

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063022\  
 Data File : VU049575.D  
 Acq On : 30 Jun 2022 19:54  
 Operator : SY/MD  
 Sample : N3458-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RE122D1-20220621

Quant Time: Jul 01 05:27:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

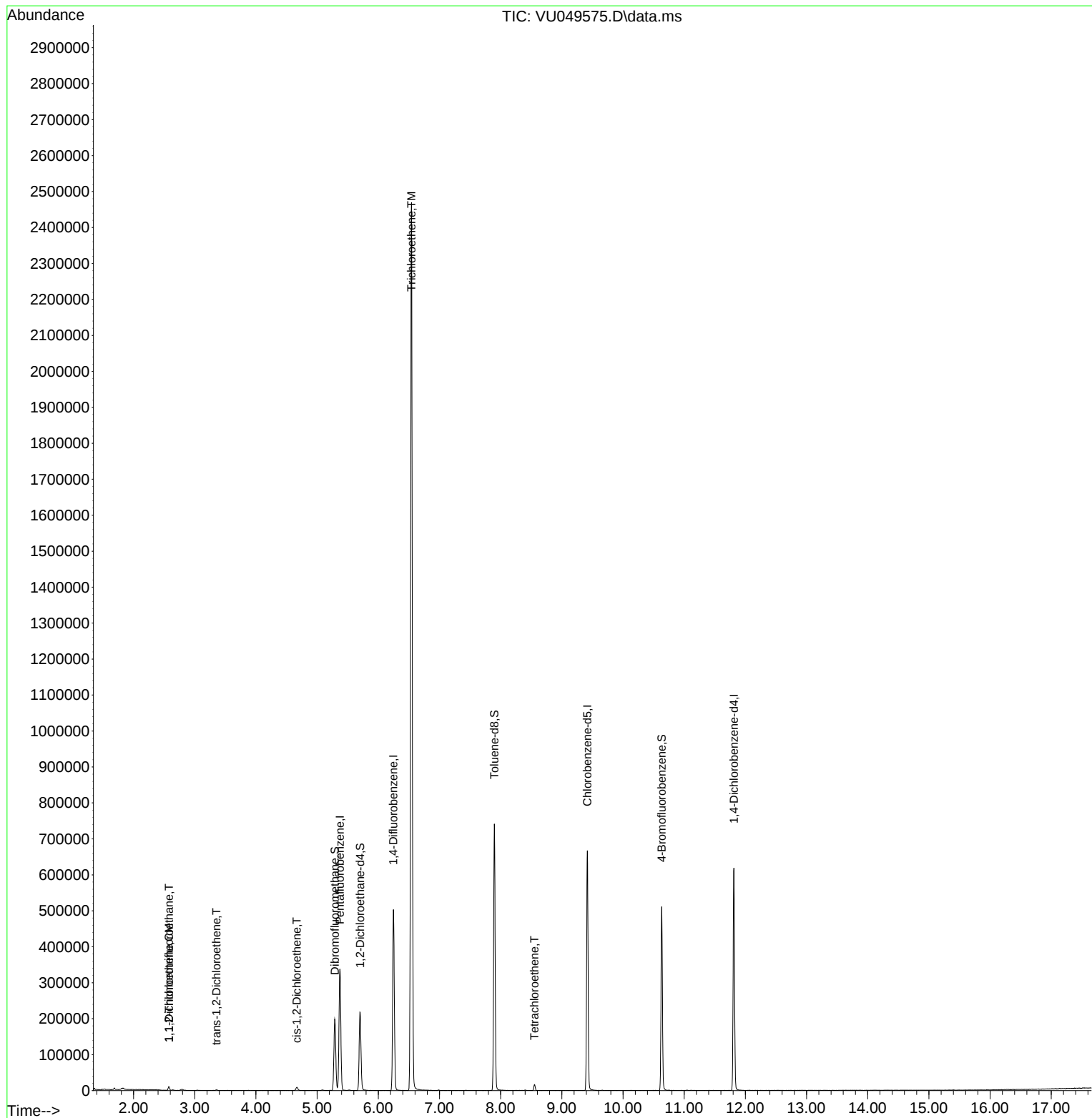
| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.372  | 168   | 231203   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.247  | 114   | 404354   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 362775   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 163473   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.703  | 65    | 164745   | 46.268   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 92.540%  |
| 35) Dibromofluoromethane     | 5.289  | 113   | 129339   | 45.720   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 91.440%  |
| 50) Toluene-d8               | 7.896  | 98    | 488025   | 48.366   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 96.740%  |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 170334   | 44.069   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 88.140%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.578  | 101   | 3104     | 1.210    | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 2.578  | 96    | 1147     | 0.457    | ug/l  | 89       |
| 21) trans-1,2-Dichloroethene | 3.353  | 96    | 857      | 0.317    | ug/l  | 91       |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96    | 5094     | 1.629    | ug/l  | 98       |
| 44) Trichloroethene          | 6.542  | 130   | 818312   | 277.955  | ug/l  | 87       |
| 64) Tetrachloroethene        | 8.552  | 164   | 3688     | 1.585    | ug/l  | 83       |
| -----                        |        |       |          |          |       |          |

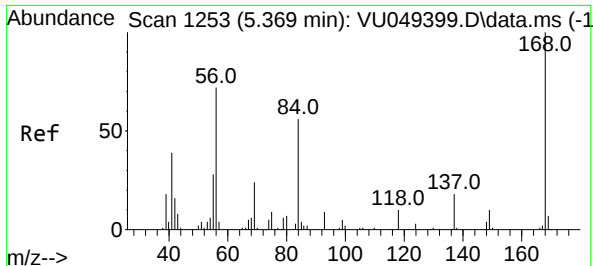
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
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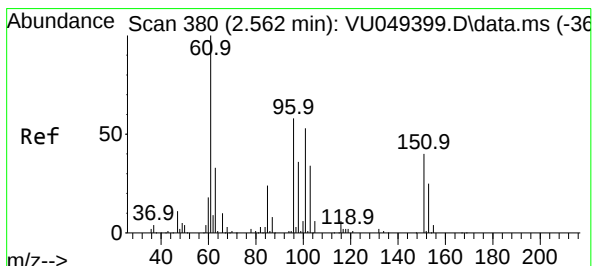
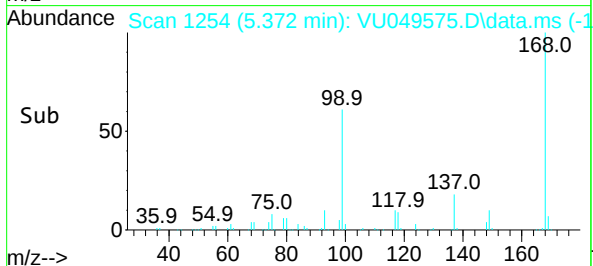
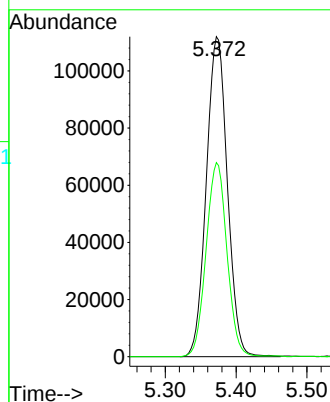
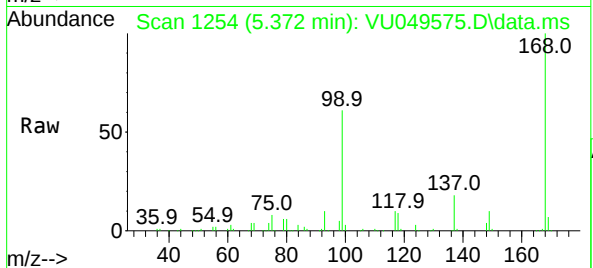




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

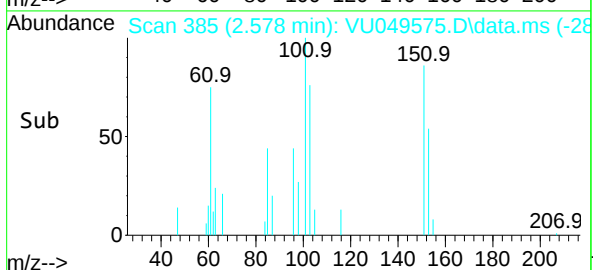
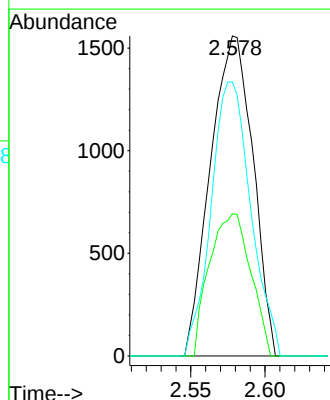
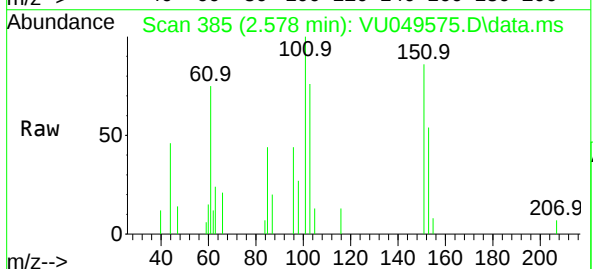
Instrument :  
MSVOA\_U  
ClientSampleId :  
RE122D1-20220621

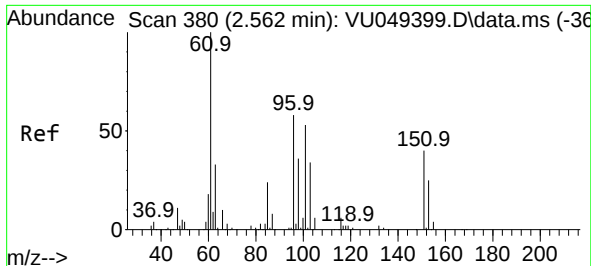
Tgt Ion:168 Resp: 231203  
Ion Ratio Lower Upper  
168 100  
99 60.7 39.3 58.9#



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.210 ug/l  
RT: 2.578 min Scan# 385  
Delta R.T. 0.016 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

Tgt Ion:101 Resp: 3104  
Ion Ratio Lower Upper  
101 100  
85 43.1 33.9 50.9  
151 80.0 64.0 96.0





#12

1,1-Dichloroethene

Concen: 0.457 ug/l

RT: 2.578 min Scan# 380

Delta R.T. 0.016 min

Lab File: VU049575.D

Acq: 30 Jun 2022 19:54

Instrument :

MSVOA\_U

ClientSampleId :

RE122D1-20220621

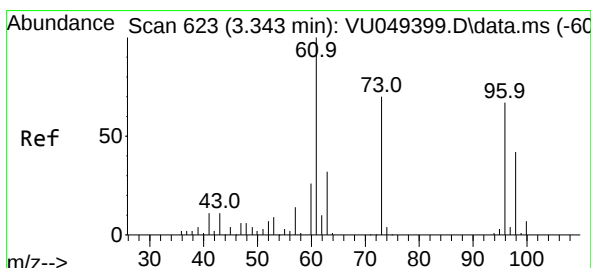
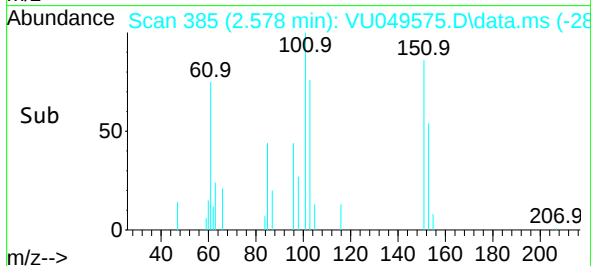
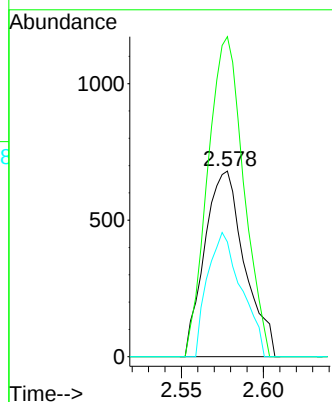
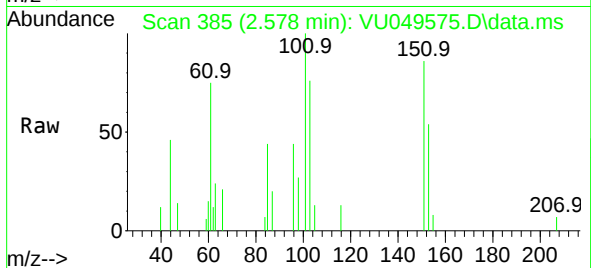
Tgt Ion: 96 Resp: 1147

Ion Ratio Lower Upper

96 100

61 172.4 122.2 183.2

98 61.8 50.7 76.1



#21

trans-1,2-Dichloroethene

Concen: 0.317 ug/l

RT: 3.353 min Scan# 626

Delta R.T. 0.010 min

Lab File: VU049575.D

Acq: 30 Jun 2022 19:54

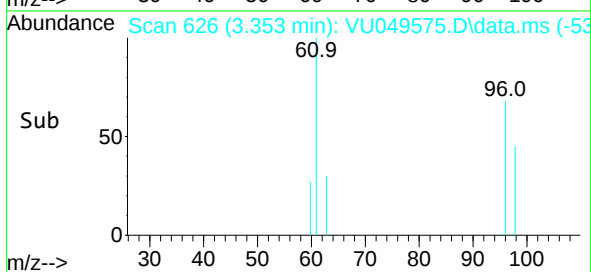
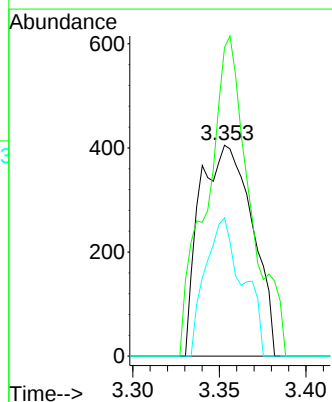
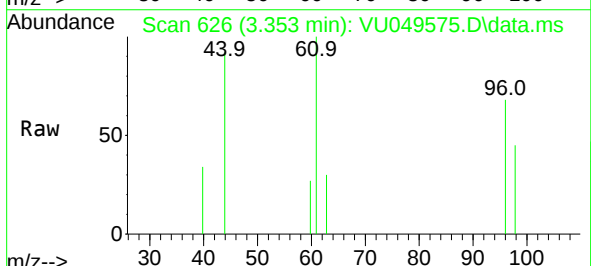
Tgt Ion: 96 Resp: 857

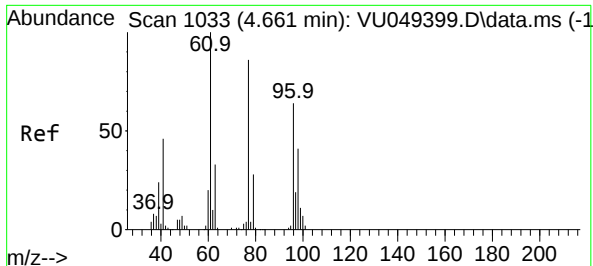
Ion Ratio Lower Upper

96 100

61 146.4 106.1 159.1

98 65.7 50.8 76.2





#27

cis-1,2-Dichloroethene

Concen: 1.629 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU049575.D

Acq: 30 Jun 2022 19:54

Instrument :

MSVOA\_U

ClientSampleId :

RE122D1-20220621

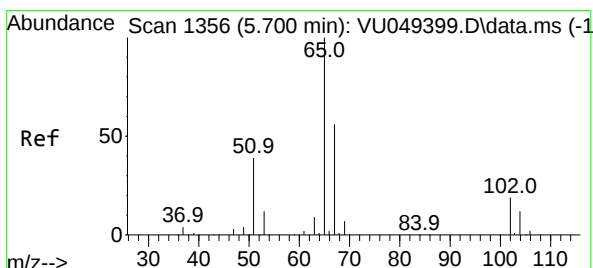
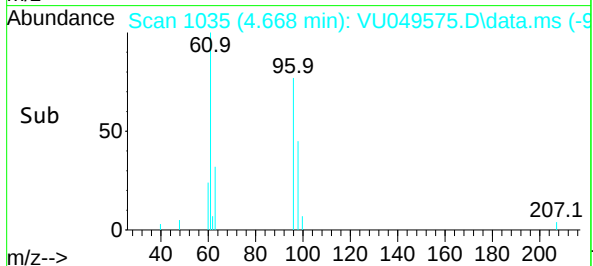
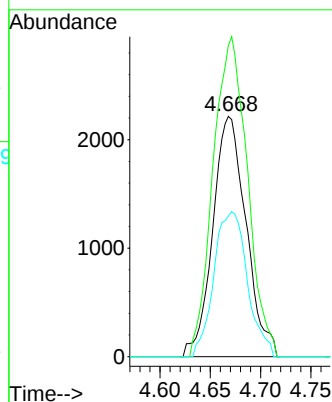
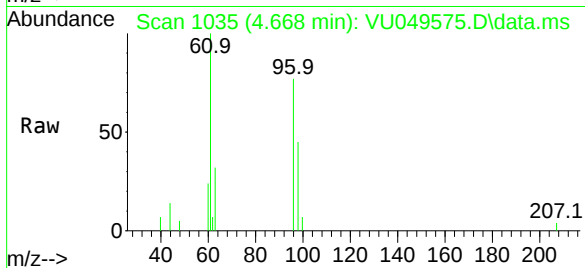
Tgt Ion: 96 Resp: 5094

Ion Ratio Lower Upper

96 100

61 137.4 0.0 271.6

98 60.8 0.0 128.2



#33

1,2-Dichloroethane-d4

Concen: 46.268 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049575.D

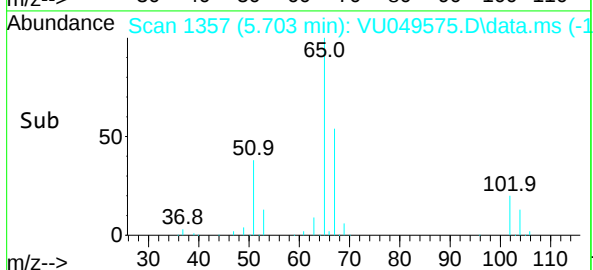
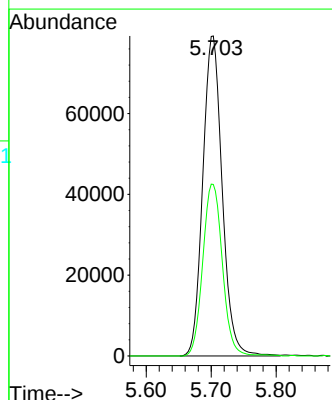
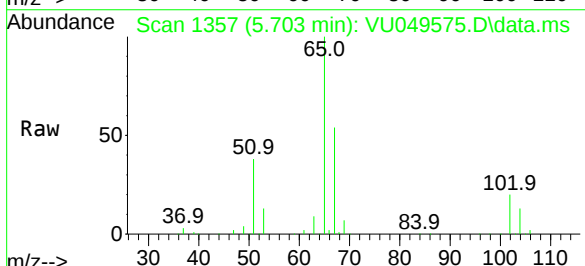
Acq: 30 Jun 2022 19:54

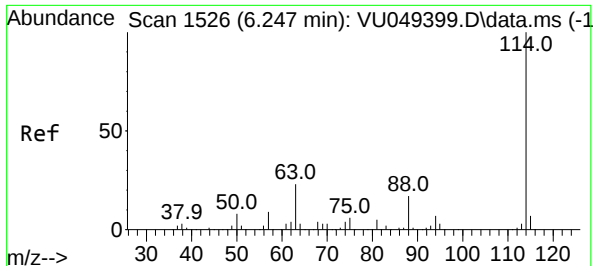
Tgt Ion: 65 Resp: 164745

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049575.D

Acq: 30 Jun 2022 19:54

Instrument :

MSVOA\_U

ClientSampleId :

RE122D1-20220621

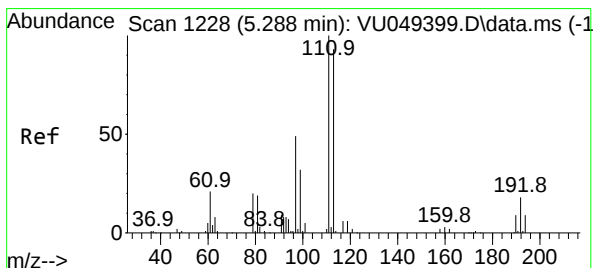
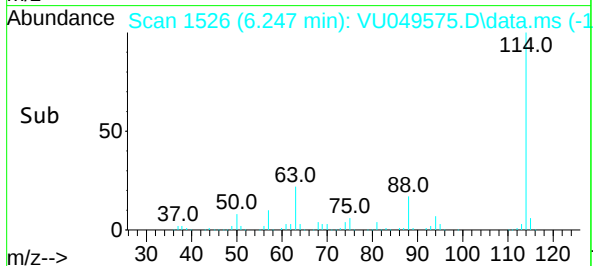
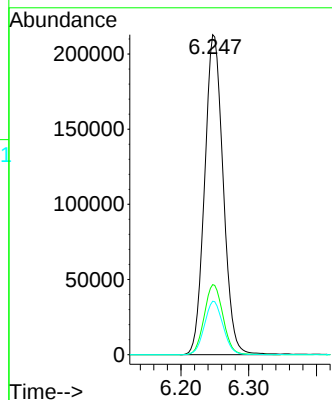
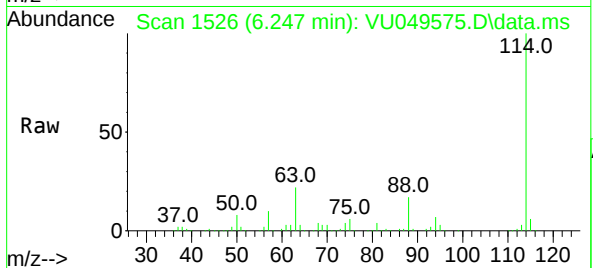
Tgt Ion:114 Resp: 404354

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.720 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049575.D

Acq: 30 Jun 2022 19:54

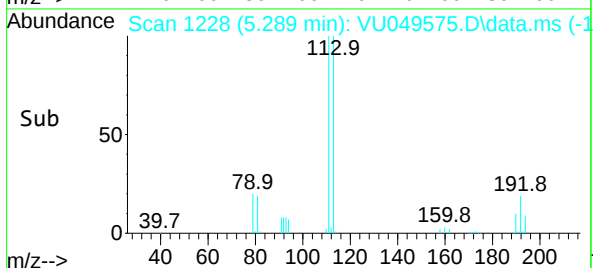
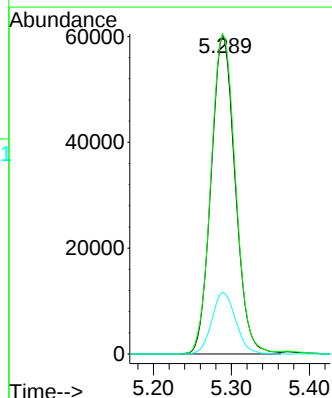
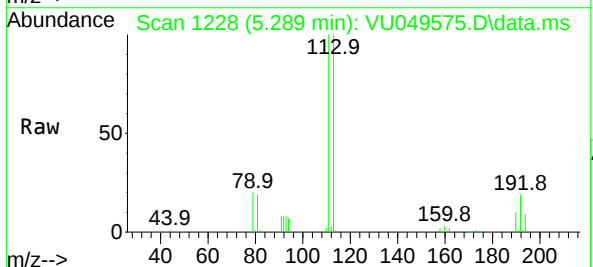
Tgt Ion:113 Resp: 129339

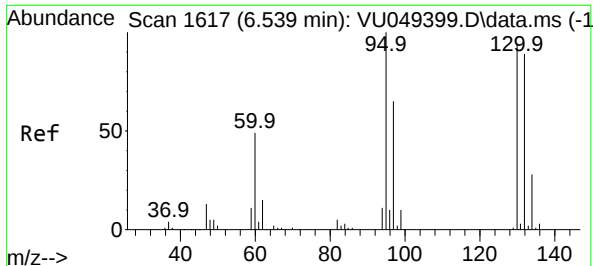
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 19.1 18.0 27.0

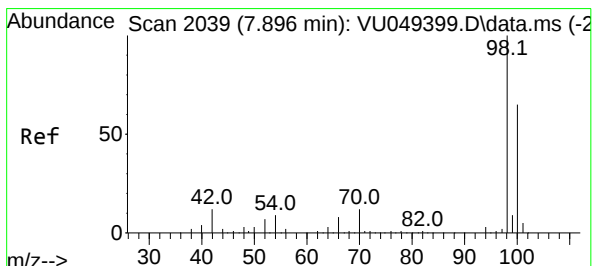
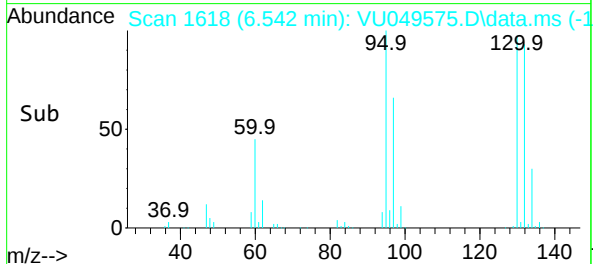
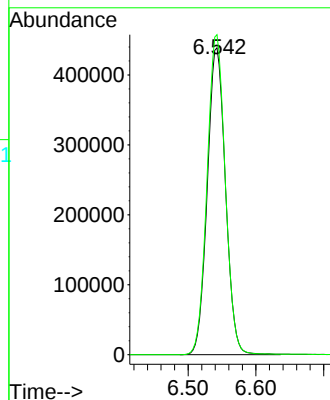
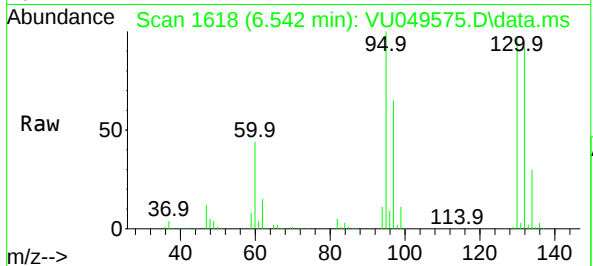




#44  
Trichloroethene  
Concen: 277.955 ug/l  
RT: 6.542 min Scan# 10  
Delta R.T. 0.003 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

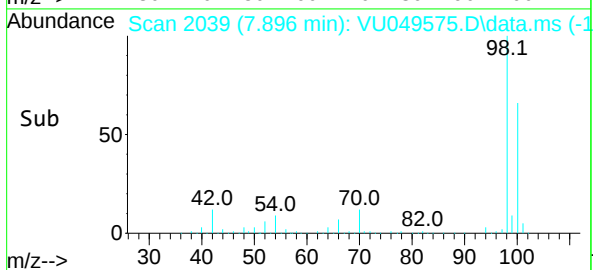
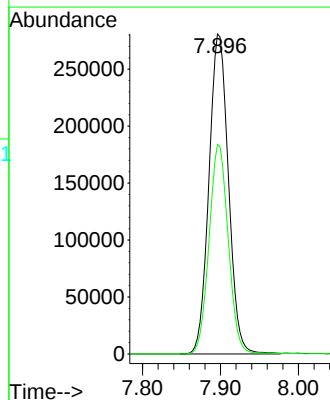
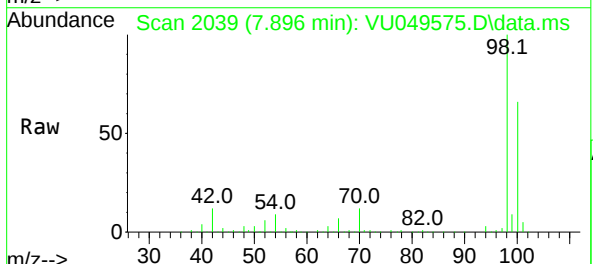
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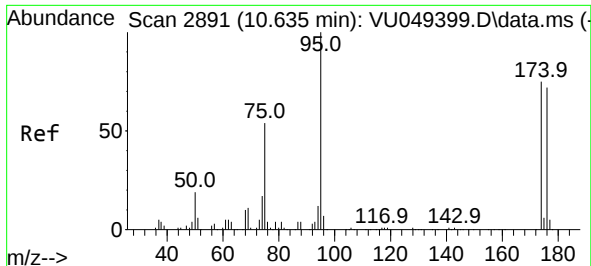
Tgt Ion:130 Resp: 818312  
Ion Ratio Lower Upper  
130 100  
95 104.3 0.0 184.6



#50  
Toluene-d8  
Concen: 48.366 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

Tgt Ion: 98 Resp: 488025  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.7 77.5

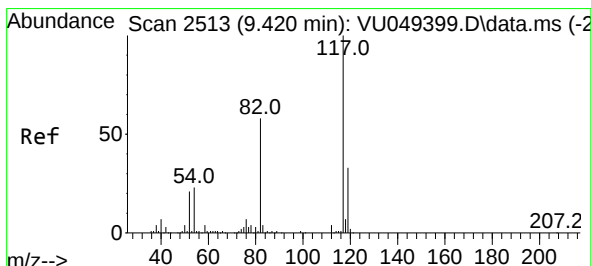
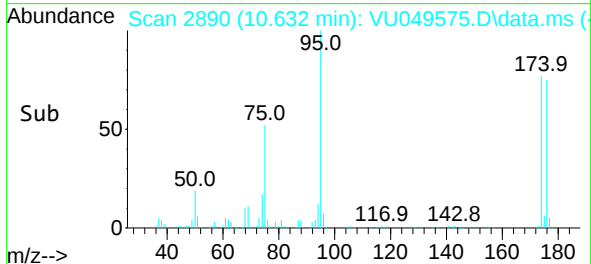
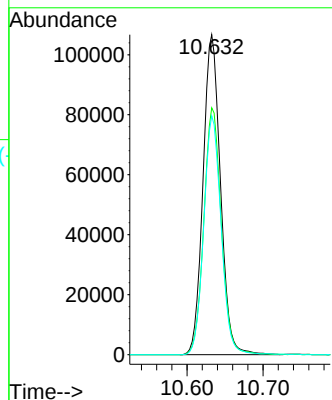
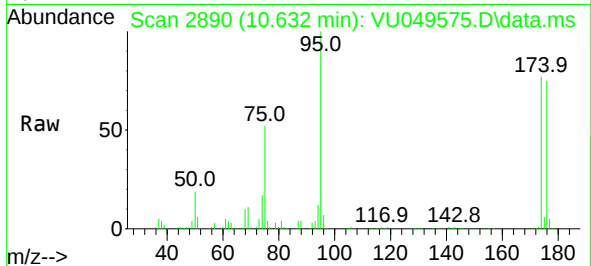




#62  
4-Bromofluorobenzene  
Concen: 44.069 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

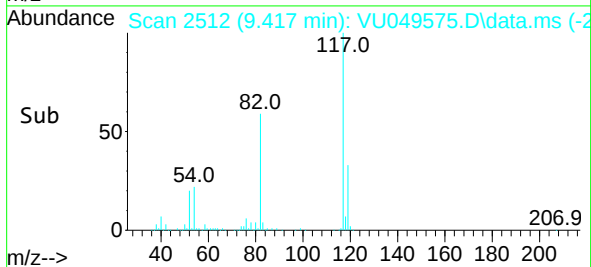
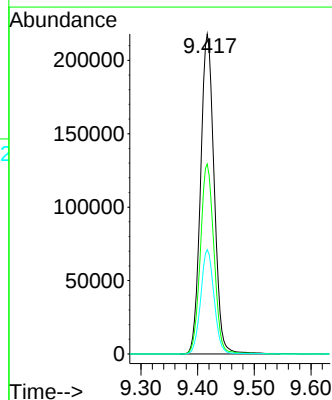
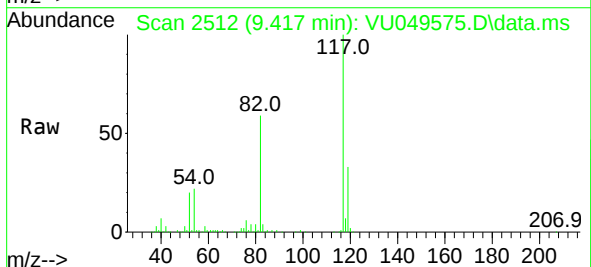
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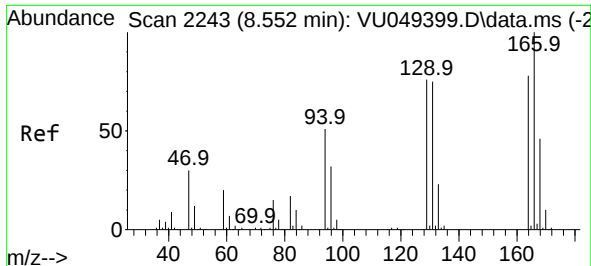
Tgt Ion: 95 Resp: 170334  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 182.0  
176 74.1 0.0 177.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.003 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

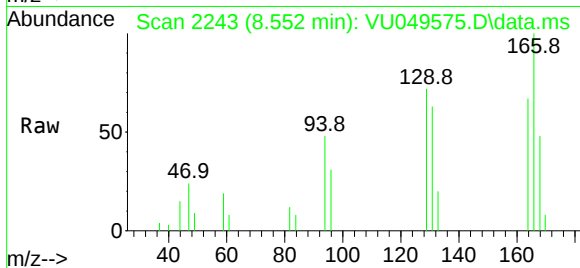
Tgt Ion: 117 Resp: 362775  
Ion Ratio Lower Upper  
117 100  
82 59.4 41.7 62.5  
119 32.6 25.7 38.5



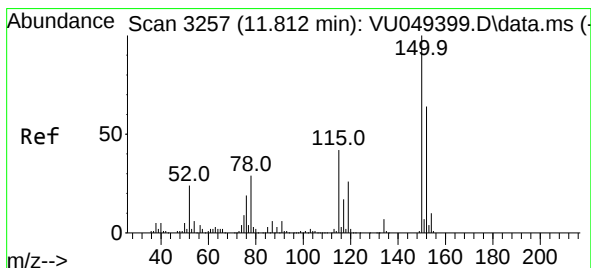
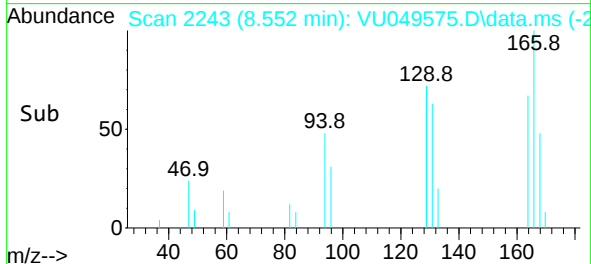
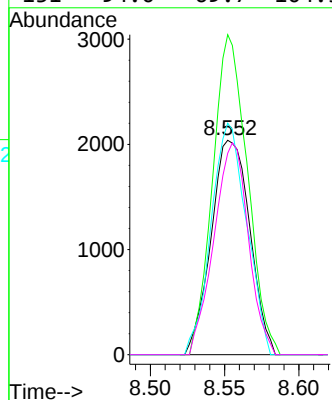


#64  
Tetrachloroethene  
Concen: 1.585 ug/l  
RT: 8.552 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
RE122D1-20220621



Tgt Ion:164 Resp: 3688  
Ion Ratio Lower Upper  
164 100  
166 149.2 100.0 150.0  
129 107.9 72.0 108.0  
131 94.0 69.7 104.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.000 min  
Lab File: VU049575.D  
Acq: 30 Jun 2022 19:54

Tgt Ion:152 Resp: 163473  
Ion Ratio Lower Upper  
152 100  
115 61.8 37.0 110.9  
150 156.1 0.0 342.2

