

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052623\  
 Data File : VY013897.D  
 Acq On : 26 May 2023 16:47  
 Operator : KP/MD  
 Sample : 02945-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB20

Quant Time: May 29 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

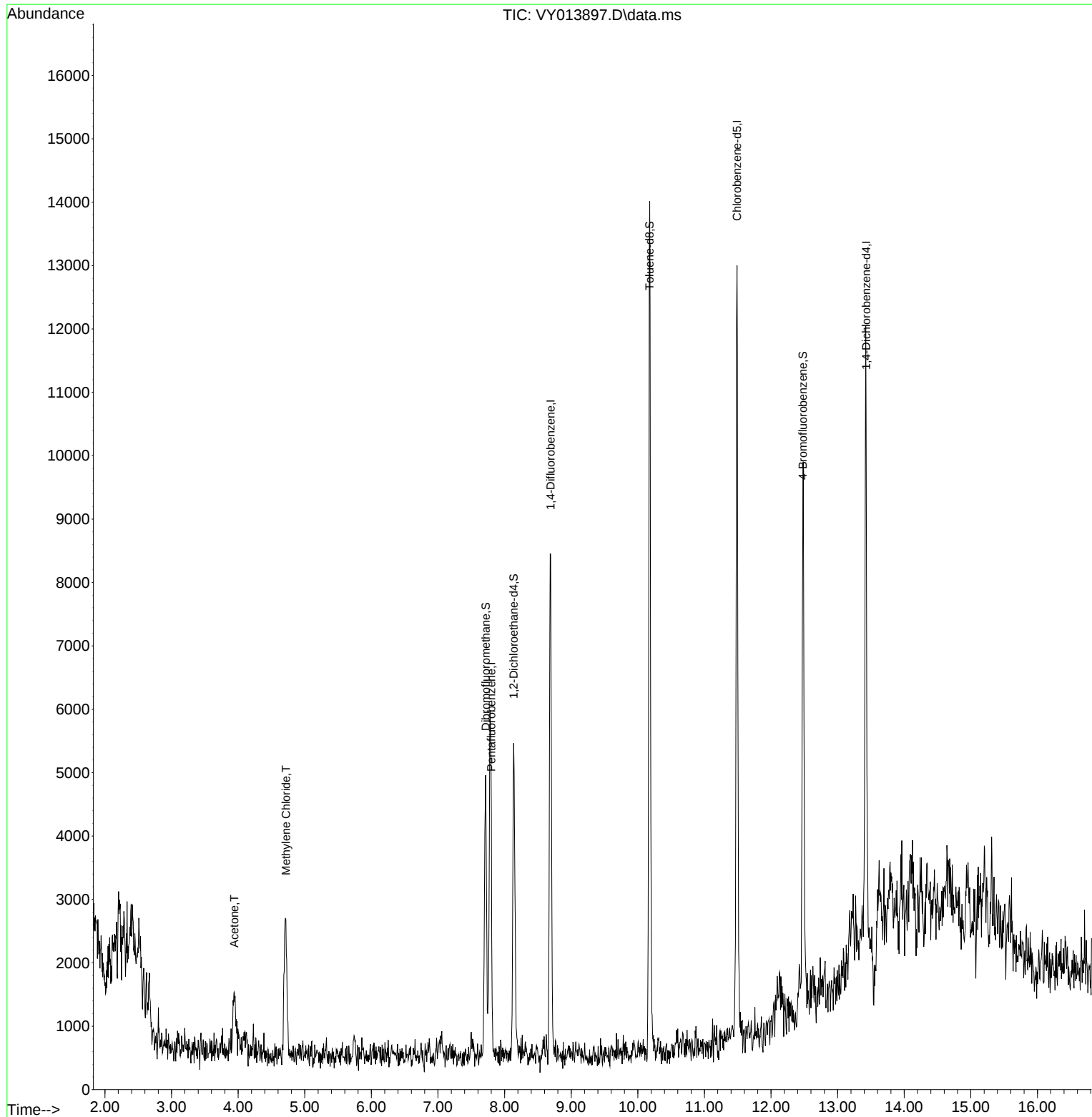
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.801     | 168   | 4717     | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.691     | 114   | 7279     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 7055     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152   | 2366     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 3983     | 72.987   | ug/l       | -0.01    |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 145.980% |          |
| 35) Dibromofluoromethane    | 7.716     | 113   | 3069     | 65.287   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 130.580% |          |
| 50) Toluene-d8              | 10.179    | 98    | 9478     | 53.050   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 106.100% |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 3030     | 51.021   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 102.040% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.942     | 43    | 2356     | 145.462  | ug/l       | 91       |
| 20) Methylene Chloride      | 4.716     | 84    | 1622     | 27.080   | ug/l #     | 68       |
| -----                       |           |       |          |          |            |          |

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

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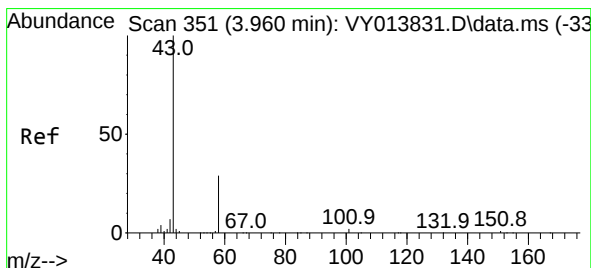
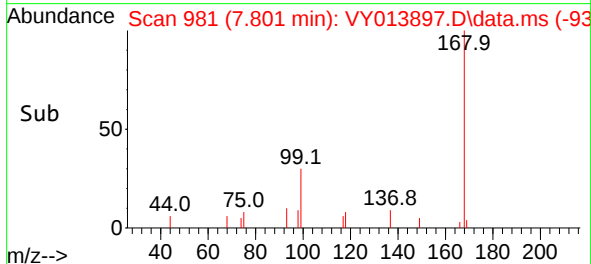
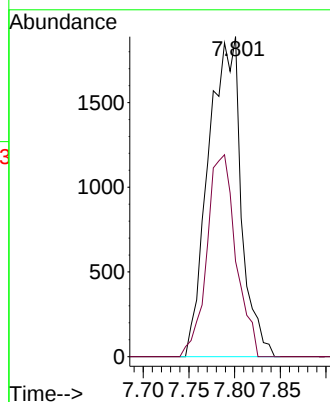
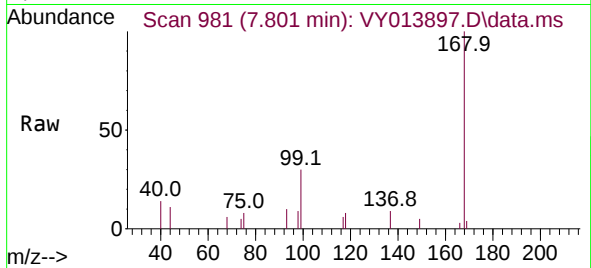




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

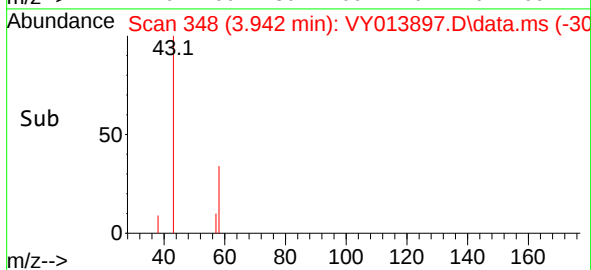
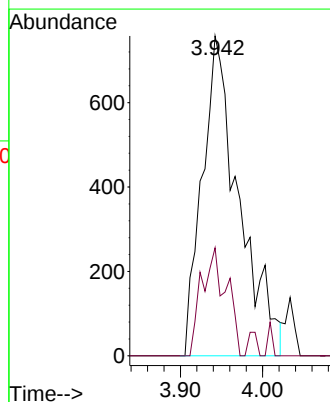
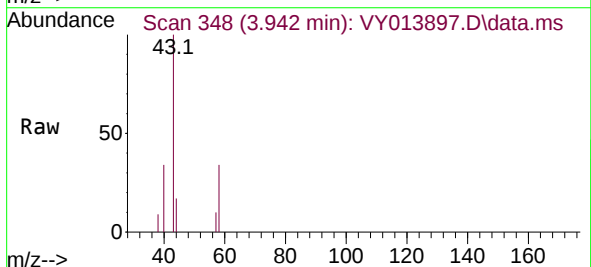
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

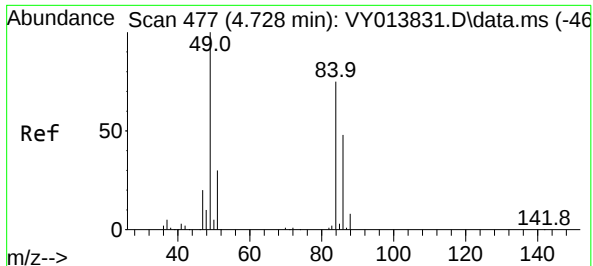
Tgt Ion:168 Resp: 4717  
Ion Ratio Lower Upper  
168 100  
99 29.8 43.4 65.2#



#16  
Acetone  
Concen: 145.462 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.018 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

Tgt Ion: 43 Resp: 2356  
Ion Ratio Lower Upper  
43 100  
58 33.8 23.3 34.9

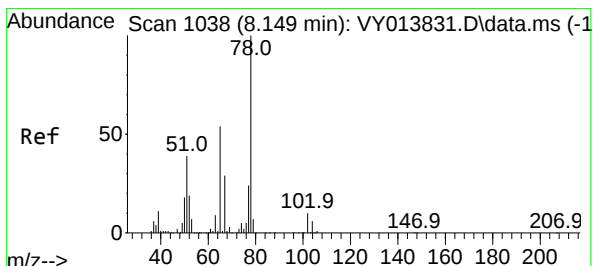
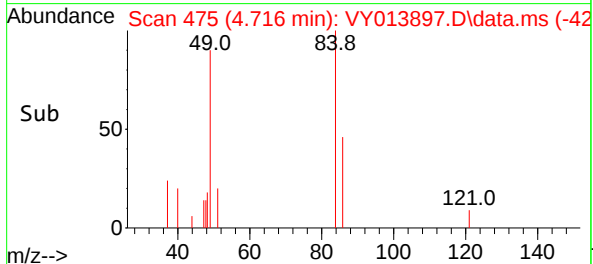
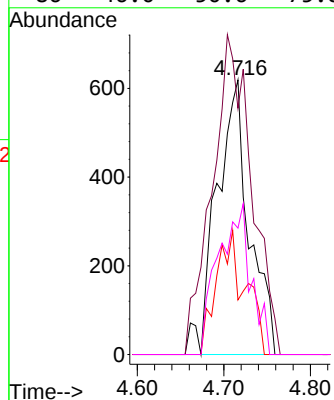
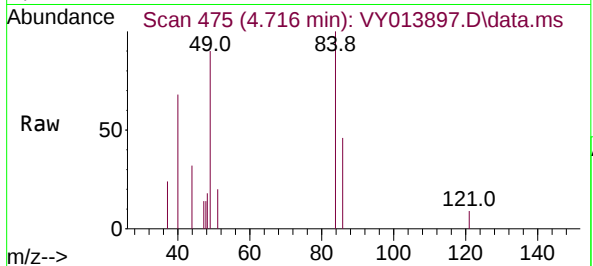




#20  
Methylene Chloride  
Concen: 27.080 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

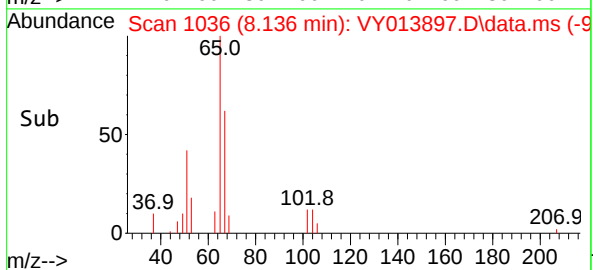
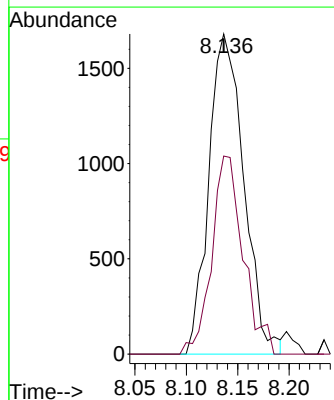
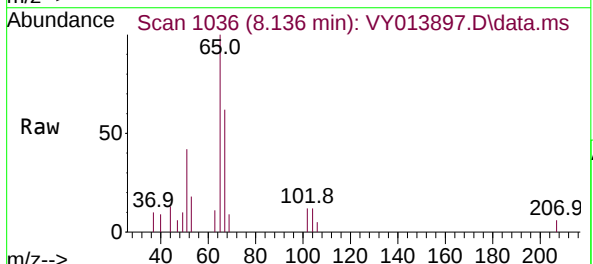
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

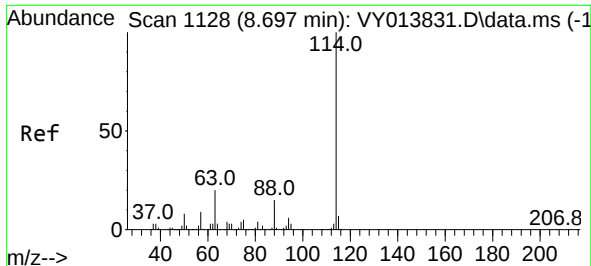
Tgt Ion: 84 Resp: 1622  
Ion Ratio Lower Upper  
84 100  
49 89.7 106.2 159.2#  
51 19.9 31.4 47.0#  
86 46.0 50.6 75.8#



#33  
1,2-Dichloroethane-d4  
Concen: 72.987 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.012 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

Tgt Ion: 65 Resp: 3983  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Instrument :

MSVOA\_Y

ClientSampleId :

SB20

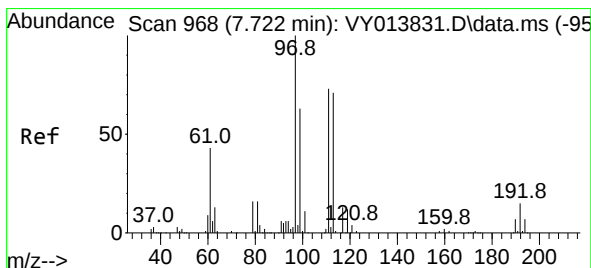
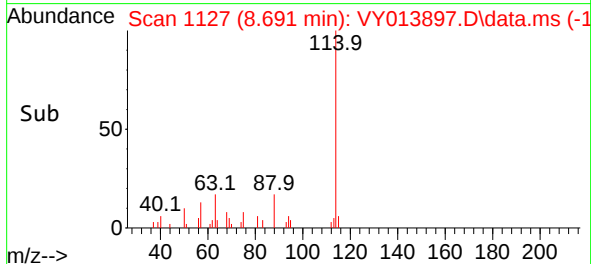
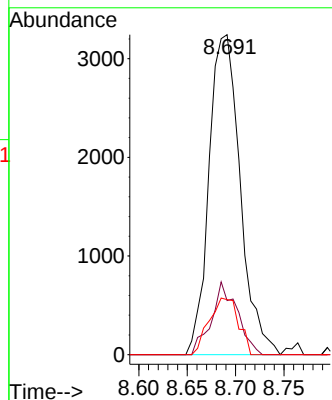
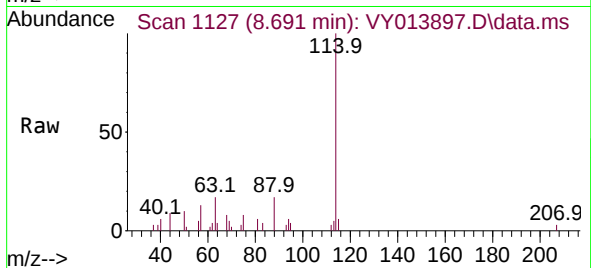
Tgt Ion:114 Resp: 7279

Ion Ratio Lower Upper

114 100

63 16.9 0.0 40.2

88 17.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 65.287 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

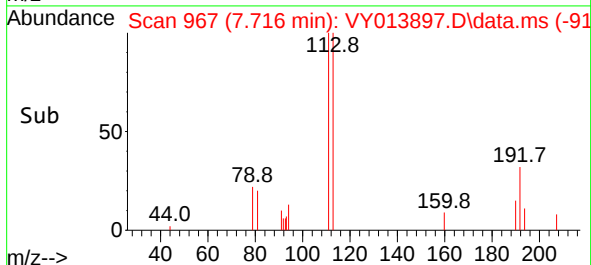
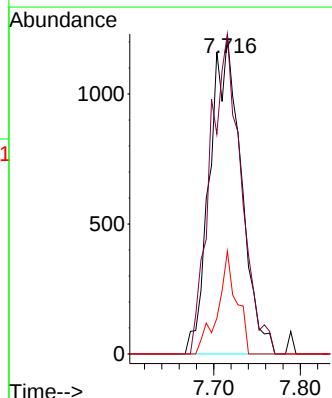
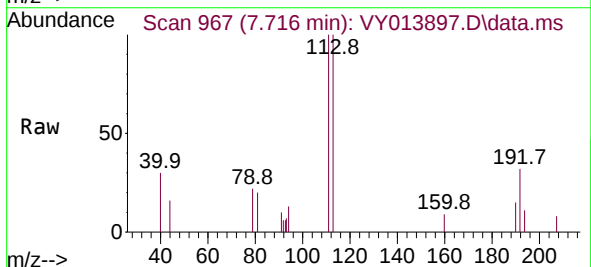
Tgt Ion:113 Resp: 3069

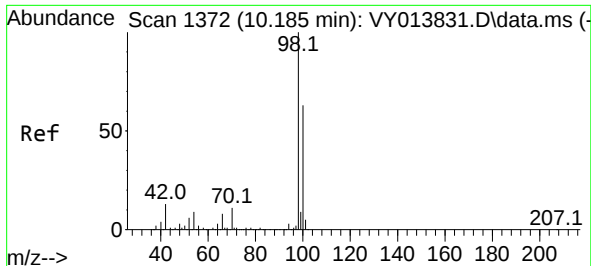
Ion Ratio Lower Upper

113 100

111 99.5 80.4 120.6

192 19.5 16.6 25.0

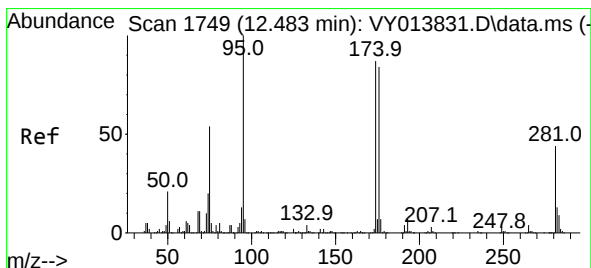
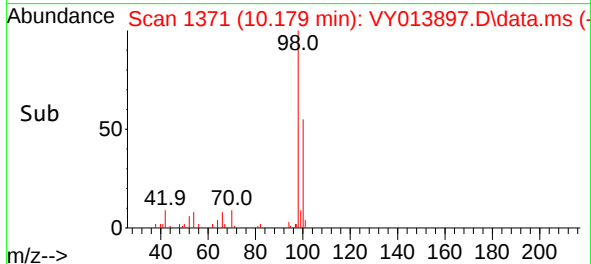
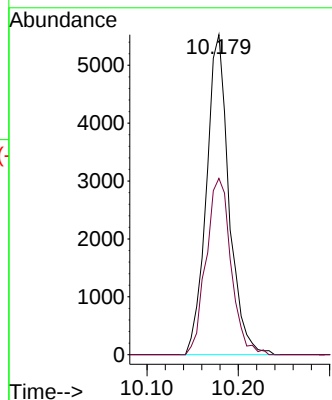
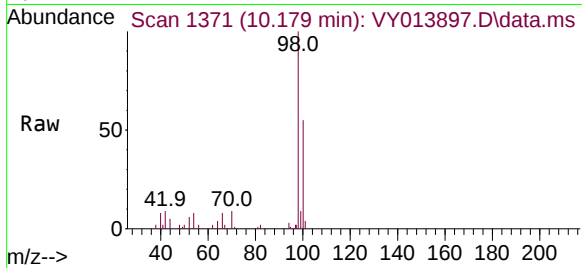




#50  
Toluene-d8  
Concen: 53.050 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

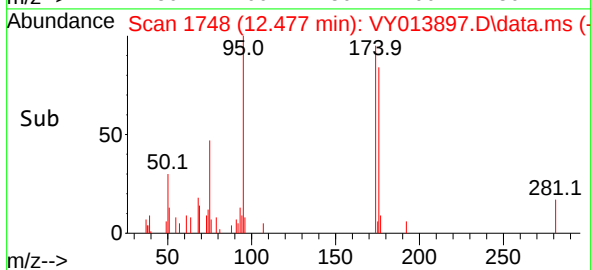
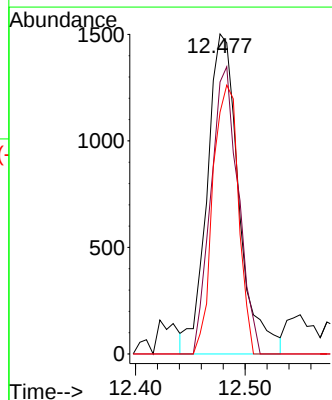
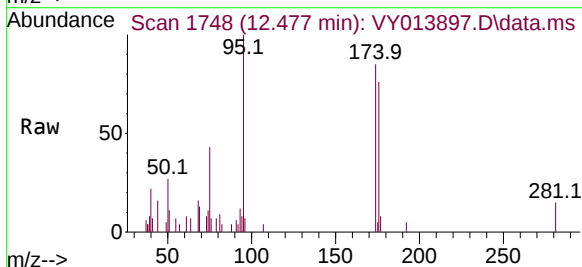
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB20

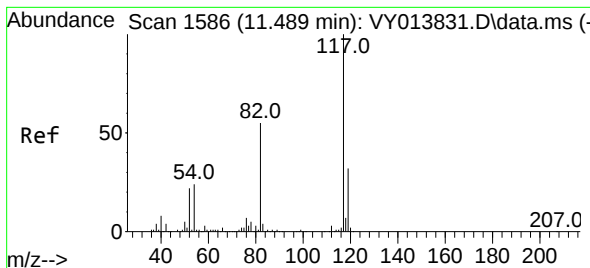
Tgt Ion: 98 Resp: 9478  
Ion Ratio Lower Upper  
98 100  
100 60.8 50.8 76.2



#62  
4-Bromofluorobenzene  
Concen: 51.021 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY013897.D  
Acq: 26 May 2023 16:47

Tgt Ion: 95 Resp: 3030  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 176.0  
176 67.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Instrument :

MSVOA\_Y

ClientSampleId :

SB20

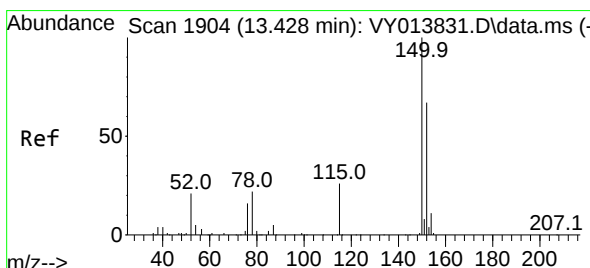
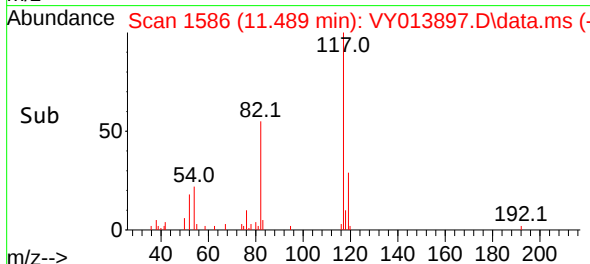
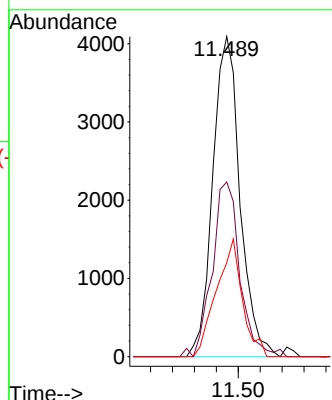
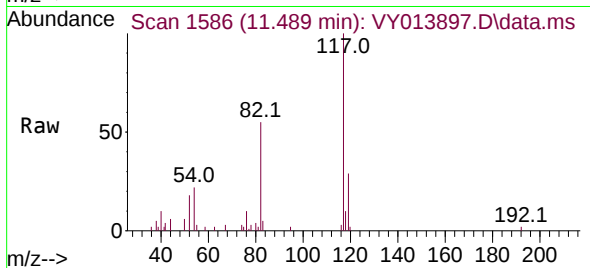
Tgt Ion:117 Resp: 7055

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.4

119 29.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013897.D

Acq: 26 May 2023 16:47

Tgt Ion:152 Resp: 2366

Ion Ratio Lower Upper

152 100

115 48.7 28.8 86.5

150 150.4 0.0 353.4

