

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
 Data File : VU045616.D  
 Acq On : 08 Nov 2021 15:32  
 Operator : SY/MD  
 Sample : M4571-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1

Quant Time: Nov 09 09:57:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

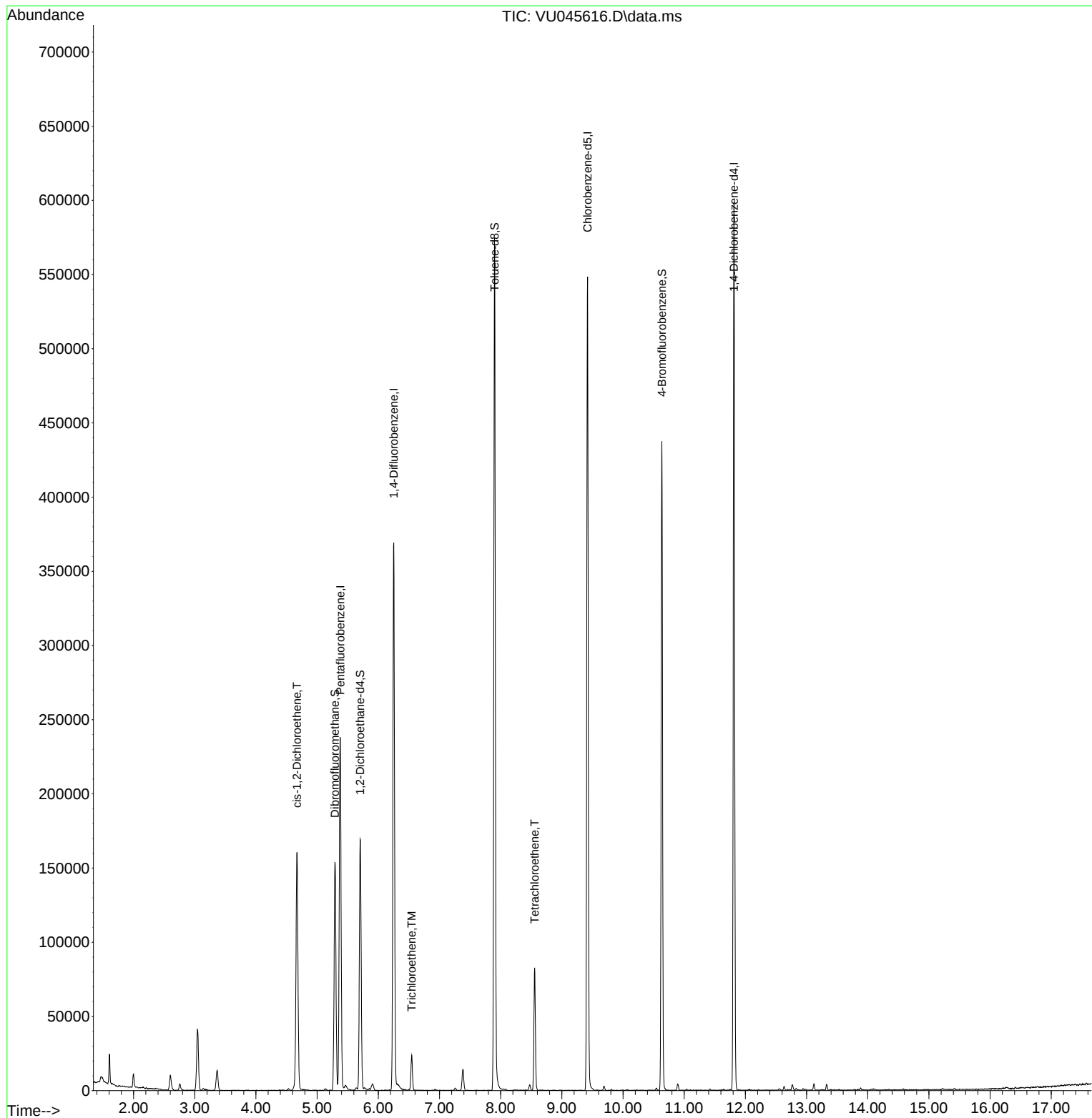
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.378     | 168   | 158203   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253     | 114   | 294508   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 9.420     | 117   | 297227   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.812    | 152   | 148042   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.703     | 65    | 125600   | 53.012   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 106.020% |          |
| 35) Dibromofluoromethane    | 5.292     | 113   | 99442    | 50.574   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 101.140% |          |
| 50) Toluene-d8              | 7.899     | 98    | 386363   | 52.843   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 105.680% |          |
| 62) 4-Bromofluorobenzene    | 10.635    | 95    | 148970   | 50.810   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 101.620% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 27) cis-1,2-Dichloroethene  | 4.671     | 96    | 82904    | 38.981   | ug/l       | 89       |
| 44) Trichloroethene         | 6.546     | 130   | 7822     | 3.844    | ug/l       | 85       |
| 64) Tetrachloroethene       | 8.555     | 164   | 18025    | 10.566   | ug/l       | 97       |
| -----                       |           |       |          |          |            |          |

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

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Instrument :  
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Quant Time: Nov 09 09:57:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

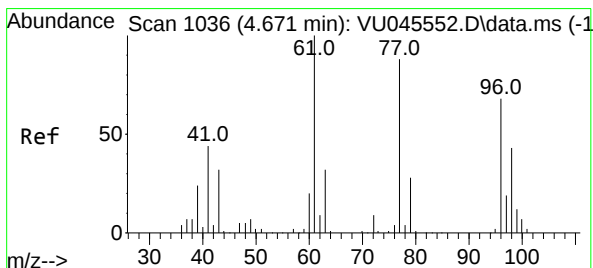
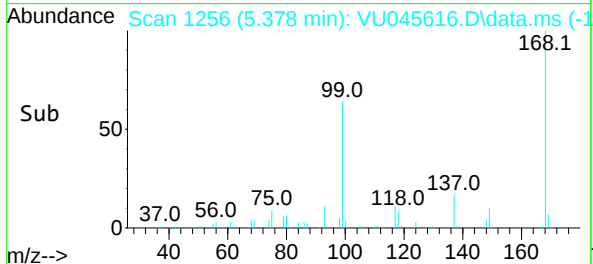
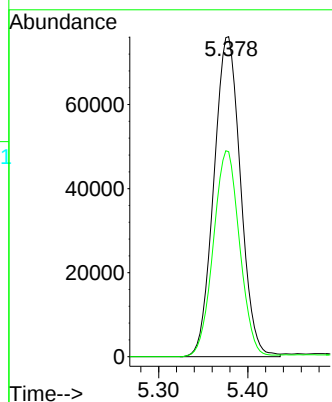
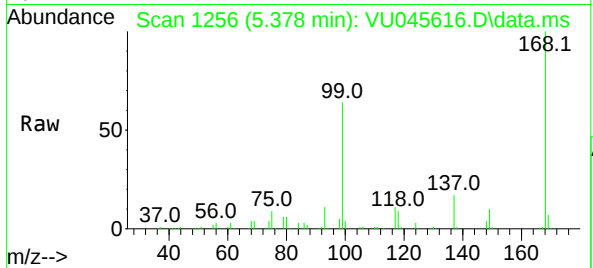




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

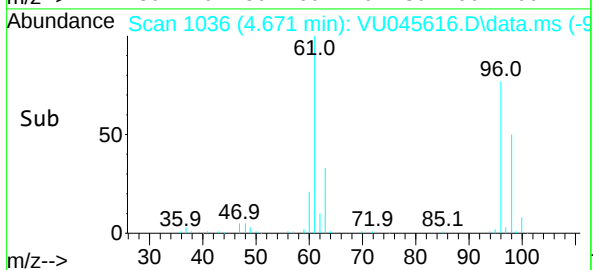
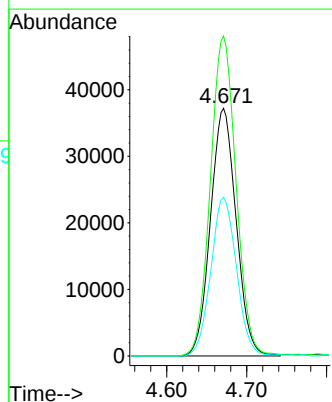
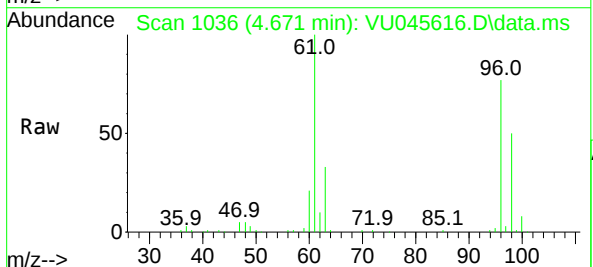
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1

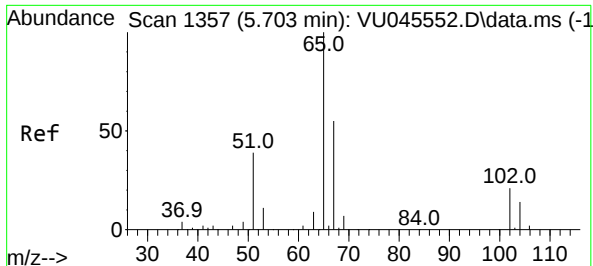
Tgt Ion:168 Resp: 158203  
Ion Ratio Lower Upper  
168 100  
99 64.0 51.0 76.6



#27  
cis-1,2-Dichloroethene  
Concen: 38.981 ug/l  
RT: 4.671 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

Tgt Ion: 96 Resp: 82904  
Ion Ratio Lower Upper  
96 100  
61 129.1 0.0 299.2  
98 63.9 0.0 127.6





#33

1,2-Dichloroethane-d4

Concen: 53.012 ug/l

RT: 5.703 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

Instrument :

MSVOA\_U

ClientSampleId :

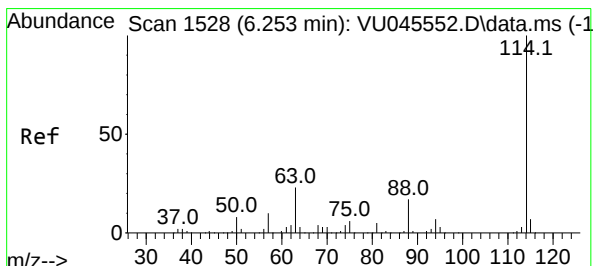
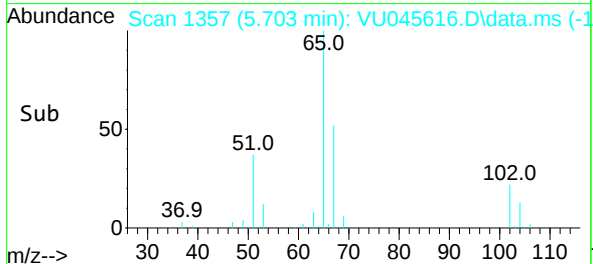
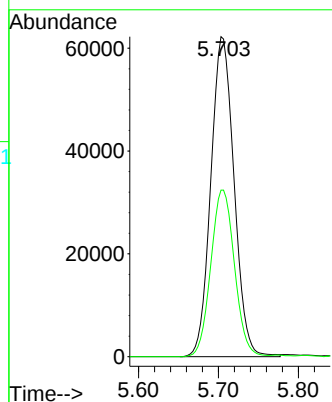
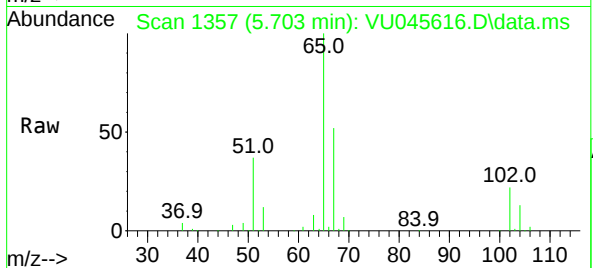
MW-1

Tgt Ion: 65 Resp: 125600

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

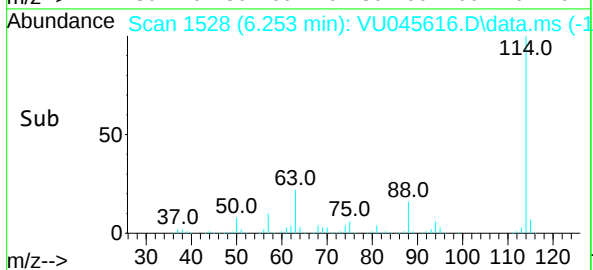
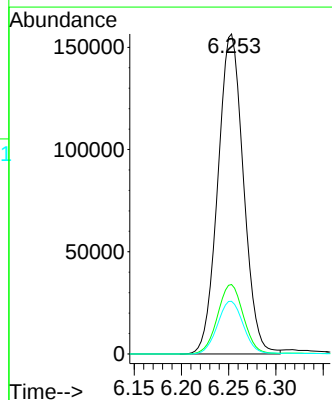
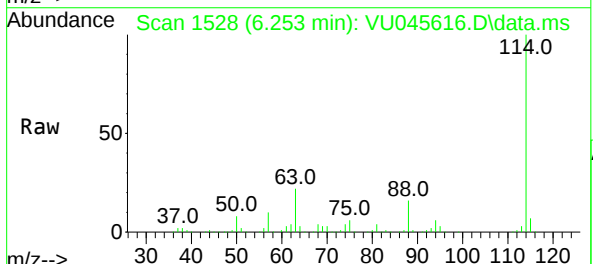
Tgt Ion: 114 Resp: 294508

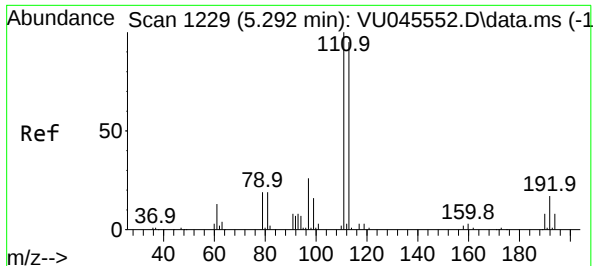
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.5 0.0 33.8

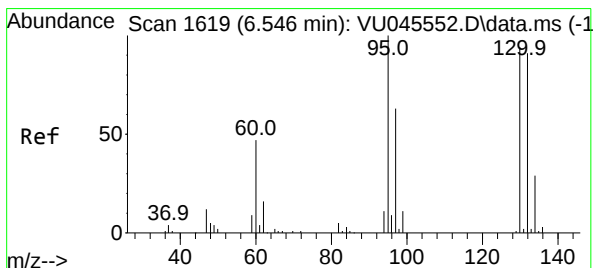
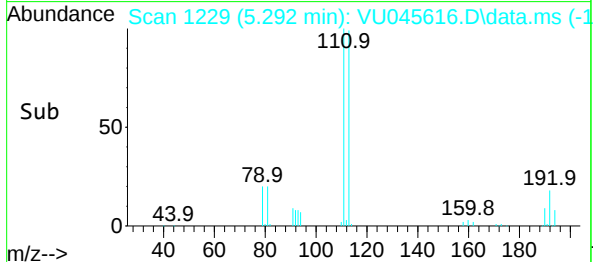
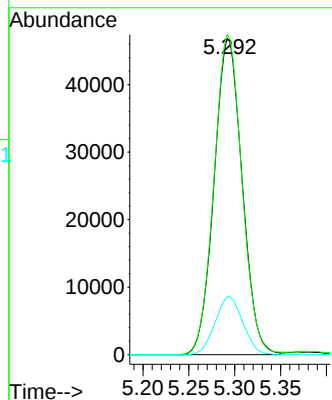
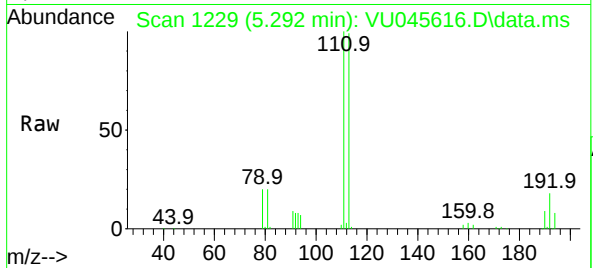




#35  
Dibromofluoromethane  
Concen: 50.574 ug/l  
RT: 5.292 min Scan# 1111  
Delta R.T. -0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

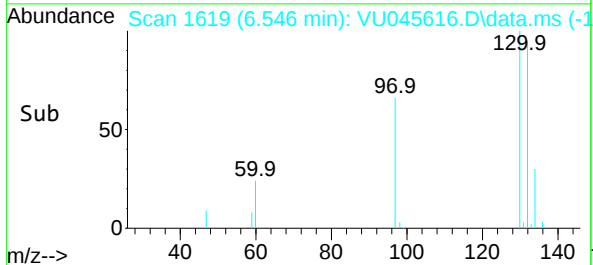
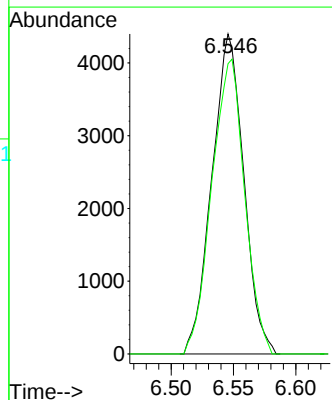
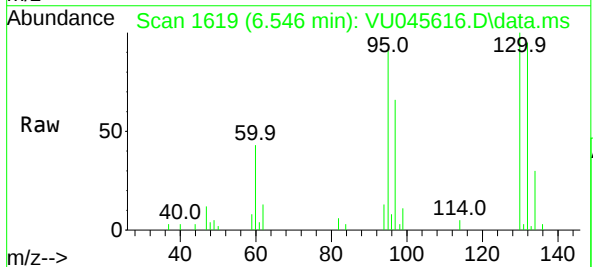
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1

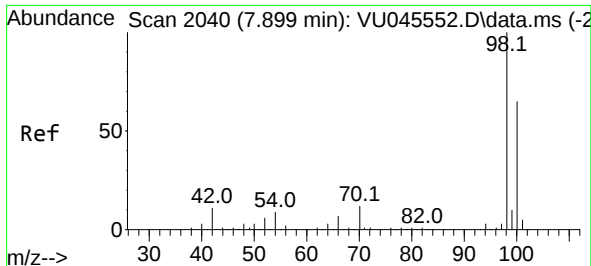
Tgt Ion:113 Resp: 99442  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.8 124.2  
192 18.2 14.8 22.2



#44  
Trichloroethene  
Concen: 3.844 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

Tgt Ion:130 Resp: 7822  
Ion Ratio Lower Upper  
130 100  
95 90.7 0.0 211.4

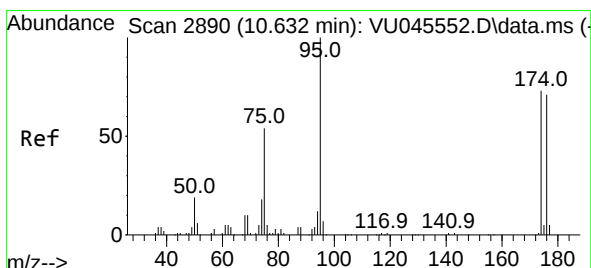
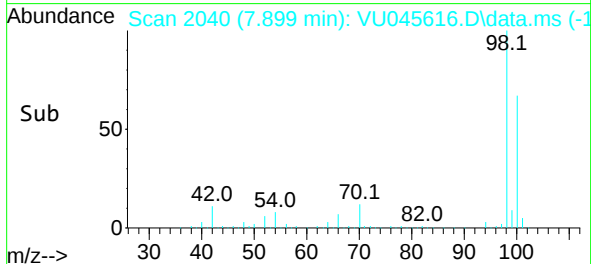
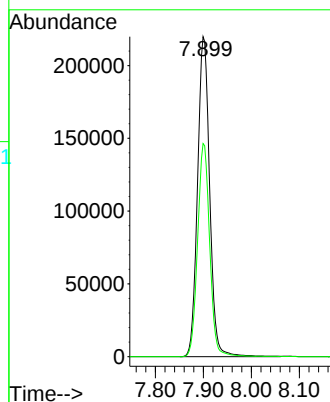
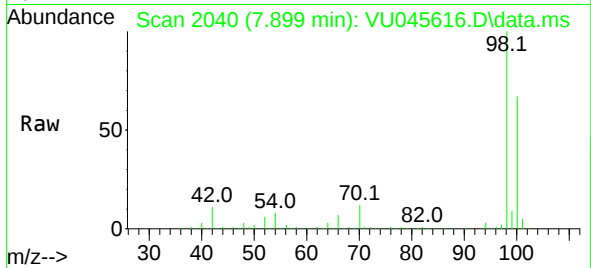




#50  
Toluene-d8  
Concen: 52.843 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

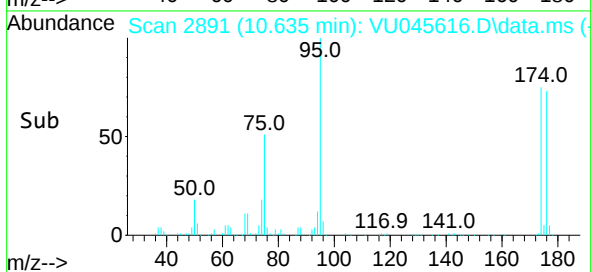
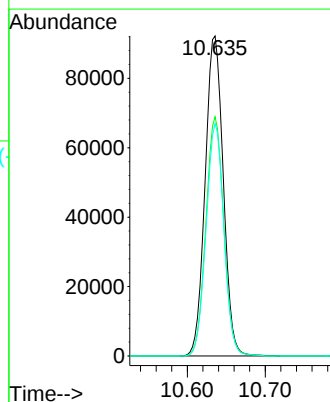
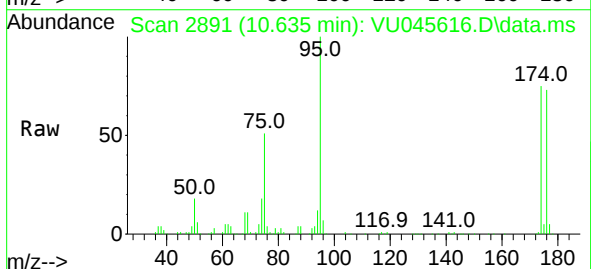
Instrument :  
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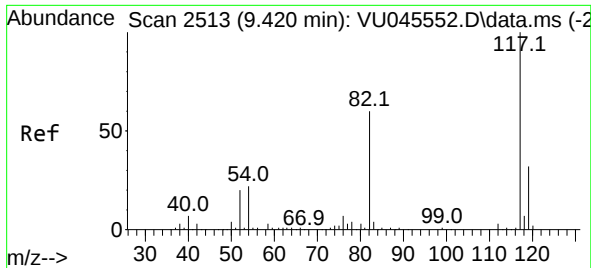
Tgt Ion: 98 Resp: 386363  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 50.810 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

Tgt Ion: 95 Resp: 148970  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 141.8  
176 71.1 0.0 138.2

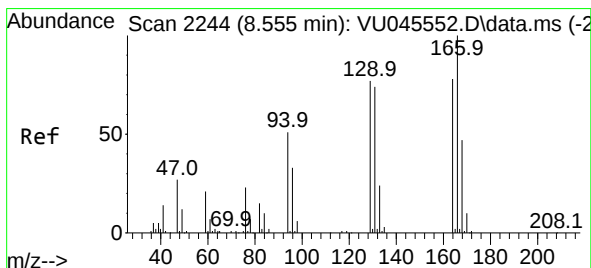
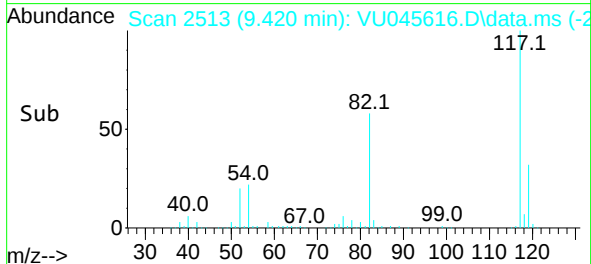
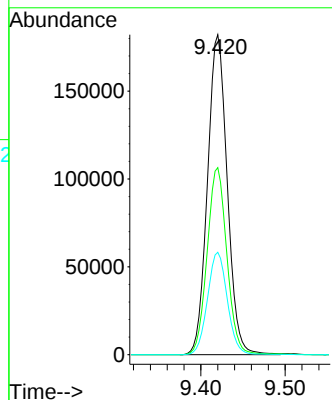
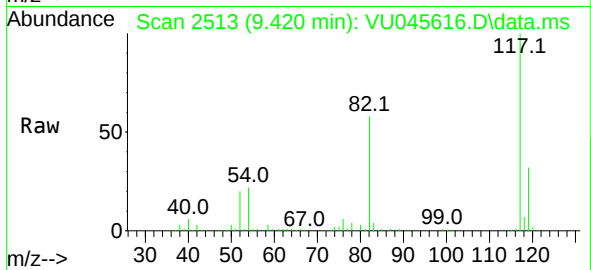




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

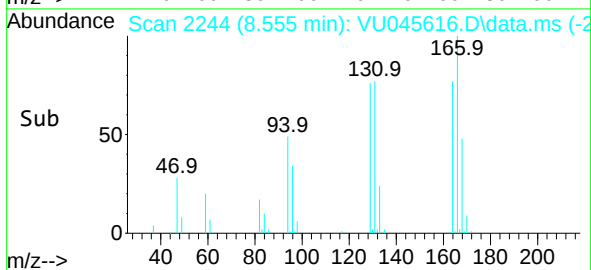
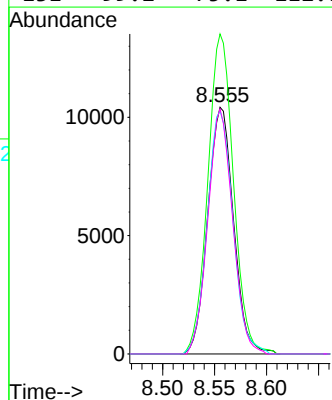
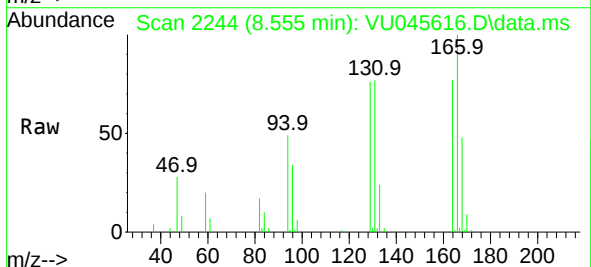
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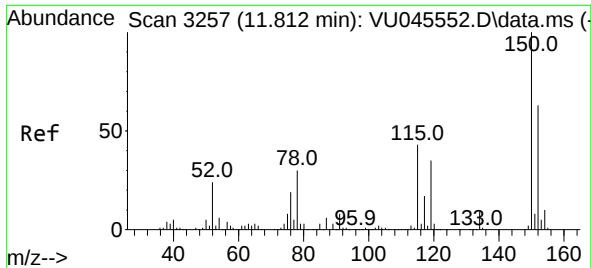
Tgt Ion:117 Resp: 297227  
Ion Ratio Lower Upper  
117 100  
82 58.4 47.8 71.8  
119 32.0 25.8 38.8



#64  
Tetrachloroethene  
Concen: 10.566 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU045616.D  
Acq: 08 Nov 2021 15:32

Tgt Ion:164 Resp: 18025  
Ion Ratio Lower Upper  
164 100  
166 129.7 102.2 153.4  
129 98.5 78.2 117.4  
131 99.2 75.1 112.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.812 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045616.D

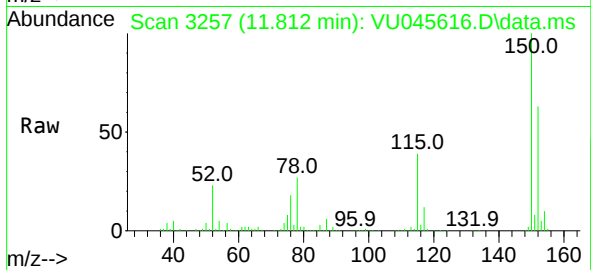
Acq: 08 Nov 2021 15:32

Instrument :

MSVOA\_U

ClientSampleId :

MW-1



Tgt Ion:152 Resp: 148042

Ion Ratio Lower Upper

152 100

115 62.3 42.7 128.1

150 159.7 0.0 346.8

