

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051523\  
 Data File : VY013738.D  
 Acq On : 15 May 2023 15:40  
 Operator : KP/MD  
 Sample : 02746-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CB-14-G1-64.5-051023

Quant Time: May 16 01:32:21 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

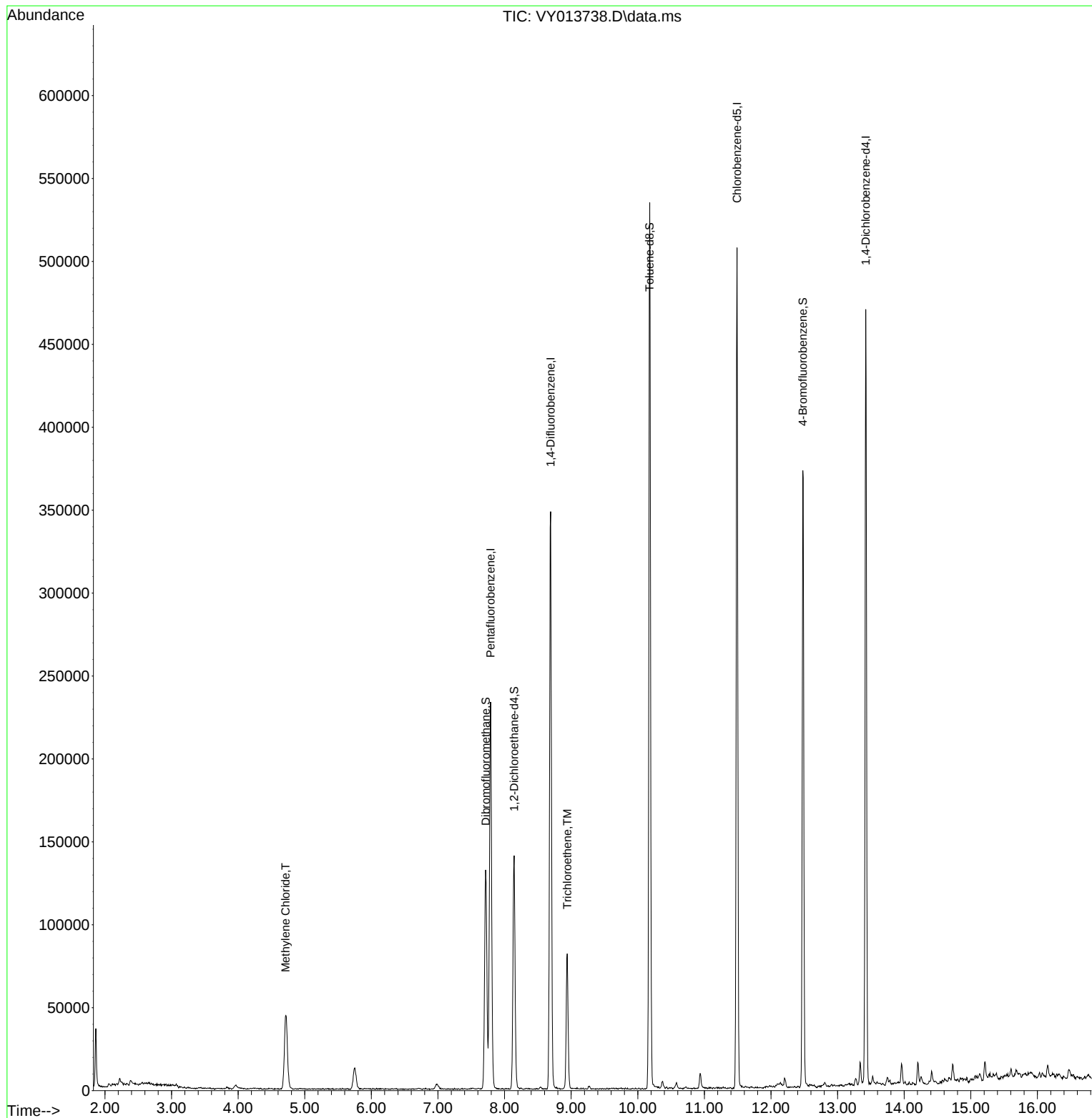
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 175563   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 285525   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 261539   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 116150   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 109419   | 56.854   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 113.700% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 93472    | 52.050   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.100% |          |
| 50) Toluene-d8              | 10.179 | 98    | 345952   | 54.153   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.300% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 108835   | 50.534   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 101.060% |          |
| Target Compounds            |        |       |          |          |            |          |
| 20) Methylene Chloride      | 4.710  | 84    | 32605    | 6.732    | ug/l #     | 84       |
| 44) Trichloroethene         | 8.941  | 130   | 28277    | 12.662   | ug/l       | 88       |
| -----                       |        |       |          |          |            |          |

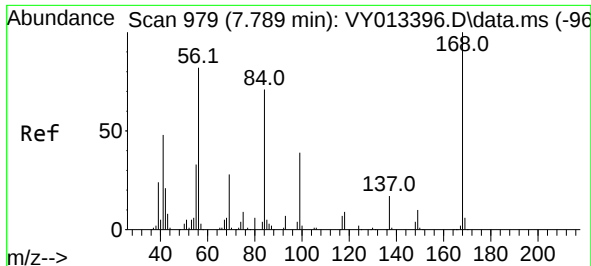
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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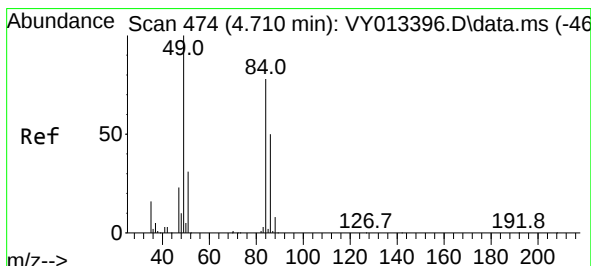
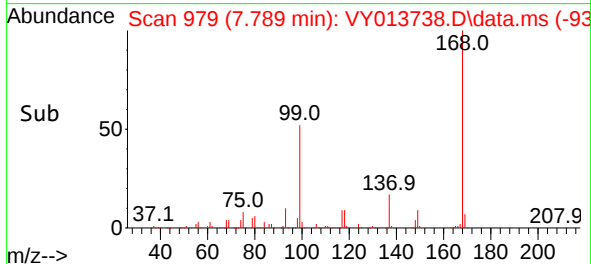
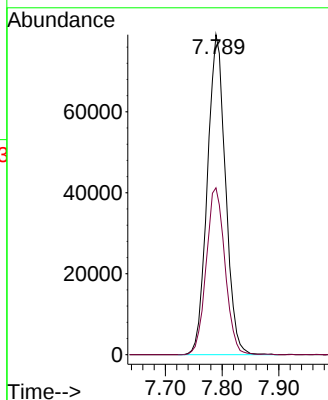
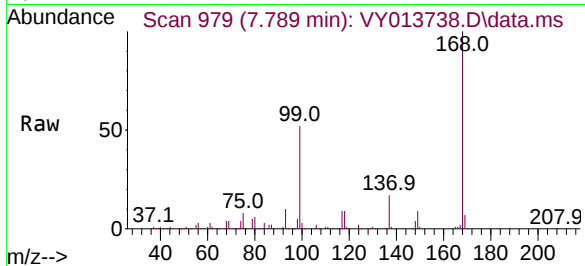




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY013738.D  
Acq: 15 May 2023 15:40

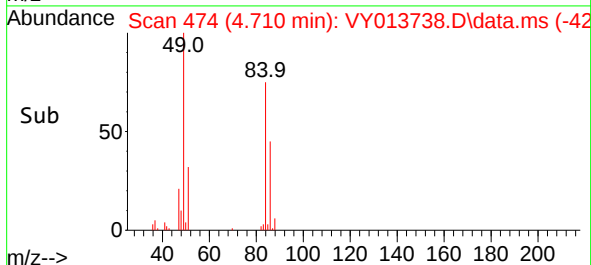
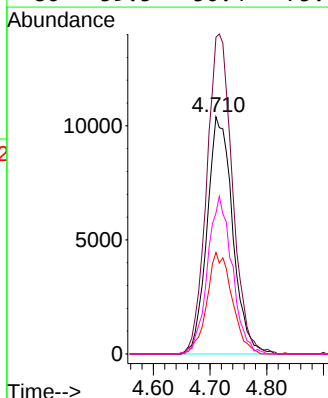
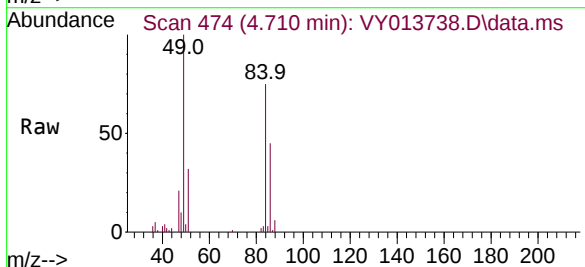
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CB-14-G1-64.5-051023

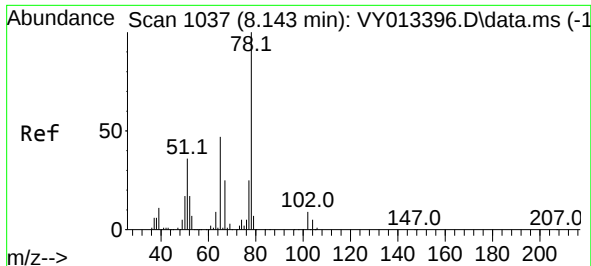
Tgt Ion:168 Resp: 175563  
Ion Ratio Lower Upper  
168 100  
99 52.2 41.8 62.6



#20  
Methylene Chloride  
Concen: 6.732 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY013738.D  
Acq: 15 May 2023 15:40

Tgt Ion: 84 Resp: 32605  
Ion Ratio Lower Upper  
84 100  
49 133.5 88.0 132.0#  
51 42.8 27.4 41.0#  
86 59.5 50.4 75.6

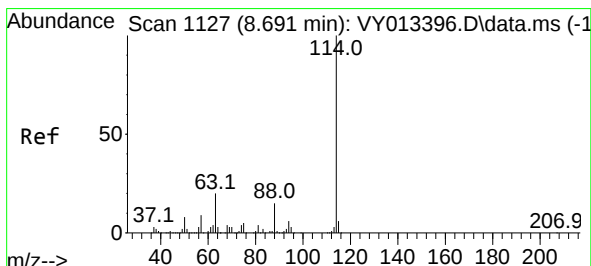
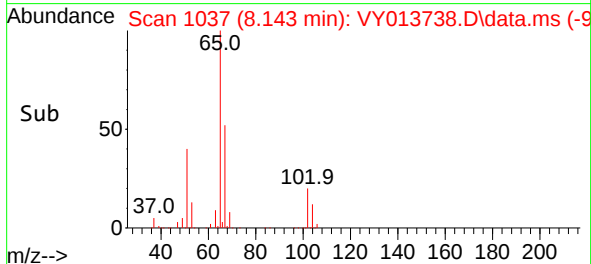
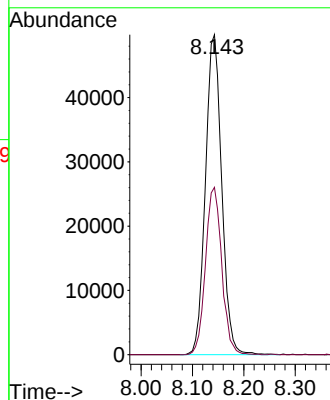
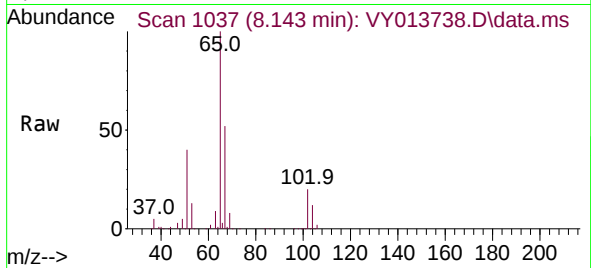




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.854 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.007 min  
 Lab File: VY013738.D  
 Acq: 15 May 2023 15:40

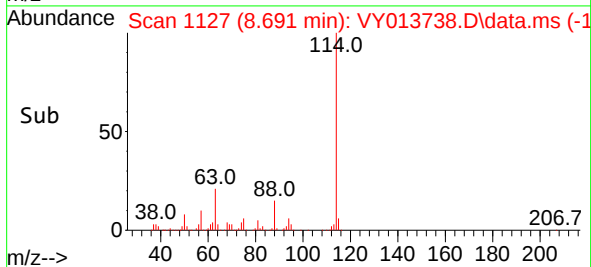
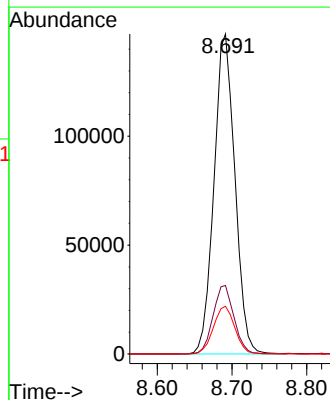
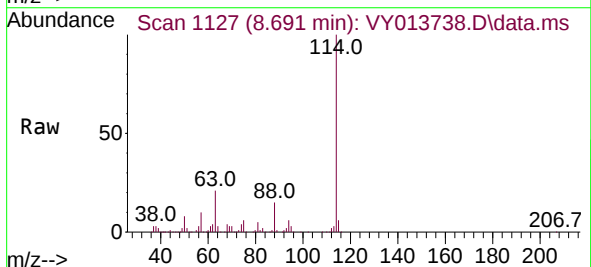
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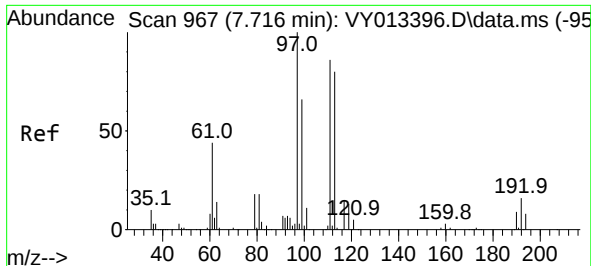
Tgt Ion: 65 Resp: 109419  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 103.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY013738.D  
 Acq: 15 May 2023 15:40

Tgt Ion: 114 Resp: 285525  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 36.6  
 88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 52.050 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013738.D

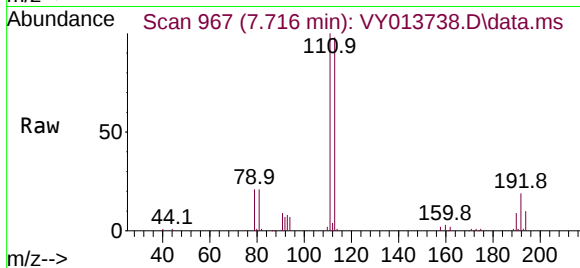
Acq: 15 May 2023 15:40

Instrument :

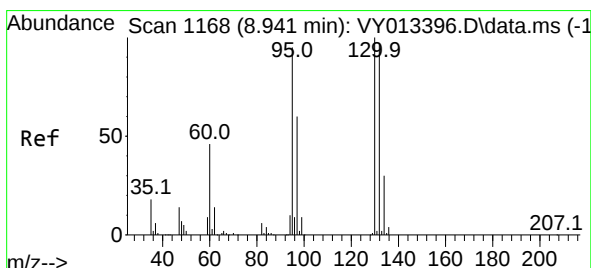
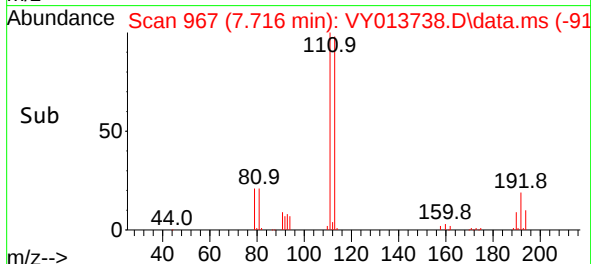
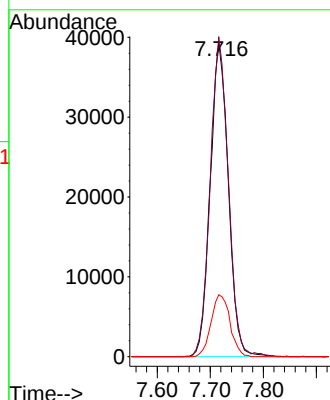
MSVOA\_Y

ClientSampleId :

CB-14-G1-64.5-051023



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 93472       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 102.2 | 82.2 123.2  |
| 192         | 20.6  | 16.7 25.1   |



#44

Trichloroethene

Concen: 12.662 ug/l

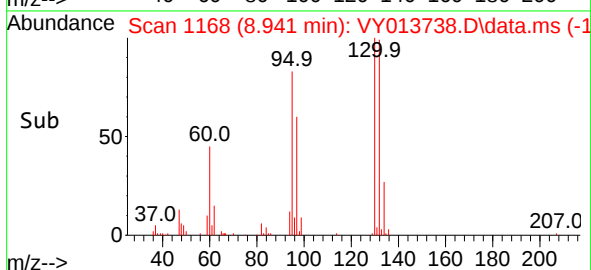
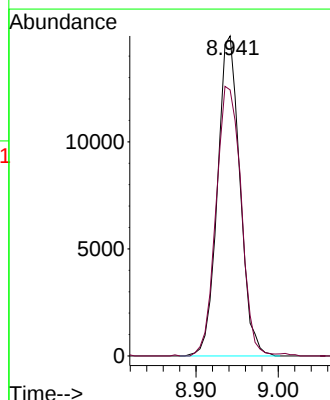
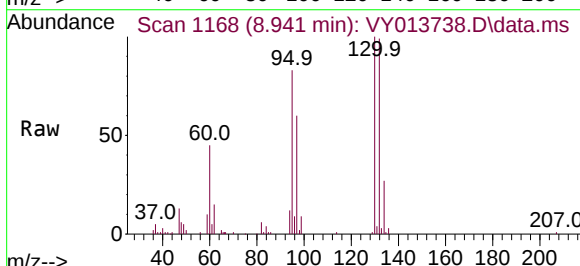
RT: 8.941 min Scan# 1168

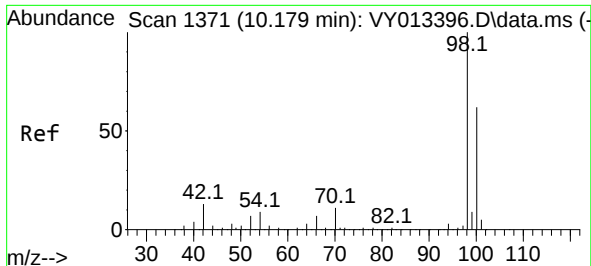
Delta R.T. 0.006 min

Lab File: VY013738.D

Acq: 15 May 2023 15:40

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:130 | Resp: | 28277       |
| Ion         | Ratio | Lower Upper |
| 130         | 100   |             |
| 95          | 83.1  | 0.0 188.8   |

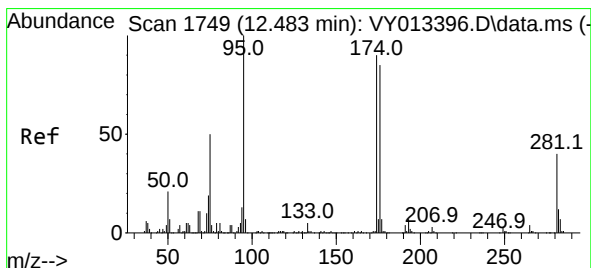
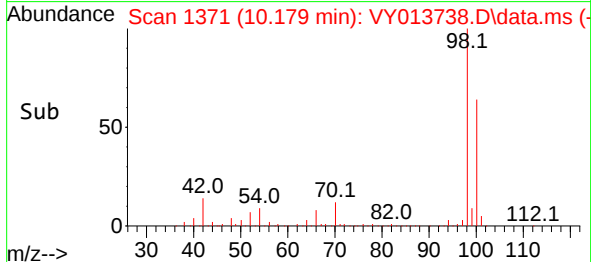
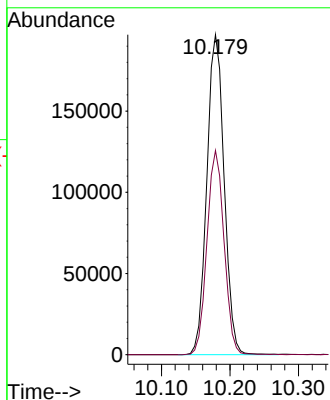
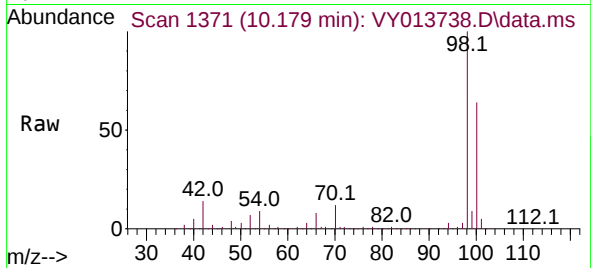




#50  
Toluene-d8  
Concen: 54.153 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013738.D  
Acq: 15 May 2023 15:40

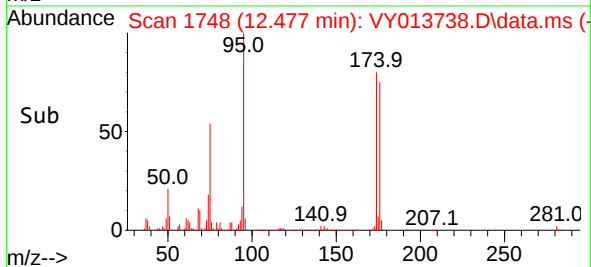
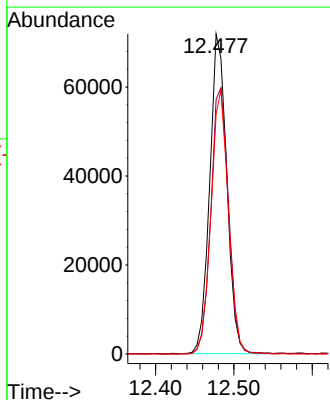
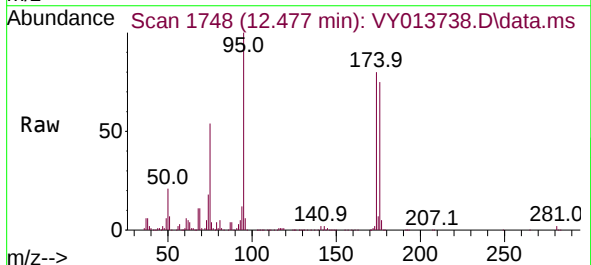
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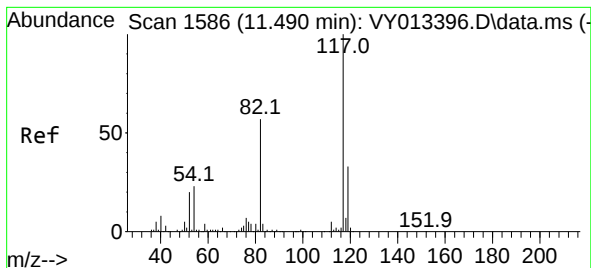
Tgt Ion: 98 Resp: 345952  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 50.534 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013738.D  
Acq: 15 May 2023 15:40

Tgt Ion: 95 Resp: 108835  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 182.0  
176 84.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013738.D

Acq: 15 May 2023 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

CB-14-G1-64.5-051023

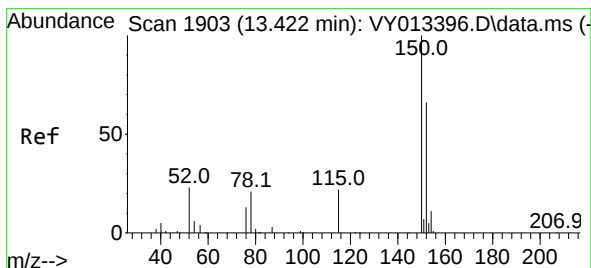
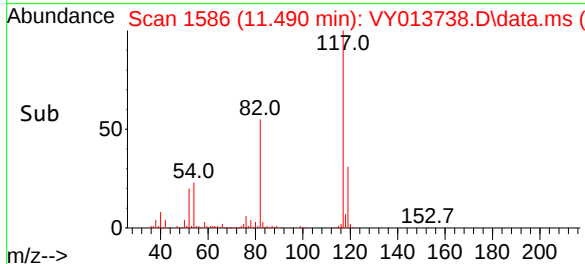
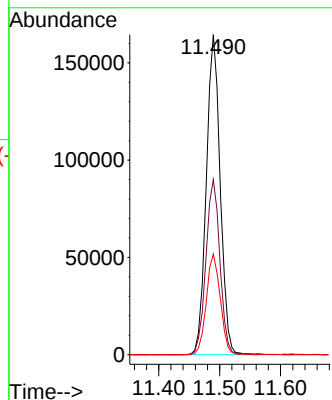
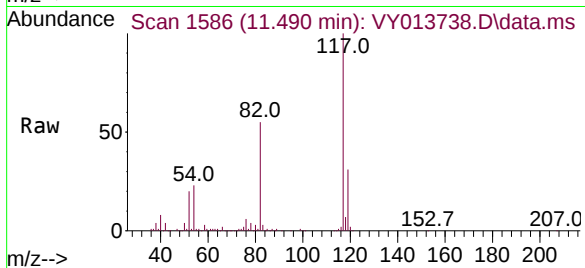
Tgt Ion:117 Resp: 261539

Ion Ratio Lower Upper

117 100

82 54.7 43.0 64.6

119 31.4 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: VY013738.D

Acq: 15 May 2023 15:40

Tgt Ion:152 Resp: 116150

Ion Ratio Lower Upper

152 100

115 58.6 28.1 84.2

150 155.9 0.0 352.0

