

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110422\  
 Data File : VY011320.D  
 Acq On : 04 Nov 2022 23:56  
 Operator : KP/MD  
 Sample : N5436-11  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 250FERRYBLVD-TFS-11

Quant Time: Nov 07 01:57:40 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

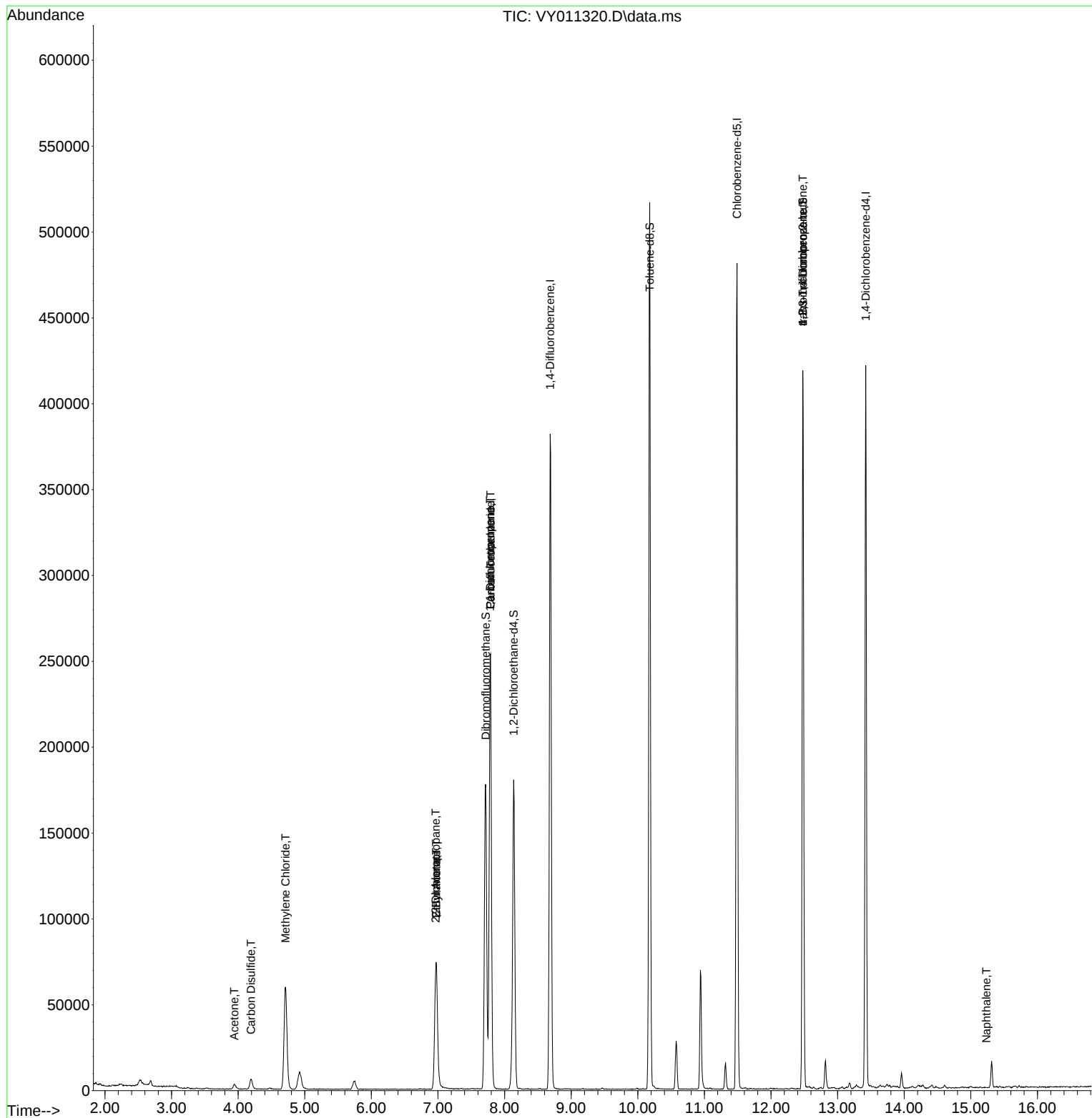
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 204241   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 339386   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 274695   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 111334   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 131917   | 60.391    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 120.780% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 131683   | 60.390    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 120.780% |          |
| 50) Toluene-d8                | 10.179 | 98    | 343308   | 40.551    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 81.100%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 128333   | 43.664    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 87.320%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.900  | 85    | 49       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.923  | 59    | 10262    | Below Cal | #          | 77       |
| 16) Acetone                   | 3.942  | 43    | 5399     | 8.188     | ug/l #     | 82       |
| 17) Carbon Disulfide          | 4.192  | 76    | 7974     | 1.093     | ug/l       | 97       |
| 20) Methylene Chloride        | 4.710  | 84    | 48171    | 14.270    | ug/l #     | 82       |
| 25) 2-Butanone                | 6.972  | 43    | 4067     | 4.384     | ug/l #     | 85       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 5781     | 1.447     | ug/l #     | 55       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 15212    | 4.272     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 6.972  | 43    | 4067     | 2.119     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 19966    | 5.405     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 62826    | 46.352    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 62826    | 99.200    | ug/l #     | 7        |
| 95) Naphthalene               | 15.233 | 128   | 236      | 4.013     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

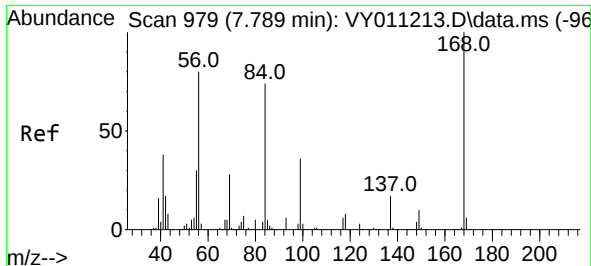
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110422\  
Data File : VY011320.D  
Acq On : 04 Nov 2022 23:56  
Operator : KP/MD  
Sample : N5436-11  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

Quant Time: Nov 07 01:57:40 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

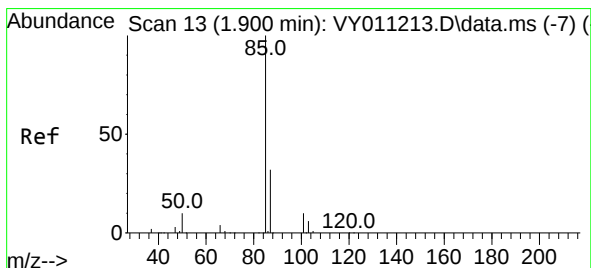
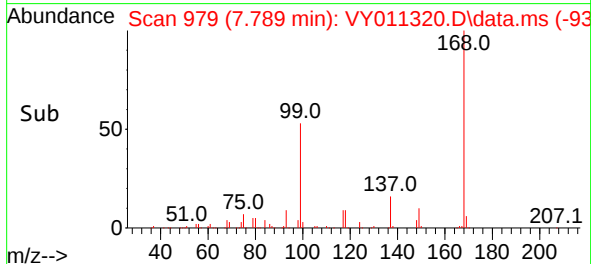
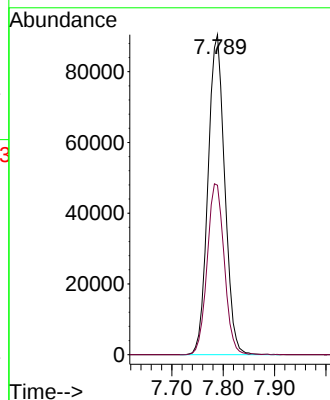
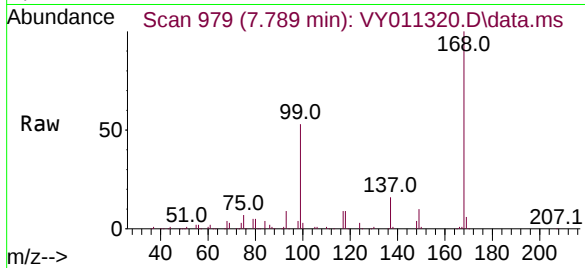




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

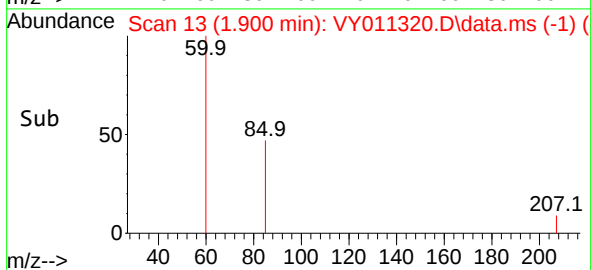
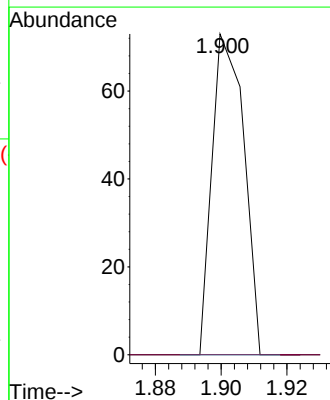
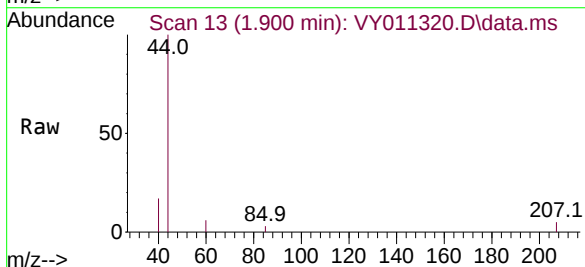
Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

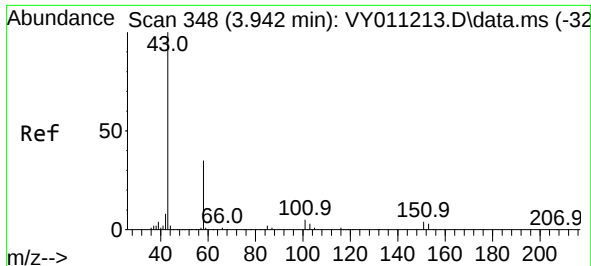
Tgt Ion:168 Resp: 204241  
Ion Ratio Lower Upper  
168 100  
99 53.0 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 85 Resp: 49  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

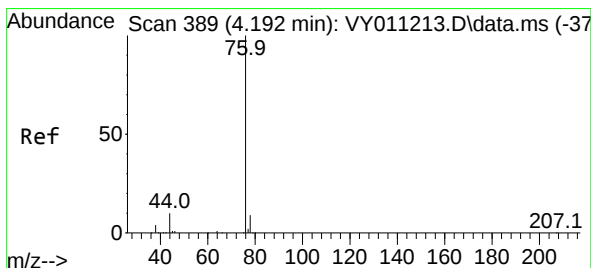
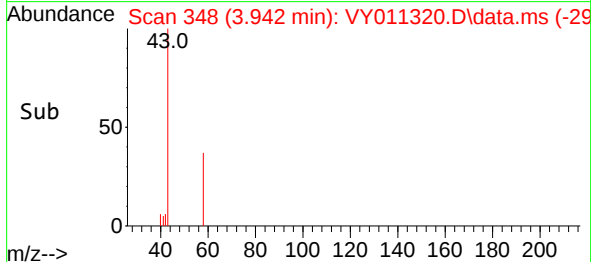
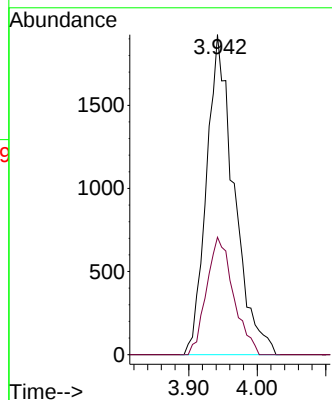
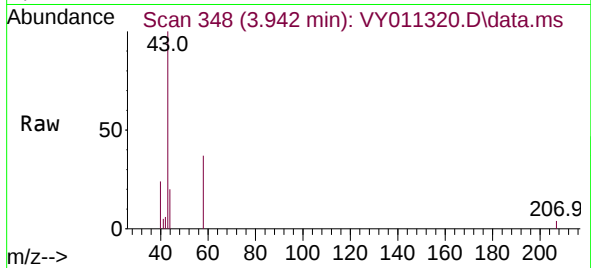




#16  
Acetone  
Concen: 8.188 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

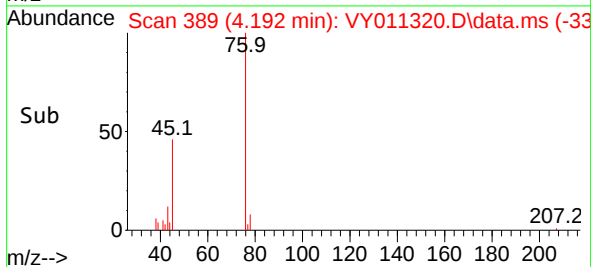
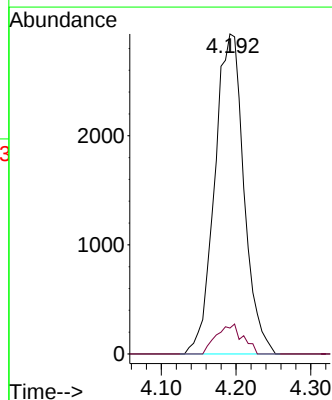
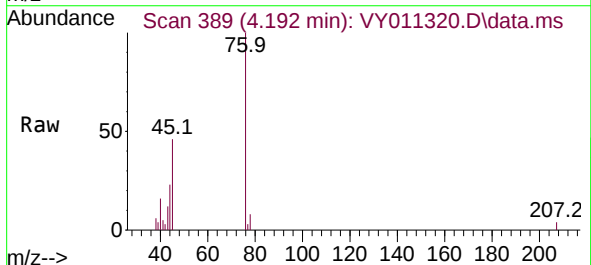
Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

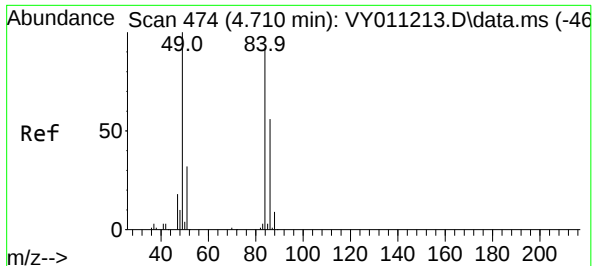
Tgt Ion: 43 Resp: 5399  
Ion Ratio Lower Upper  
43 100  
58 36.7 22.0 33.0#



#17  
Carbon Disulfide  
Concen: 1.093 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 76 Resp: 7974  
Ion Ratio Lower Upper  
76 100  
78 8.1 7.4 11.0

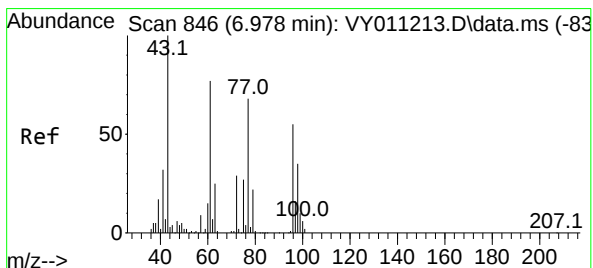
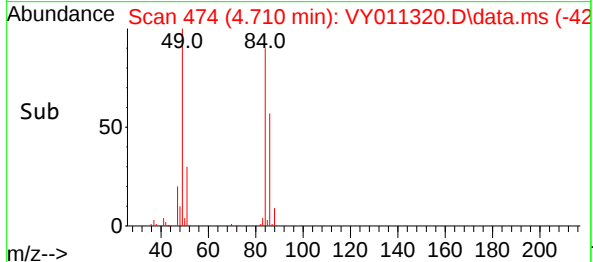
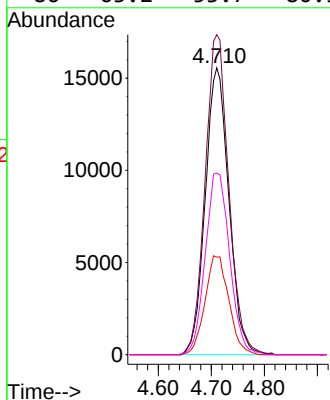
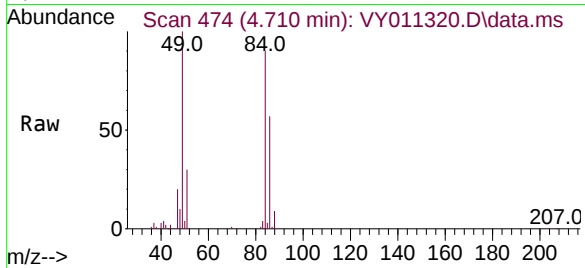




#20  
Methylene Chloride  
Concen: 14.270 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

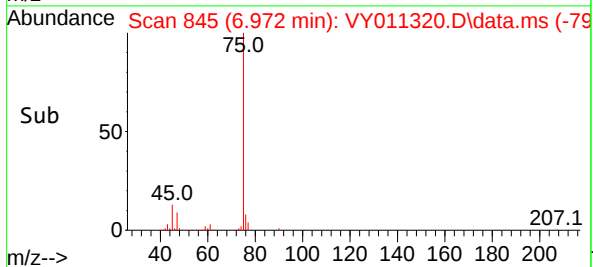
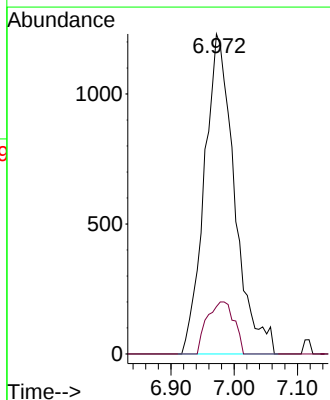
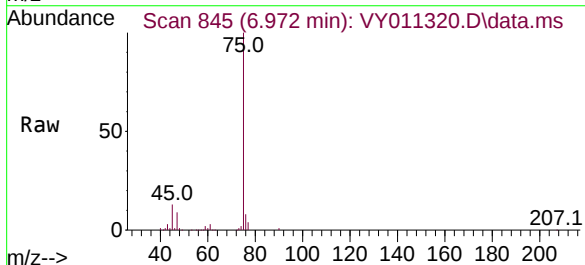
Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

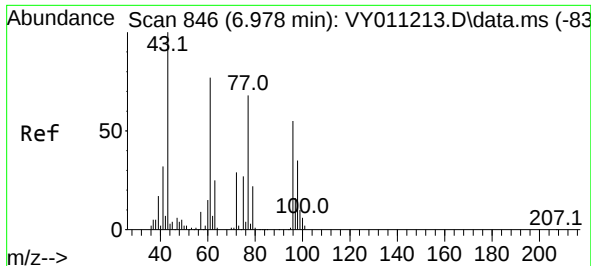
Tgt Ion: 84 Resp: 48171  
Ion Ratio Lower Upper  
84 100  
49 111.5 114.4 171.6#  
51 34.0 35.3 52.9#  
86 63.2 53.7 80.5



#25  
2-Butanone  
Concen: 4.384 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 43 Resp: 4067  
Ion Ratio Lower Upper  
43 100  
72 14.8 17.7 26.5#

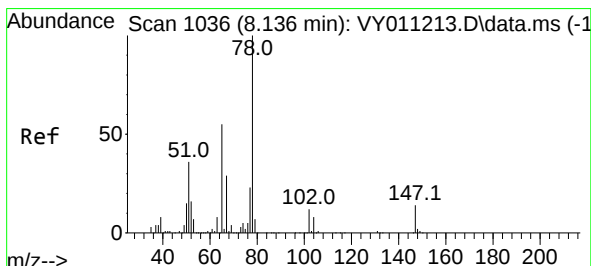
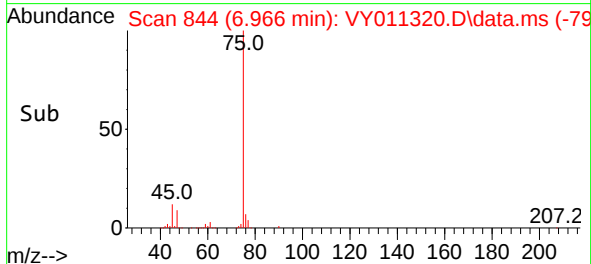
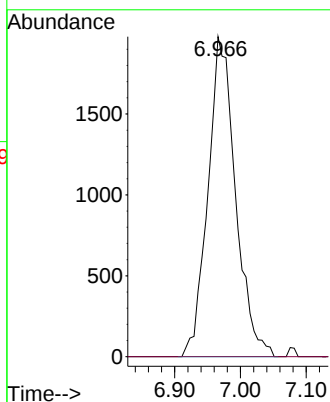
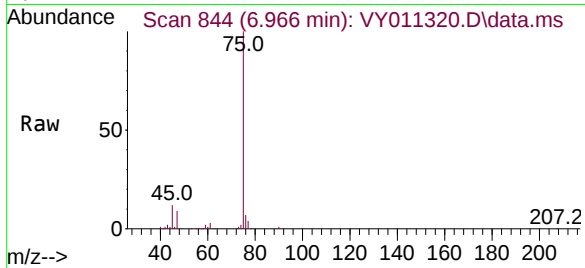




#26  
2,2-Dichloropropane  
Concen: 1.447 ug/l  
RT: 6.966 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

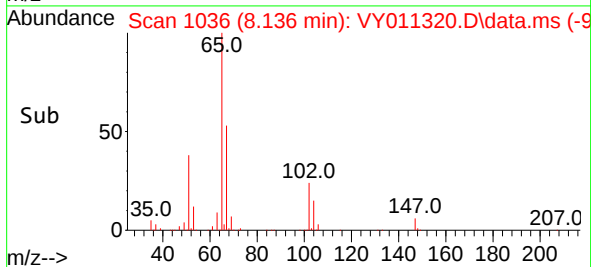
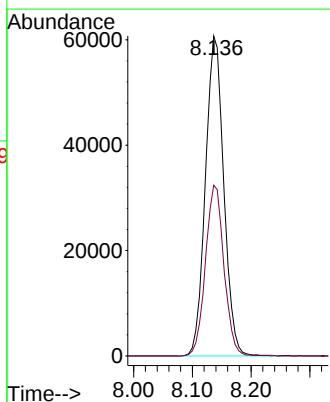
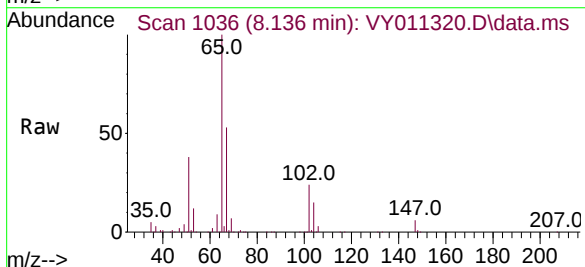
Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

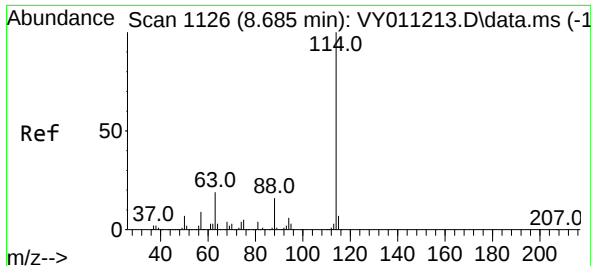
Tgt Ion: 77 Resp: 5781  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#



#33  
1,2-Dichloroethane-d4  
Concen: 60.391 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 65 Resp: 131917  
Ion Ratio Lower Upper  
65 100  
67 53.7 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: VY011320.D

Acq: 04 Nov 2022 23:56

Instrument :

MSVOA\_Y

ClientSampleId :

250FERRYBLVD-TFS-11

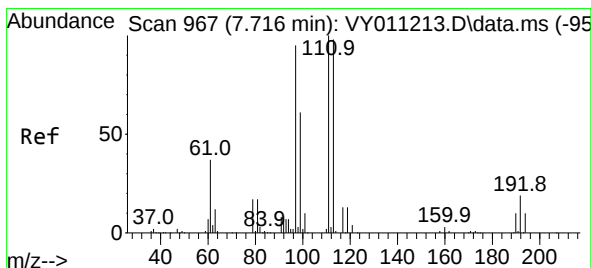
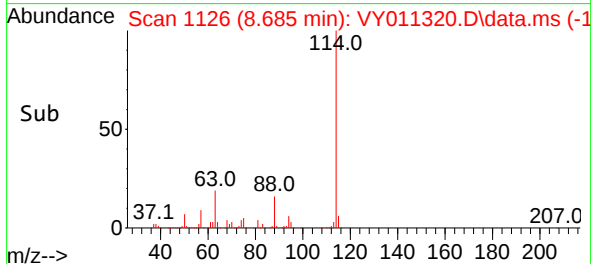
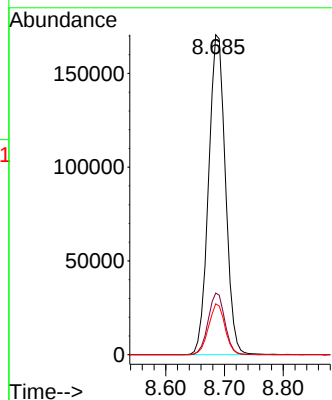
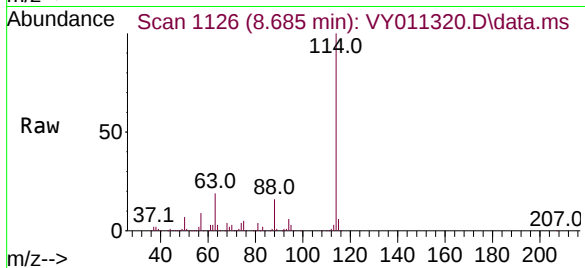
Tgt Ion:114 Resp: 339386

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.390 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011320.D

Acq: 04 Nov 2022 23:56

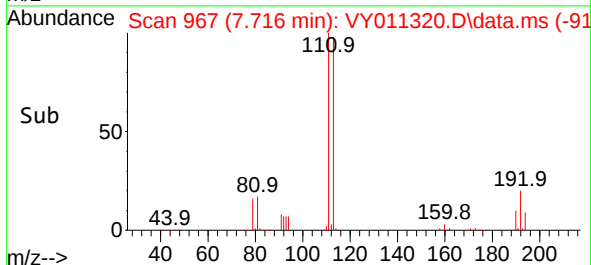
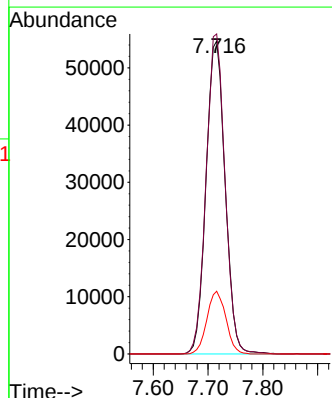
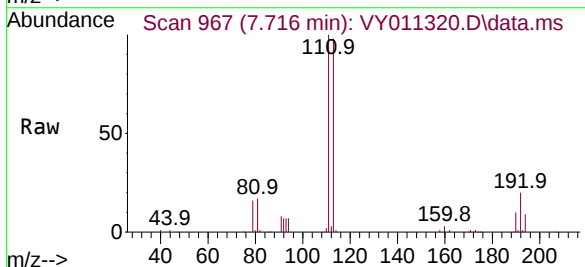
Tgt Ion:113 Resp: 131683

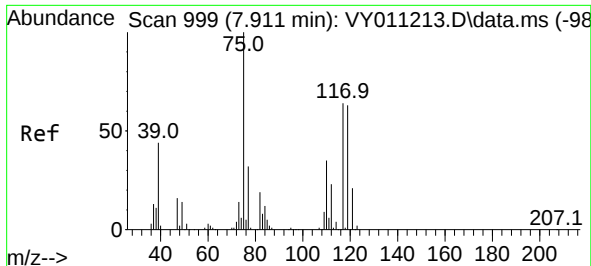
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 19.9 17.6 26.4

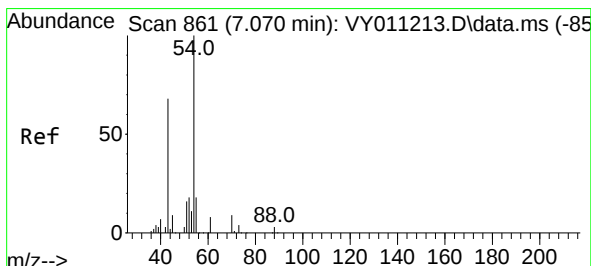
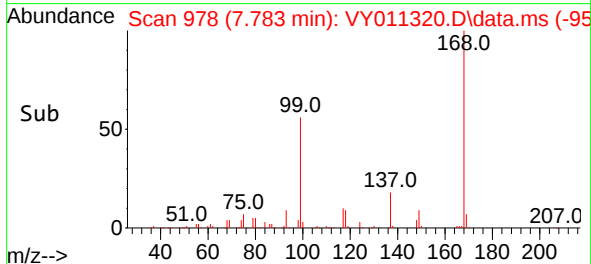
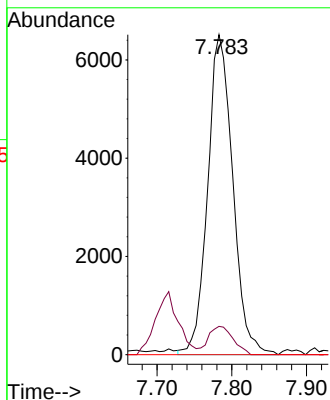
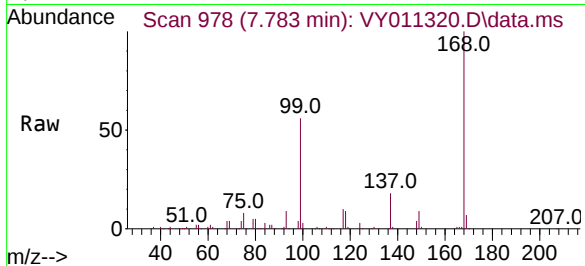




#36  
 1,1-Dichloropropene  
 Concen: 4.272 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.134 min  
 Lab File: VY011320.D  
 Acq: 04 Nov 2022 23:56

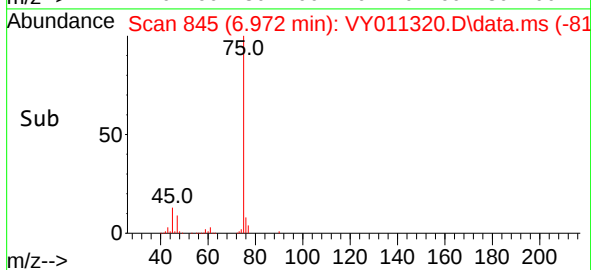
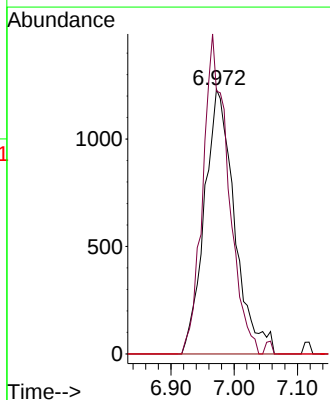
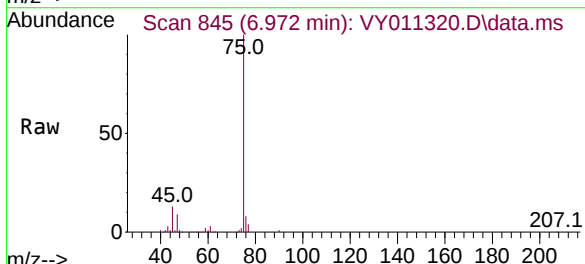
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 250FERRYBLVD-TFS-11

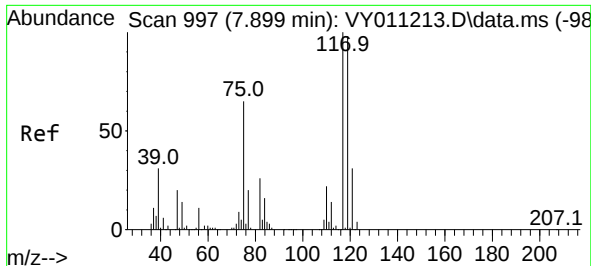
Tgt Ion: 75 Resp: 15212  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 17.1 51.2#  
 77 0.0 24.4 36.6#



#37  
 Ethyl Acetate  
 Concen: 2.119 ug/l  
 RT: 6.972 min Scan# 845  
 Delta R.T. -0.098 min  
 Lab File: VY011320.D  
 Acq: 04 Nov 2022 23:56

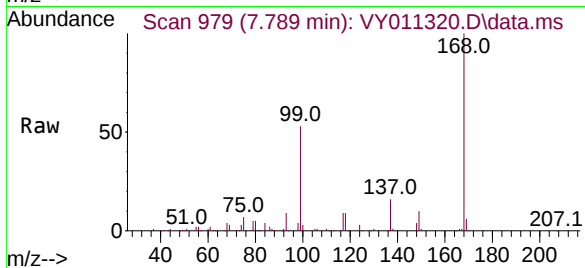
Tgt Ion: 43 Resp: 4067  
 Ion Ratio Lower Upper  
 43 100  
 61 102.0 9.7 14.5#  
 70 0.0 7.1 10.7#



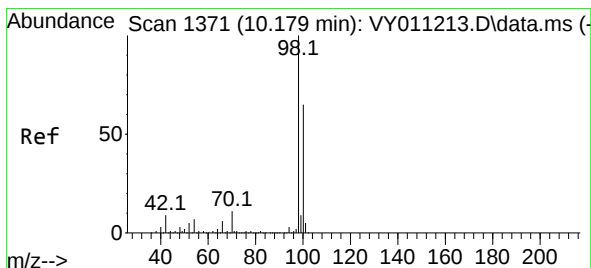
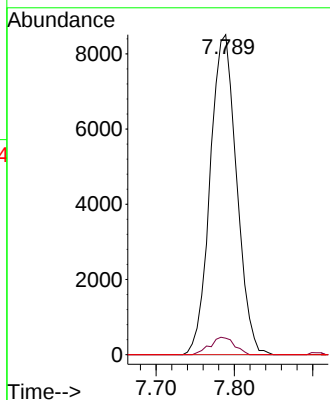
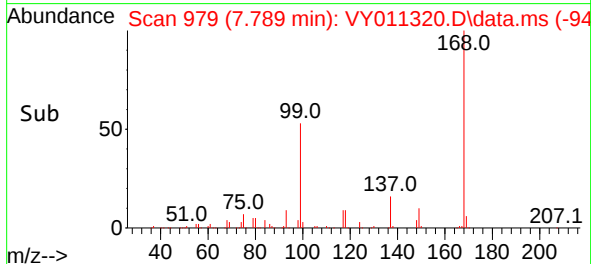


#38  
Carbon Tetrachloride  
Concen: 5.405 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

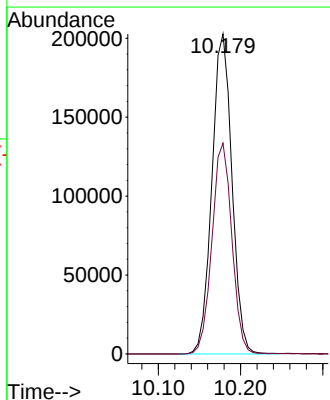
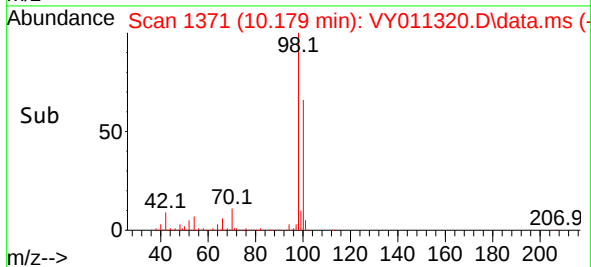
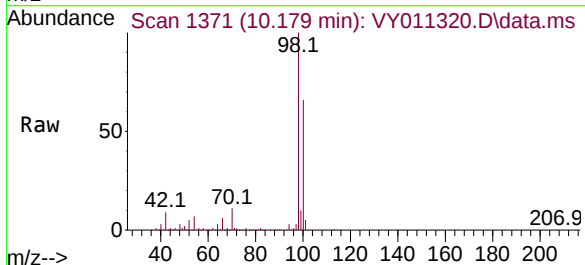


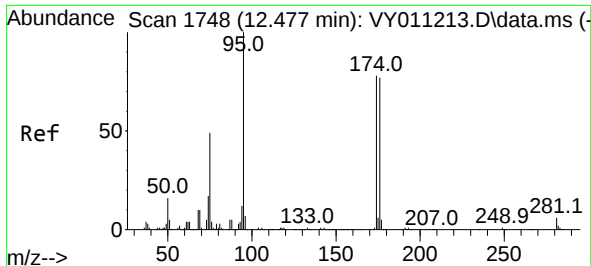
Tgt Ion: 117 Resp: 19966  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 40.551 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 98 Resp: 343308  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.2 75.2

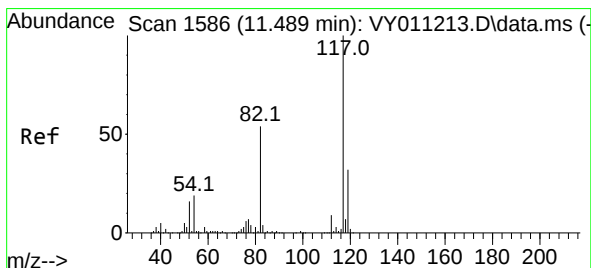
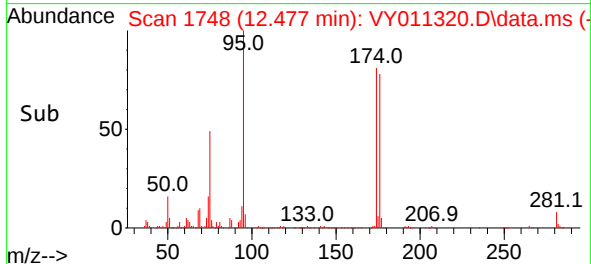
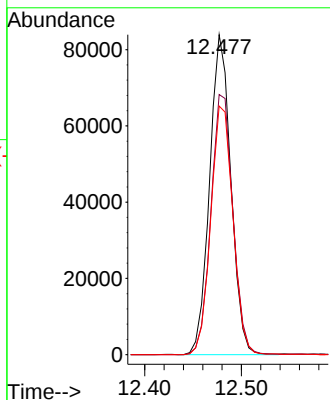
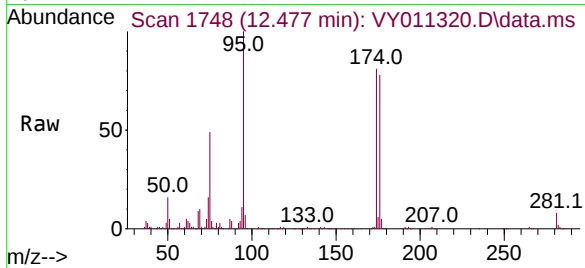




#62  
4-Bromofluorobenzene  
Concen: 43.664 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

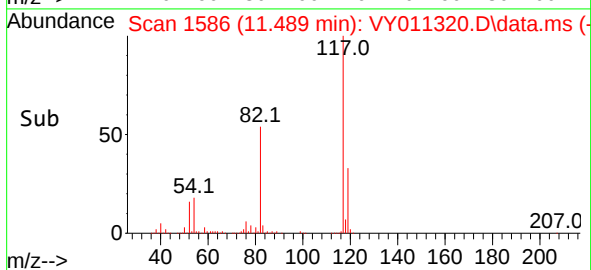
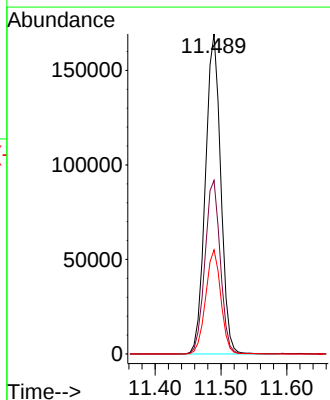
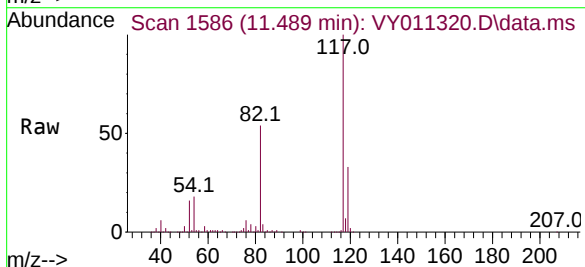
Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

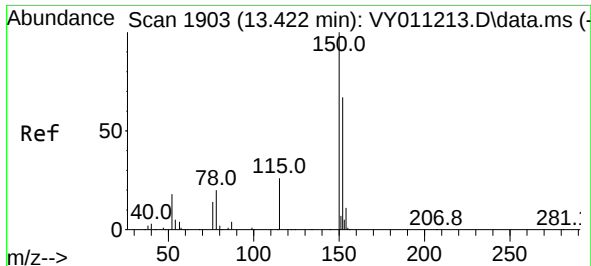
Tgt Ion: 95 Resp: 128333  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 177.0  
176 81.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 117 Resp: 274695  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.0 64.4  
119 32.6 25.4 38.0

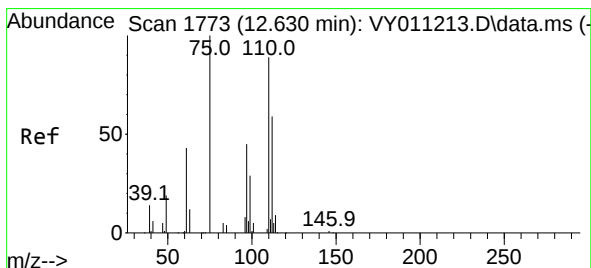
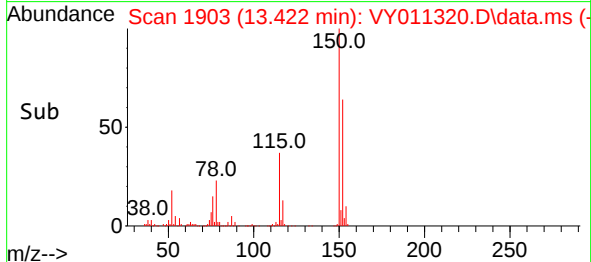
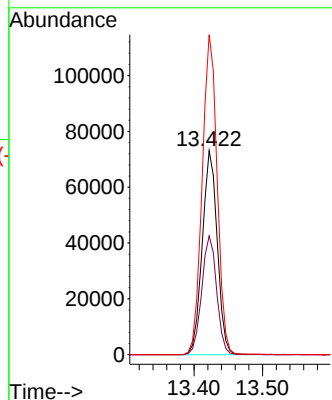
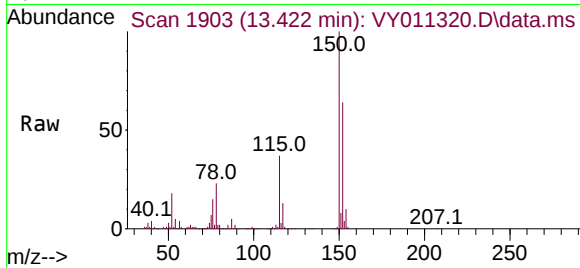




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY011320.D  
 Acq: 04 Nov 2022 23:56

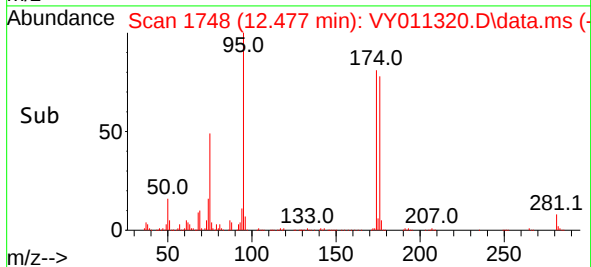
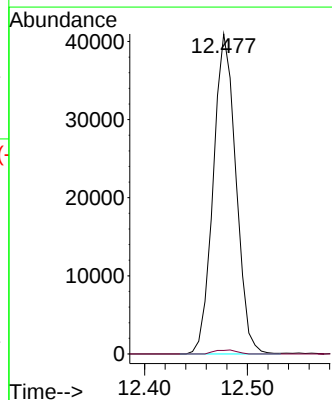
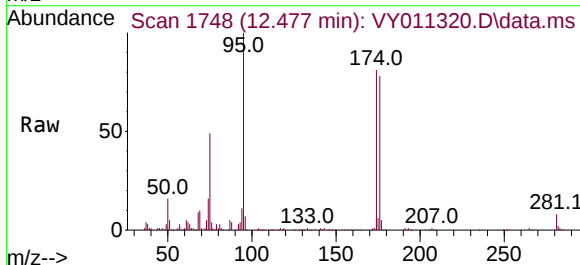
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 250FERRYBLVD-TFS-11

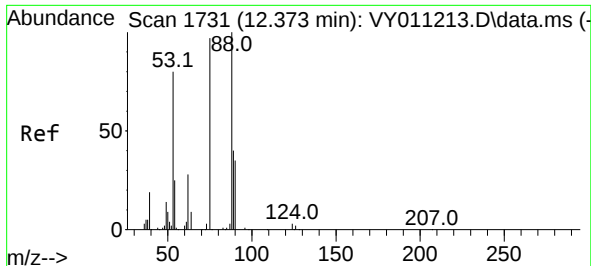
Tgt Ion:152 Resp: 111334  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 28.2 84.7  
 150 157.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 46.352 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY011320.D  
 Acq: 04 Nov 2022 23:56

Tgt Ion: 75 Resp: 62826  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

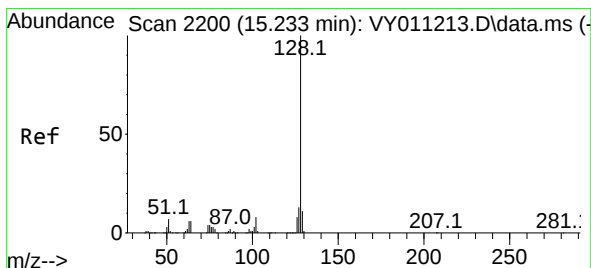
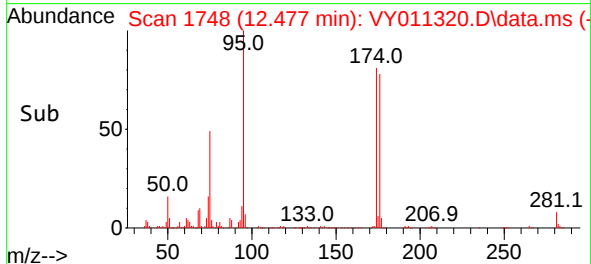
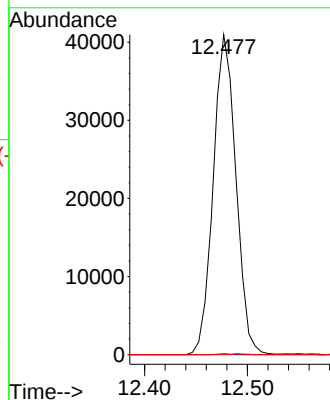
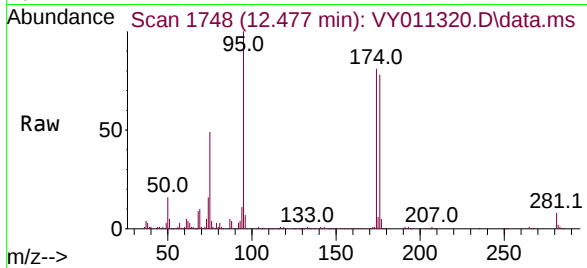




#81  
trans-1,4-Dichloro-2-butene  
Concen: 99.200 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
250FERRYBLVD-TFS-11

Tgt Ion: 75 Resp: 62826  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.2 37.0 55.4#



#95  
Naphthalene  
Concen: 4.013 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY011320.D  
Acq: 04 Nov 2022 23:56

Tgt Ion: 128 Resp: 236  
Ion Ratio Lower Upper  
128 100  
127 0.0 11.0 16.4#  
129 0.0 8.4 12.6#

