

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053123\  
 Data File : VU054338.D  
 Acq On : 31 May 2023 15:25  
 Operator : JC/MD  
 Sample : 02936-20  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 FB-01-20230524

Quant Time: Jun 01 05:21:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 26 06:40:51 2023  
 Response via : Initial Calibration

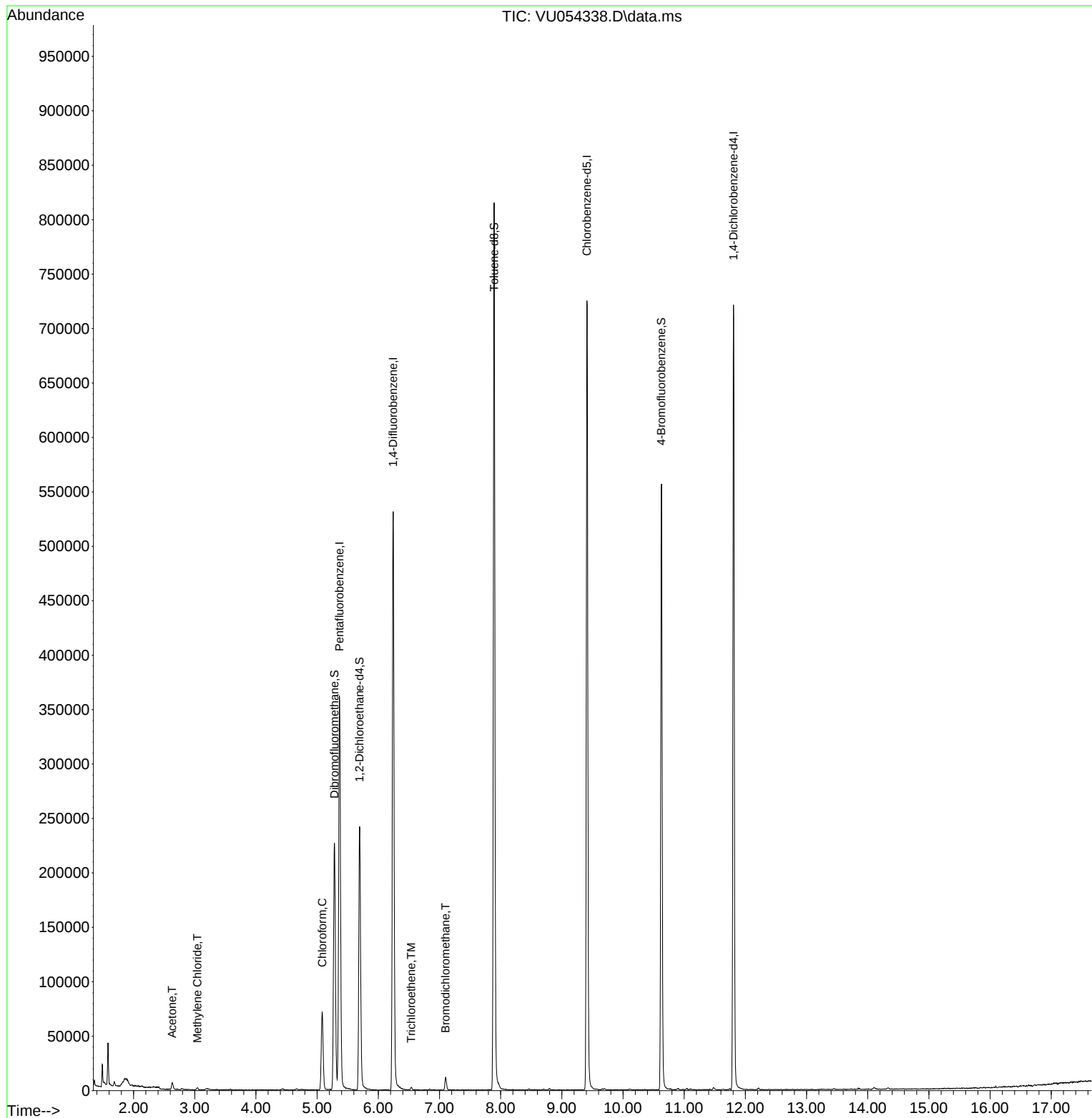
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.366     | 168   | 264056   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.243     | 114   | 446673   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.410     | 117   | 418824   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.806    | 152   | 195425   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.694     | 65    | 182070   | 52.598   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 105.200% |
| 35) Dibromofluoromethane    | 5.282     | 113   | 148771   | 51.720   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 103.440% |
| 50) Toluene-d8              | 7.893     | 98    | 546914   | 49.987   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 99.980%  |
| 62) 4-Bromofluorobenzene    | 10.626    | 95    | 187778   | 44.262   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 88.520%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.629     | 43    | 7918     | 3.991    | ug/l # | 86       |
| 20) Methylene Chloride      | 3.041     | 84    | 1134     | 0.317    | ug/l # | 91       |
| 30) Chloroform              | 5.083     | 83    | 66073    | 11.629   | ug/l   | 100      |
| 44) Trichloroethene         | 6.536     | 130   | 954      | 0.265    | ug/l   | 78       |
| 47) Bromodichloromethane    | 7.099     | 83    | 8254     | 1.784    | ug/l   | 94       |
| -----                       |           |       |          |          |        |          |

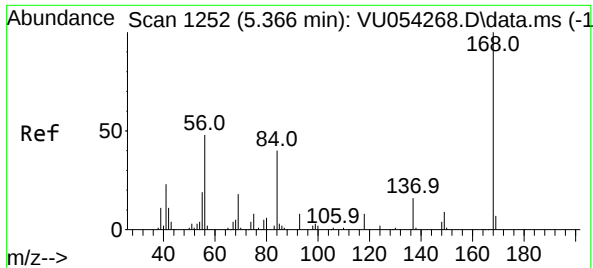
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 01 05:21:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 26 06:40:51 2023  
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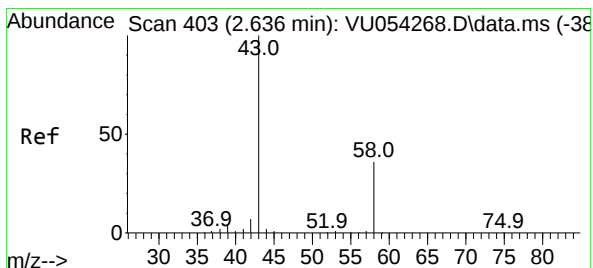
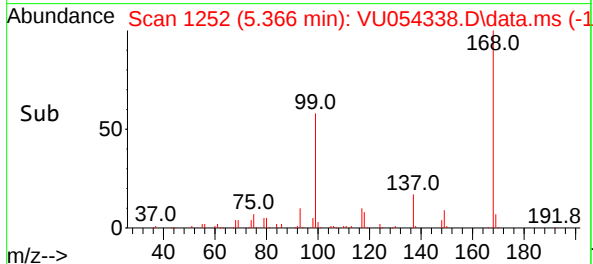
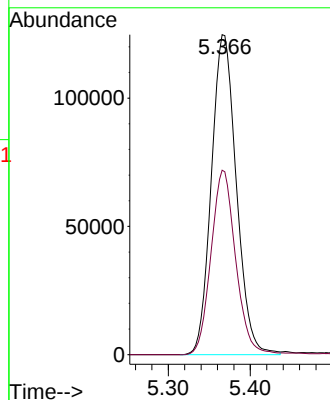
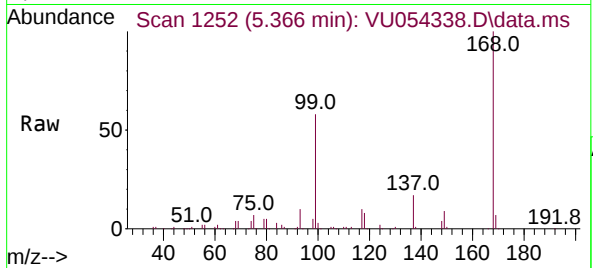




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.366 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

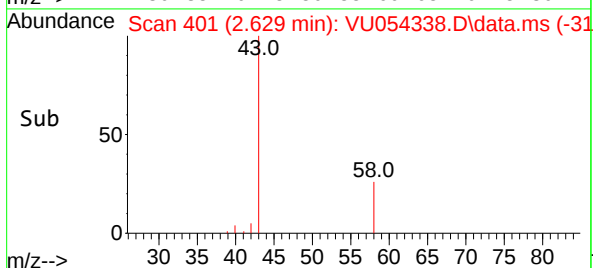
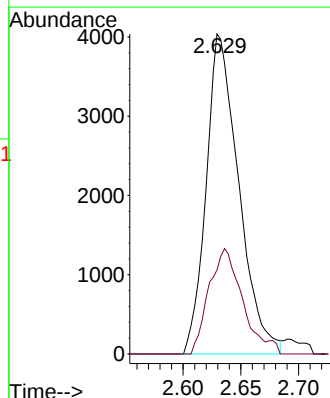
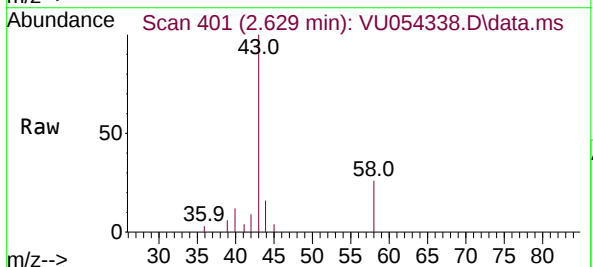
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MSVOA\_U  
ClientSampleId :  
FB-01-20230524

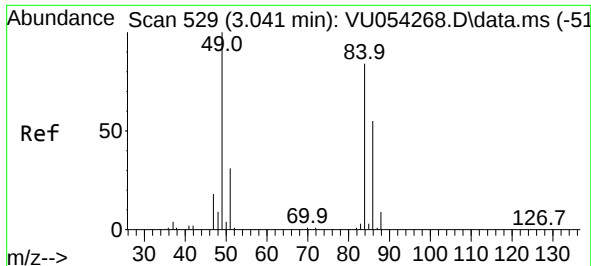
Tgt Ion:168 Resp: 264056  
Ion Ratio Lower Upper  
168 100  
99 57.7 39.3 58.9



#16  
Acetone  
Concen: 3.991 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. -0.007 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

Tgt Ion: 43 Resp: 7918  
Ion Ratio Lower Upper  
43 100  
58 26.3 27.5 41.3#

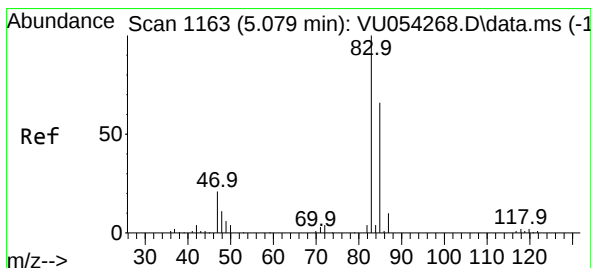
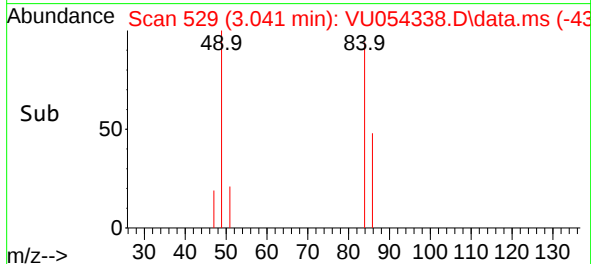
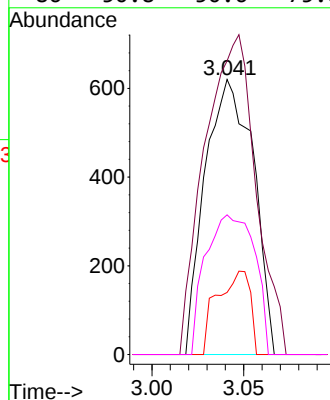
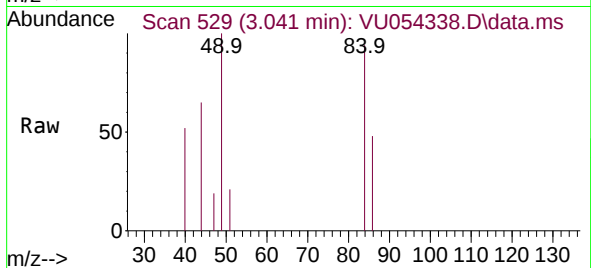




#20  
Methylene Chloride  
Concen: 0.317 ug/l  
RT: 3.041 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

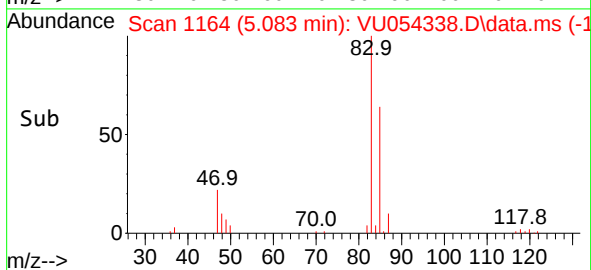
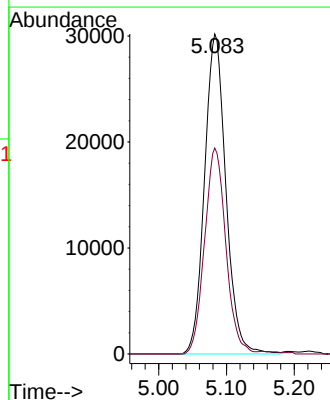
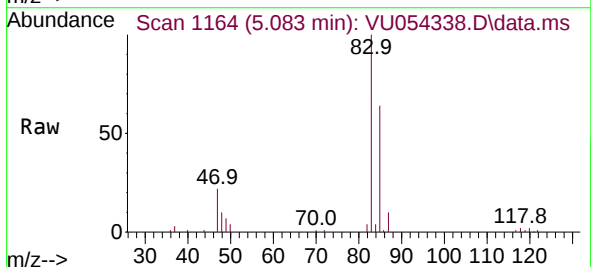
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MSVOA\_U  
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FB-01-20230524

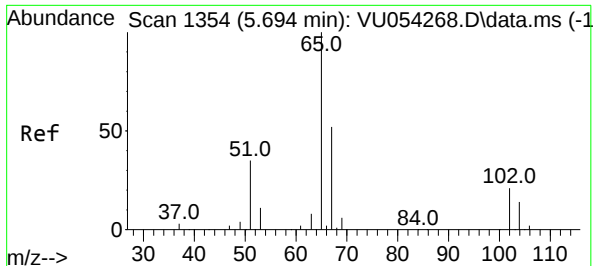
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1134  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.8 | 86.6  | 129.8 |
| 51       | 22.6  | 26.6  | 40.0# |
| 86       | 50.8  | 50.6  | 75.8  |



#30  
Chloroform  
Concen: 11.629 ug/l  
RT: 5.083 min Scan# 1164  
Delta R.T. 0.004 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 66073 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.3  | 51.2  | 76.8  |





#33

1,2-Dichloroethane-d4

Concen: 52.598 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054338.D

Acq: 31 May 2023 15:25

Instrument :

MSVOA\_U

ClientSampleId :

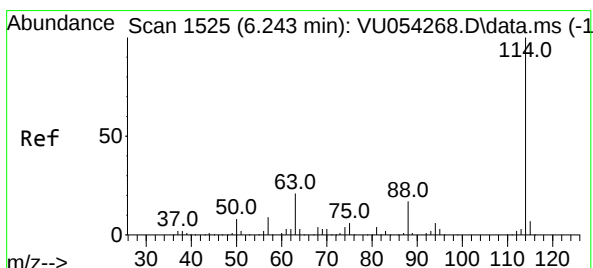
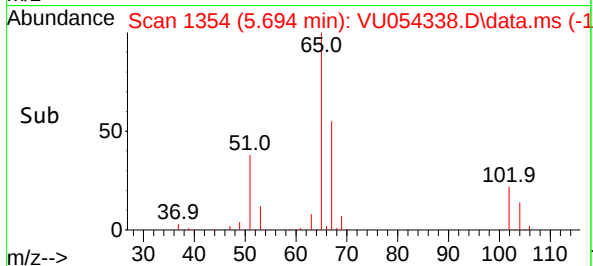
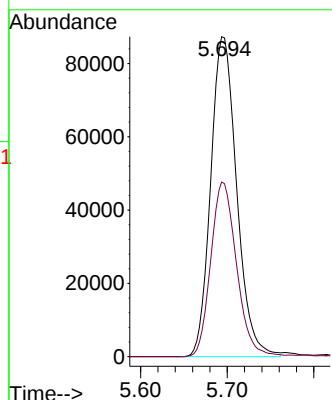
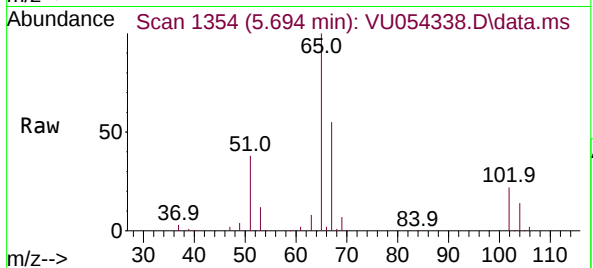
FB-01-20230524

Tgt Ion: 65 Resp: 182070

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054338.D

Acq: 31 May 2023 15:25

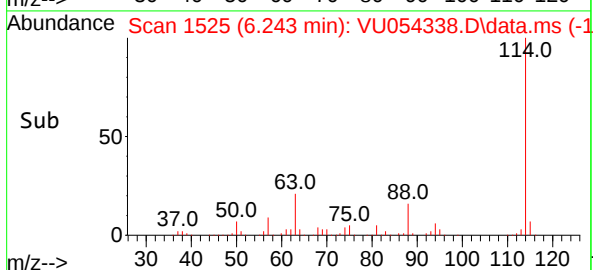
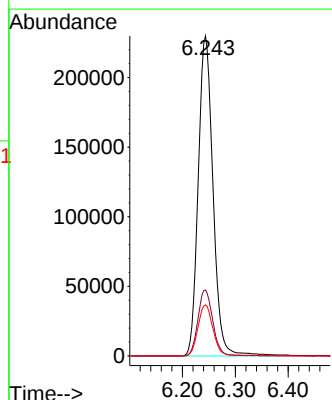
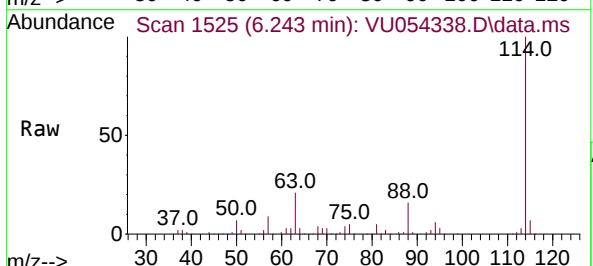
Tgt Ion: 114 Resp: 446673

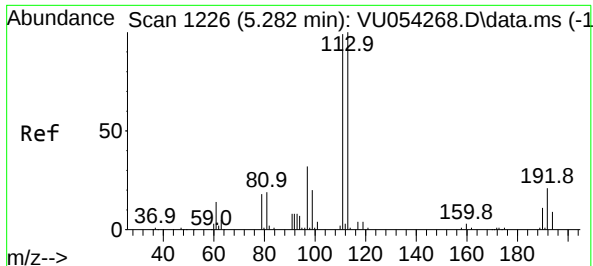
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.8

88 16.0 0.0 29.2

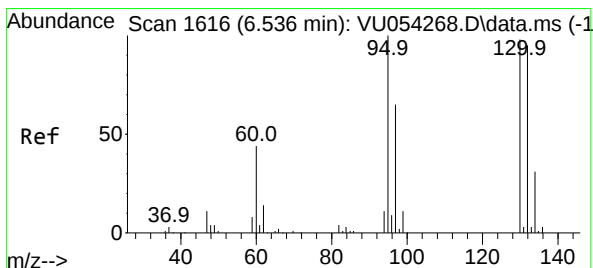
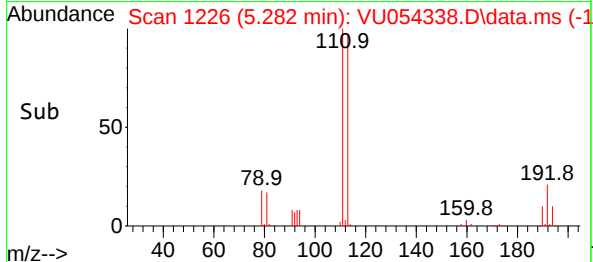
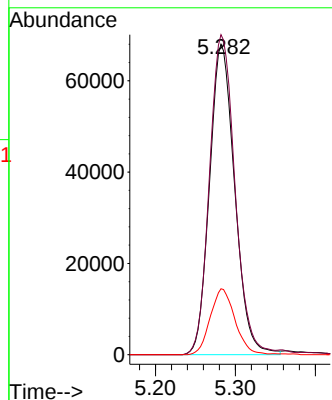
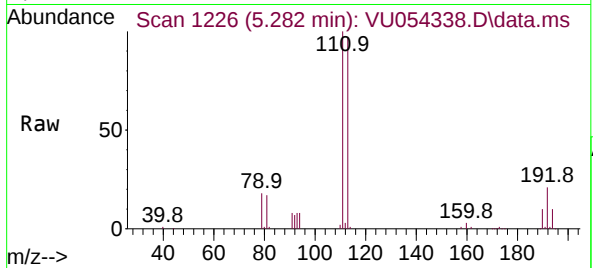




#35  
 Dibromofluoromethane  
 Concen: 51.720 ug/l  
 RT: 5.282 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VU054338.D  
 Acq: 31 May 2023 15:25

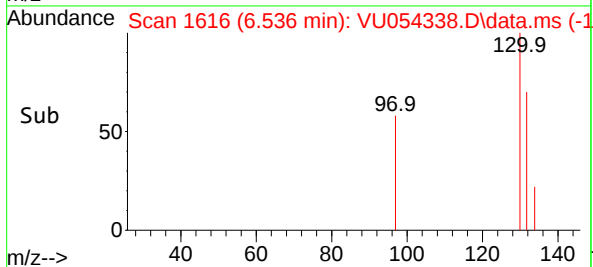
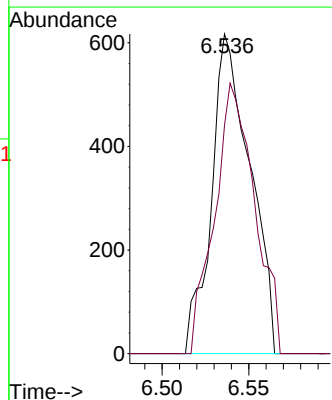
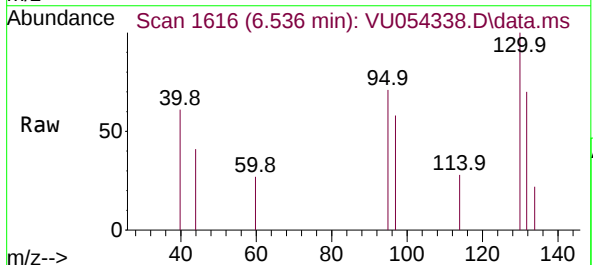
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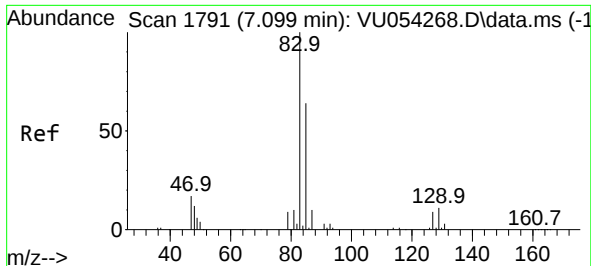
Tgt Ion:113 Resp: 148771  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 82.1 123.1  
 192 20.8 18.0 27.0



#44  
 Trichloroethene  
 Concen: 0.265 ug/l  
 RT: 6.536 min Scan# 1616  
 Delta R.T. -0.000 min  
 Lab File: VU054338.D  
 Acq: 31 May 2023 15:25

Tgt Ion:130 Resp: 954  
 Ion Ratio Lower Upper  
 130 100  
 95 71.5 0.0 184.6

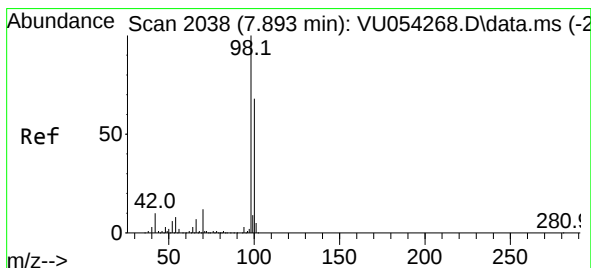
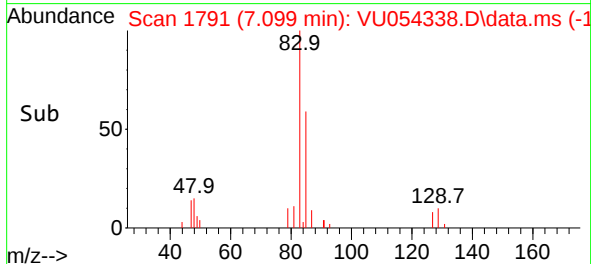
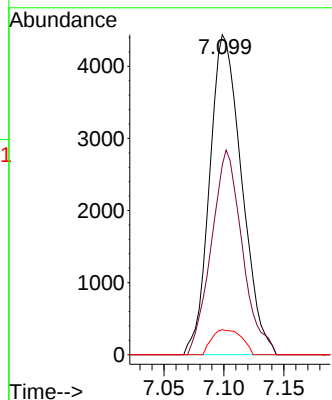
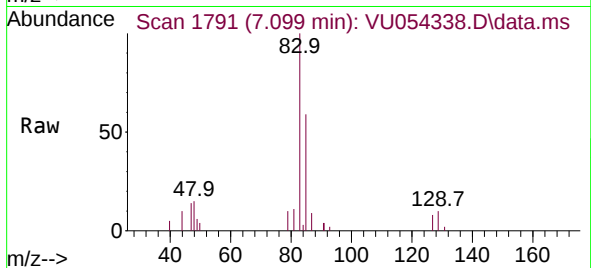




#47  
Bromodichloromethane  
Concen: 1.784 ug/l  
RT: 7.099 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

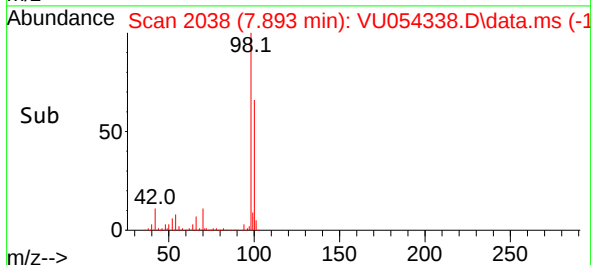
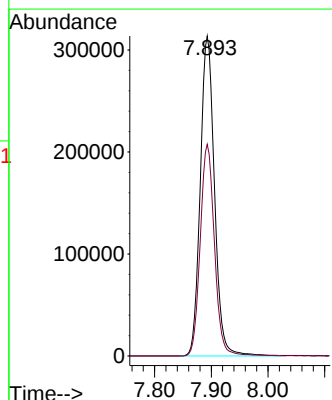
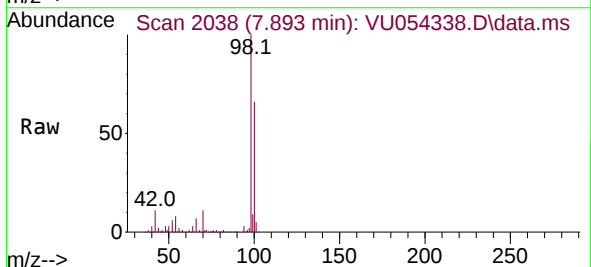
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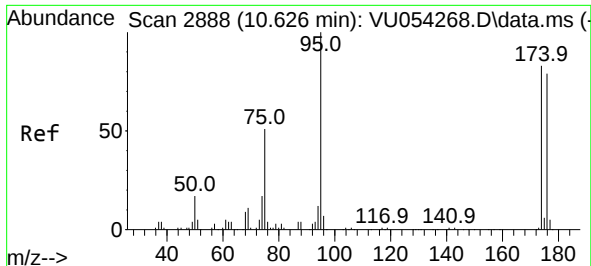
Tgt Ion: 83 Resp: 8254  
Ion Ratio Lower Upper  
83 100  
85 59.3 51.4 77.2  
127 7.8 7.1 10.7



#50  
Toluene-d8  
Concen: 49.987 ug/l  
RT: 7.893 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

Tgt Ion: 98 Resp: 546914  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.7 77.5

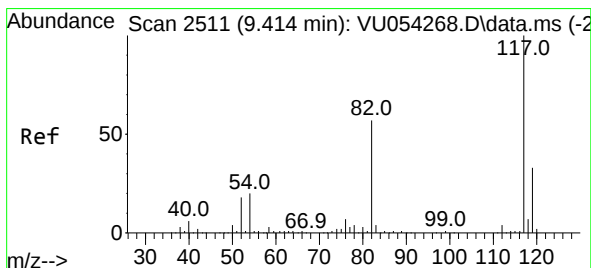
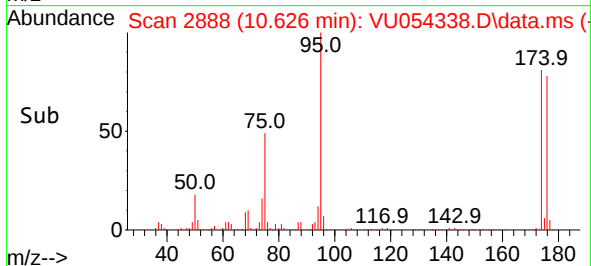
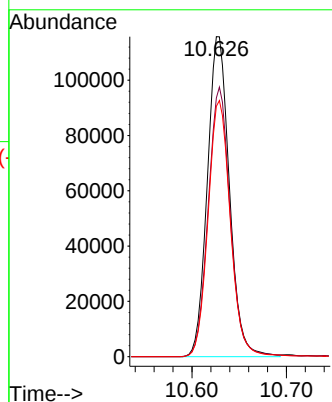
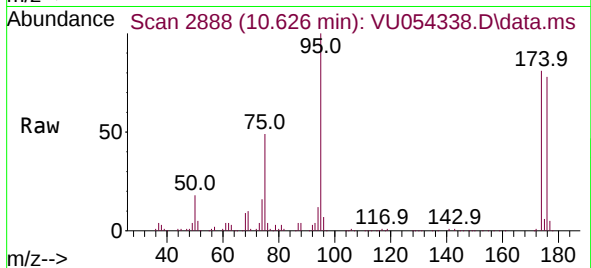




#62  
4-Bromofluorobenzene  
Concen: 44.262 ug/l  
RT: 10.626 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

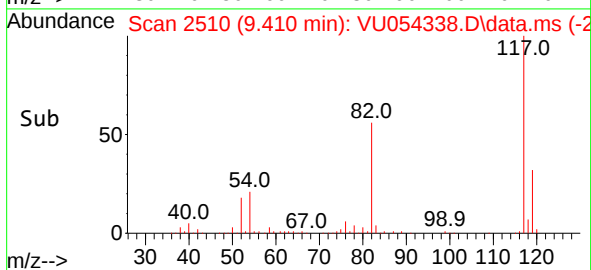
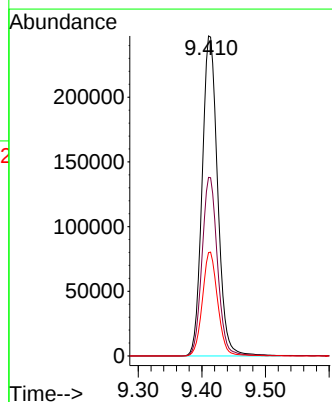
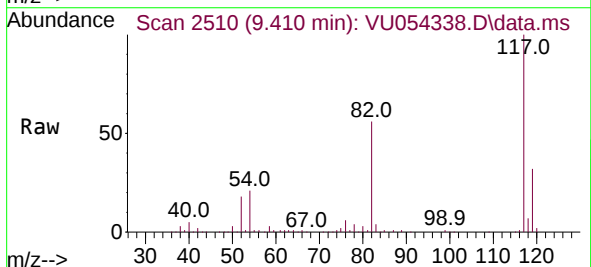
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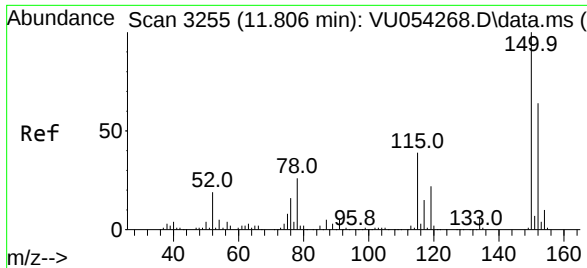
Tgt Ion: 95 Resp: 187778  
Ion Ratio Lower Upper  
95 100  
174 84.6 0.0 182.0  
176 80.8 0.0 177.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.410 min Scan# 2510  
Delta R.T. -0.004 min  
Lab File: VU054338.D  
Acq: 31 May 2023 15:25

Tgt Ion: 117 Resp: 418824  
Ion Ratio Lower Upper  
117 100  
82 55.8 41.7 62.5  
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054338.D

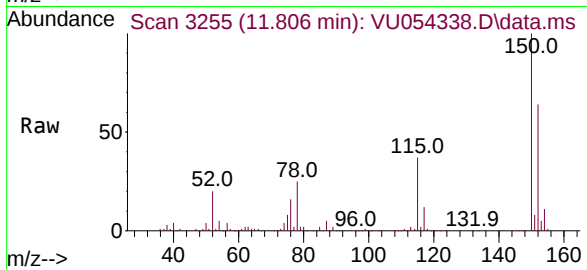
Acq: 31 May 2023 15:25

Instrument :

MSVOA\_U

ClientSampleId :

FB-01-20230524



Tgt Ion:152 Resp: 195425

Ion Ratio Lower Upper

152 100

115 57.9 37.0 110.9

150 158.0 0.0 342.2

