

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014650.D  
 Acq On : 14 Jul 2023 16:15  
 Operator : SY/MD  
 Sample : 03580-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SAMPLE-2

Quant Time: Jul 14 23:12:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

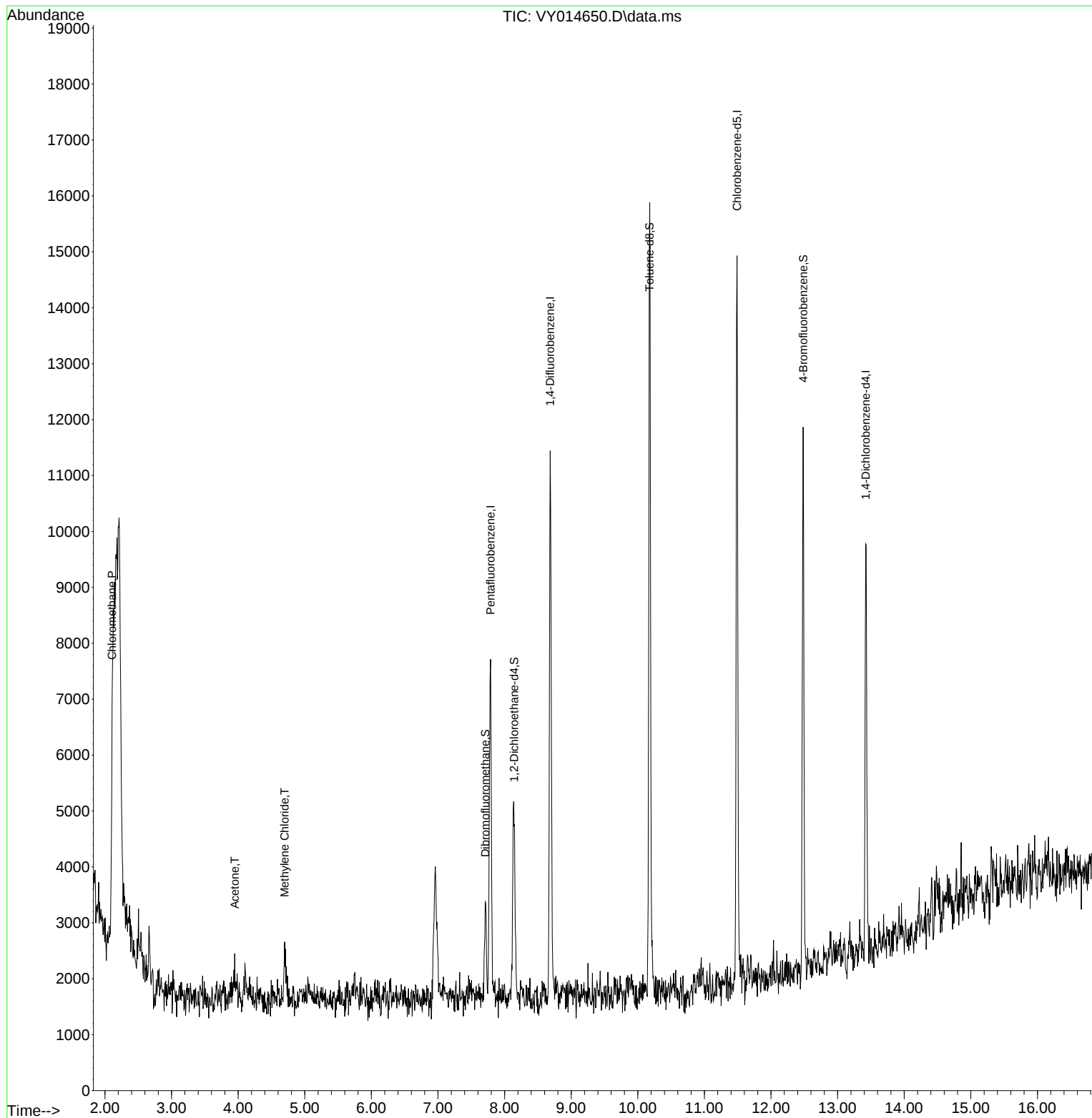
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789     | 168   | 4923     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 8599     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490    | 117   | 7095     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 2107     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.143     | 65    | 2879     | 51.320   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 102.640% |          |
| 35) Dibromofluoromethane    | 7.710     | 113   | 1170     | 21.374   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 42.740%# |          |
| 50) Toluene-d8              | 10.179    | 98    | 9637     | 47.752   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 95.500%  |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 3222     | 41.637   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 83.280%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 3) Chloromethane            | 2.107     | 50    | 292      | 6.477    | ug/l       | 90       |
| 16) Acetone                 | 3.948     | 43    | 913      | 51.358   | ug/l #     | 87       |
| 20) Methylene Chloride      | 4.698     | 84    | 611      | 6.944    | ug/l       | 95       |
| -----                       |           |       |          |          |            |          |

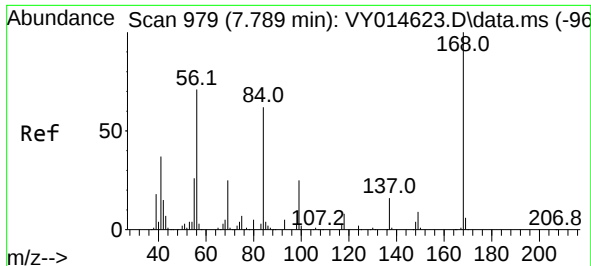
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Time: Jul 14 23:12:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

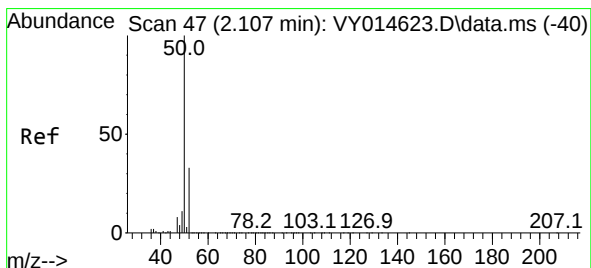
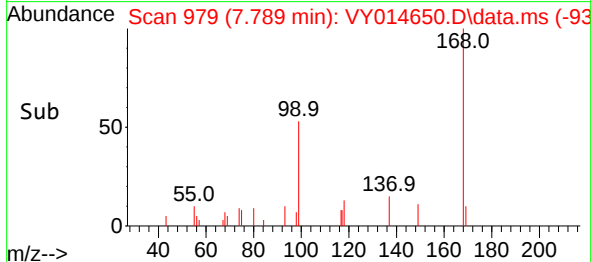
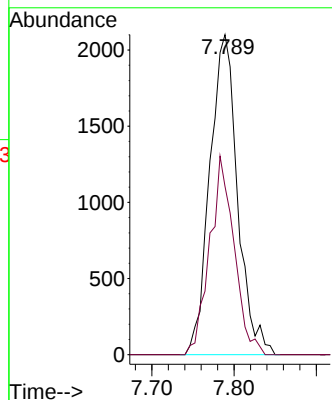
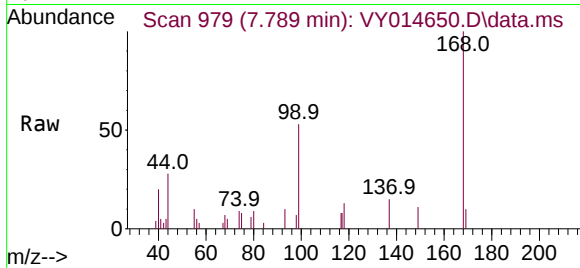




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

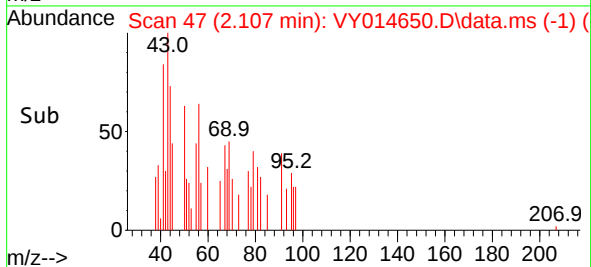
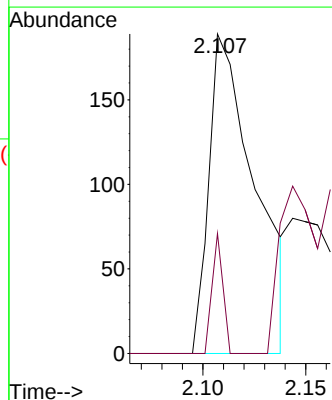
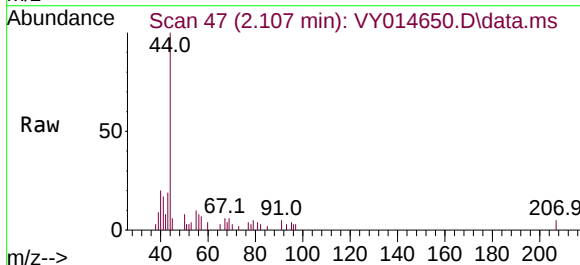
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-2

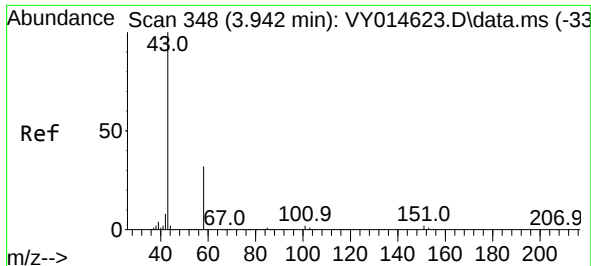
Tgt Ion:168 Resp: 4923  
Ion Ratio Lower Upper  
168 100  
99 52.6 43.4 65.0



#3  
Chloromethane  
Concen: 6.477 ug/l  
RT: 2.107 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

Tgt Ion: 50 Resp: 292  
Ion Ratio Lower Upper  
50 100  
52 37.6 25.4 38.2

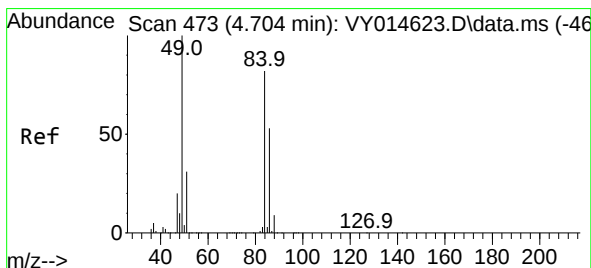
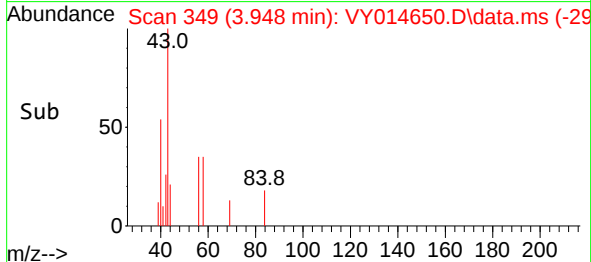
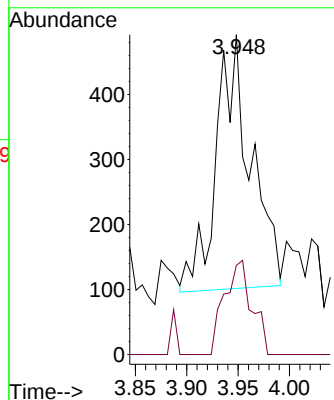
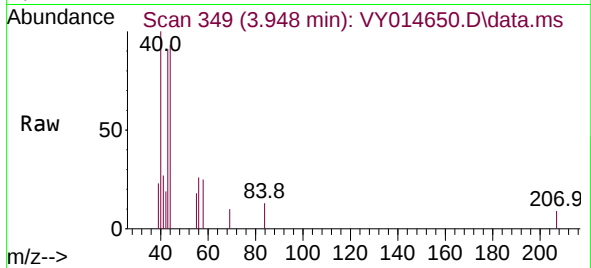




#16  
Acetone  
Concen: 51.358 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

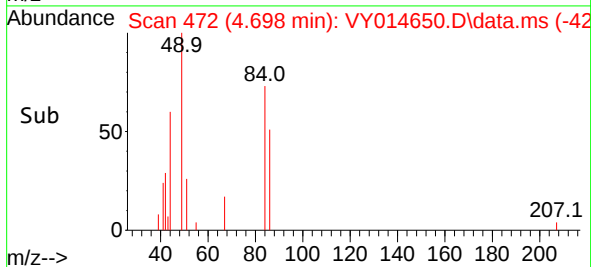
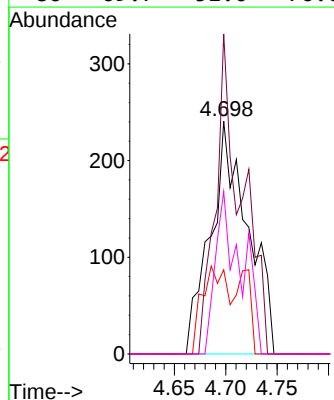
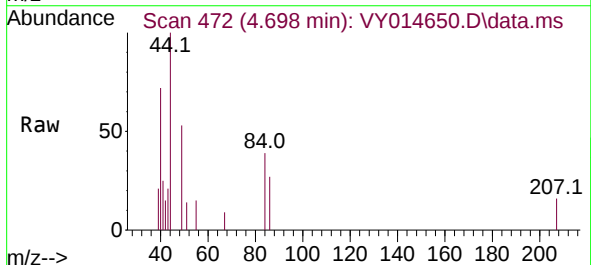
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-2

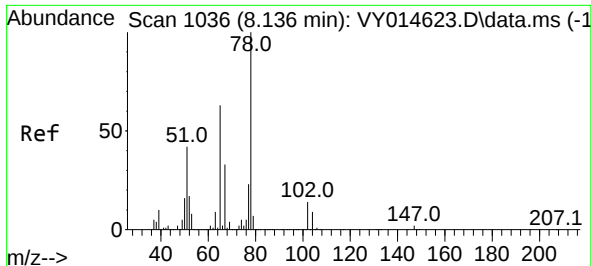
Tgt Ion: 43 Resp: 913  
Ion Ratio Lower Upper  
43 100  
58 35.5 22.7 34.1#



#20  
Methylene Chloride  
Concen: 6.944 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.006 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

Tgt Ion: 84 Resp: 611  
Ion Ratio Lower Upper  
84 100  
49 137.3 106.9 160.3  
51 36.1 33.2 49.8  
86 69.7 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 51.320 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VY014650.D

Acq: 14 Jul 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

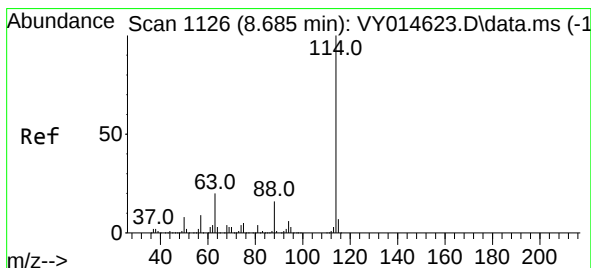
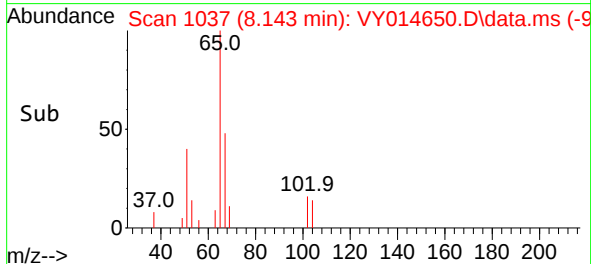
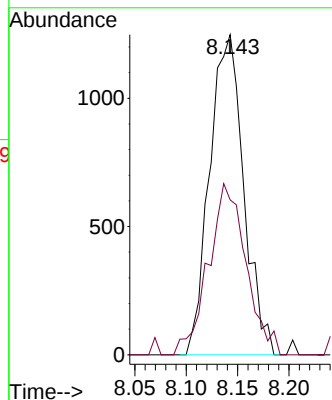
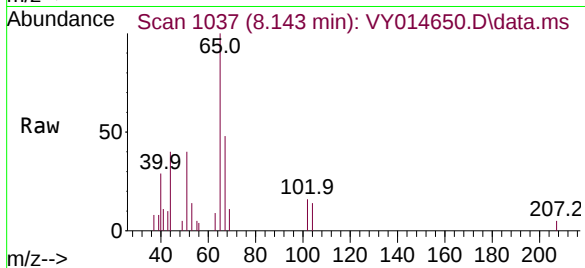
SAMPLE-2

Tgt Ion: 65 Resp: 2879

Ion Ratio Lower Upper

65 100

67 59.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014650.D

Acq: 14 Jul 2023 16:15

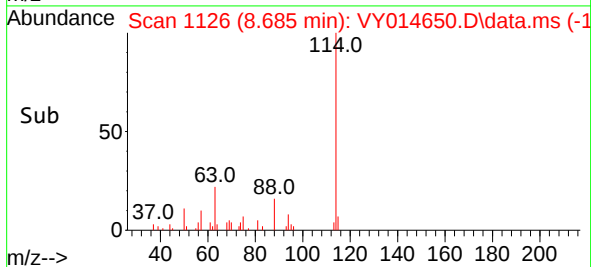
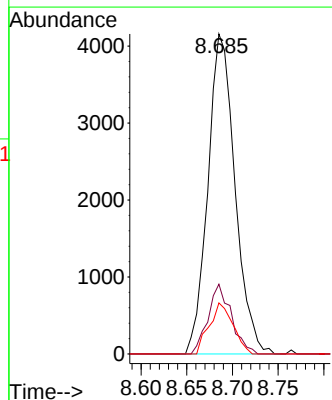
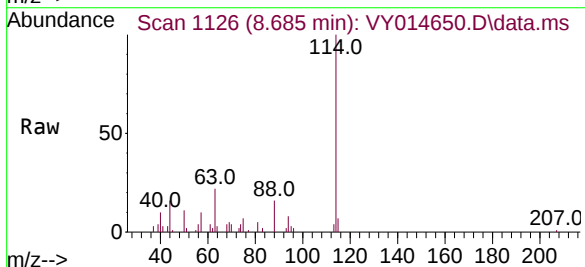
Tgt Ion:114 Resp: 8599

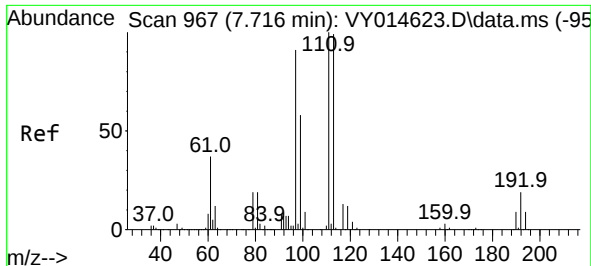
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 15.9 0.0 30.6

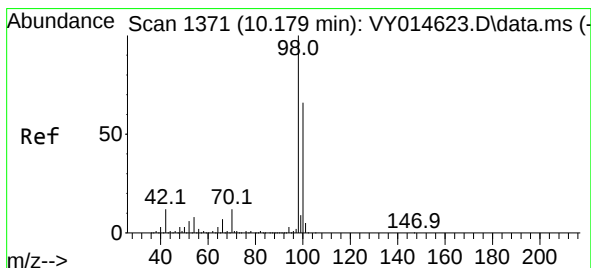
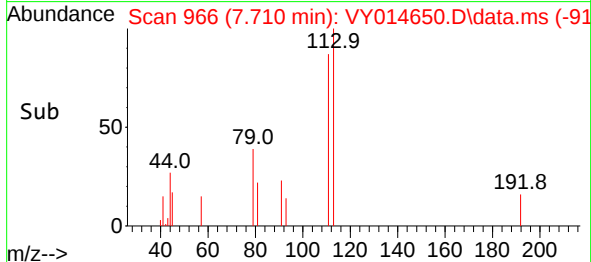
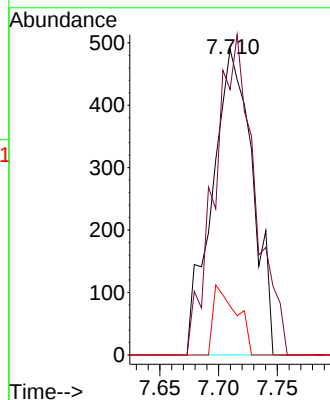
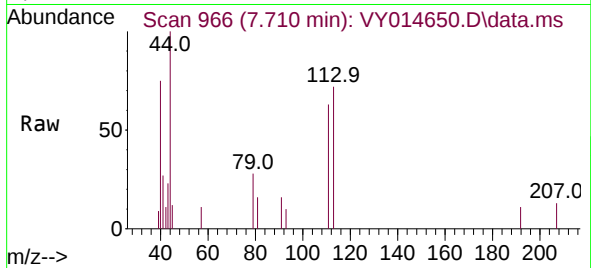




#35  
Dibromofluoromethane  
Concen: 21.374 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

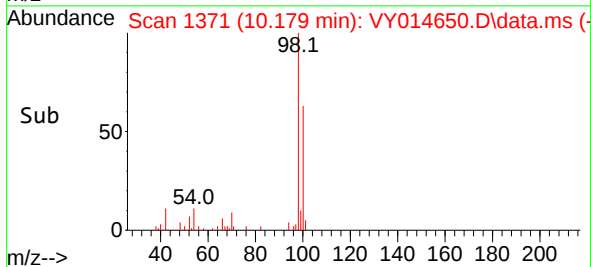
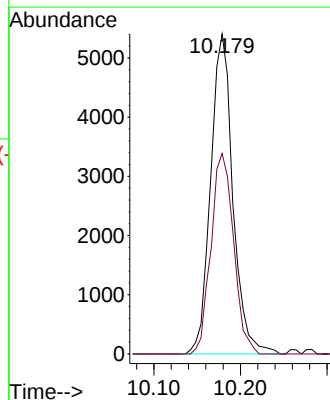
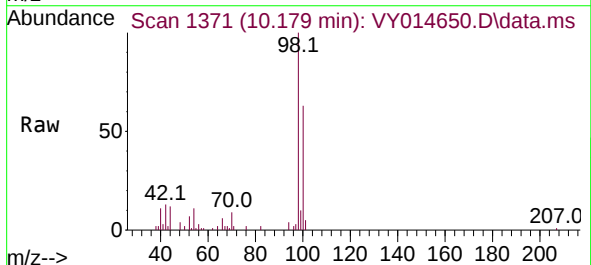
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-2

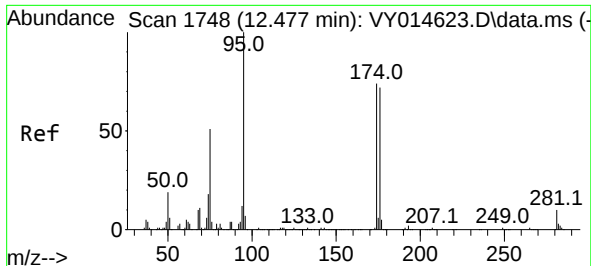
Tgt Ion:113 Resp: 1170  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.3 121.9  
192 13.2 16.9 25.3#



#50  
Toluene-d8  
Concen: 47.752 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

Tgt Ion: 98 Resp: 9637  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.1 75.1

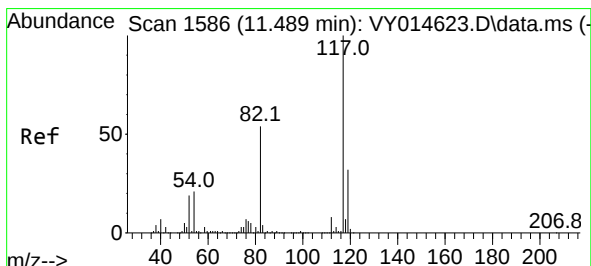
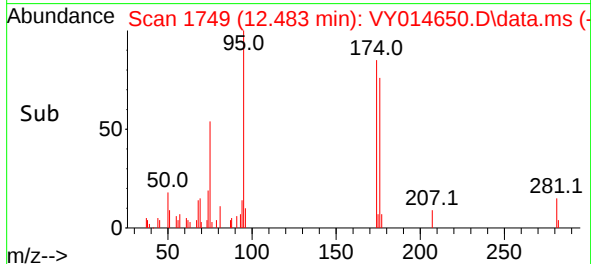
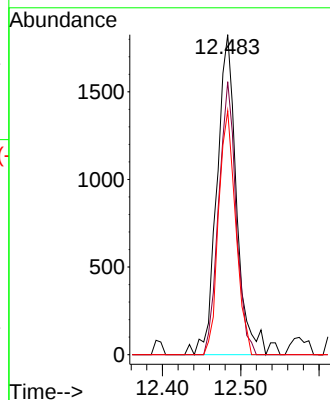
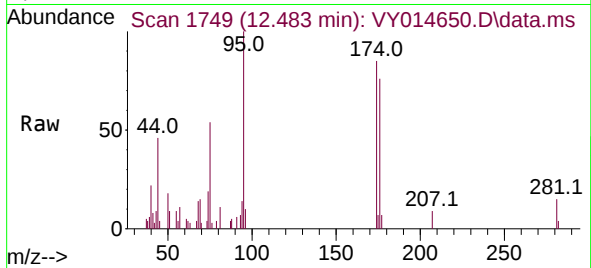




#62  
4-Bromofluorobenzene  
Concen: 41.637 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

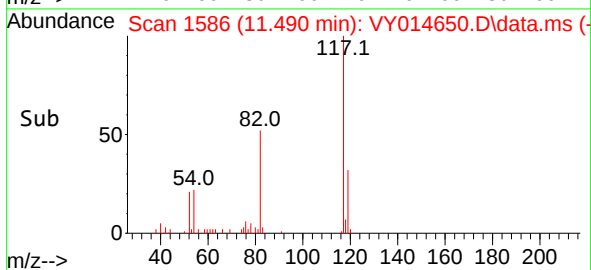
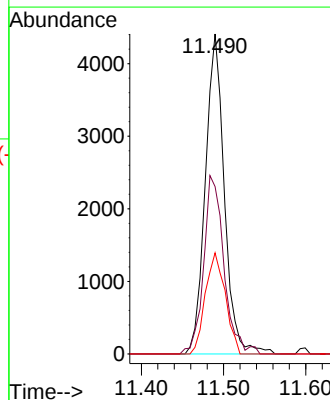
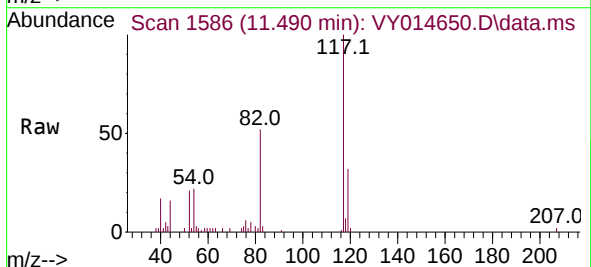
Instrument :  
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SAMPLE-2

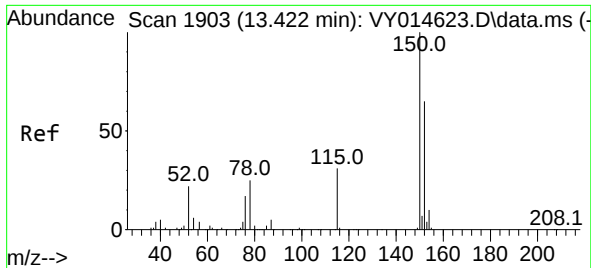
Tgt Ion: 95 Resp: 3222  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 178.2  
176 65.3 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY014650.D  
Acq: 14 Jul 2023 16:15

Tgt Ion: 117 Resp: 7095  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.4 65.0  
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014650.D

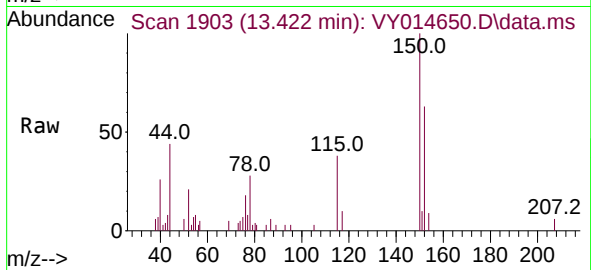
Acq: 14 Jul 2023 16:15

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-2



Tgt Ion:152 Resp: 2107

Ion Ratio Lower Upper

152 100

115 62.4 28.8 86.5

150 155.3 0.0 348.8

