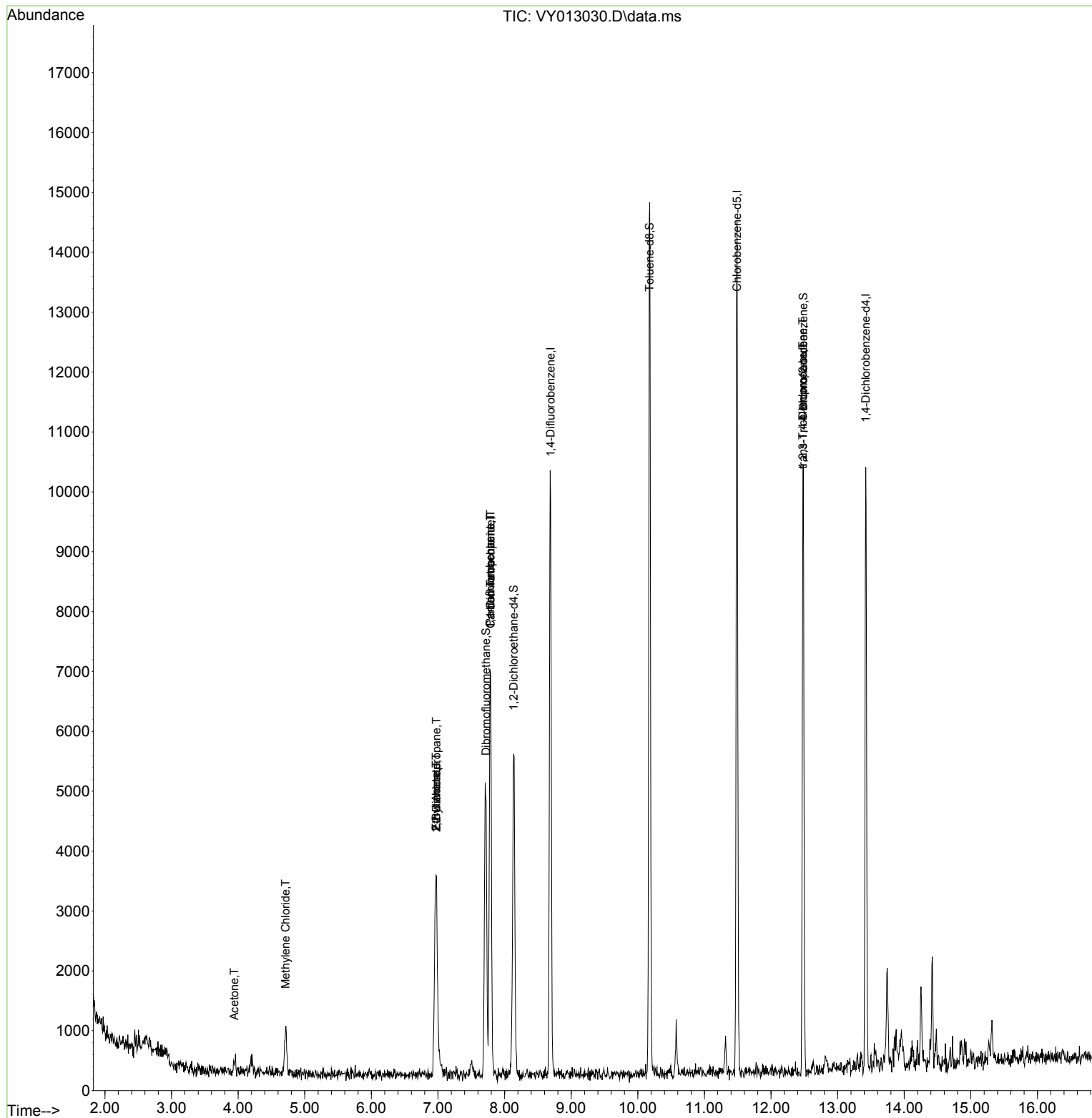
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 5796     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 8919     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 8210     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 3012     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 4146     | 72.046   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 144.100% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 3749     | 69.650   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 139.300% |          |
| 50) Toluene-d8                | 10.179    | 98    | 10184    | 51.754   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 103.500% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 2831     | 42.625   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 85.240%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.942     | 43    | 221      | 9.784    | ug/l #     | 44       |
| 20) Methylene Chloride        | 4.710     | 84    | 537      | 2.709    | ug/l #     | 81       |
| 25) 2-Butanone                | 6.972     | 43    | 181      | 6.470    | ug/l #     | 49       |
| 26) 2,2-Dichloropropane       | 6.978     | 77    | 140      | 1.381    | ug/l #     | 52       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 488      | 5.410    | ug/l #     | 41       |
| 37) Ethyl Acetate             | 6.972     | 43    | 181      | 3.184    | ug/l #     | 25       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 470      | 5.046    | ug/l #     | 12       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 1489     | 41.398   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 1489     | 85.777   | ug/l #     | 13       |
| -----                         |           |       |          |          |            |          |

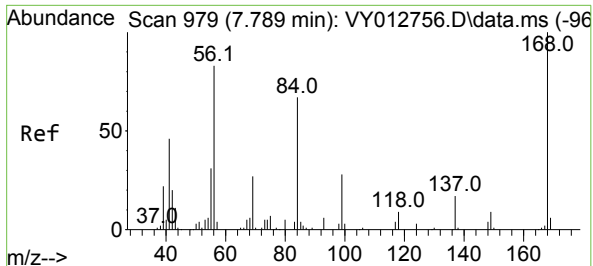
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032123\  
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ALS Vial : 14 Sample Multiplier: 1

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MSVOA\_Y  
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TP-12-TEST-PIT-ON-OCEAN

Quant Time: Mar 22 04:21:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

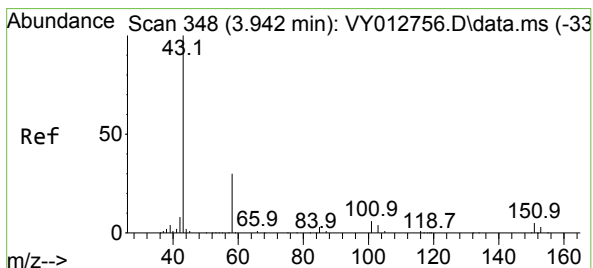
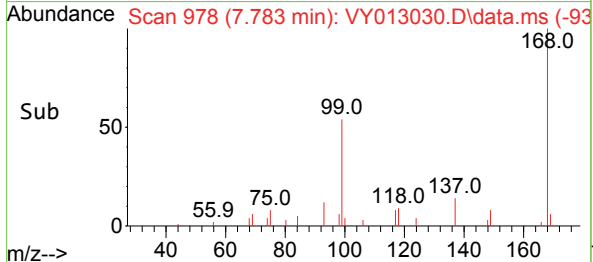
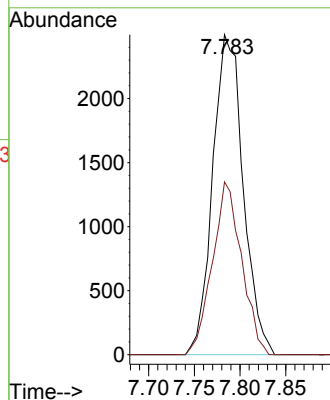
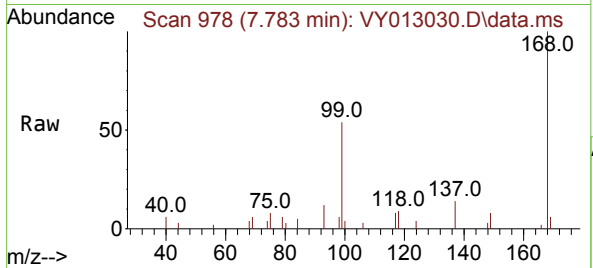




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

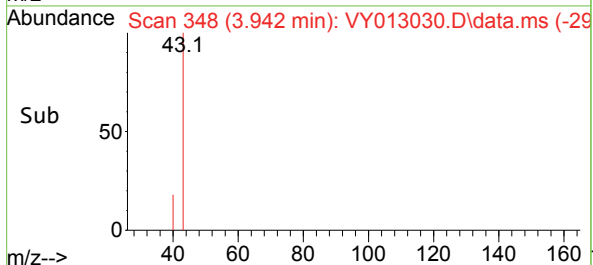
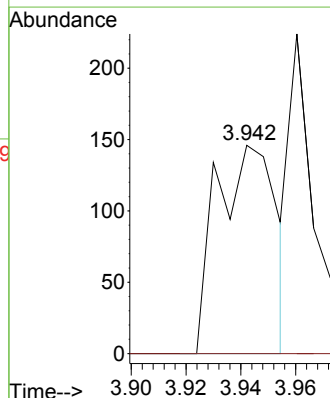
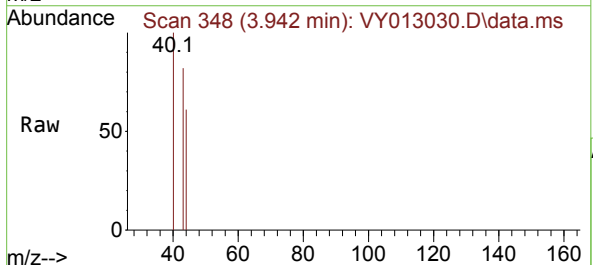
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-12-TEST-PIT-ON-OCEAN

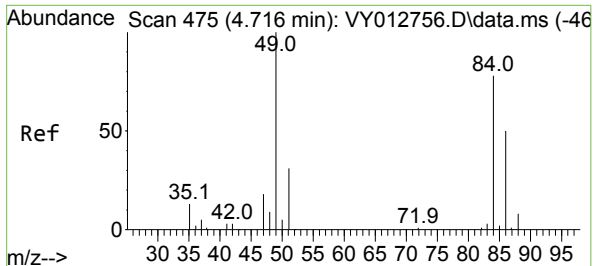
Tgt Ion:168 Resp: 5796  
Ion Ratio Lower Upper  
168 100  
99 54.0 41.7 62.5



#16  
Acetone  
Concen: 9.784 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Tgt Ion: 43 Resp: 221  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.2#



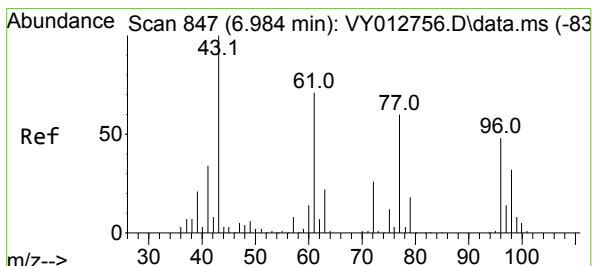
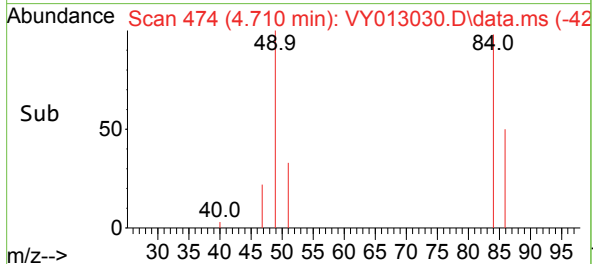
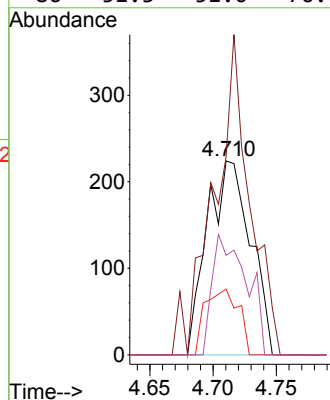
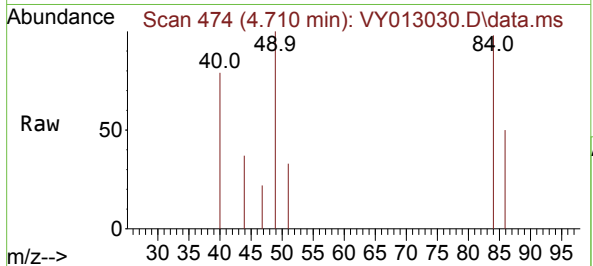


#20  
Methylene Chloride  
Concen: 2.709 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion: 84 Resp: 537

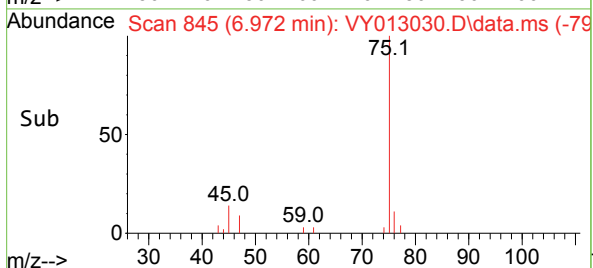
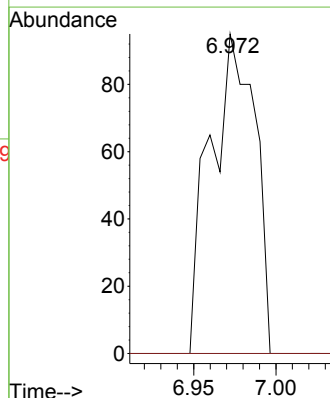
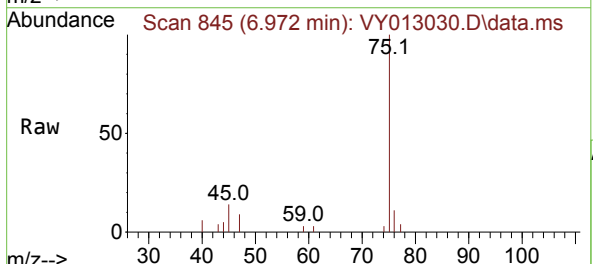
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 102.2 | 102.6 | 154.0# |
| 51  | 33.9  | 31.9  | 47.9   |
| 86  | 51.3  | 51.0  | 76.6   |

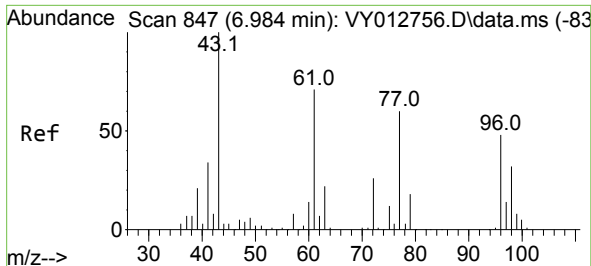


#25  
2-Butanone  
Concen: 6.470 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Tgt Ion: 43 Resp: 181

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 21.0  | 31.4# |

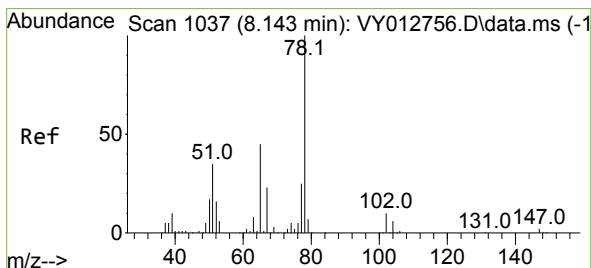
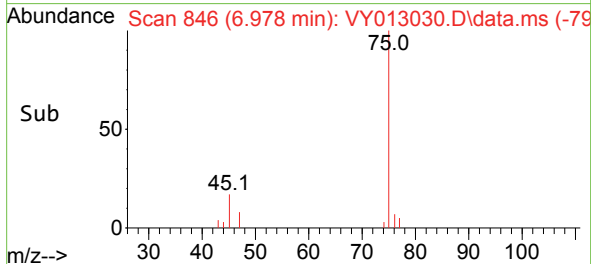
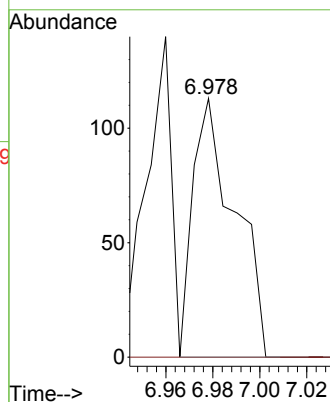
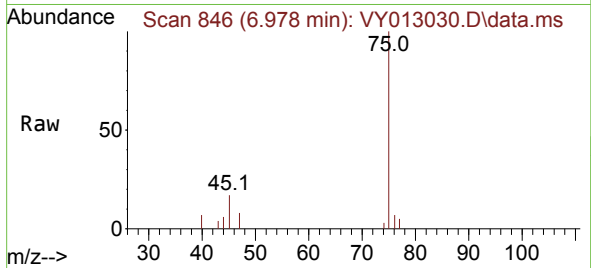




#26  
2,2-Dichloropropane  
Concen: 1.381 ug/l  
RT: 6.978 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

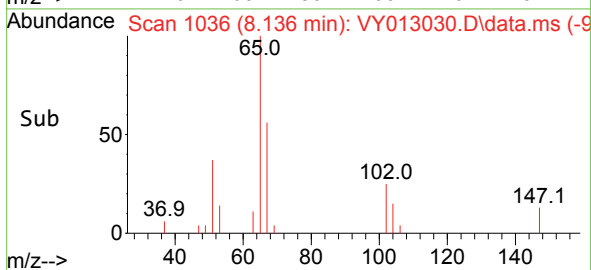
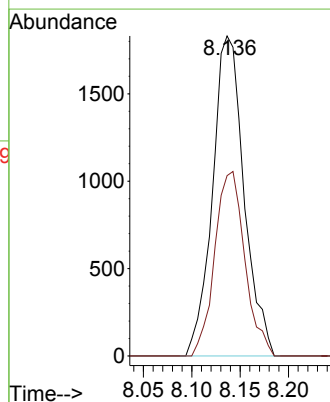
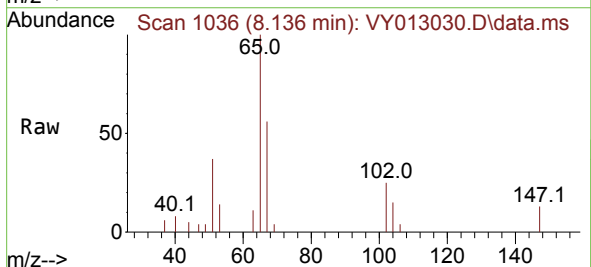
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-12-TEST-PIT-ON-OCEAN

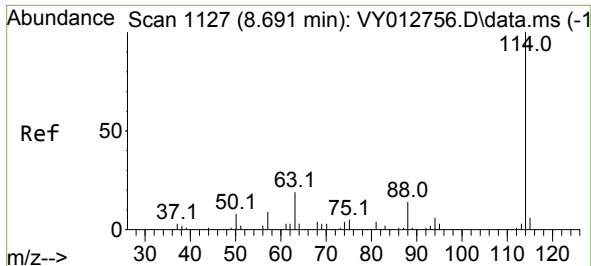
Tgt Ion: 77 Resp: 140  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.7 35.0#



#33  
1,2-Dichloroethane-d4  
Concen: 72.046 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Tgt Ion: 65 Resp: 4146  
Ion Ratio Lower Upper  
65 100  
67 55.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013030.D

Acq: 21 Mar 2023 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

TP-12-TEST-PIT-ON-OCEAN

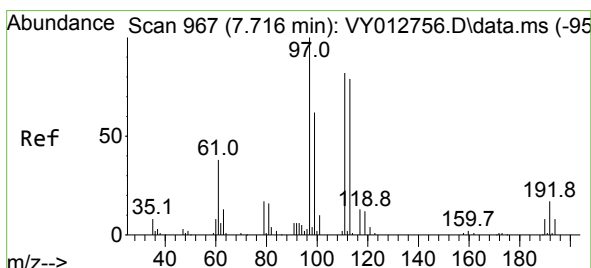
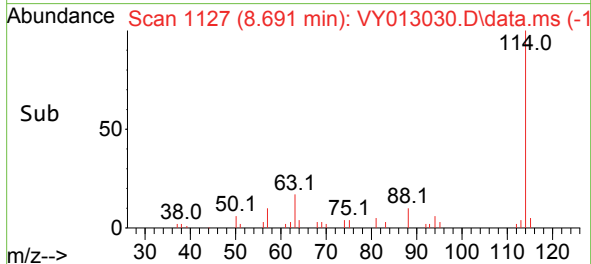
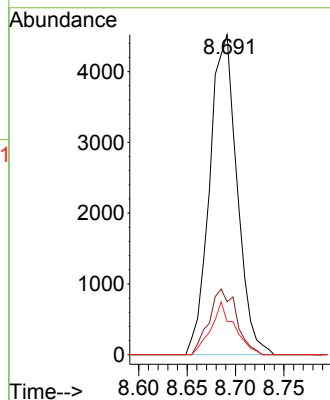
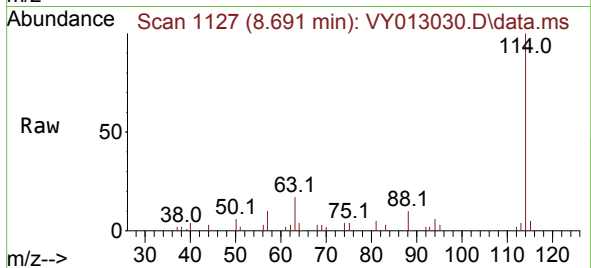
Tgt Ion:114 Resp: 8919

Ion Ratio Lower Upper

114 100

63 16.5 0.0 37.4

88 10.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 69.650 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013030.D

Acq: 21 Mar 2023 16:22

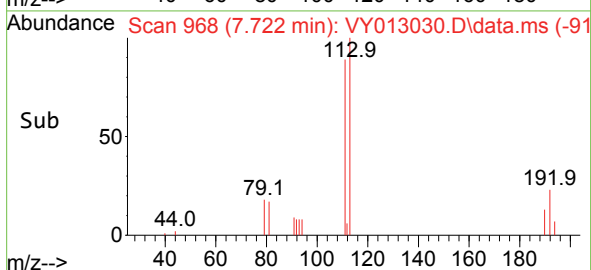
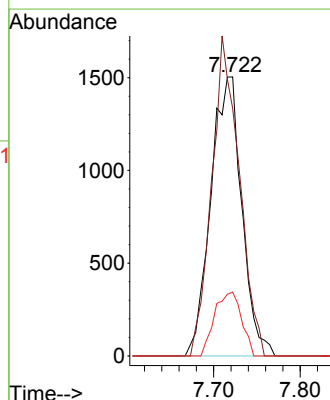
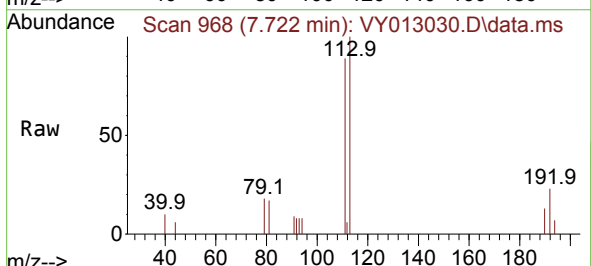
Tgt Ion:113 Resp: 3749

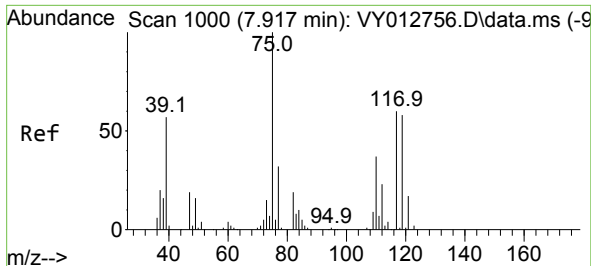
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

192 19.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.410 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013030.D

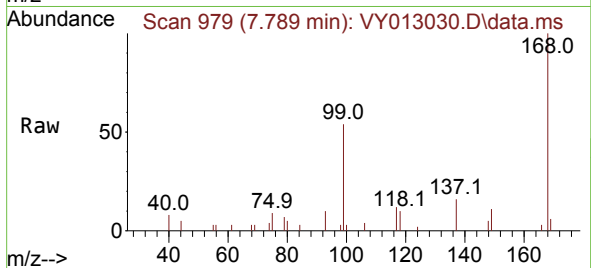
Acq: 21 Mar 2023 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

TP-12-TEST-PIT-ON-OCEAN



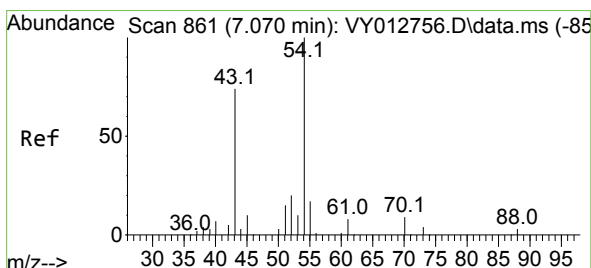
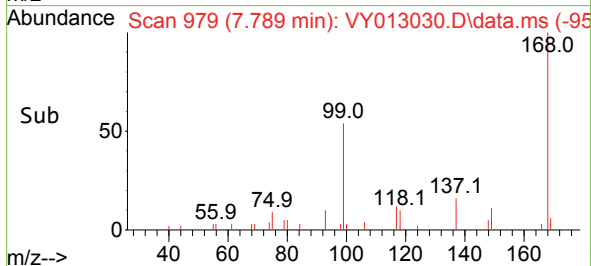
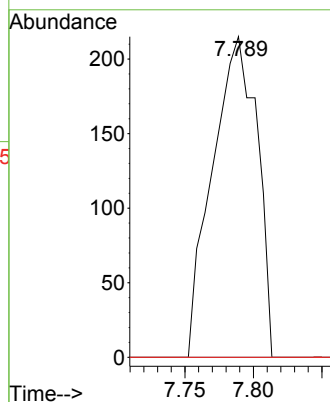
Tgt Ion: 75 Resp: 488

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 3.184 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY013030.D

Acq: 21 Mar 2023 16:22

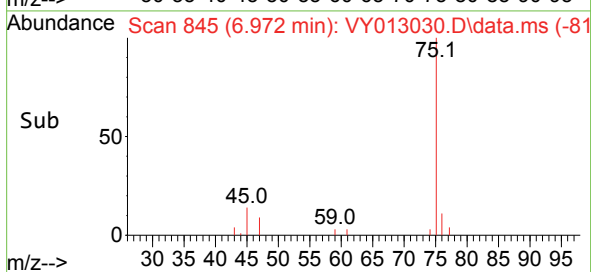
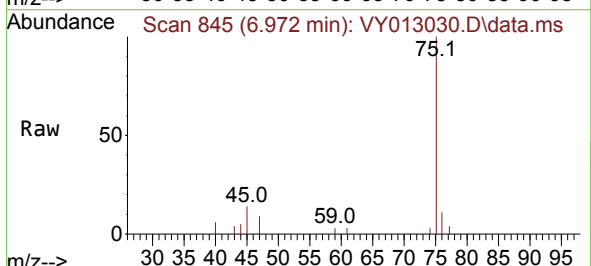
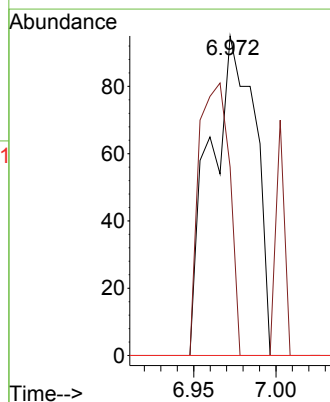
Tgt Ion: 43 Resp: 181

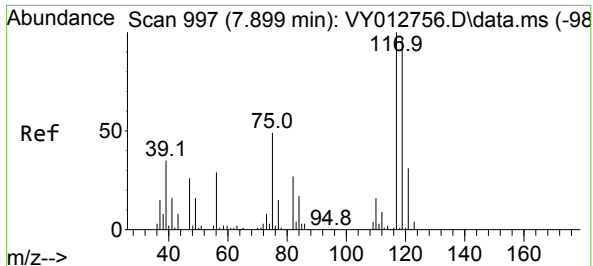
Ion Ratio Lower Upper

43 100

61 57.5 10.7 16.1#

70 0.0 7.8 11.8#

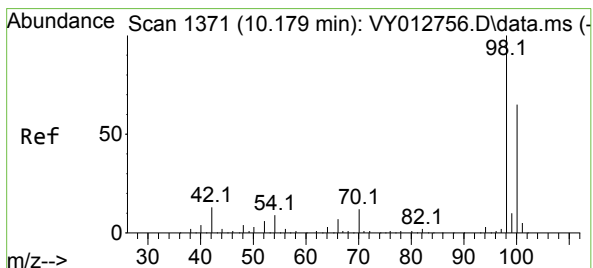
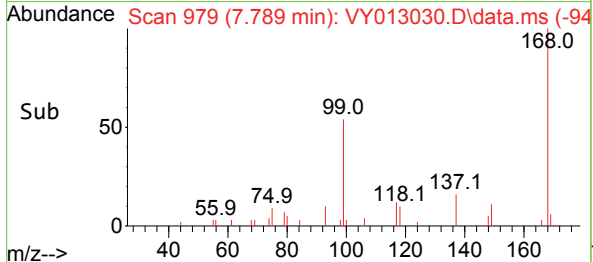
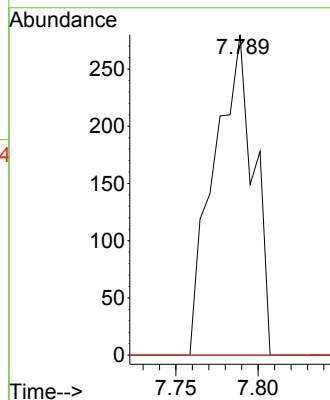
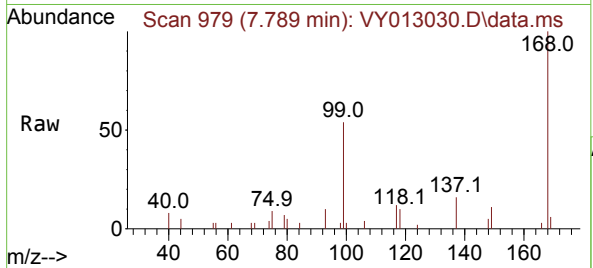




#38  
Carbon Tetrachloride  
Concen: 5.046 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

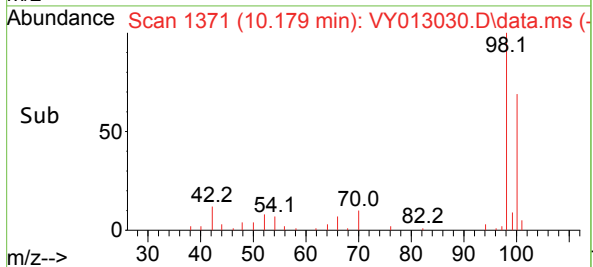
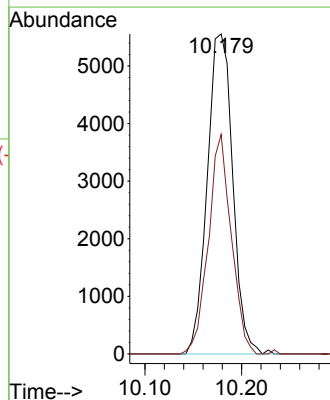
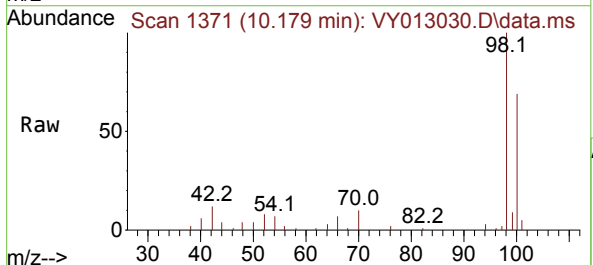
Instrument :  
MSVOA\_Y  
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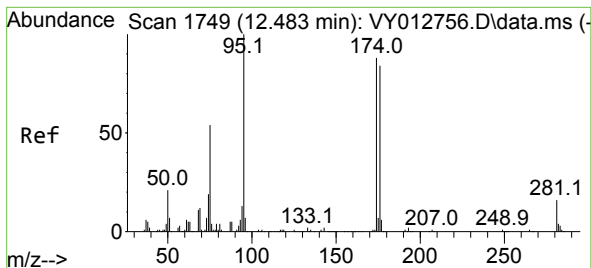
Tgt Ion:117 Resp: 470  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.2 115.8#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 51.754 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Tgt Ion: 98 Resp: 10184  
Ion Ratio Lower Upper  
98 100  
100 61.7 50.9 76.3

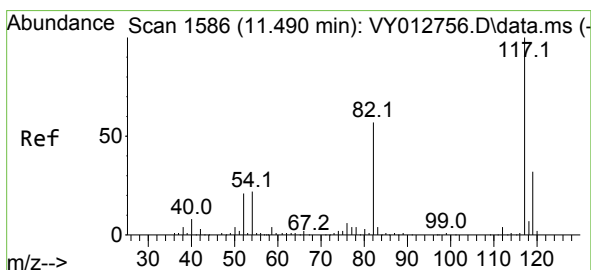
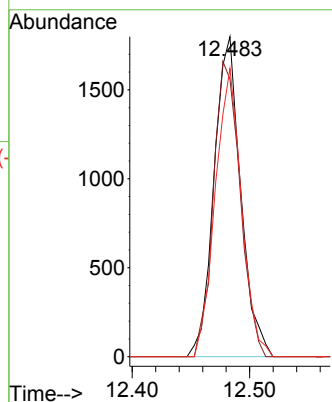
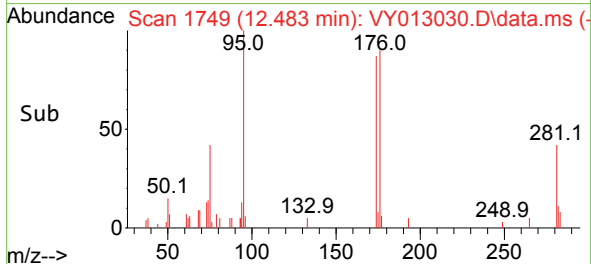
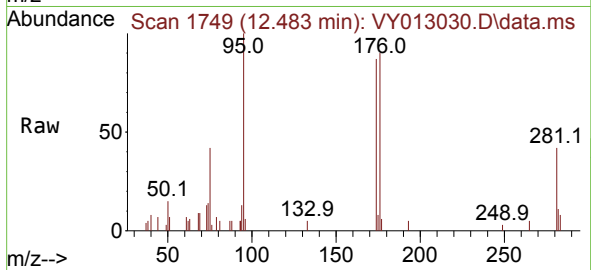




#62  
4-Bromofluorobenzene  
Concen: 42.625 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

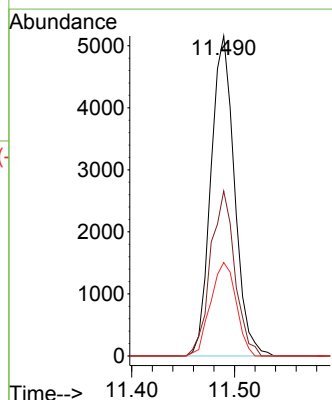
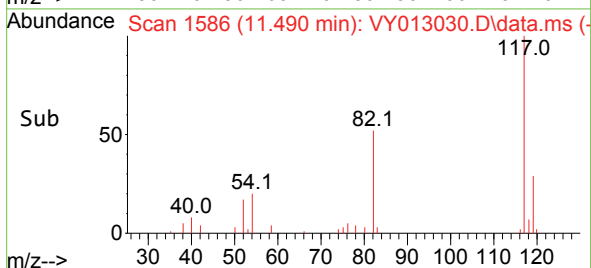
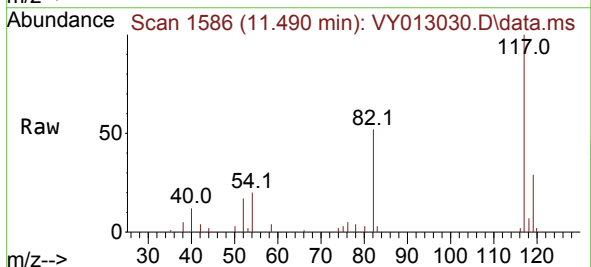
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-12-TEST-PIT-ON-OCEAN

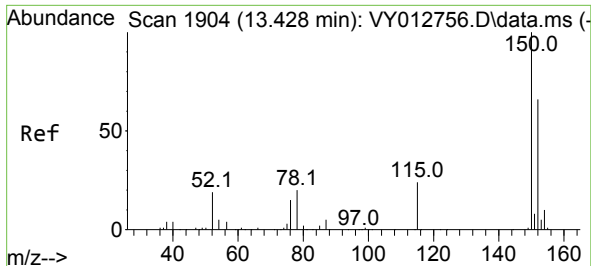
Tgt Ion: 95 Resp: 2831  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 176.6  
176 88.7 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013030.D  
Acq: 21 Mar 2023 16:22

Tgt Ion: 117 Resp: 8210  
Ion Ratio Lower Upper  
117 100  
82 51.6 45.4 68.0  
119 29.2 25.6 38.4

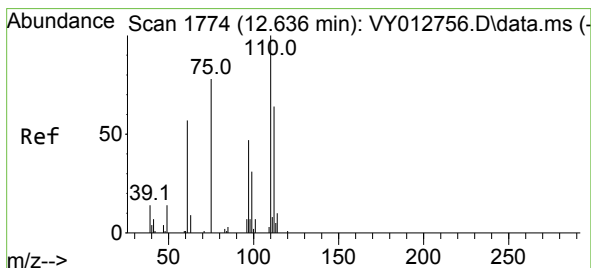
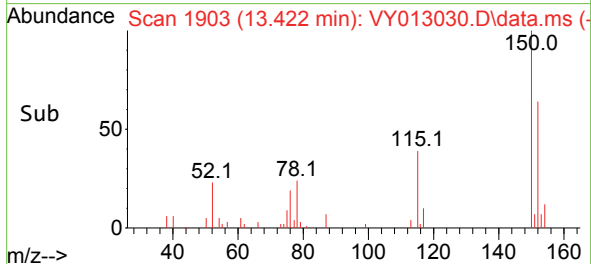
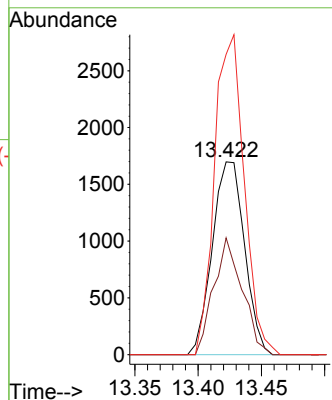
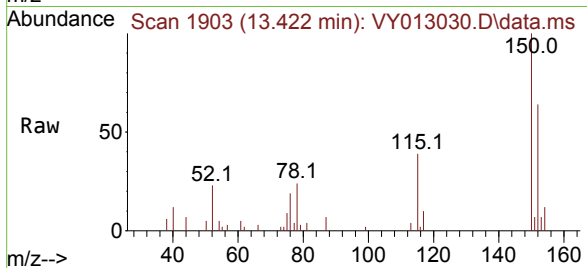




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1904  
 Delta R.T. -0.006 min  
 Lab File: VY013030.D  
 Acq: 21 Mar 2023 16:22

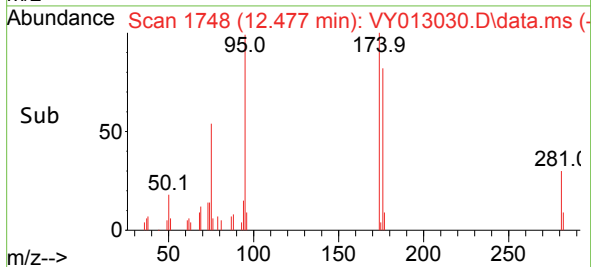
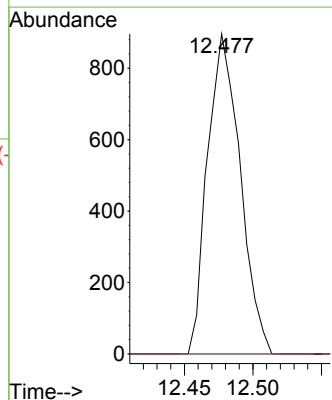
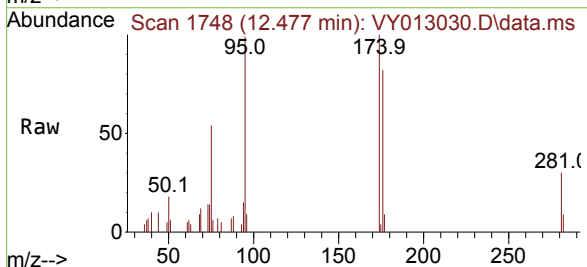
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-12-TEST-PIT-ON-OCEAN

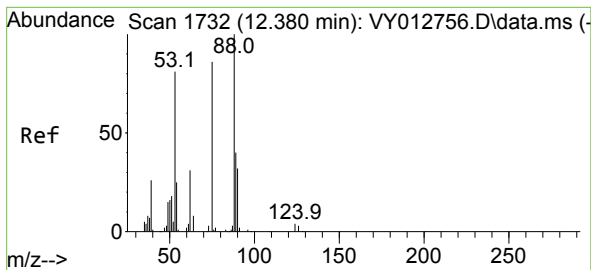
Tgt Ion:152 Resp: 3012  
 Ion Ratio Lower Upper  
 152 100  
 115 53.7 27.1 81.3  
 150 152.5 0.0 347.8



#76  
 1,2,3-Trichloropropane  
 Concen: 41.398 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.158 min  
 Lab File: VY013030.D  
 Acq: 21 Mar 2023 16:22

Tgt Ion: 75 Resp: 1489  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 85.777 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY013030.D  
 Acq: 21 Mar 2023 16:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-12-TEST-PIT-ON-OCEAN

Tgt Ion: 75 Resp: 1489  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.4 110.0#  
 89 0.0 36.6 55.0#

