

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050423\  
 Data File : VY013611.D  
 Acq On : 04 May 2023 19:33  
 Operator : KP/MD  
 Sample : 02588-06  
 Misc : 5.38g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ZONE-C-6-9-05012023

Quant Time: May 05 01:01:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

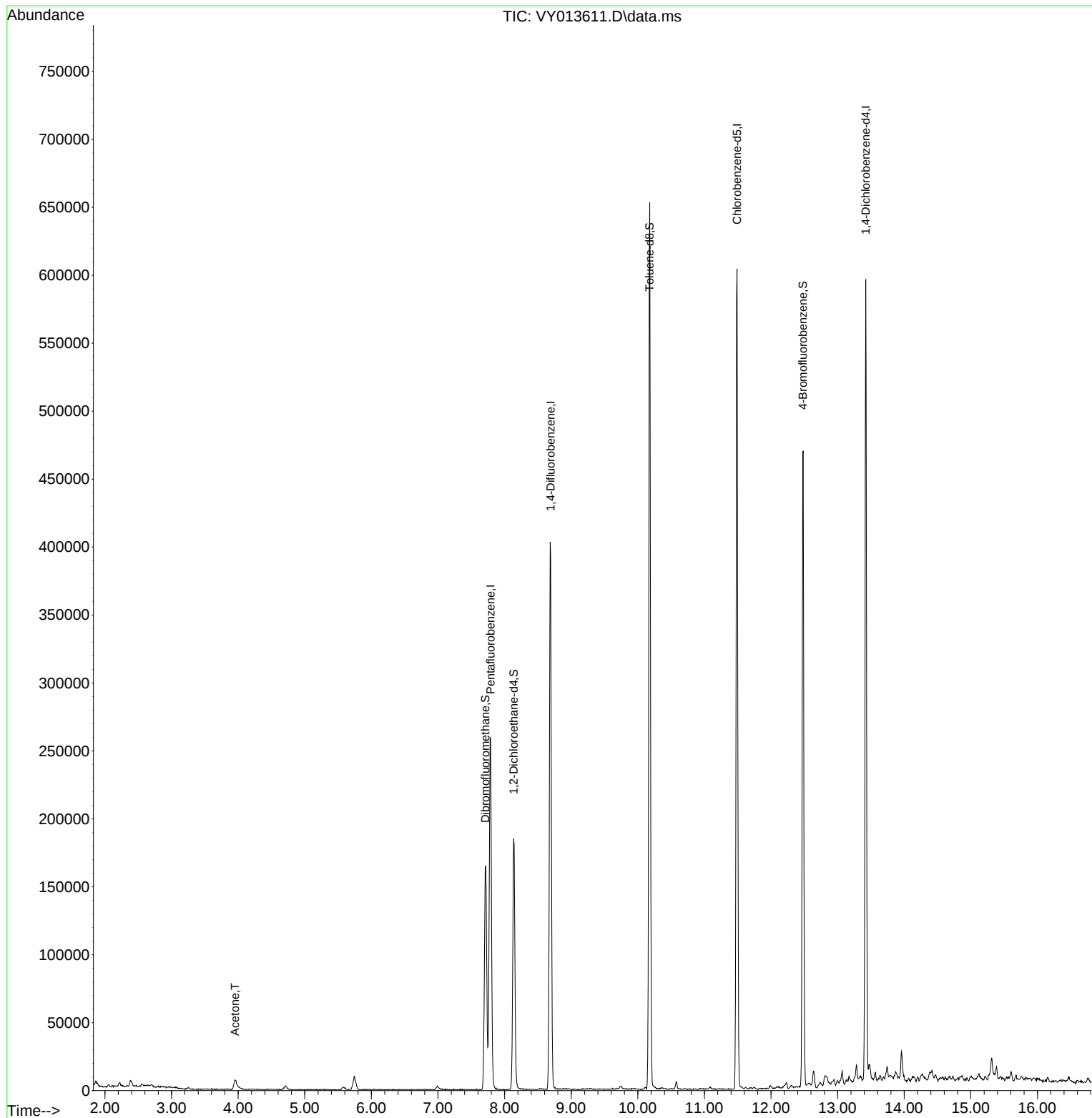
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 204708   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 338646   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 326719   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 145659   | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 150437   | 67.038   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 134.080% |          |
| 35) Dibromofluoromethane    | 7.710  | 113   | 117101   | 54.979   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.960% |          |
| 50) Toluene-d8              | 10.179 | 98    | 421167   | 55.585   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 111.160% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 131940   | 51.652   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 103.300% |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.954  | 43    | 16150    | 18.275   | ug/l       | 95       |
| -----                       |        |       |          |          |            |          |

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

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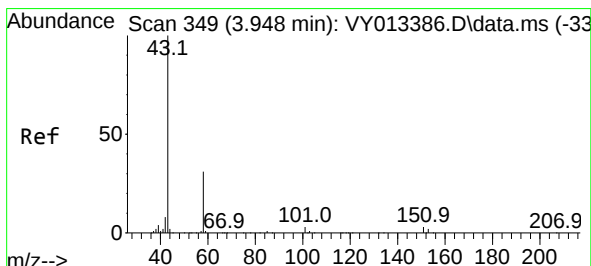
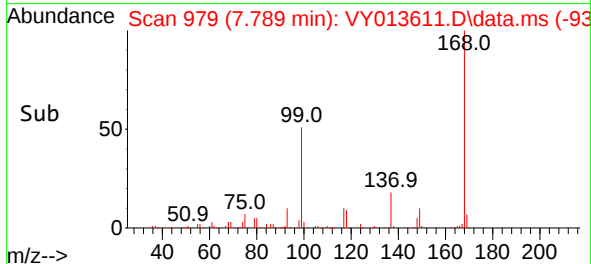
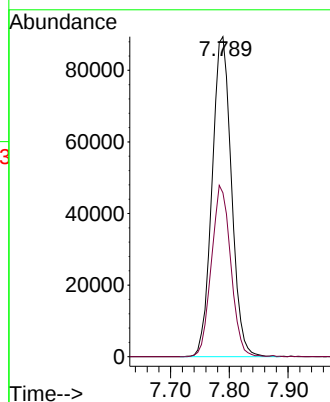
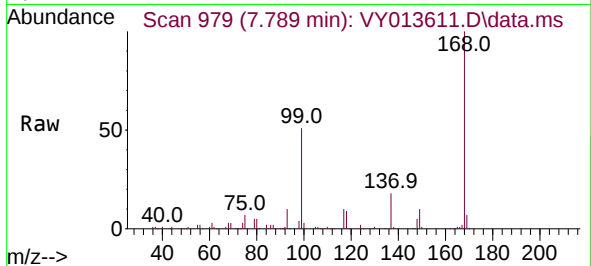




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

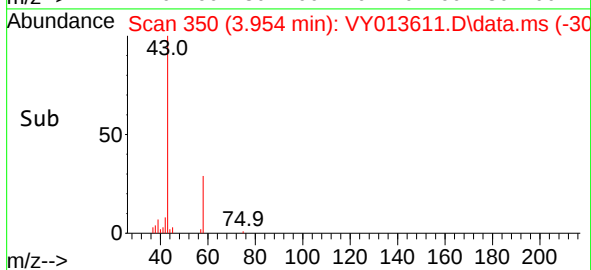
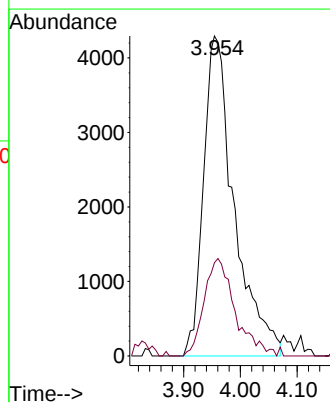
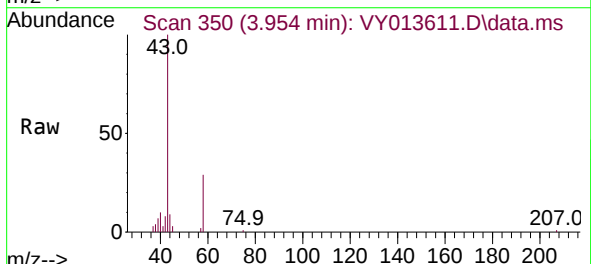
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ZONE-C-6-9-05012023

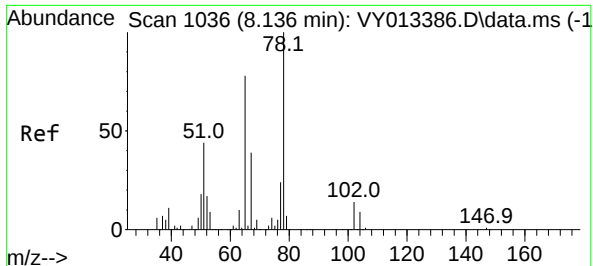
Tgt Ion:168 Resp: 204708  
Ion Ratio Lower Upper  
168 100  
99 51.2 41.8 62.6



#16  
Acetone  
Concen: 18.275 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

Tgt Ion: 43 Resp: 16150  
Ion Ratio Lower Upper  
43 100  
58 29.1 25.4 38.0





#33

1,2-Dichloroethane-d4

Concen: 67.038 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

Instrument :

MSVOA\_Y

ClientSampleId :

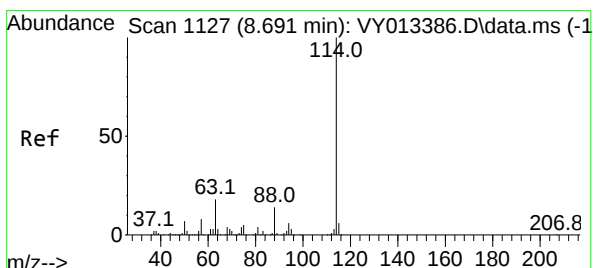
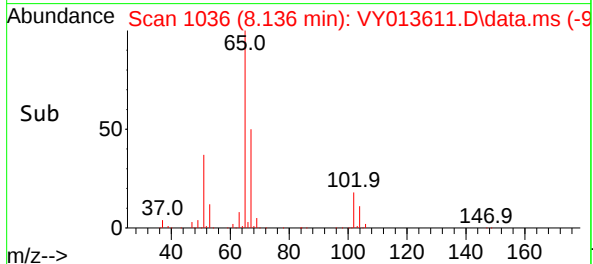
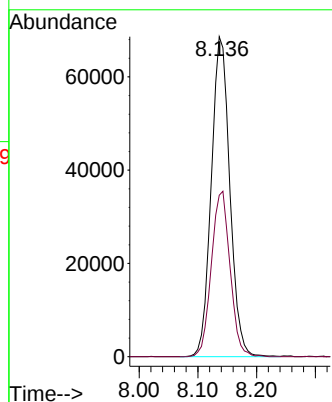
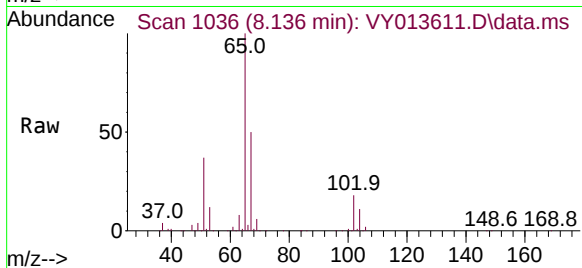
ZONE-C-6-9-05012023

Tgt Ion: 65 Resp: 150437

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

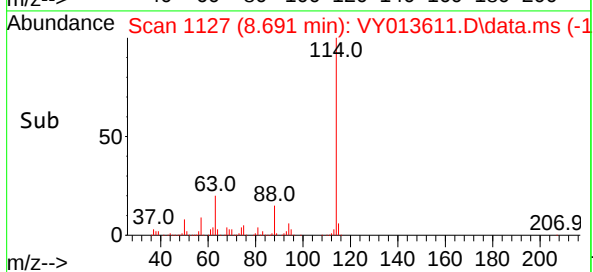
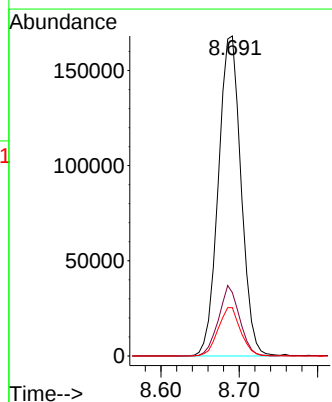
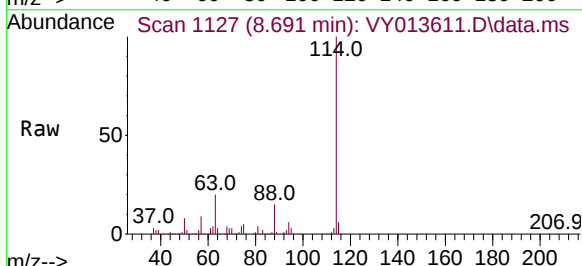
Tgt Ion: 114 Resp: 338646

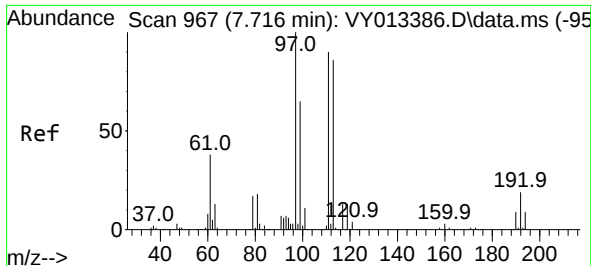
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 15.1 0.0 28.8

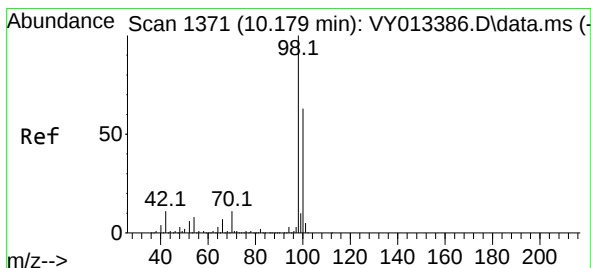
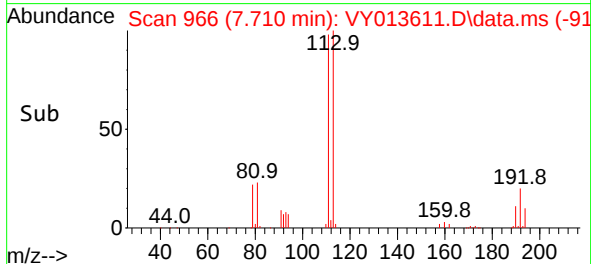
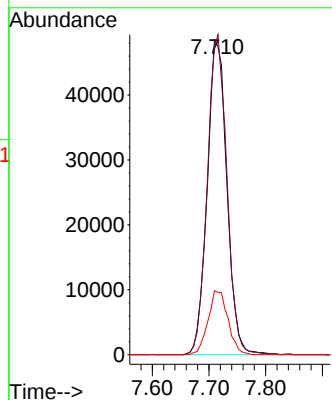
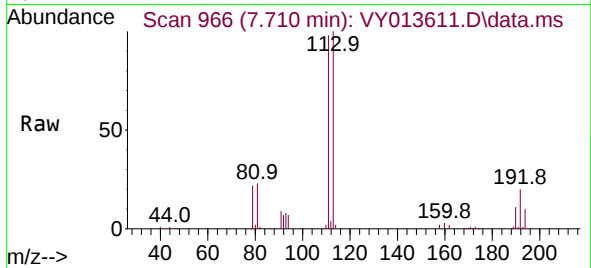




#35  
Dibromofluoromethane  
Concen: 54.979 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

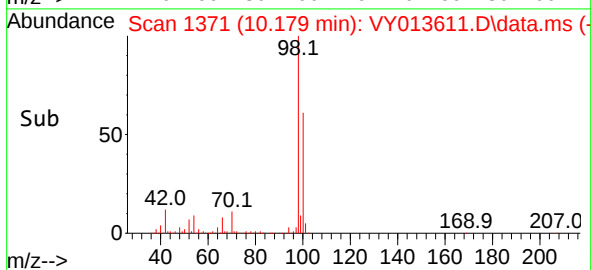
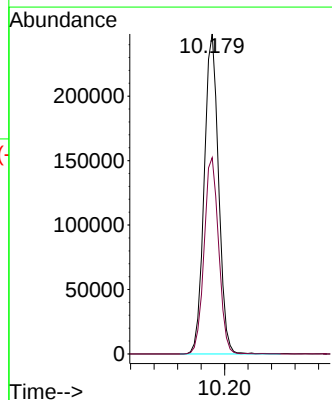
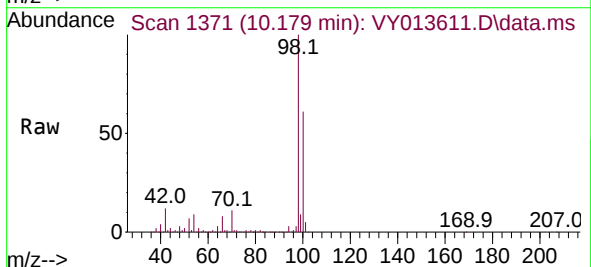
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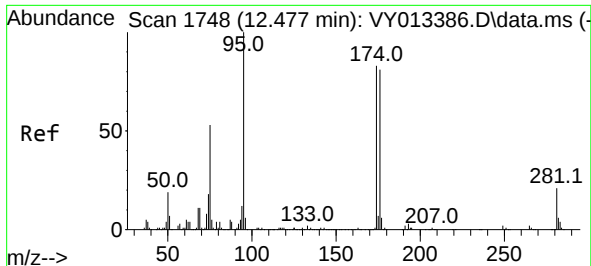
Tgt Ion:113 Resp: 117101  
Ion Ratio Lower Upper  
113 100  
111 100.9 82.2 123.2  
192 20.5 16.7 25.1



#50  
Toluene-d8  
Concen: 55.585 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

Tgt Ion: 98 Resp: 421167  
Ion Ratio Lower Upper  
98 100  
100 62.2 50.5 75.7

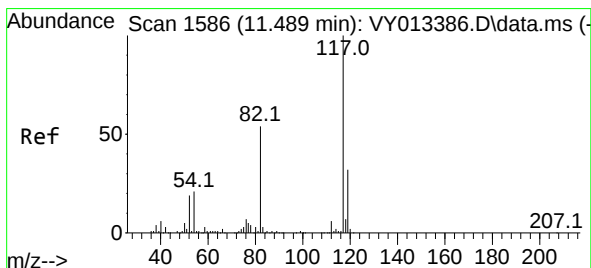
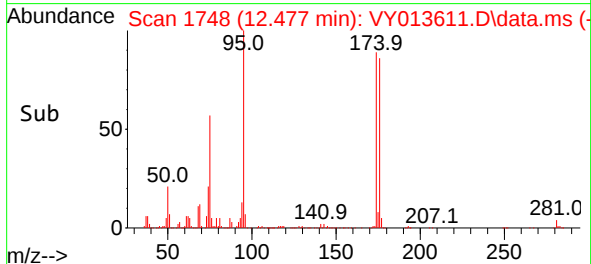
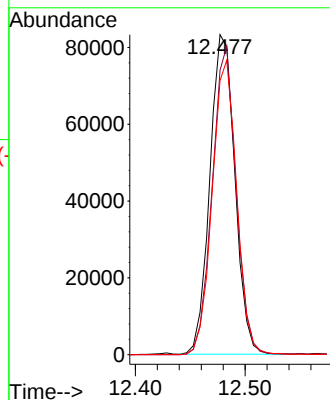
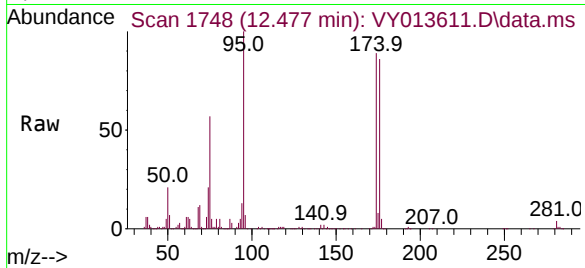




#62  
4-Bromofluorobenzene  
Concen: 51.652 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

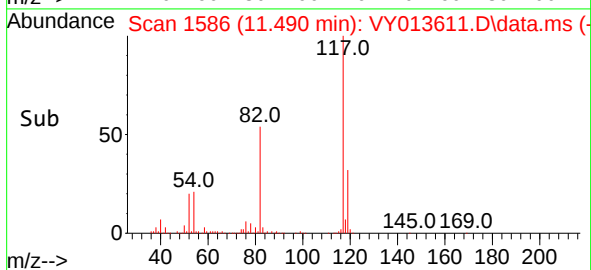
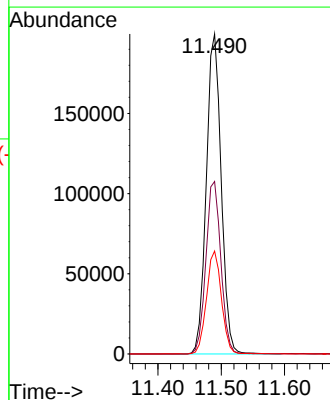
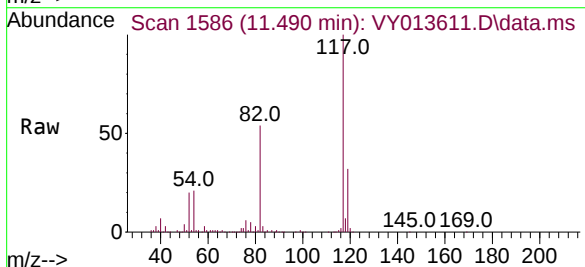
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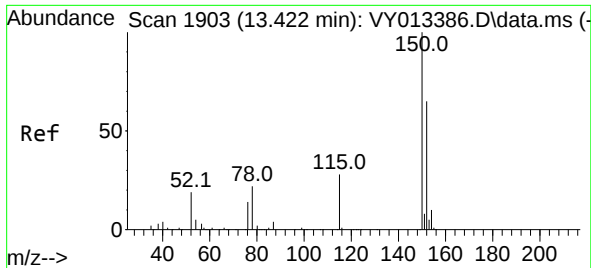
Tgt Ion: 95 Resp: 131940  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 182.0  
176 90.3 0.0 175.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013611.D  
Acq: 04 May 2023 19:33

Tgt Ion: 117 Resp: 326719  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.6  
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013611.D

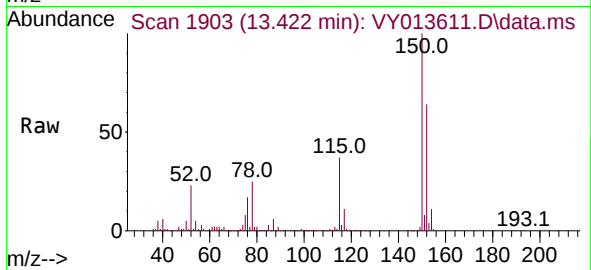
Acq: 04 May 2023 19:33

Instrument :

MSVOA\_Y

ClientSampleId :

ZONE-C-6-9-05012023



Tgt Ion:152 Resp: 145659

Ion Ratio Lower Upper

152 100

115 57.5 28.1 84.2

150 158.4 0.0 352.0

