

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
 Data File : VY011343.D  
 Acq On : 07 Nov 2022 18:18  
 Operator : KP/MD  
 Sample : N5378-06  
 Misc : 4.40g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15-20221028-5.5-6.5

Quant Time: Nov 08 03:30:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

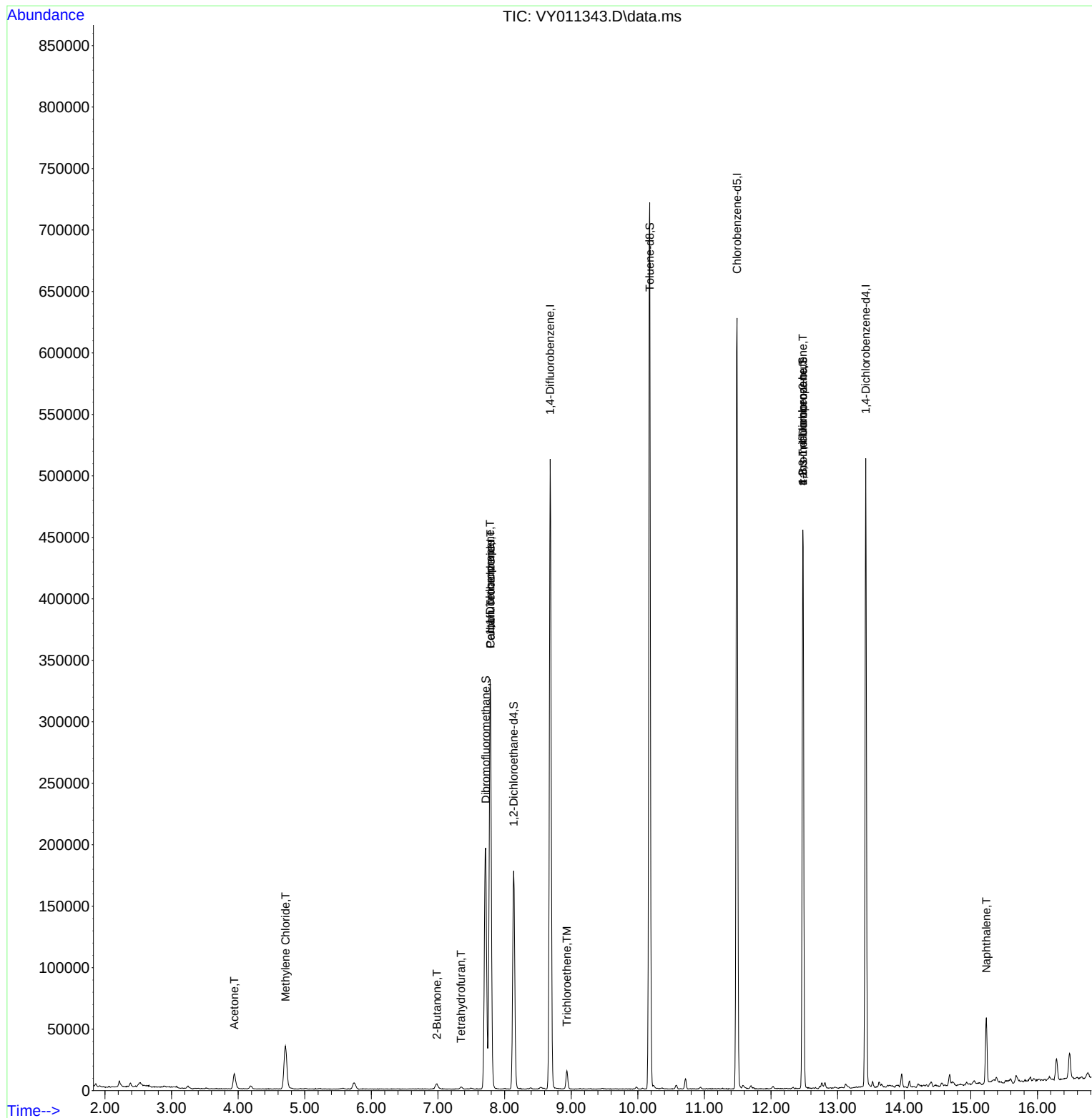
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 263845   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 448477   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 366164   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 132926   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 137862   | 48.855    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 97.720%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 144958   | 50.307    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 100.620% |
| 50) Toluene-d8                | 10.179 | 98    | 489140   | 43.722    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 87.440%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 146554   | 37.734    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 75.460%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 432      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.942  | 43    | 21125    | 24.800    | ug/l # | 81       |
| 20) Methylene Chloride        | 4.710  | 84    | 28798    | 3.600     | ug/l # | 79       |
| 25) 2-Butanone                | 6.984  | 43    | 3634     | 3.032     | ug/l   | 93       |
| 29) Tetrahydrofuran           | 7.344  | 42    | 1352     | 1.938     | ug/l   | 98       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 18757    | 3.986     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 25799    | 5.285     | ug/l # | 16       |
| 44) Trichloroethene           | 8.935  | 130   | 5468     | 1.477     | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 69831    | 43.152    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 69831    | 92.351    | ug/l # | 7        |
| 95) Naphthalene               | 15.233 | 128   | 46350    | 11.180    | ug/l   | 98       |
| -----                         |        |       |          |           |        |          |

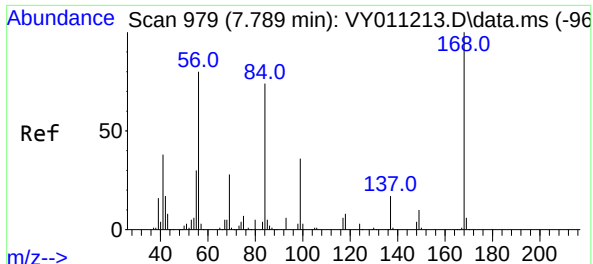
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
Data File : VY011343.D  
Acq On : 07 Nov 2022 18:18  
Operator : KP/MD  
Sample : N5378-06  
Misc : 4.40g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

Quant Time: Nov 08 03:30:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 01 11:56:18 2022  
Response via : Initial Calibration

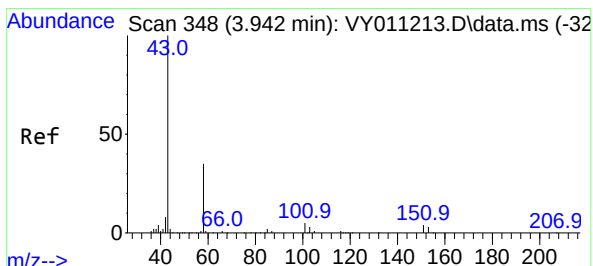
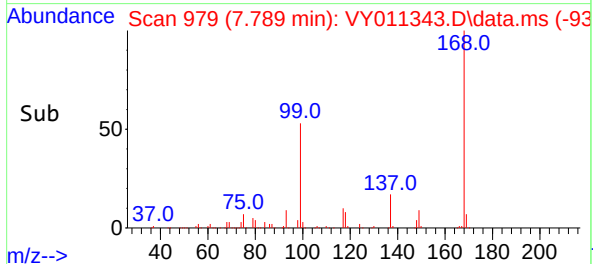
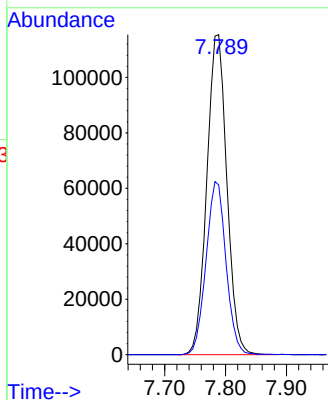
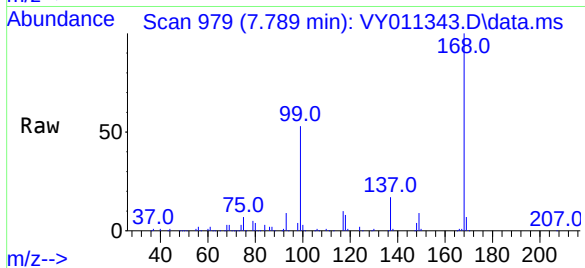




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

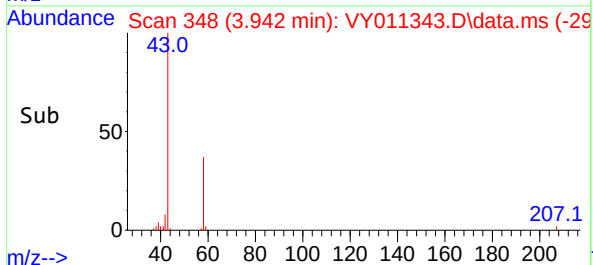
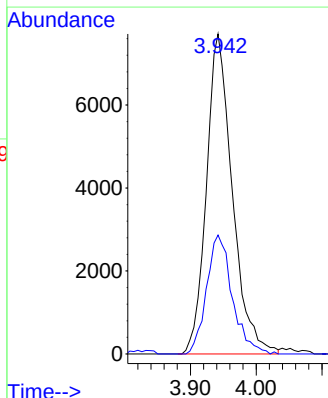
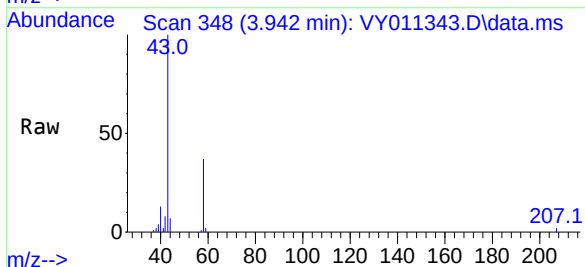
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

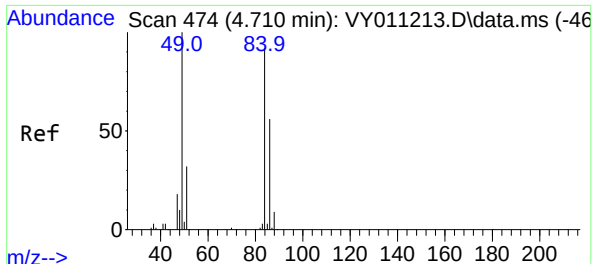
Tgt Ion:168 Resp: 263845  
Ion Ratio Lower Upper  
168 100  
99 53.1 46.9 70.3



#16  
Acetone  
Concen: 24.800 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

Tgt Ion: 43 Resp: 21125  
Ion Ratio Lower Upper  
43 100  
58 37.2 22.0 33.0#

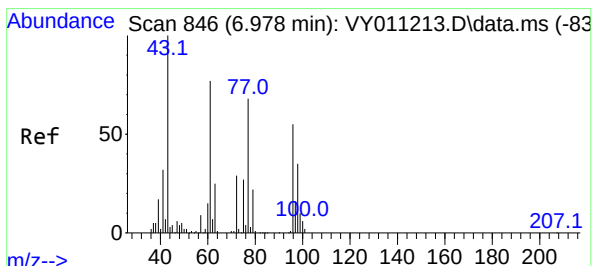
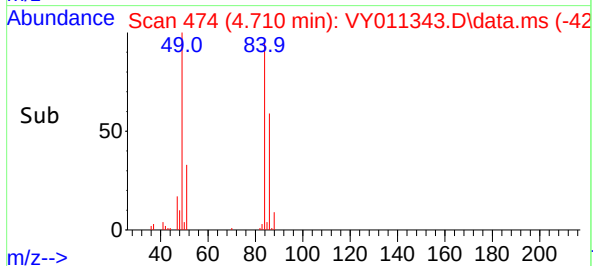
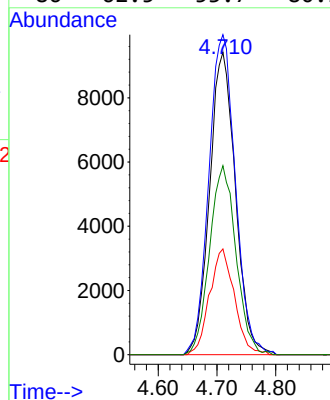
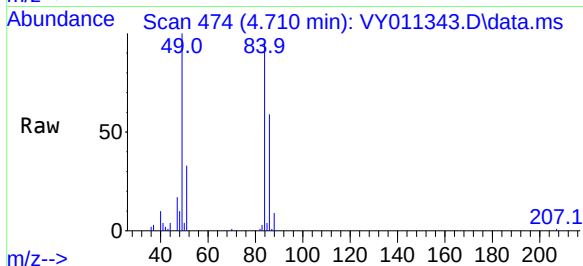




#20  
Methylene Chloride  
Concen: 3.600 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

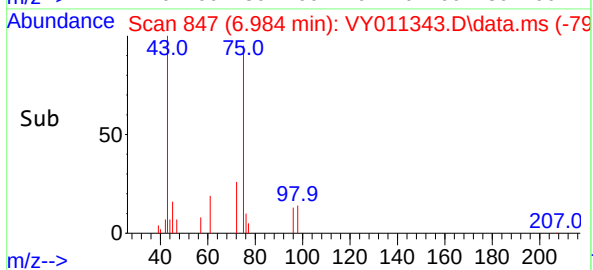
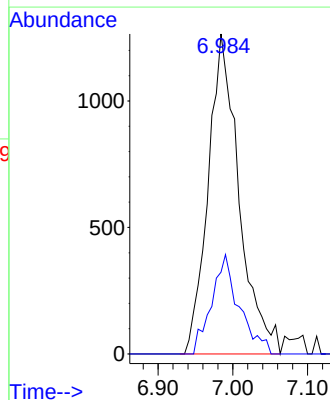
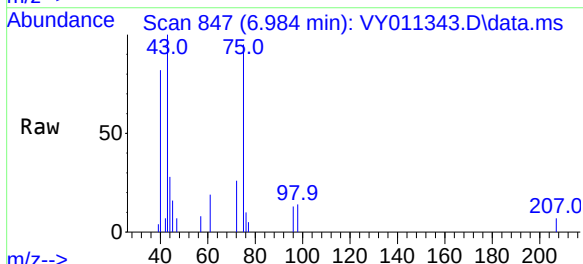
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

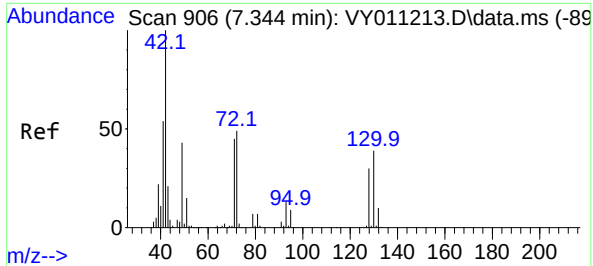
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 28798  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 105.8 | 114.4 | 171.6# |
| 51       | 35.0  | 35.3  | 52.9#  |
| 86       | 62.5  | 53.7  | 80.5   |



#25  
2-Butanone  
Concen: 3.032 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3634  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.5  | 17.7  | 26.5  |

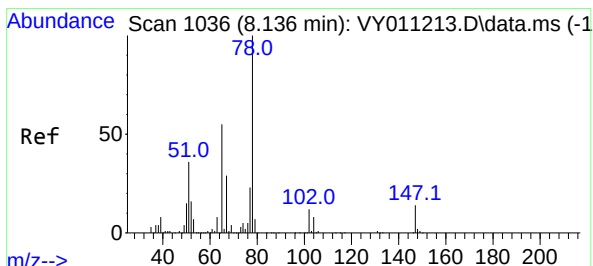
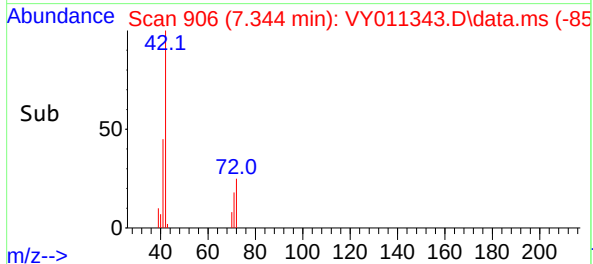
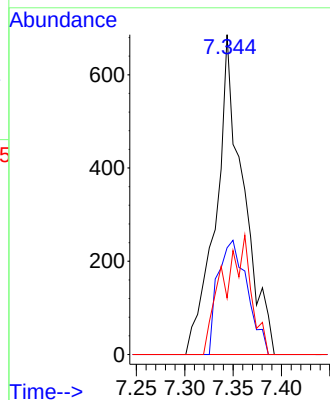
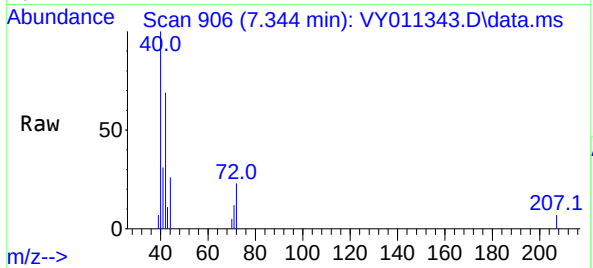




#29  
Tetrahydrofuran  
Concen: 1.938 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

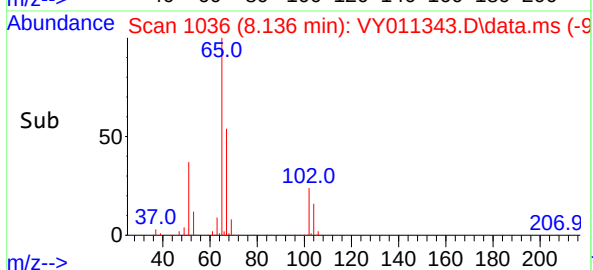
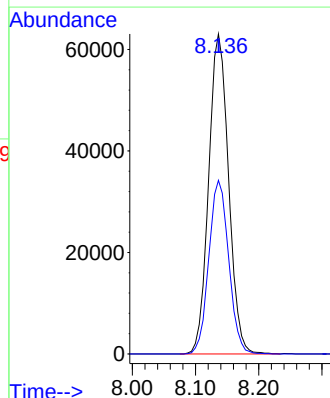
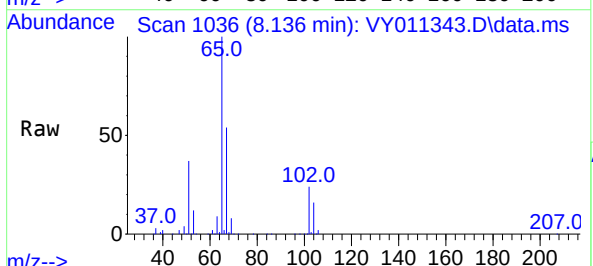
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

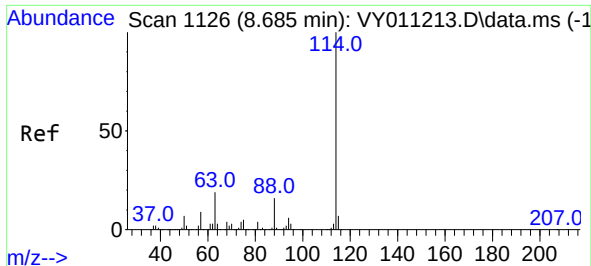
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1352  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 37.9  | 30.3  | 45.5  |
| 71       | 38.4  | 29.0  | 43.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 48.855 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 137862 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.1  | 0.0   | 99.4   |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011343.D

Acq: 07 Nov 2022 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

SB-15-20221028-5.5-6.5

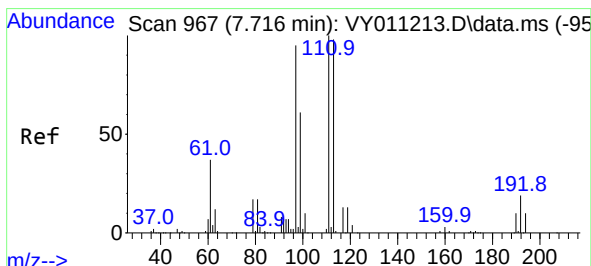
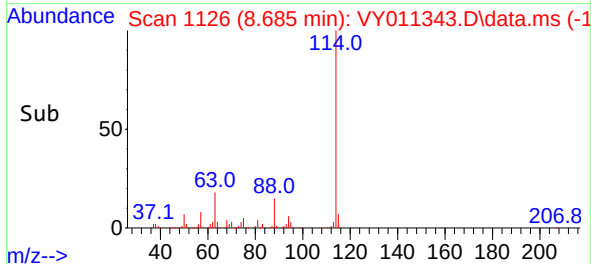
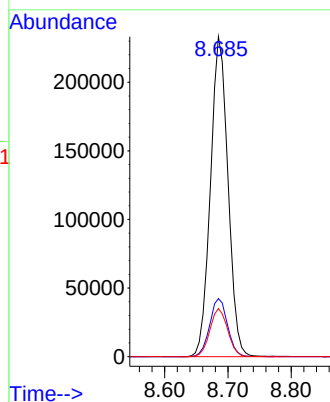
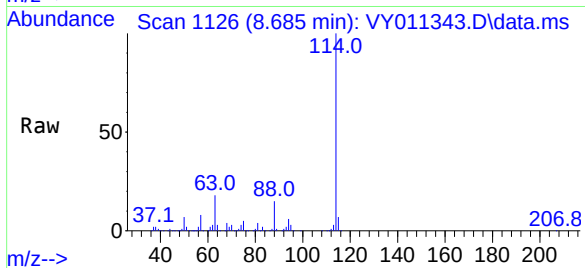
Tgt Ion:114 Resp: 448477

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.307 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011343.D

Acq: 07 Nov 2022 18:18

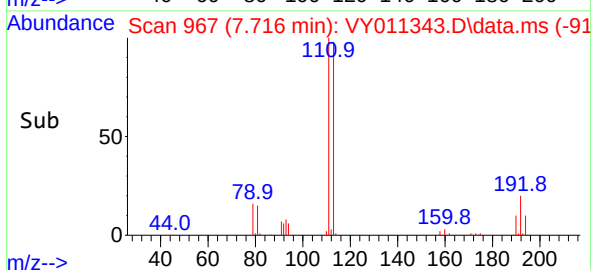
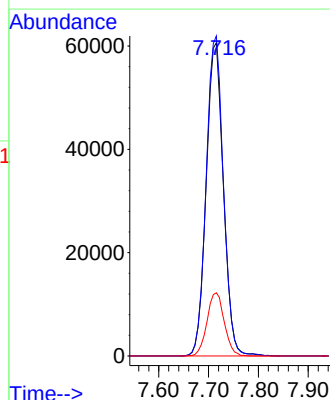
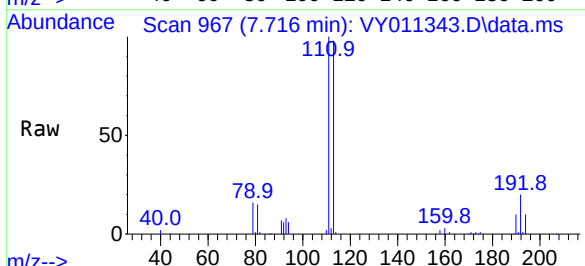
Tgt Ion:113 Resp: 144958

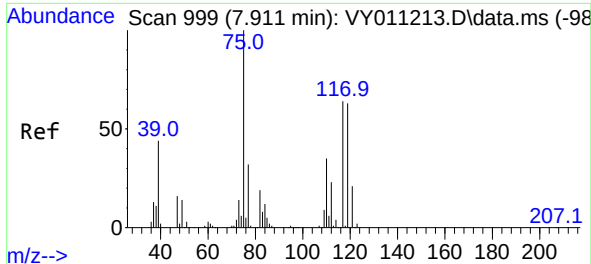
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 20.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011343.D

Acq: 07 Nov 2022 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

SB-15-20221028-5.5-6.5

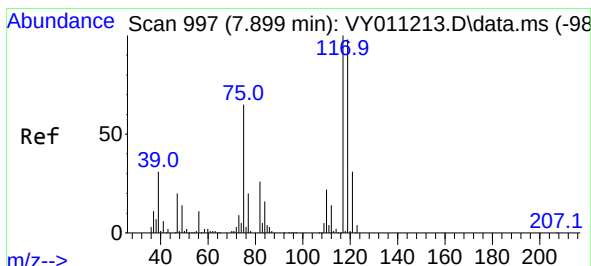
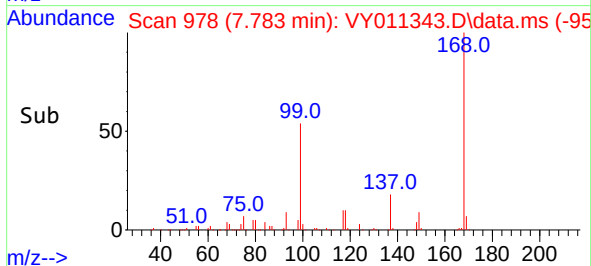
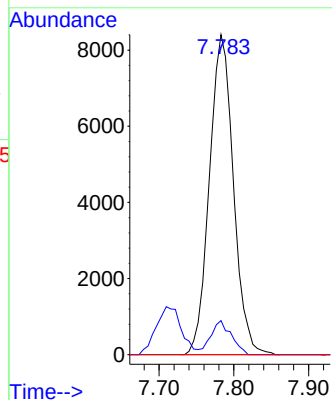
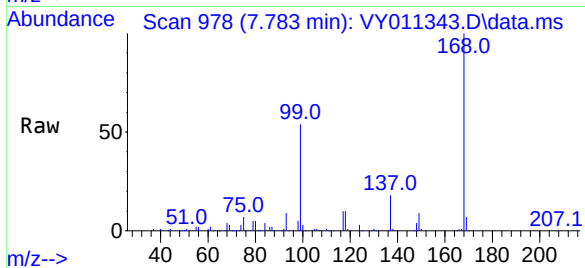
Tgt Ion: 75 Resp: 18757

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.285 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011343.D

Acq: 07 Nov 2022 18:18

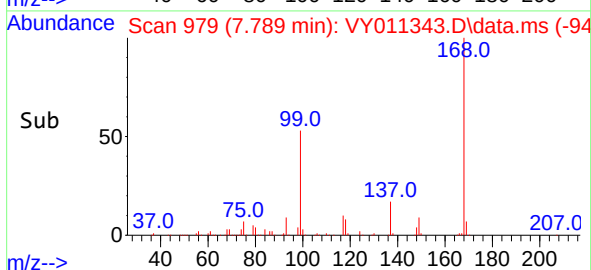
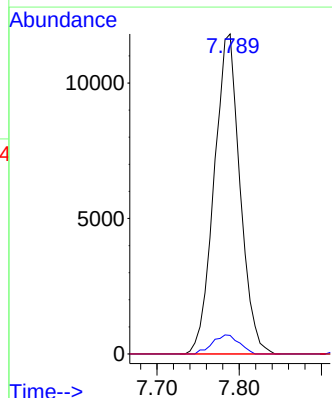
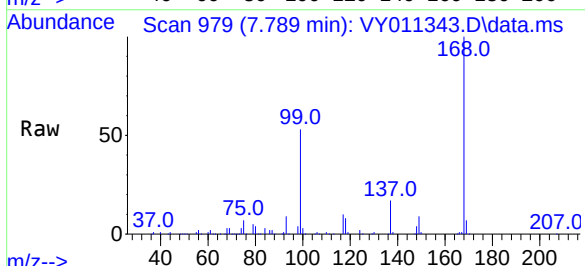
Tgt Ion: 117 Resp: 25799

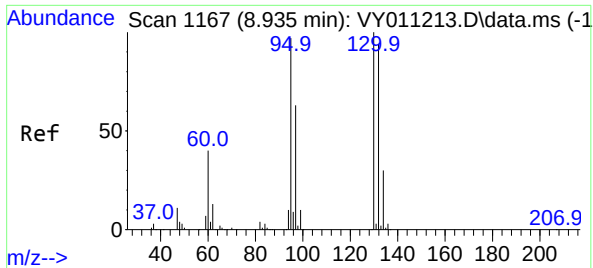
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

121 0.0 24.8 37.2#

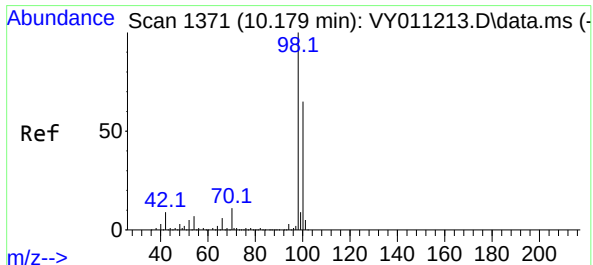
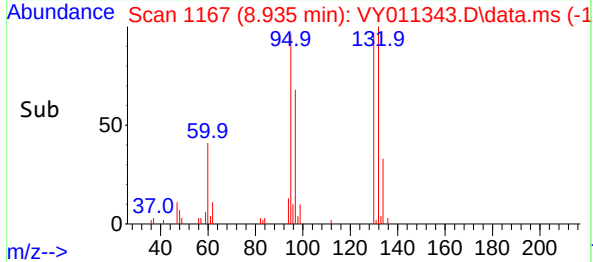
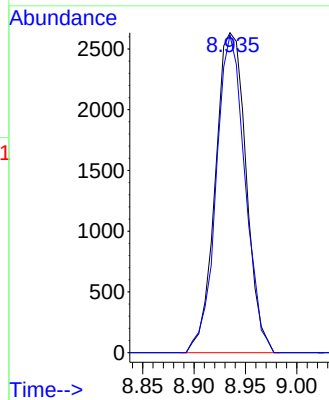
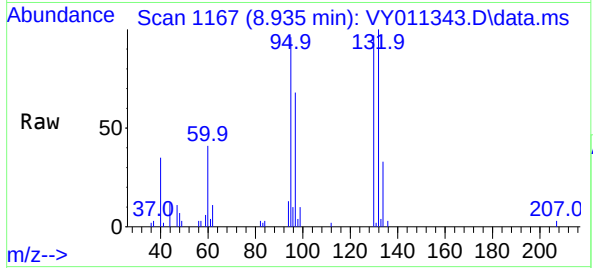




#44  
Trichloroethene  
Concen: 1.477 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

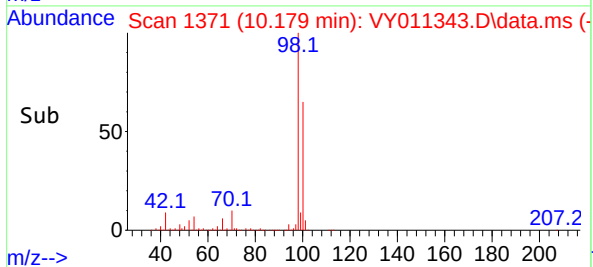
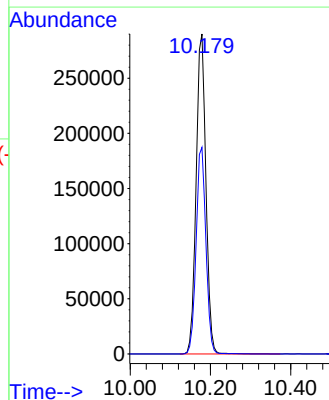
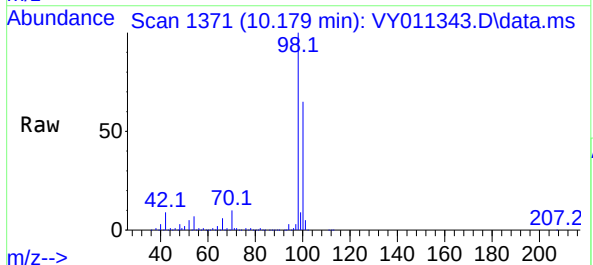
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

Tgt Ion:130 Resp: 5468  
Ion Ratio Lower Upper  
130 100  
95 99.2 0.0 188.2

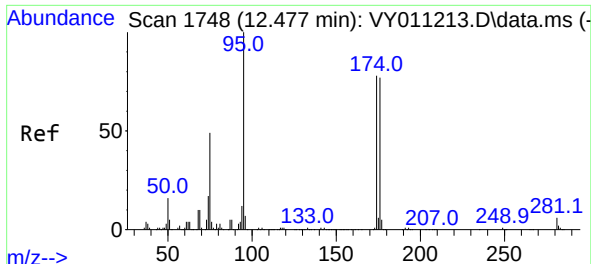


#50  
Toluene-d8  
Concen: 43.722 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

Tgt Ion: 98 Resp: 489140  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



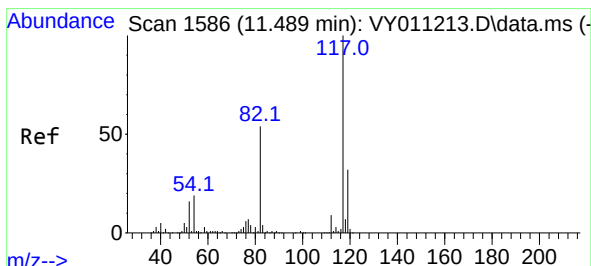
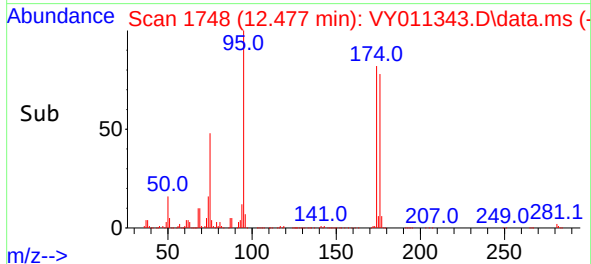
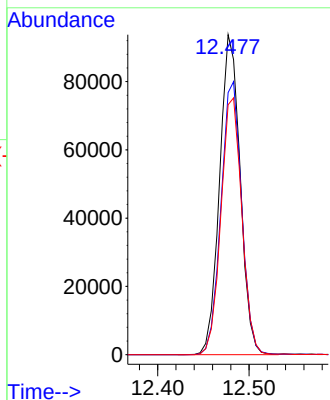
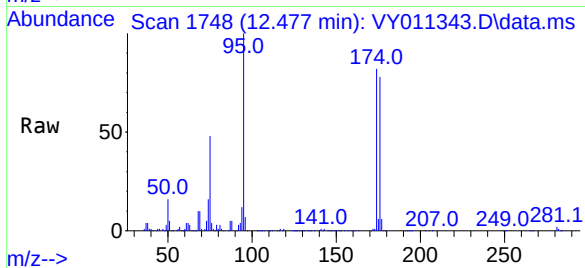




#62  
4-Bromofluorobenzene  
Concen: 37.734 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

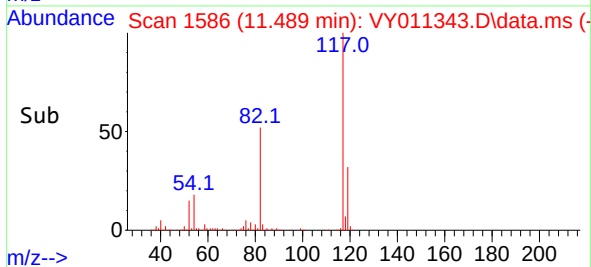
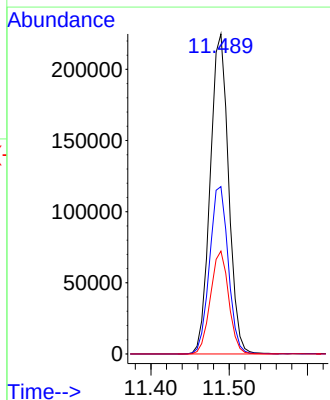
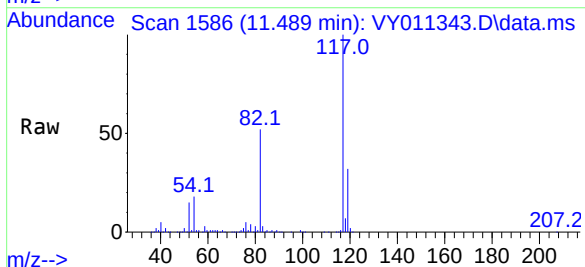
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

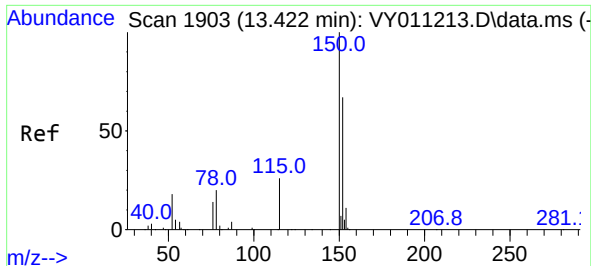
Tgt Ion: 95 Resp: 146554  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 177.0  
176 81.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

Tgt Ion: 117 Resp: 366164  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.0 64.4  
119 32.2 25.4 38.0

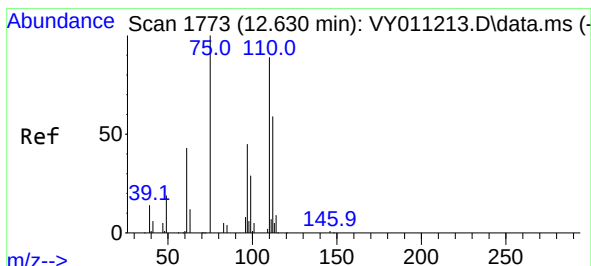
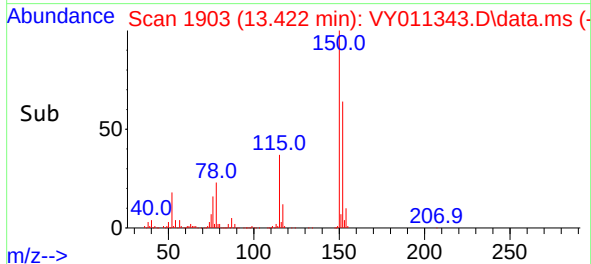
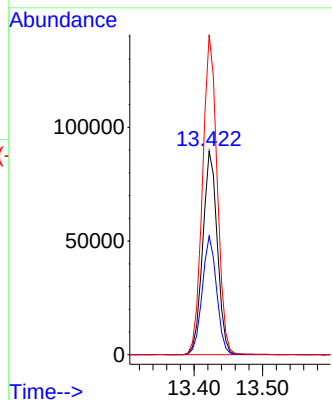
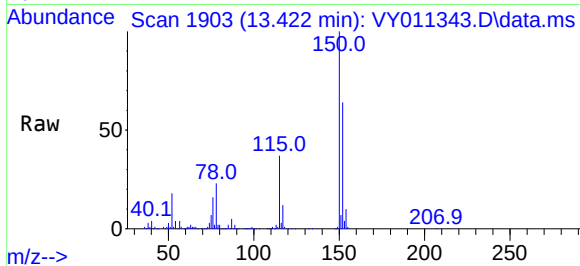




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY011343.D  
 Acq: 07 Nov 2022 18:18

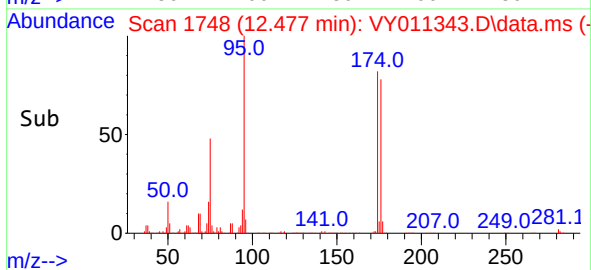
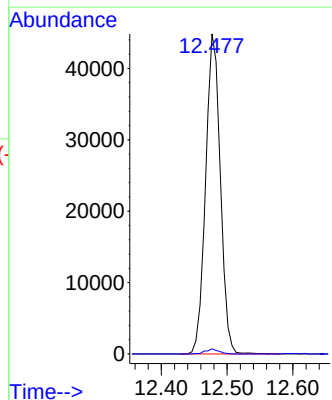
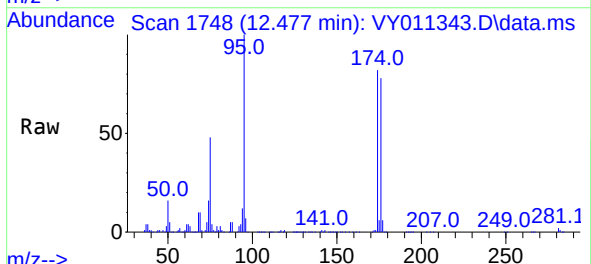
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15-20221028-5.5-6.5

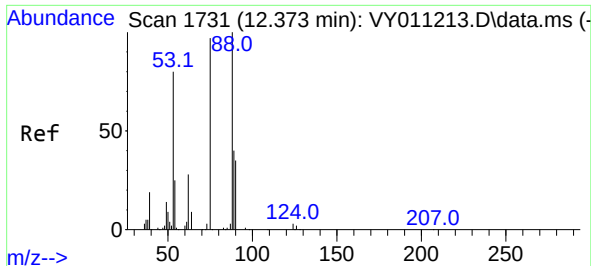
Tgt Ion:152 Resp: 132926  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 28.2 84.7  
 150 157.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 43.152 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY011343.D  
 Acq: 07 Nov 2022 18:18

Tgt Ion: 75 Resp: 69831  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#

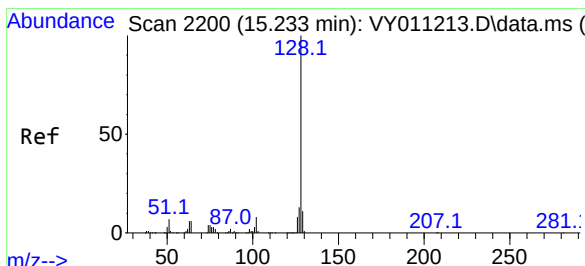
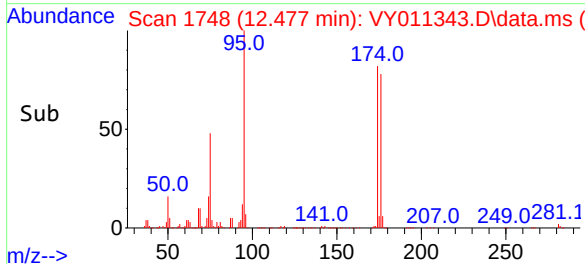
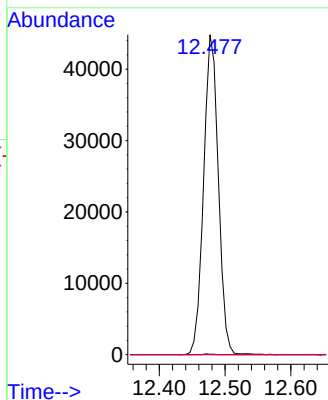
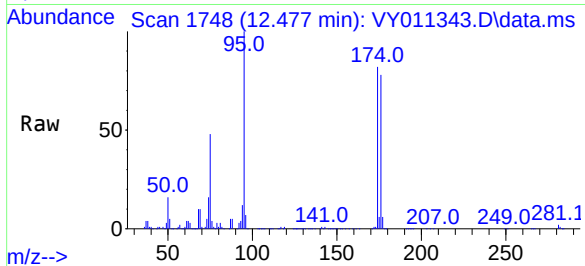




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.351 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-20221028-5.5-6.5

Tgt Ion: 75 Resp: 69831  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 11.180 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY011343.D  
Acq: 07 Nov 2022 18:18

Tgt Ion:128 Resp: 46350  
Ion Ratio Lower Upper  
128 100  
127 12.8 11.0 16.4  
129 11.3 8.4 12.6

