

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111021\  
 Data File : VU045712.D  
 Acq On : 11 Nov 2021 01:22  
 Operator : SY/MD  
 Sample : M4594-13DL 40X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DUP01-20211108DL

Quant Time: Nov 11 02:35:48 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

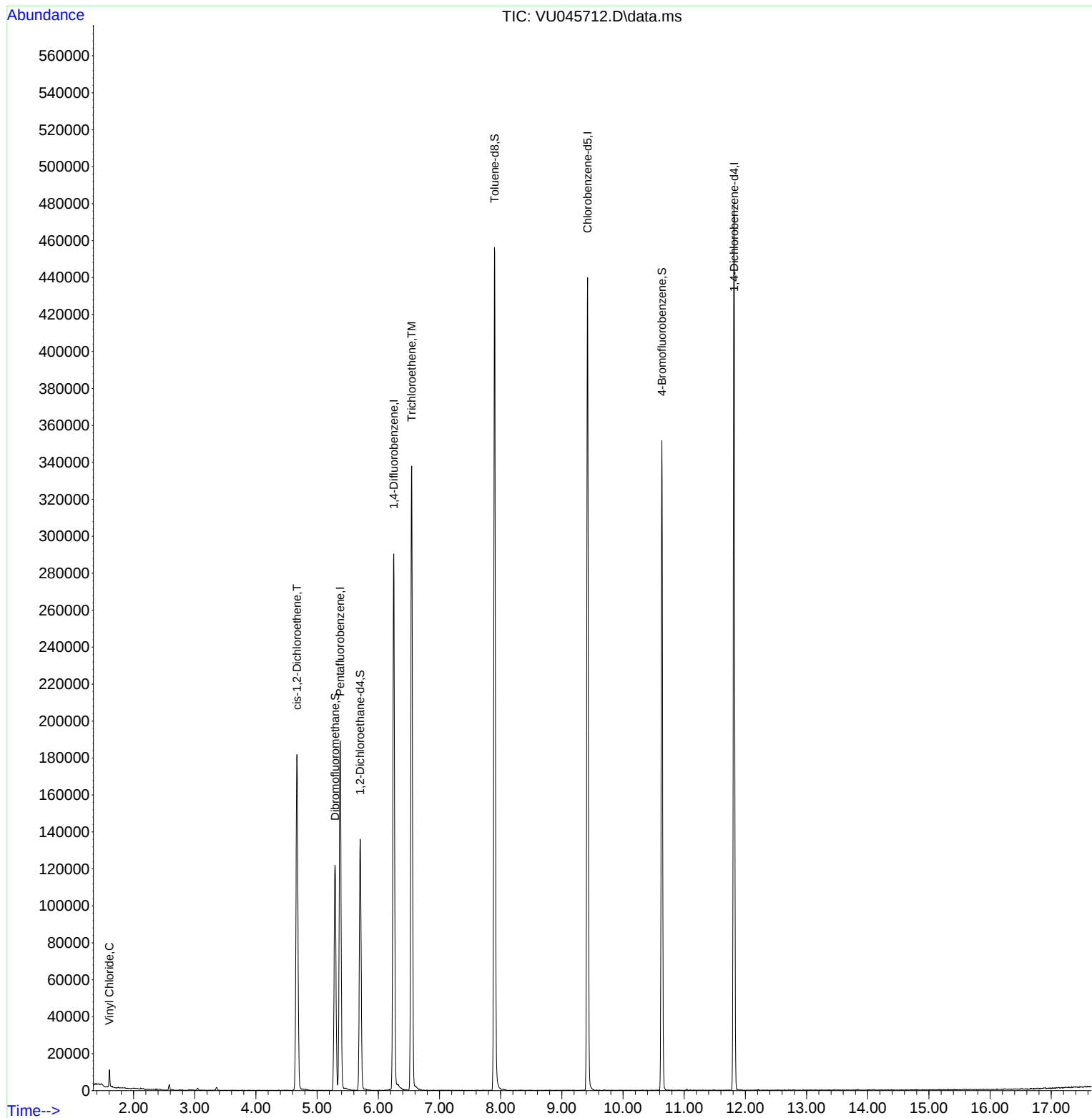
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.375     | 168   | 126122   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253     | 114   | 229011   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 9.420     | 117   | 238511   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.816    | 152   | 119856   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.703     | 65    | 101669   | 53.827   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 107.660% |          |
| 35) Dibromofluoromethane    | 5.292     | 113   | 79262    | 51.840   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 103.680% |          |
| 50) Toluene-d8              | 7.899     | 98    | 303369   | 53.358   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 106.720% |          |
| 62) 4-Bromofluorobenzene    | 10.636    | 95    | 116167   | 50.953   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 101.900% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 4) Vinyl Chloride           | 1.604     | 62    | 6065     | 3.328    | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene  | 4.671     | 96    | 95000    | 56.031   | ug/l       | 89       |
| 44) Trichloroethene         | 6.546     | 130   | 111315   | 70.341   | ug/l       | 99       |
| -----                       |           |       |          |          |            |          |

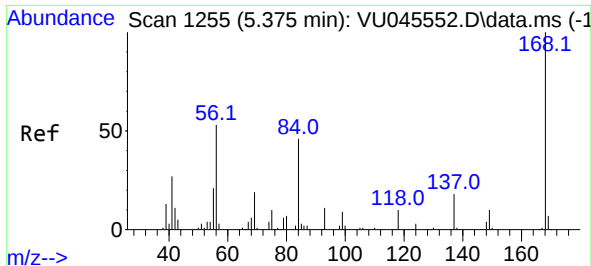
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4594-13DL 40X  
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DUP01-20211108DL

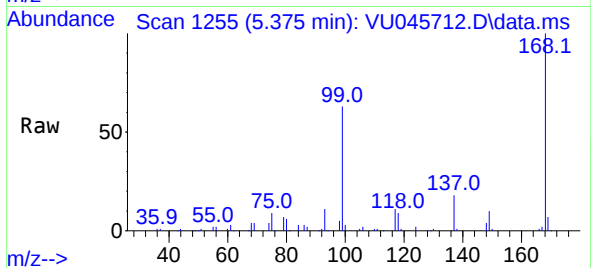
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration



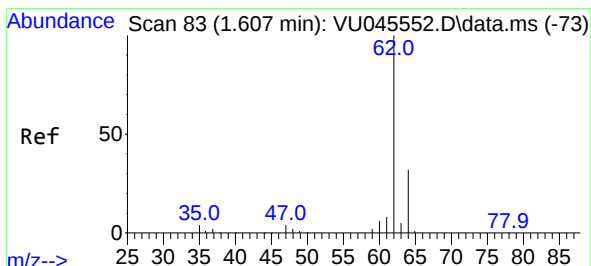
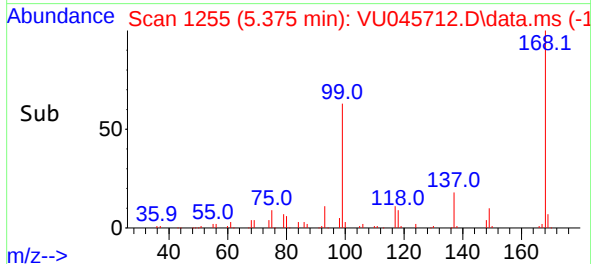
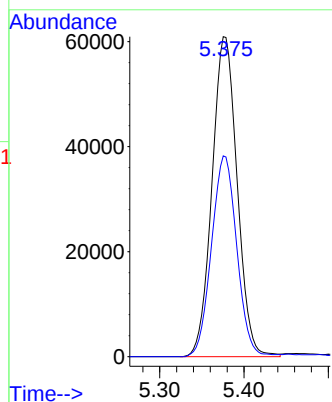


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
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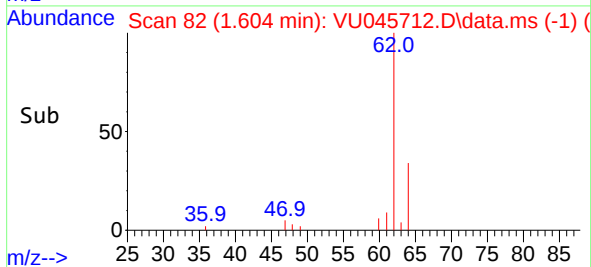
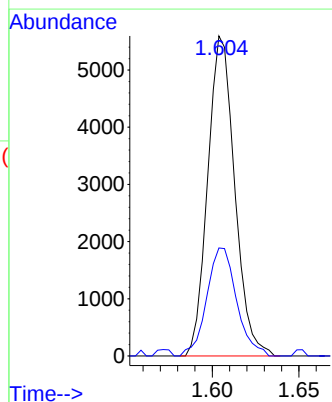
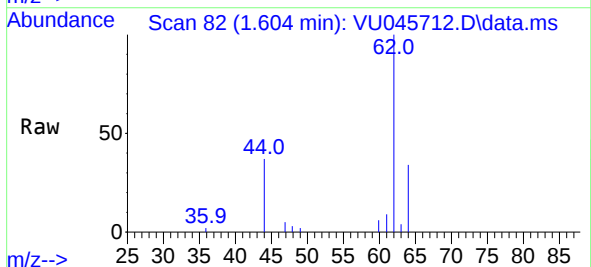


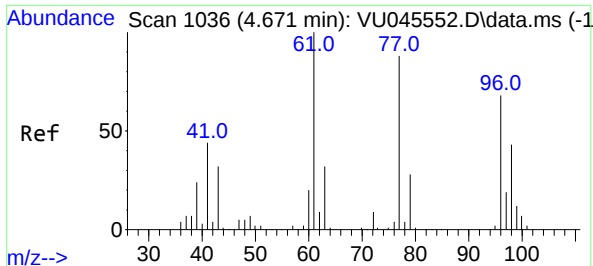
Tgt Ion:168 Resp: 126122  
Ion Ratio Lower Upper  
168 100  
99 62.7 51.0 76.6



#4  
Vinyl Chloride  
Concen: 3.328 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. -0.003 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

Tgt Ion: 62 Resp: 6065  
Ion Ratio Lower Upper  
62 100  
64 33.8 25.8 38.6

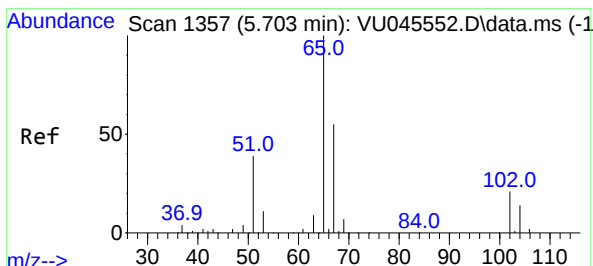
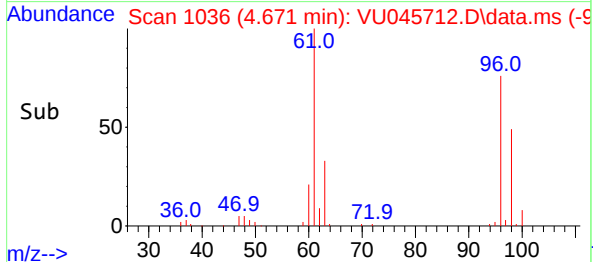
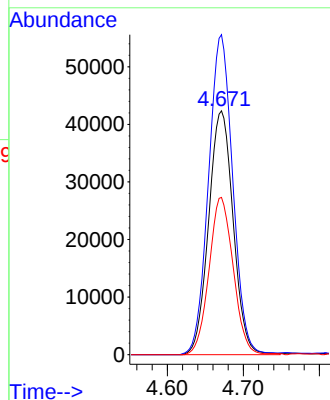
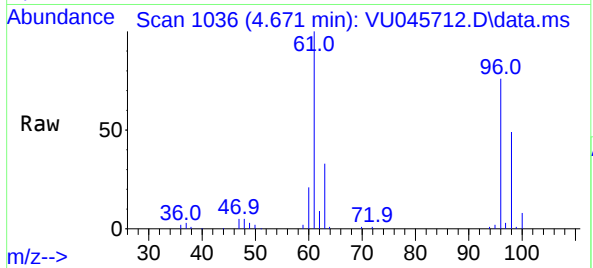




#27  
 cis-1,2-Dichloroethene  
 Concen: 56.031 ug/l  
 RT: 4.671 min Scan# 1036  
 Delta R.T. 0.000 min  
 Lab File: VU045712.D  
 Acq: 11 Nov 2021 01:22

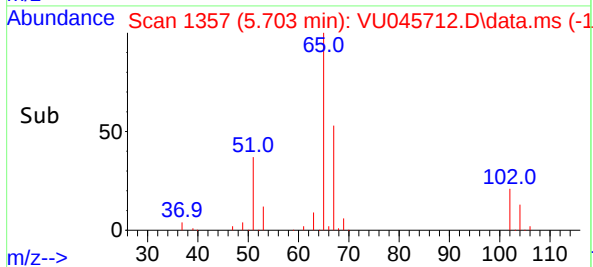
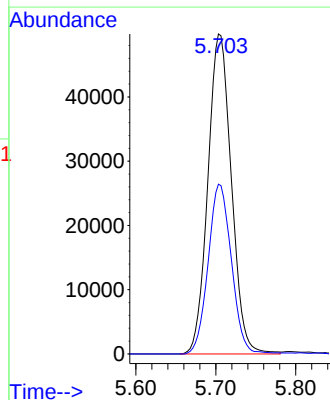
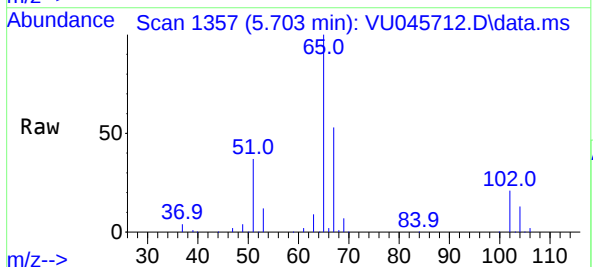
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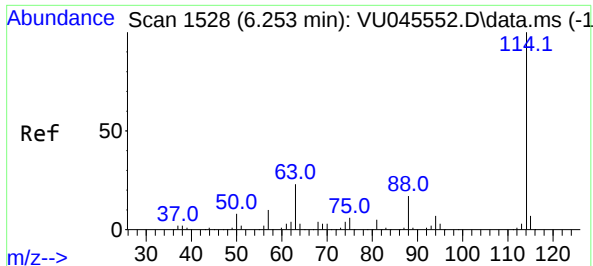
Tgt Ion: 96 Resp: 95000  
 Ion Ratio Lower Upper  
 96 100  
 61 129.5 0.0 299.2  
 98 63.3 0.0 127.6



#33  
 1,2-Dichloroethane-d4  
 Concen: 53.827 ug/l  
 RT: 5.703 min Scan# 1357  
 Delta R.T. 0.000 min  
 Lab File: VU045712.D  
 Acq: 11 Nov 2021 01:22

Tgt Ion: 65 Resp: 101669  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 105.8

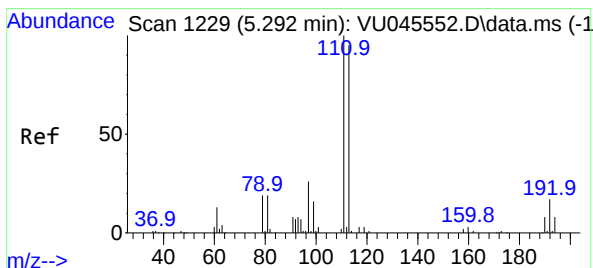
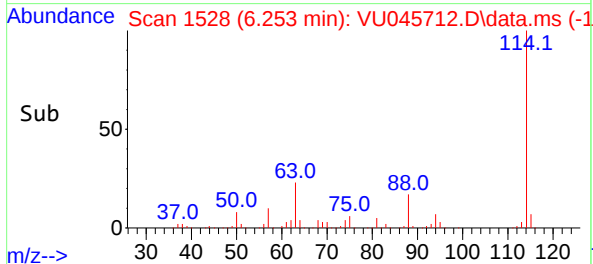
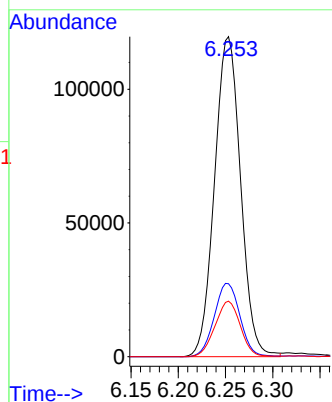
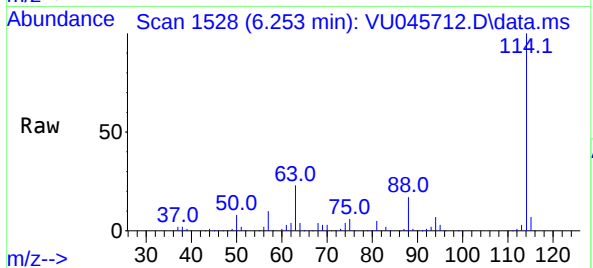




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

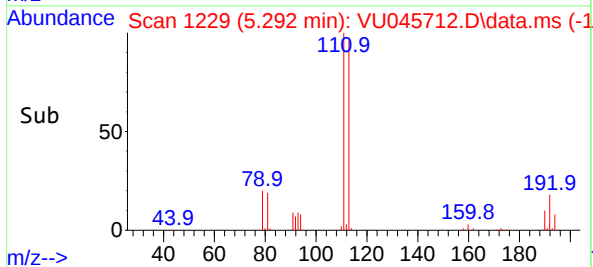
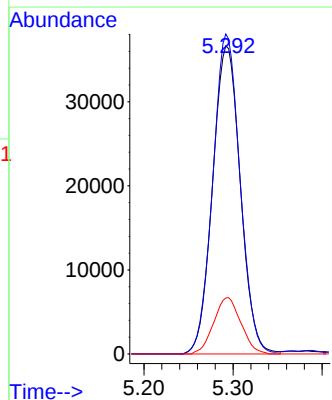
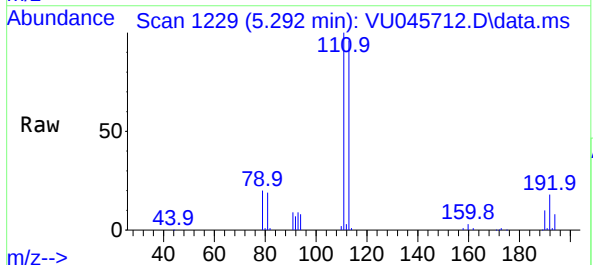
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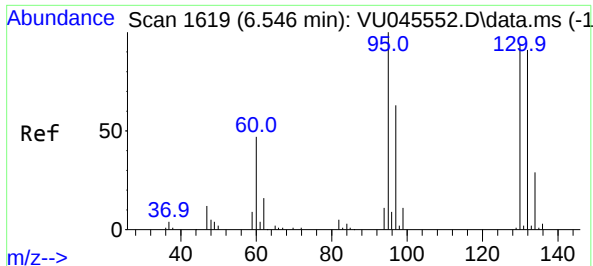
Tgt Ion:114 Resp: 229011  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 45.6  
88 17.4 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 51.840 ug/l  
RT: 5.292 min Scan# 1229  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

Tgt Ion:113 Resp: 79262  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.8 124.2  
192 18.0 14.8 22.2

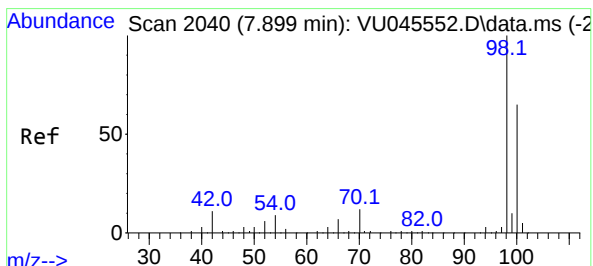
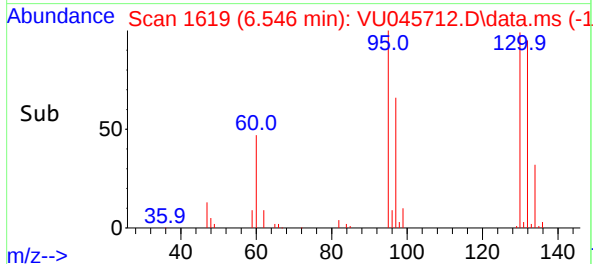
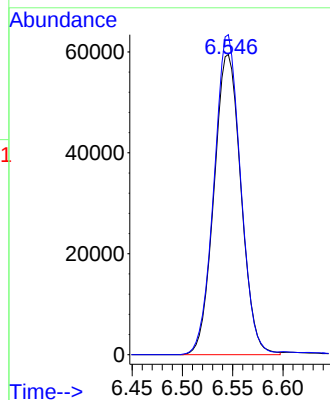
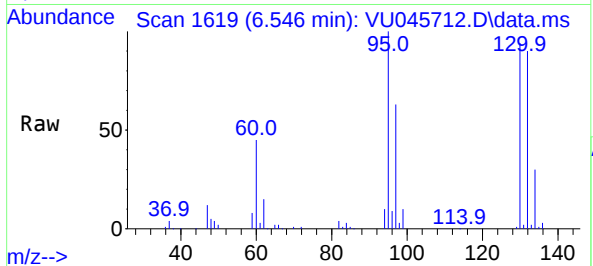




#44  
Trichloroethene  
Concen: 70.341 ug/l  
RT: 6.546 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

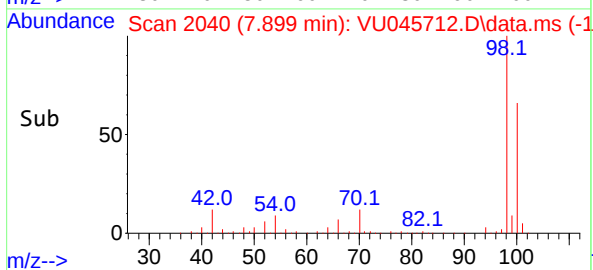
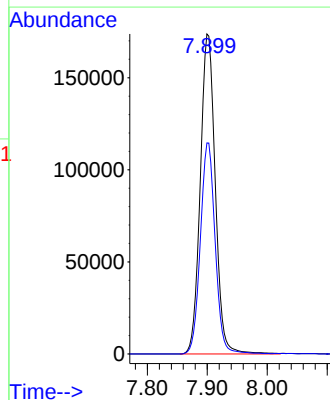
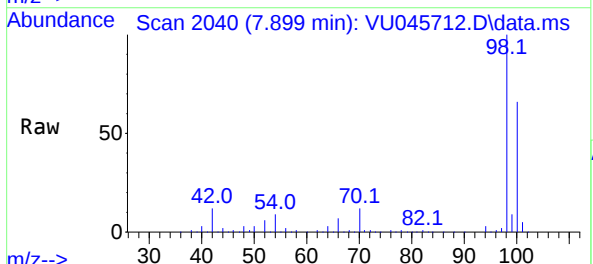
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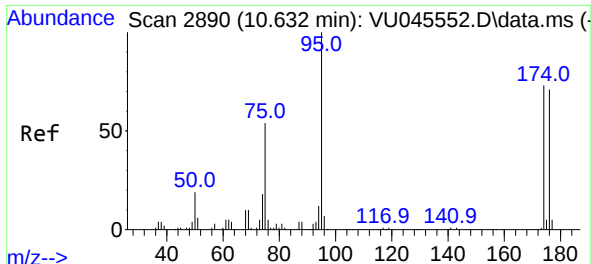
Tgt Ion:130 Resp: 111315  
Ion Ratio Lower Upper  
130 100  
95 106.6 0.0 211.4



#50  
Toluene-d8  
Concen: 53.358 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

Tgt Ion: 98 Resp: 303369  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7

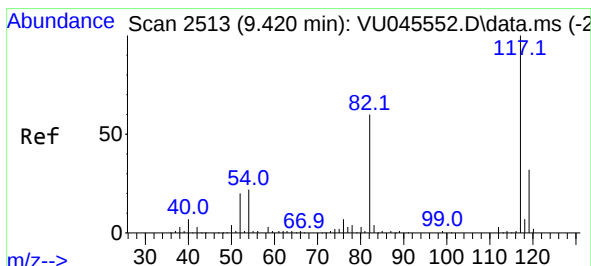
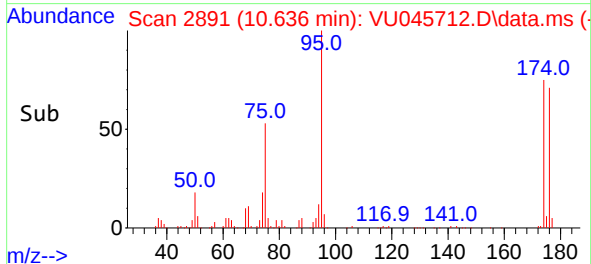
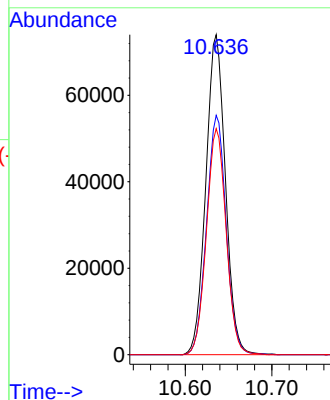
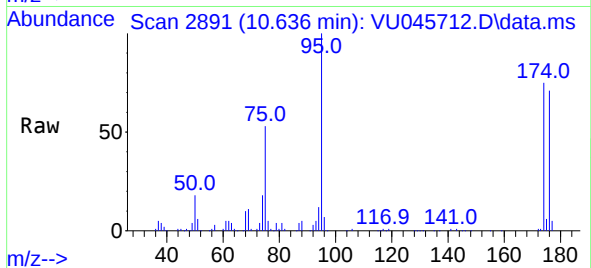




#62  
4-Bromofluorobenzene  
Concen: 50.953 ug/l  
RT: 10.636 min Scan# 2890  
Delta R.T. 0.003 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

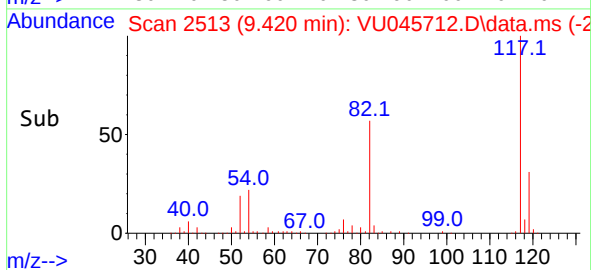
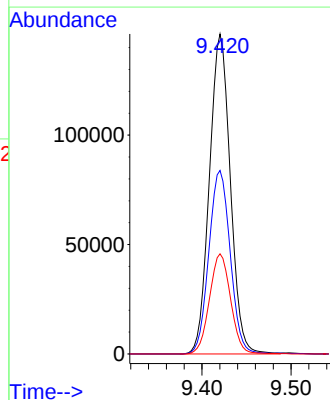
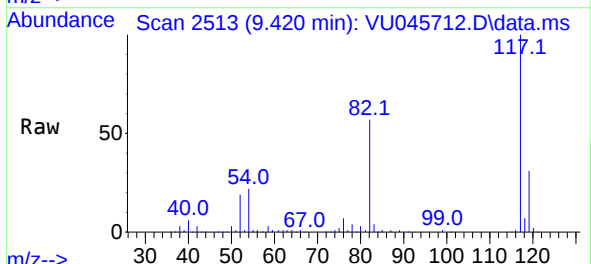
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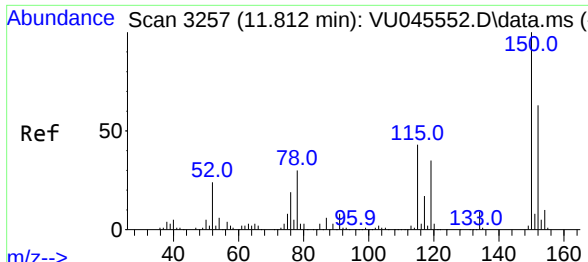
Tgt Ion: 95 Resp: 116167  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 141.8  
176 71.0 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045712.D  
Acq: 11 Nov 2021 01:22

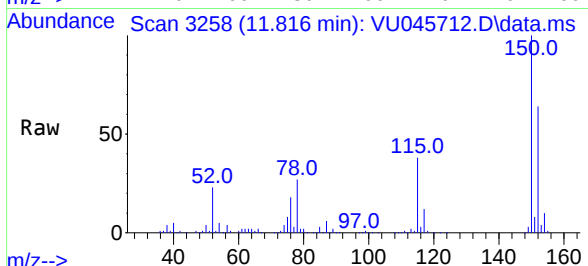
Tgt Ion: 117 Resp: 238511  
Ion Ratio Lower Upper  
117 100  
82 57.4 47.8 71.8  
119 31.3 25.8 38.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.816 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU045712.D  
 Acq: 11 Nov 2021 01:22

Instrument :  
 MSVOA\_U  
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Tgt Ion:152 Resp: 119856  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 42.7 128.1  
 150 155.9 0.0 346.8

