

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042924\  
 Data File : VY018077.D  
 Acq On : 29 Apr 2024 18:42  
 Operator : SY/MD  
 Sample : P2294-03  
 Misc : 6.13g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FOOT-PRINT-A-3

Quant Time: Apr 30 01:03:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

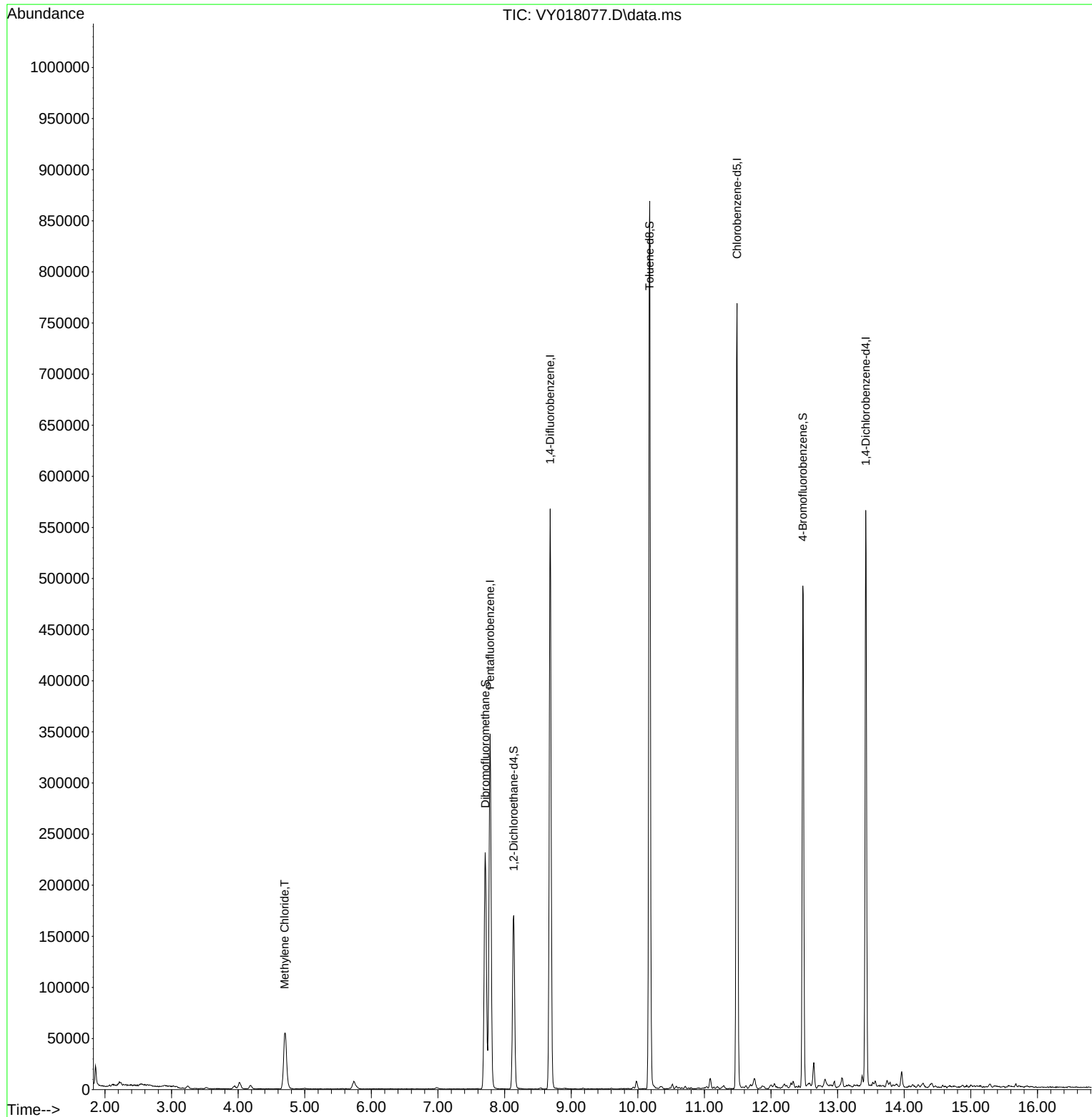
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783     | 168   | 291113   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 523559   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 463873   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 162811   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 127793   | 50.727   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 101.460% |          |
| 35) Dibromofluoromethane    | 7.710     | 113   | 170052   | 52.647   | ug/l       | -0.01    |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 105.300% |          |
| 50) Toluene-d8              | 10.179    | 98    | 604925   | 49.356   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 98.720%  |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 152209   | 40.099   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 80.200%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.698     | 84    | 48930    | 14.509   | ug/l       | 94       |
| -----                       |           |       |          |          |            |          |

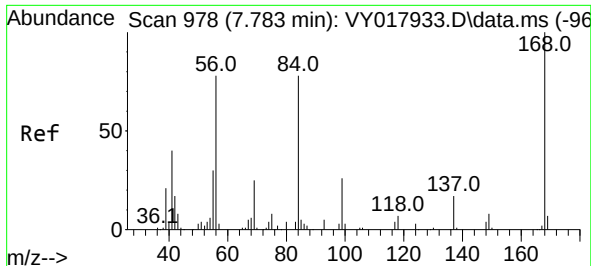
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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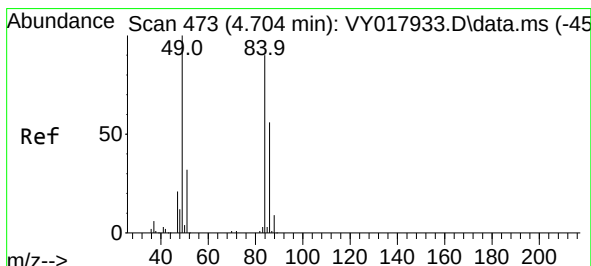
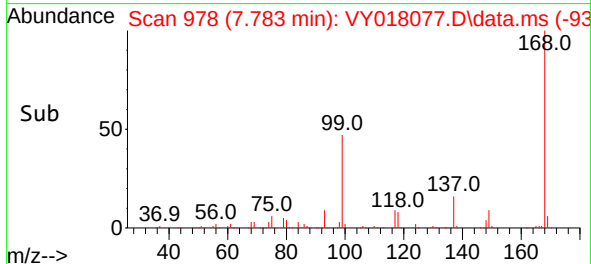
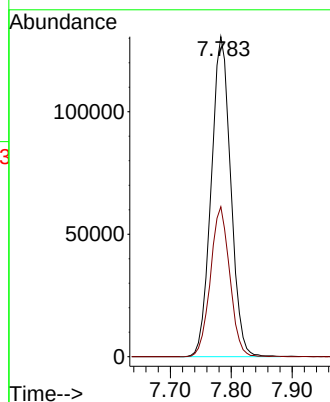
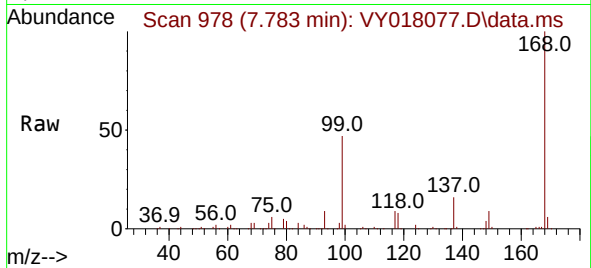




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

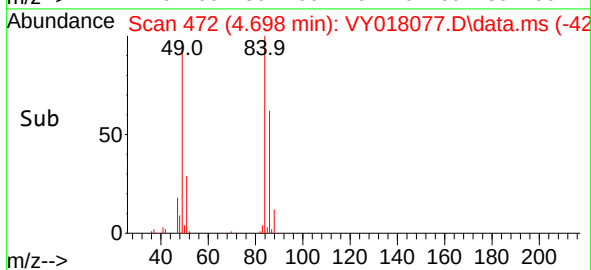
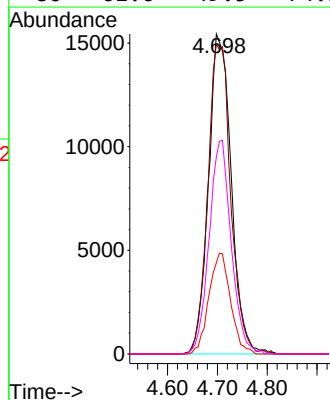
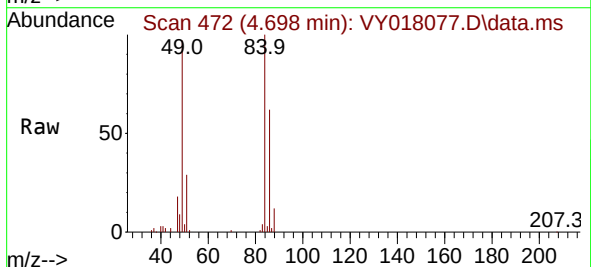
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FOOT-PRINT-A-3

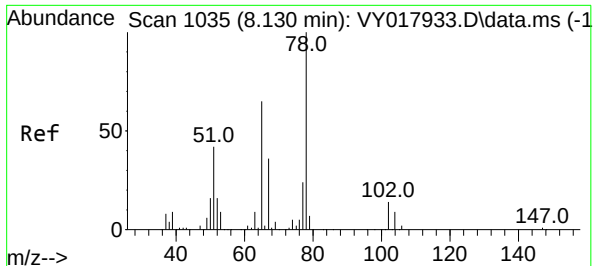
Tgt Ion:168 Resp: 291113  
Ion Ratio Lower Upper  
168 100  
99 46.9 39.1 58.7



#20  
Methylene Chloride  
Concen: 14.509 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.018 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

Tgt Ion: 84 Resp: 48930  
Ion Ratio Lower Upper  
84 100  
49 96.8 84.4 126.6  
51 28.5 26.0 39.0  
86 61.6 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 50.727 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY018077.D

Acq: 29 Apr 2024 18:42

Instrument :

MSVOA\_Y

ClientSampleId :

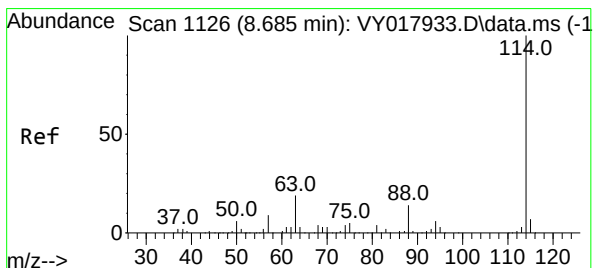
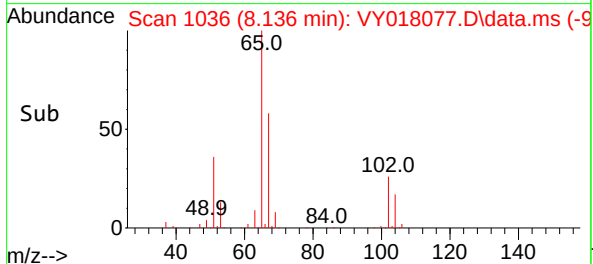
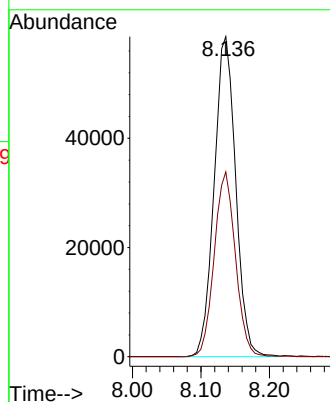
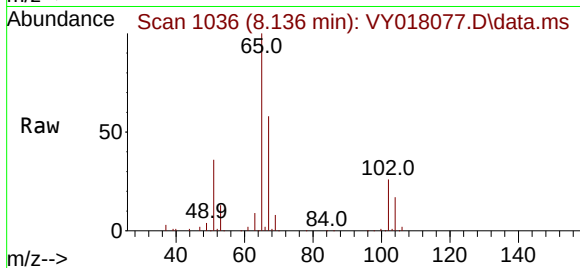
FOOT-PRINT-A-3

Tgt Ion: 65 Resp: 127793

Ion Ratio Lower Upper

65 100

67 56.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY018077.D

Acq: 29 Apr 2024 18:42

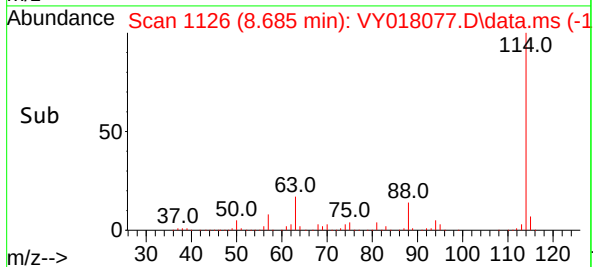
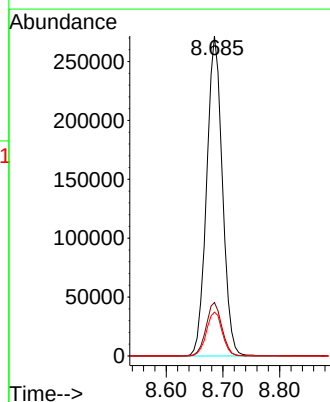
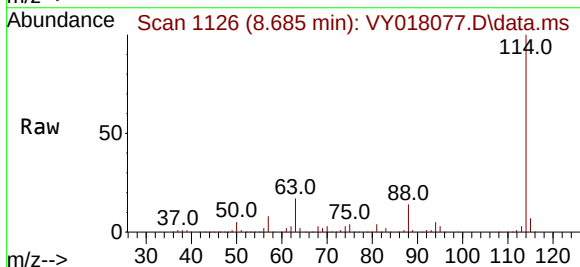
Tgt Ion: 114 Resp: 523559

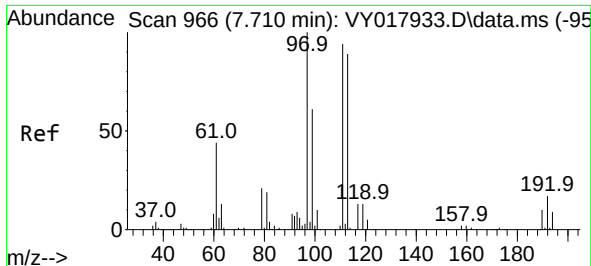
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 13.7 0.0 27.2

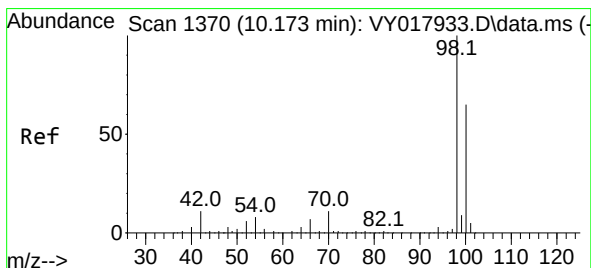
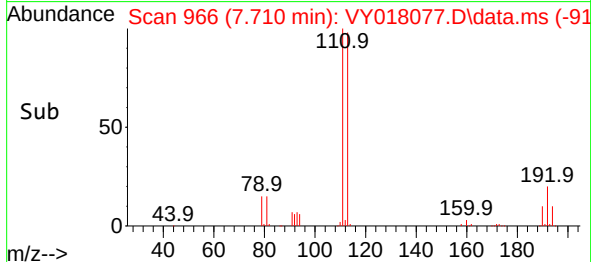
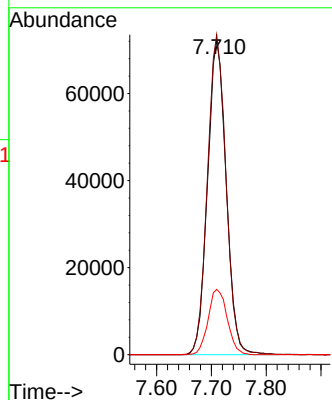
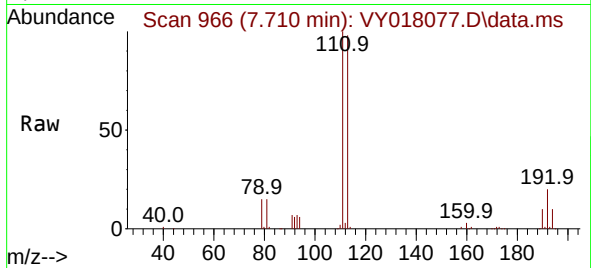




#35  
Dibromofluoromethane  
Concen: 52.647 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.012 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

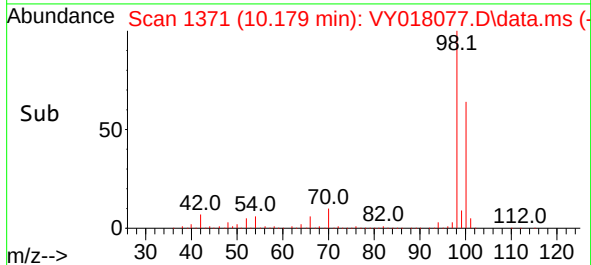
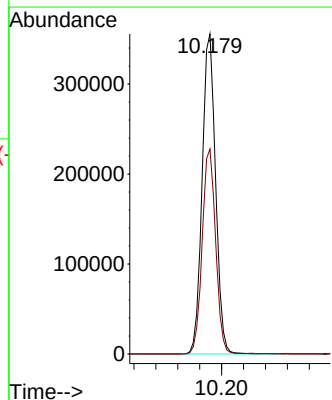
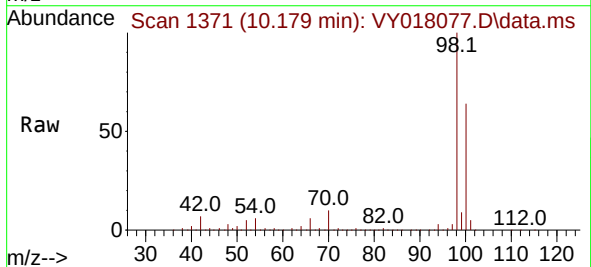
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MSVOA\_Y  
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FOOT-PRINT-A-3

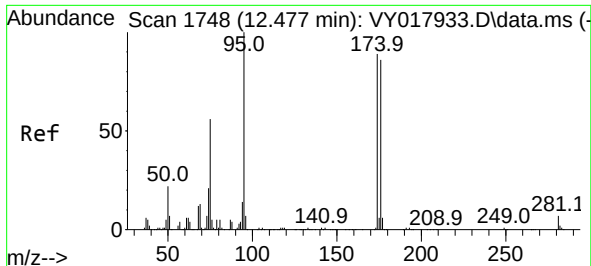
Tgt Ion:113 Resp: 170052  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.2 123.4  
192 21.3 15.9 23.9



#50  
Toluene-d8  
Concen: 49.356 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

Tgt Ion: 98 Resp: 604925  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.0 78.0

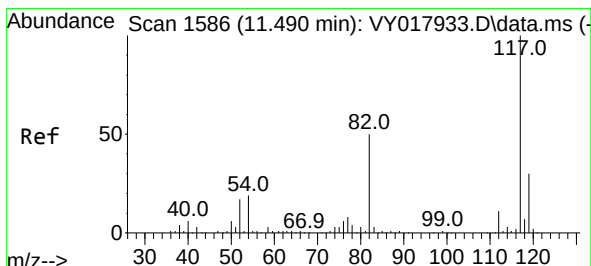
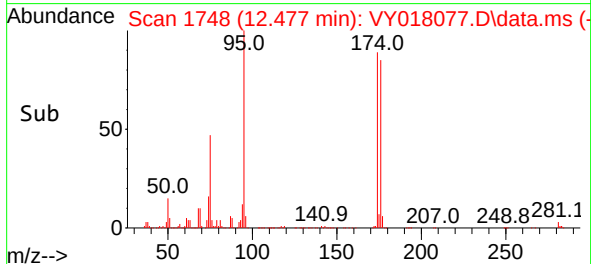
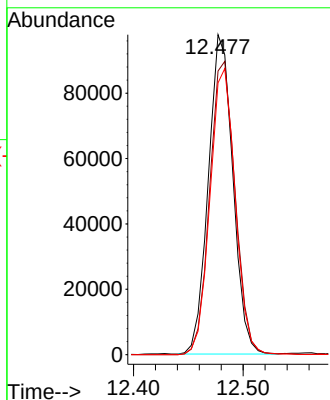
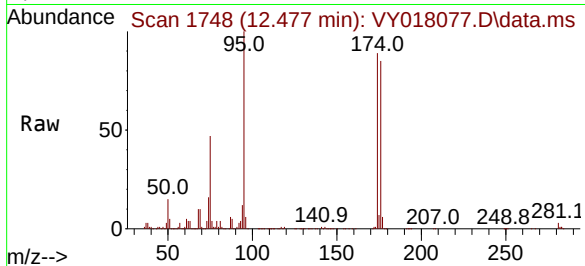




#62  
4-Bromofluorobenzene  
Concen: 40.099 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

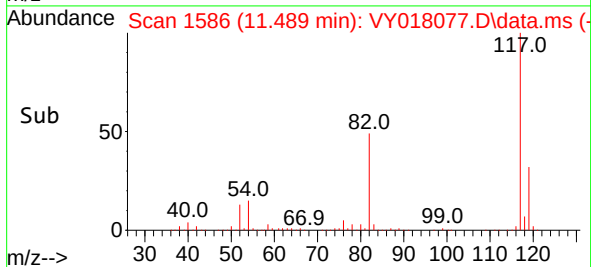
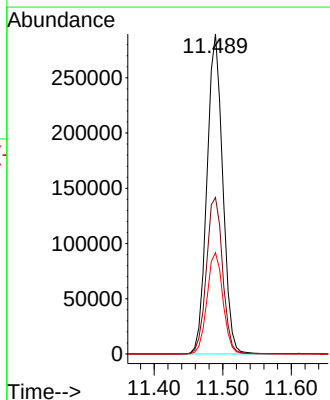
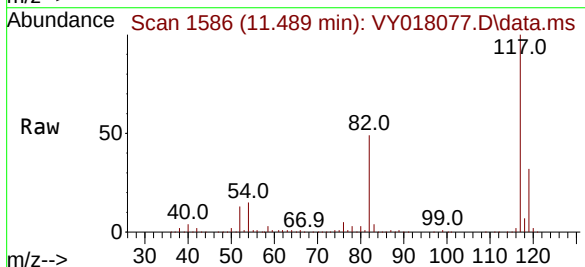
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FOOT-PRINT-A-3

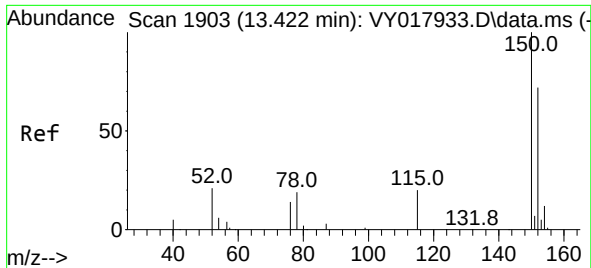
Tgt Ion: 95 Resp: 152209  
Ion Ratio Lower Upper  
95 100  
174 95.4 0.0 175.6  
176 91.9 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY018077.D  
Acq: 29 Apr 2024 18:42

Tgt Ion: 117 Resp: 463873  
Ion Ratio Lower Upper  
117 100  
82 48.9 42.4 63.6  
119 31.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY018077.D

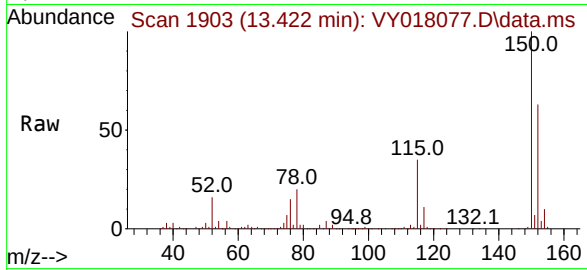
Acq: 29 Apr 2024 18:42

Instrument :

MSVOA\_Y

ClientSampleId :

FOOT-PRINT-A-3



Tgt Ion:152 Resp: 162811

Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 157.2 0.0 345.6

