

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081122\  
 Data File : VY009978.D  
 Acq On : 11 Aug 2022 20:52  
 Operator : KP/MD  
 Sample : N4119-01RE  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-2-4FT

Quant Time: Aug 12 02:51:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 17:37:28 2022  
 Response via : Initial Calibration

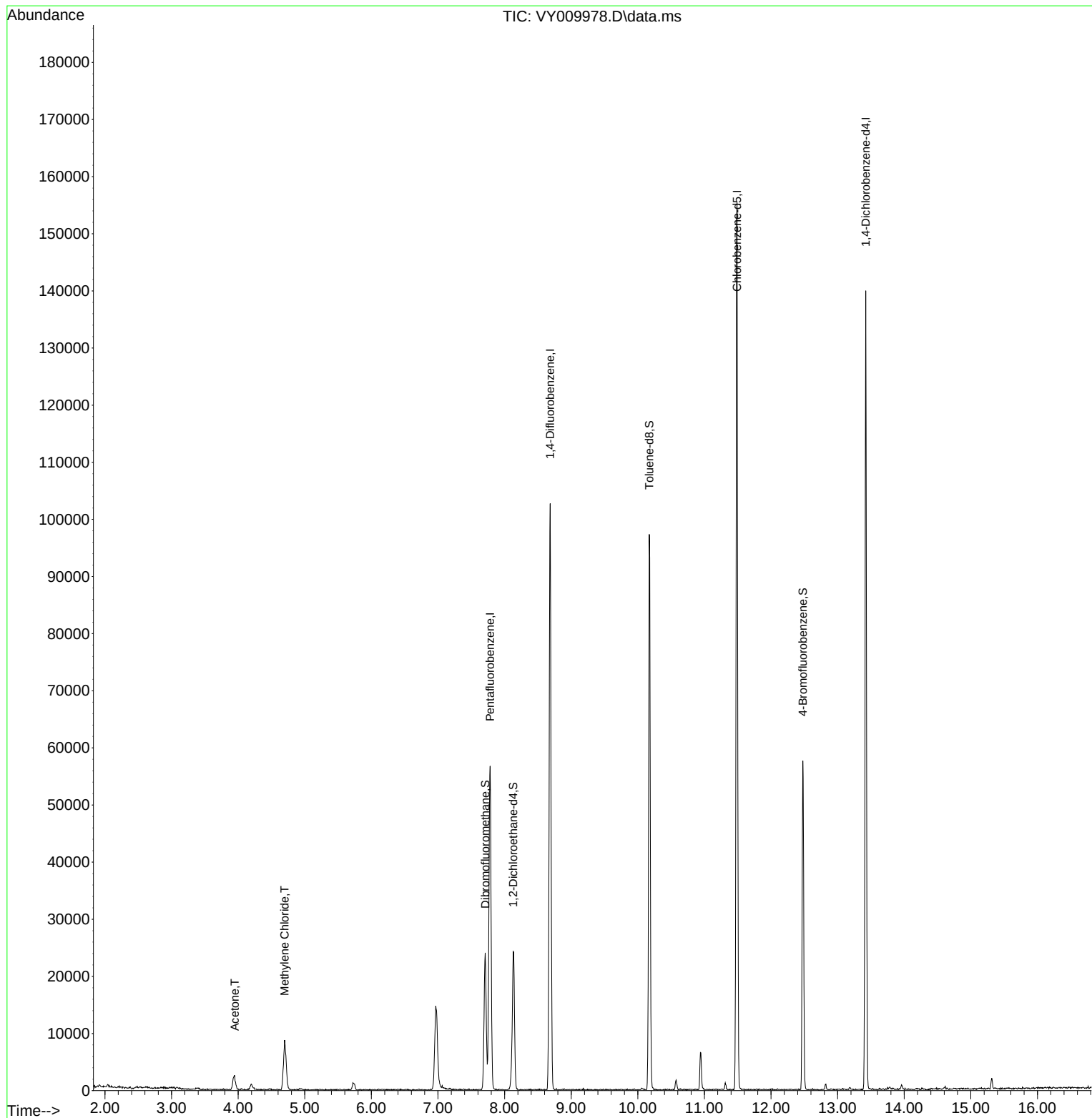
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783     | 168   | 43073    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 85768    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 83537    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 32873    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.130     | 65    | 16854    | 50.351   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =      | 100.700% |
| 35) Dibromofluoromethane    | 7.710     | 113   | 16683    | 33.807   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =      | 67.620%  |
| 50) Toluene-d8              | 10.173    | 98    | 61839    | 41.892   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | =      | 83.780%  |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 17229    | 24.834   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | =      | 49.660%  |
| Target Compounds            |           |       |          |          |        |          |
| 16) Acetone                 | 3.948     | 43    | 4375     | 40.374   | ug/l # | 82       |
| 20) Methylene Chloride      | 4.698     | 84    | 5981     | 7.502    | ug/l # | 89       |
| -----                       |           |       |          |          |        |          |

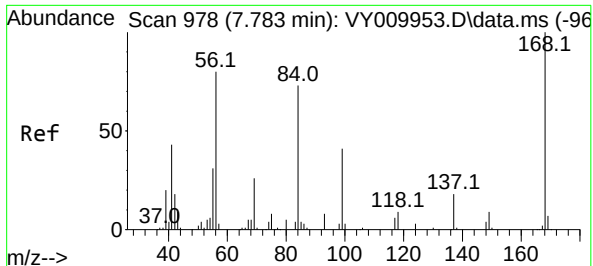
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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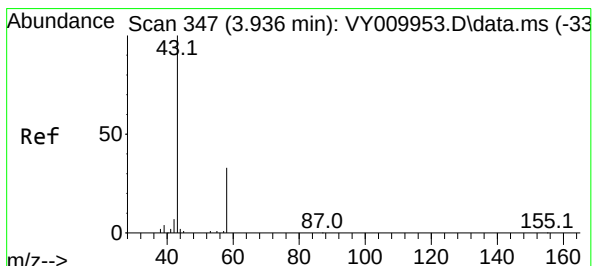
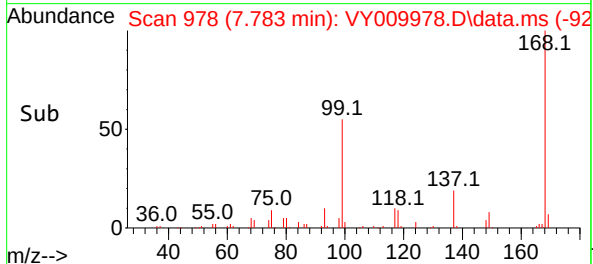
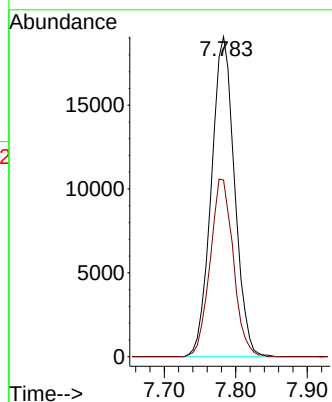
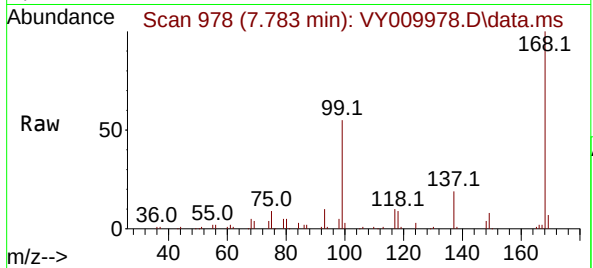




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

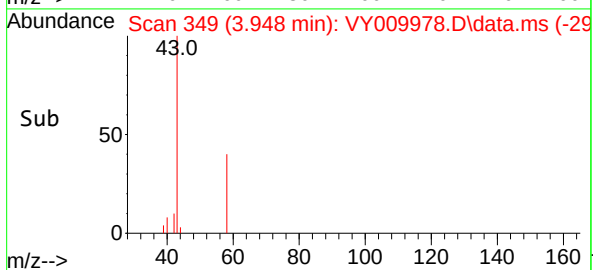
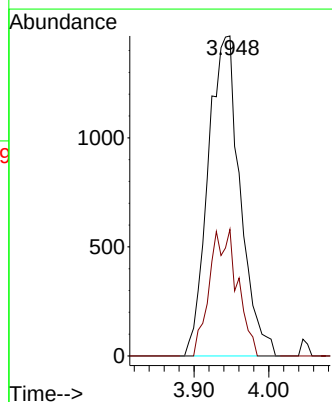
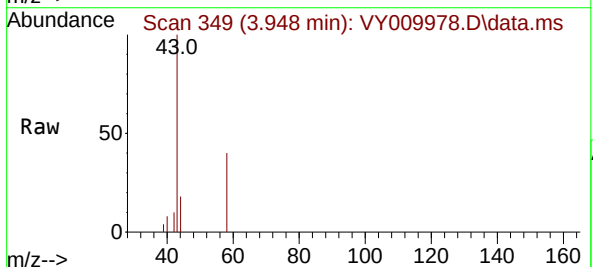
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-2-4FT

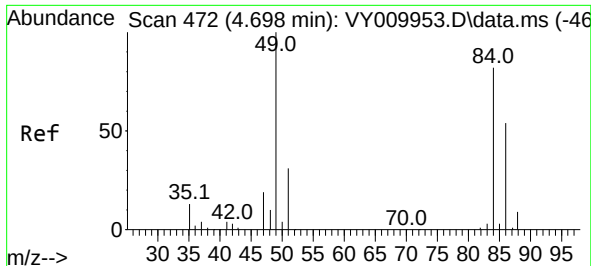
Tgt Ion:168 Resp: 43073  
Ion Ratio Lower Upper  
168 100  
99 55.2 42.1 63.1



#16  
Acetone  
Concen: 40.374 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.012 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

Tgt Ion: 43 Resp: 4375  
Ion Ratio Lower Upper  
43 100  
58 39.5 24.0 36.0#

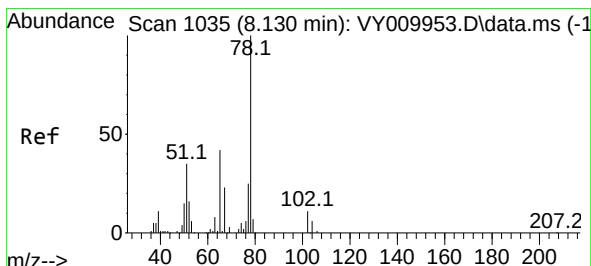
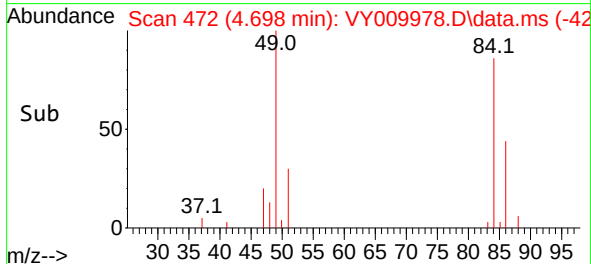
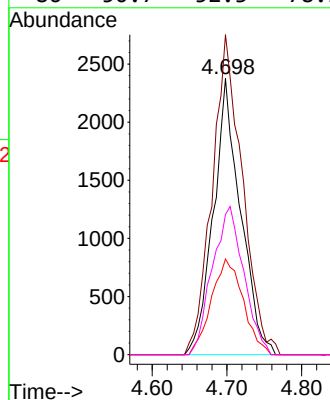
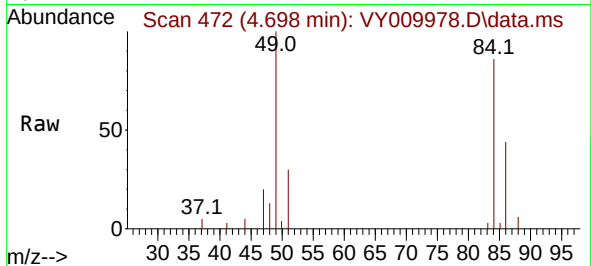




#20  
Methylene Chloride  
Concen: 7.502 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

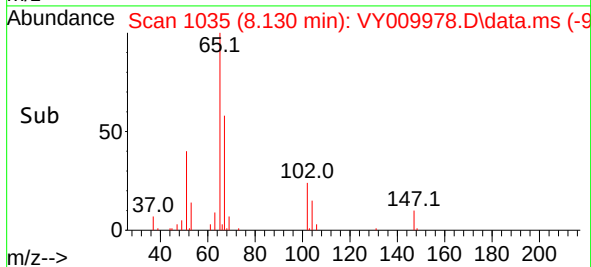
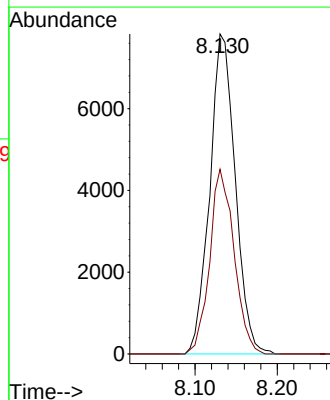
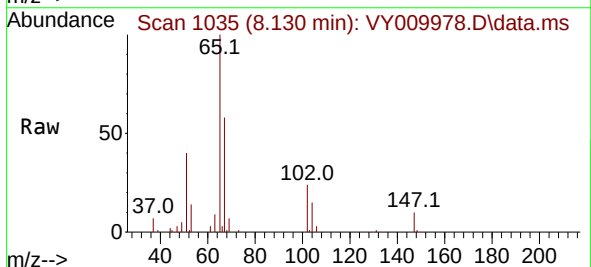
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-2-4FT

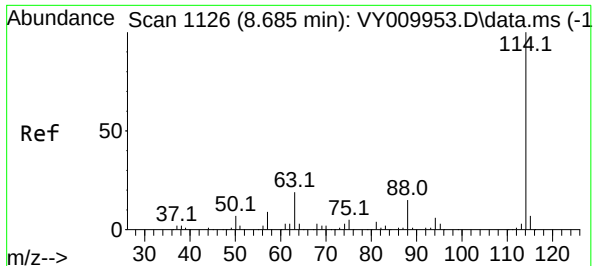
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5981  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.9 | 98.2  | 147.4 |
| 51       | 34.6  | 33.4  | 50.0  |
| 86       | 50.7  | 52.3  | 78.5# |



#33  
1,2-Dichloroethane-d4  
Concen: 50.351 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 16854 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 55.3  | 0.0   | 108.4 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009978.D

Acq: 11 Aug 2022 20:52

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-2-4FT

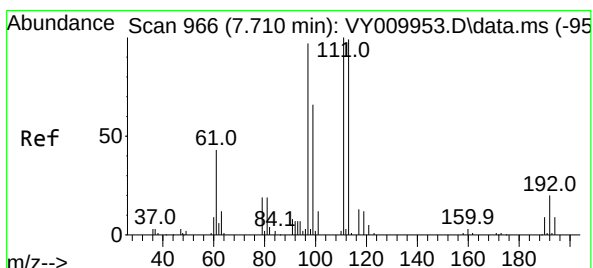
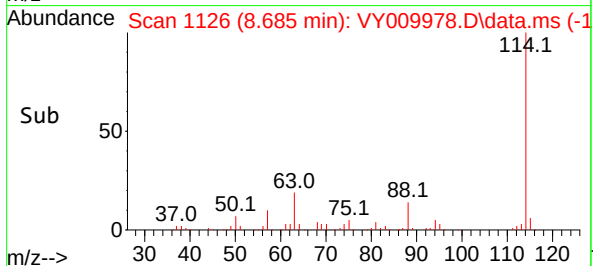
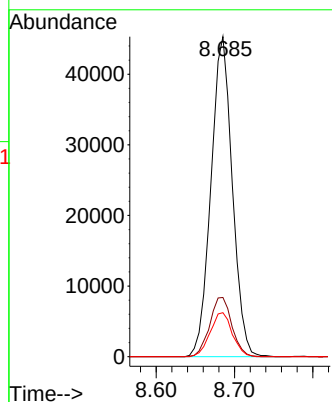
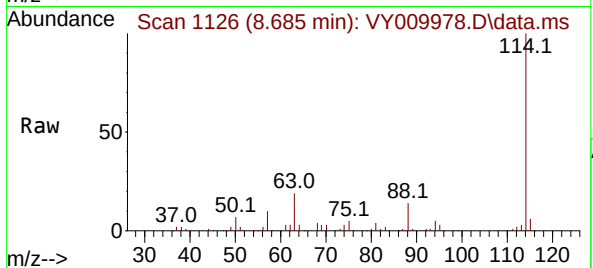
Tgt Ion:114 Resp: 85768

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

88 13.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 33.807 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009978.D

Acq: 11 Aug 2022 20:52

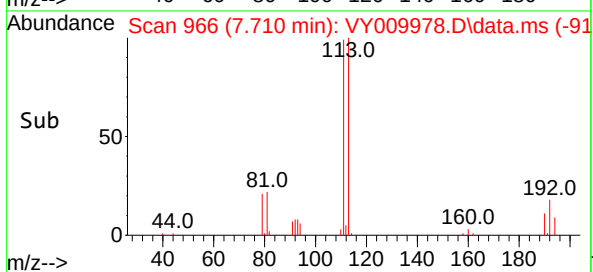
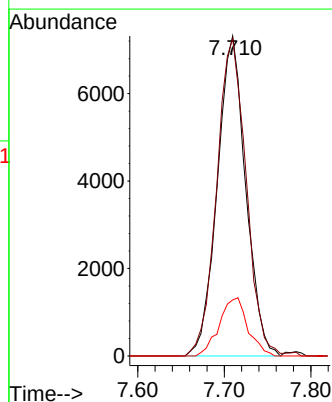
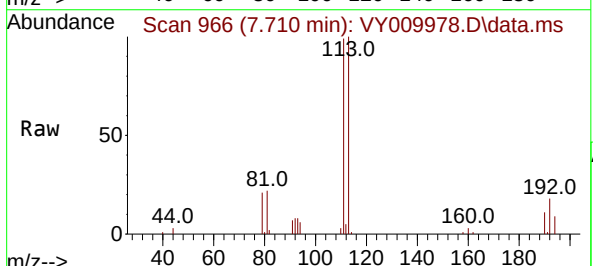
Tgt Ion:113 Resp: 16683

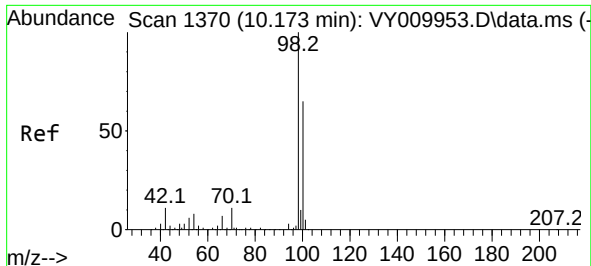
Ion Ratio Lower Upper

113 100

111 102.7 80.6 120.8

192 18.2 16.2 24.4

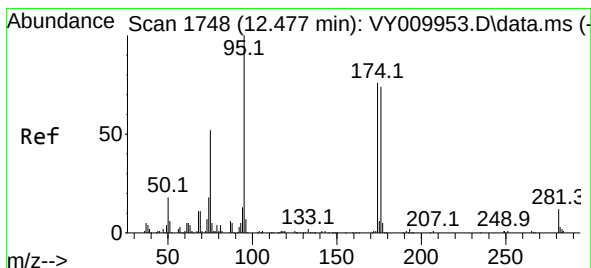
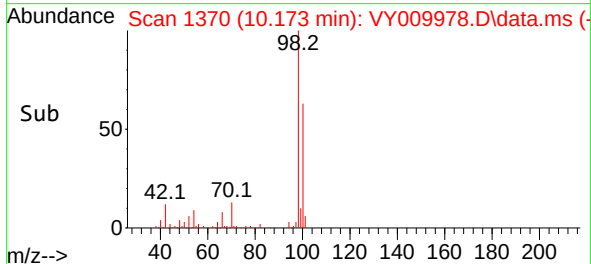
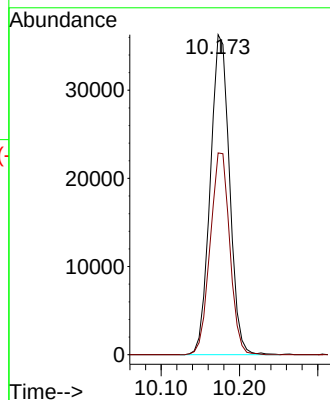
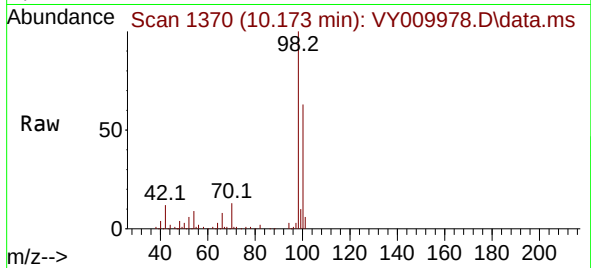




#50  
Toluene-d8  
Concen: 41.892 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

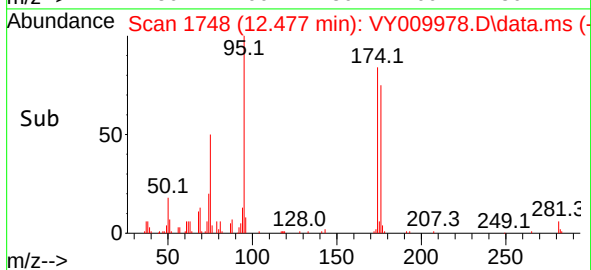
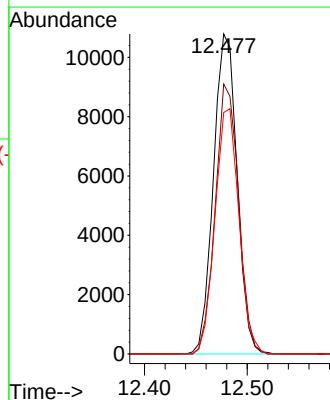
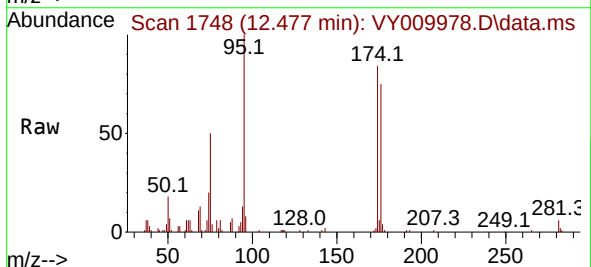
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-2-4FT

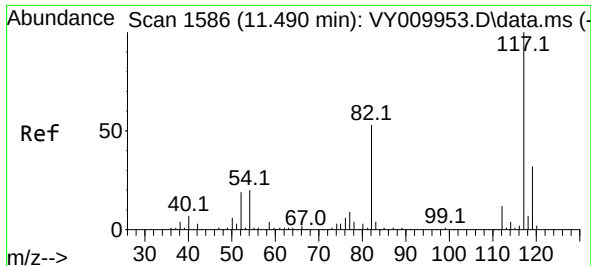
Tgt Ion: 98 Resp: 61839  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 24.834 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

Tgt Ion: 95 Resp: 17229  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 173.8  
176 77.5 0.0 167.0

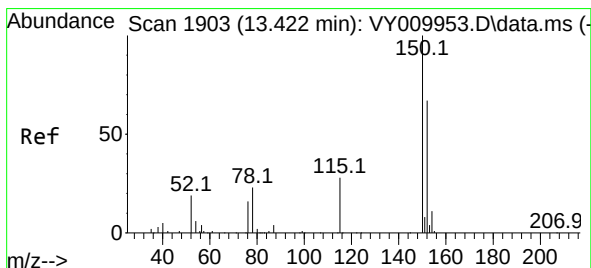
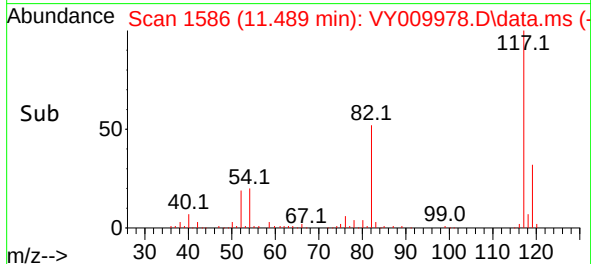
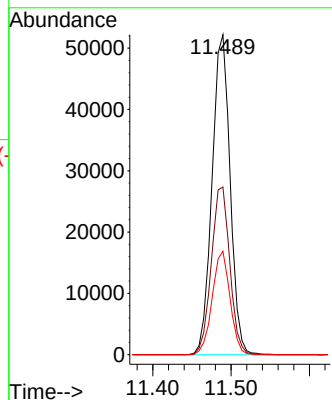
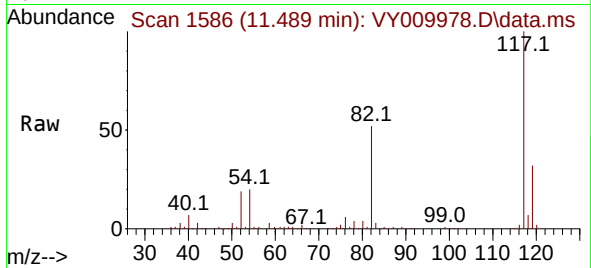




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-2-4FT

Tgt Ion:117 Resp: 83537  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.8 62.6  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009978.D  
Acq: 11 Aug 2022 20:52

Tgt Ion:152 Resp: 32873  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.6 85.9  
150 159.8 0.0 349.8

