

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052523\  
 Data File : VY013875.D  
 Acq On : 25 May 2023 16:00  
 Operator : KP/MD  
 Sample : 02869-11  
 Misc : 4.83g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP19

Quant Time: May 26 04:34:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 24 05:25:47 2023  
 Response via : Initial Calibration

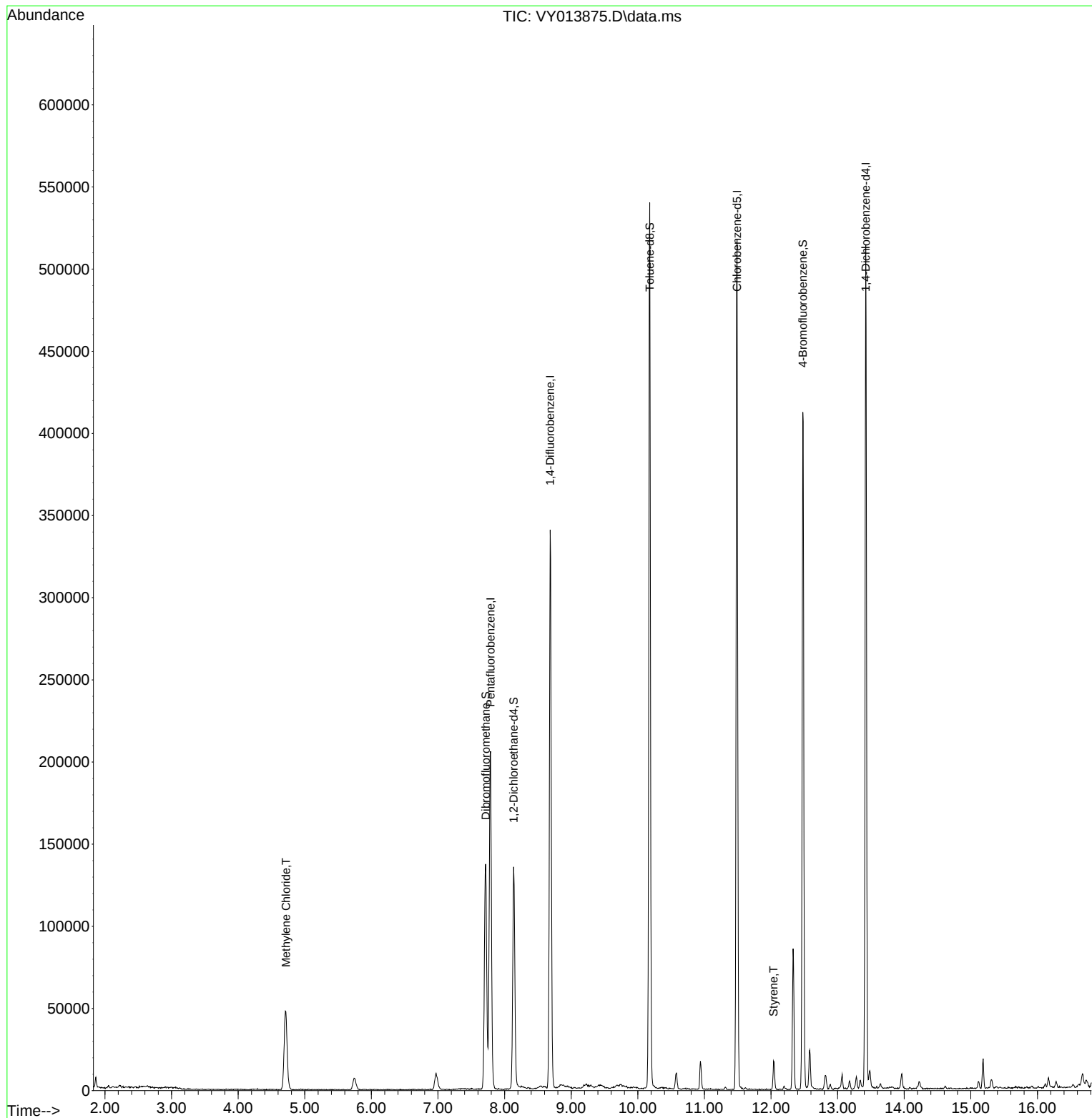
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789     | 168   | 160554   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 274497   | 50.000   | ug/l       | -0.01    |
| 63) Chlorobenzene-d5        | 11.490    | 117   | 274693   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 127121   | 50.000   | ug/l       | 0.00     |
|                             |           |       |          |          |            |          |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 108095   | 58.195   | ug/l       | -0.01    |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 116.400% |          |
| 35) Dibromofluoromethane    | 7.716     | 113   | 95117    | 53.656   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 107.320% |          |
| 50) Toluene-d8              | 10.179    | 98    | 340013   | 50.466   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 100.940% |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 116209   | 51.889   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 103.780% |          |
|                             |           |       |          |          |            |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 20) Methylene Chloride      | 4.716     | 84    | 36354    | 16.918   | ug/l       | 90       |
| 70) Styrene                 | 12.038    | 104   | 8582     | 1.372    | ug/l       | 91       |
| -----                       |           |       |          |          |            |          |

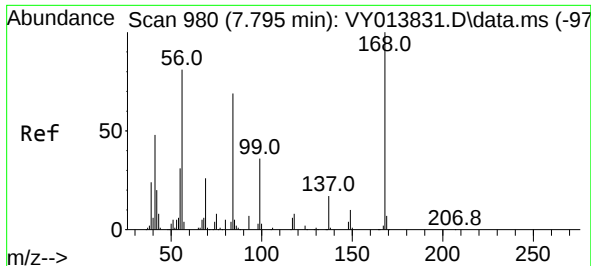
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP19

Quant Time: May 26 04:34:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 24 05:25:47 2023  
Response via : Initial Calibration

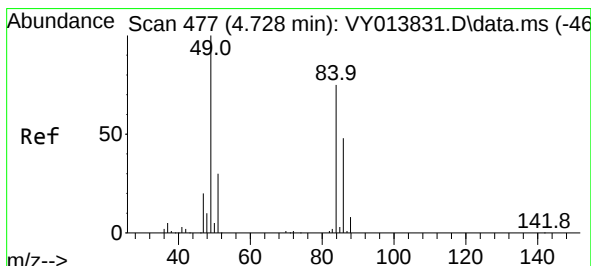
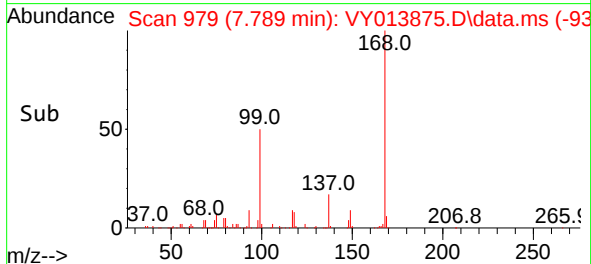
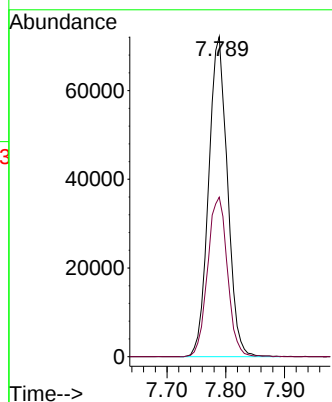
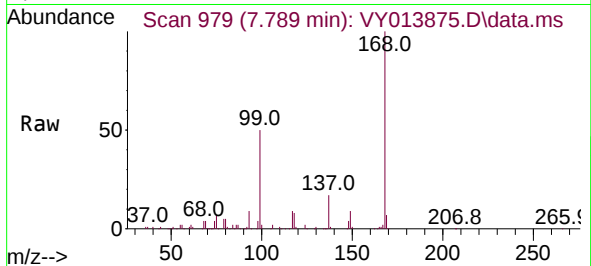




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

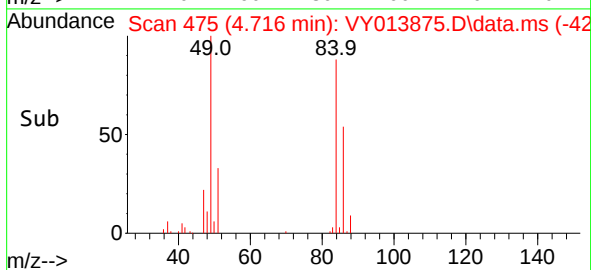
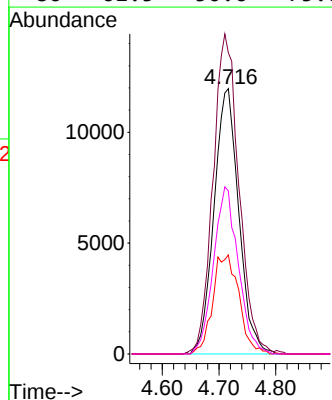
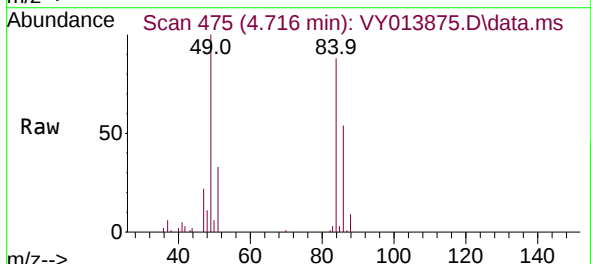
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP19

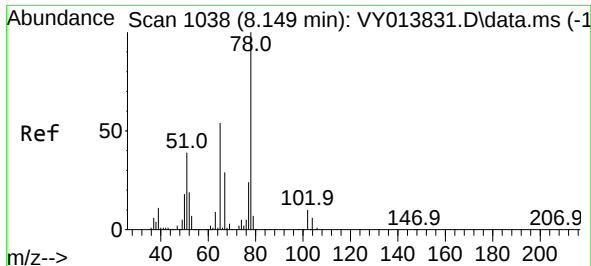
Tgt Ion:168 Resp: 160554  
Ion Ratio Lower Upper  
168 100  
99 49.8 43.4 65.2



#20  
Methylene Chloride  
Concen: 16.918 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. -0.012 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

Tgt Ion: 84 Resp: 36354  
Ion Ratio Lower Upper  
84 100  
49 113.5 106.2 159.2  
51 37.3 31.4 47.0  
86 61.5 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 58.195 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013875.D

Acq: 25 May 2023 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

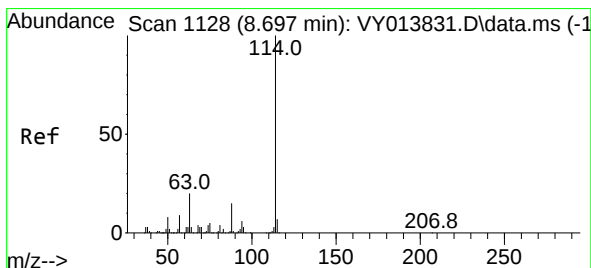
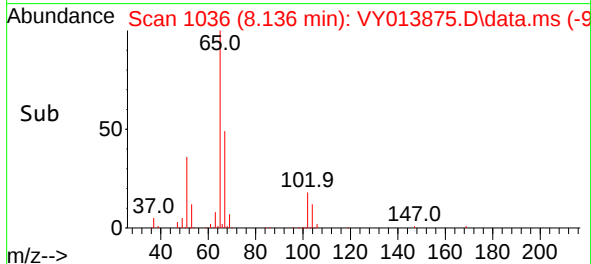
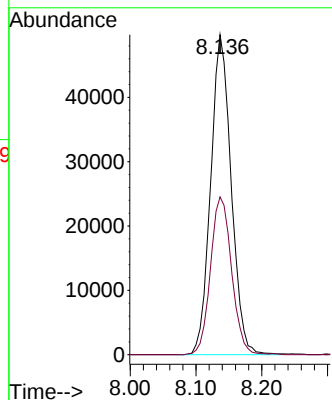
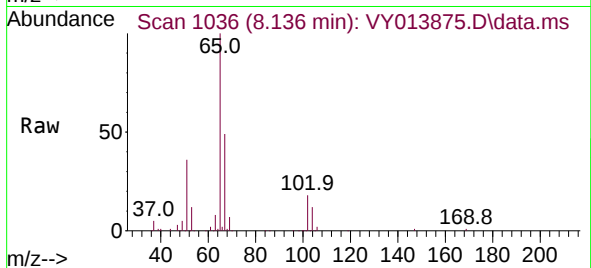
TP19

Tgt Ion: 65 Resp: 108095

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013875.D

Acq: 25 May 2023 16:00

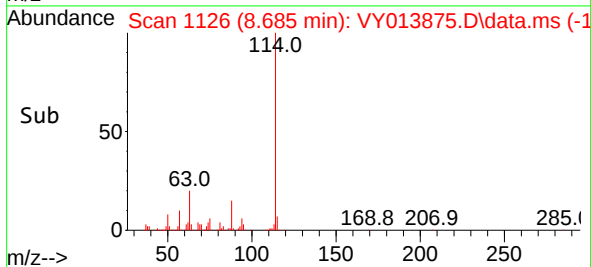
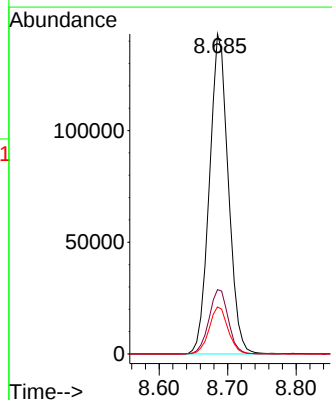
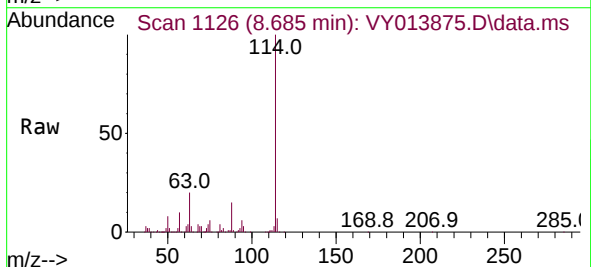
Tgt Ion:114 Resp: 274497

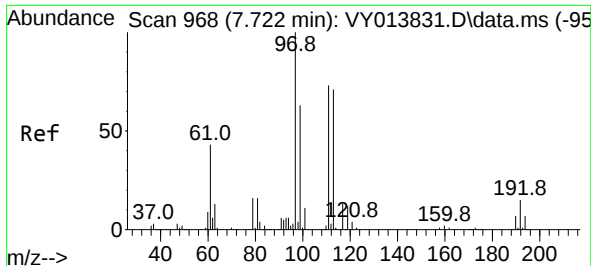
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.7 0.0 30.0

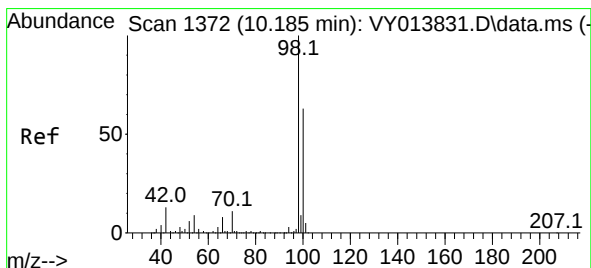
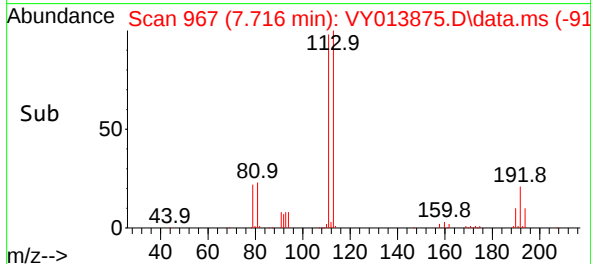
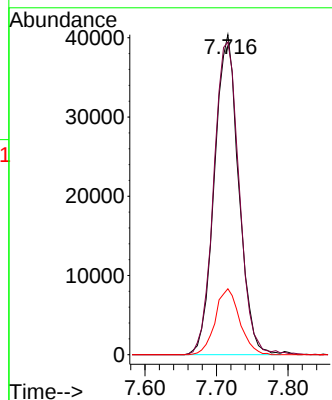
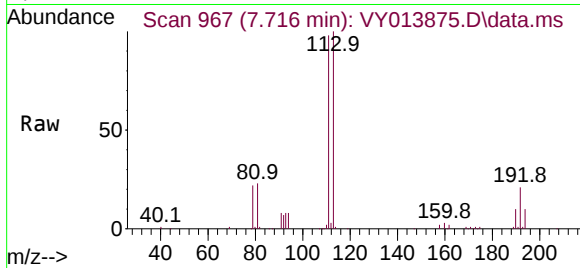




#35  
Dibromofluoromethane  
Concen: 53.656 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

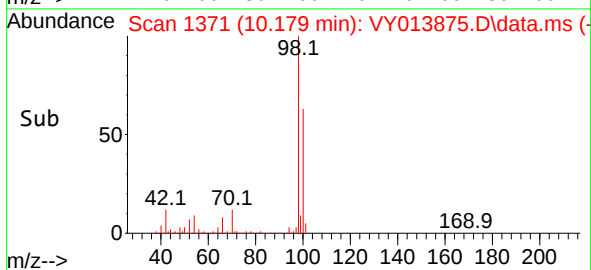
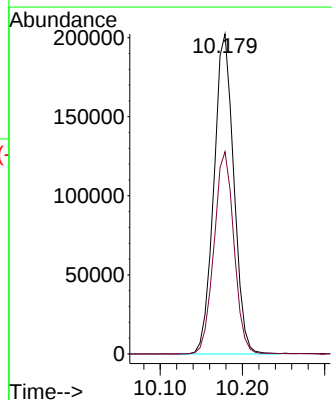
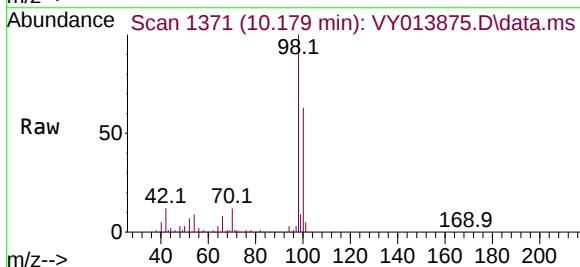
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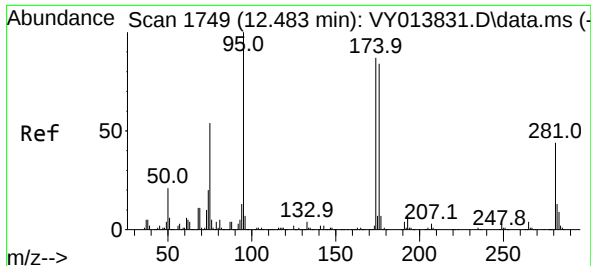
Tgt Ion:113 Resp: 95117  
Ion Ratio Lower Upper  
113 100  
111 102.5 80.4 120.6  
192 20.7 16.6 25.0



#50  
Toluene-d8  
Concen: 50.466 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

Tgt Ion: 98 Resp: 340013  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 51.889 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013875.D

Acq: 25 May 2023 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

TP19

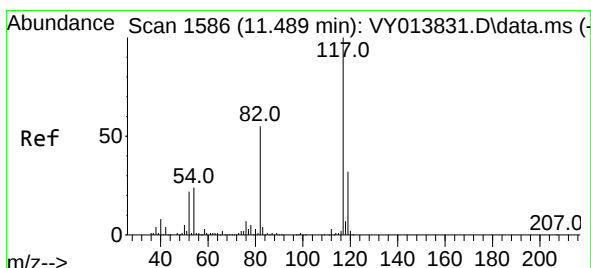
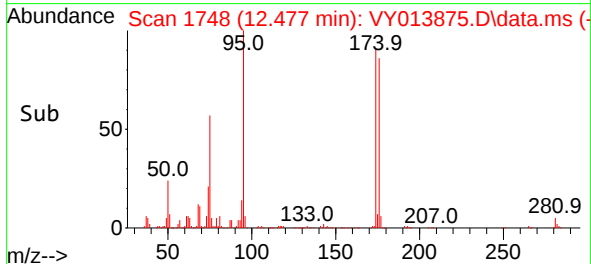
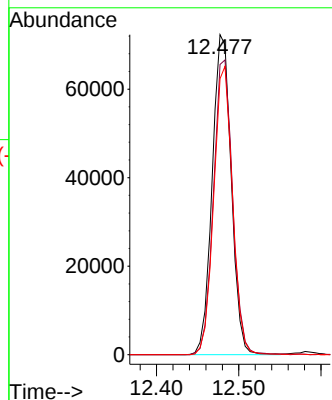
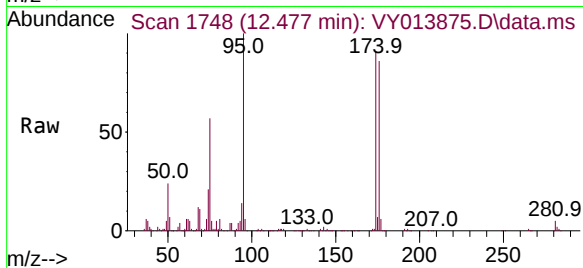
Tgt Ion: 95 Resp: 116209

Ion Ratio Lower Upper

95 100

174 92.3 0.0 176.0

176 89.0 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: VY013875.D

Acq: 25 May 2023 16:00

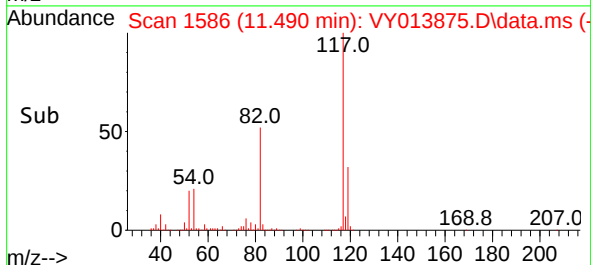
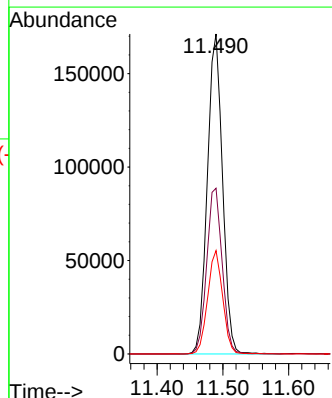
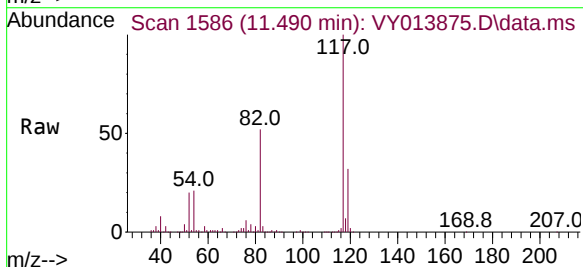
Tgt Ion: 117 Resp: 274693

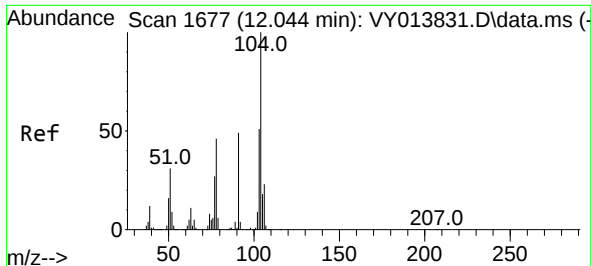
Ion Ratio Lower Upper

117 100

82 51.8 44.2 66.4

119 32.3 25.7 38.5

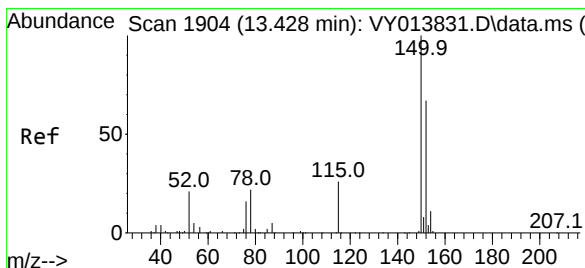
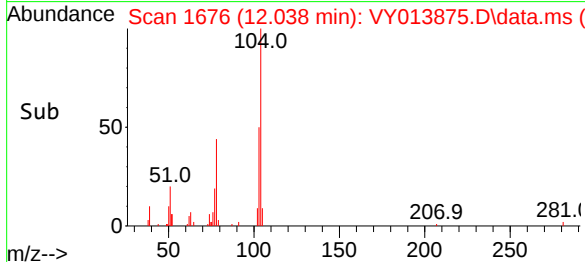
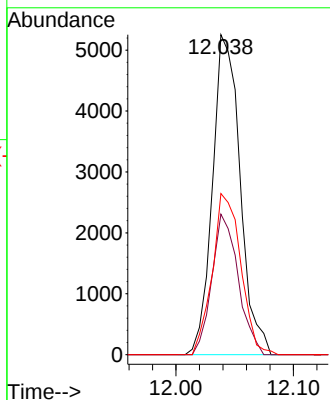
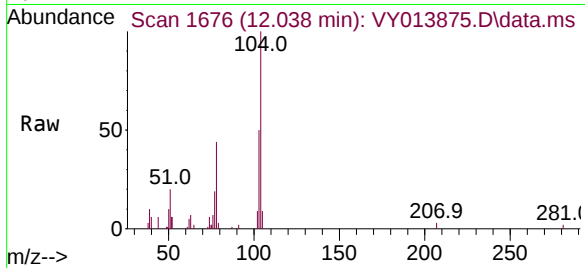




#70  
Styrene  
Concen: 1.372 ug/l  
RT: 12.038 min Scan# 104  
Delta R.T. -0.006 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP19

Tgt Ion:104 Resp: 8582  
Ion Ratio Lower Upper  
104 100  
78 41.8 40.8 61.2  
103 51.8 44.2 66.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY013875.D  
Acq: 25 May 2023 16:00

Tgt Ion:152 Resp: 127121  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.8 86.5  
150 157.1 0.0 353.4

