

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
 Data File : VU045748.D  
 Acq On : 11 Nov 2021 18:55  
 Operator : SY/MD  
 Sample : M4606-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ROOF-DRAIN-20211109

Quant Time: Nov 12 06:12:26 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

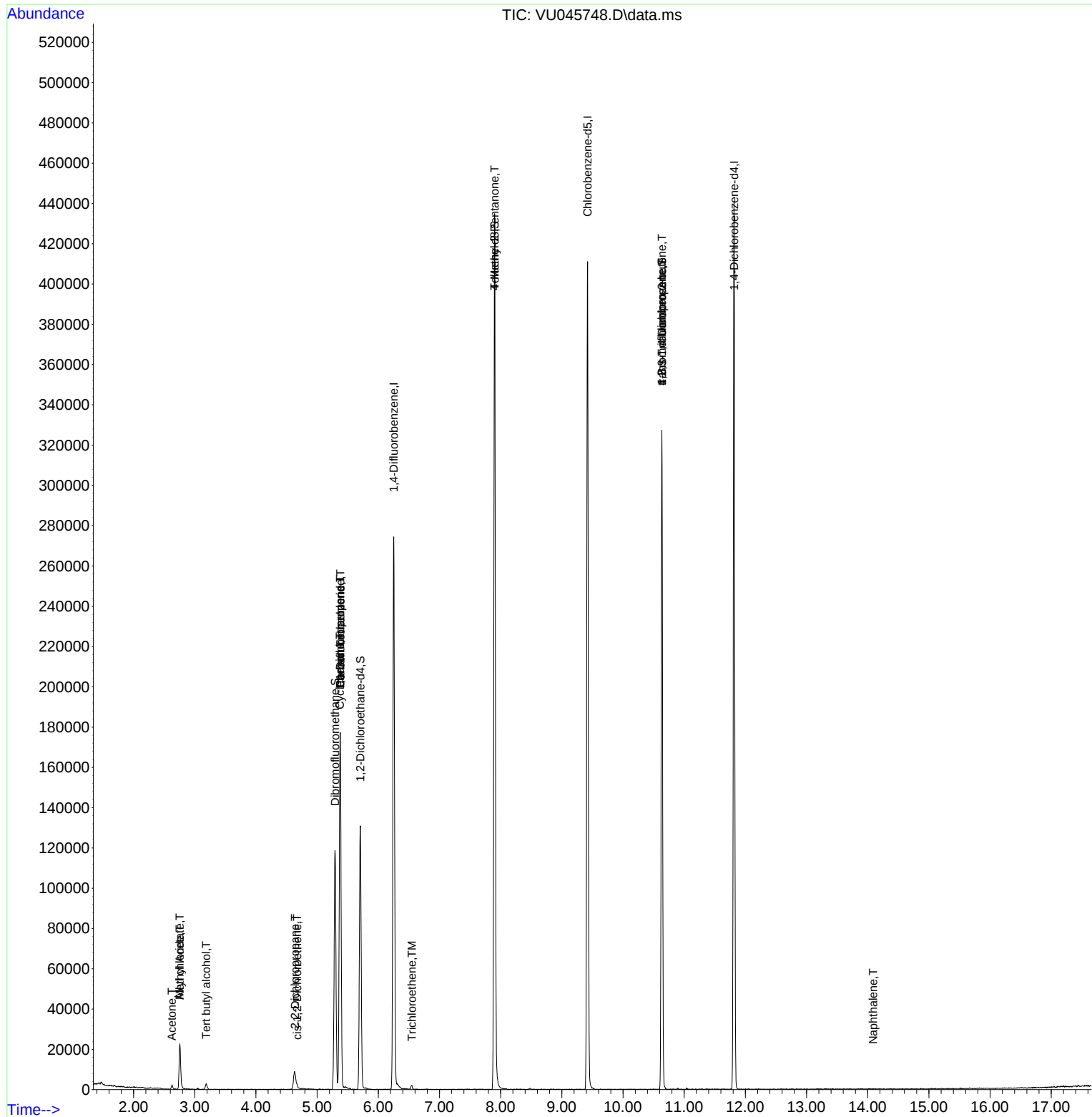
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.378          | 168  | 117021              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253          | 114  | 217457              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.420          | 117  | 224828              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 110507              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.706          | 65   | 96223               | 54.905 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 109.820% |        |        |          |
| 35) Dibromofluoromethane      | 5.292          | 113  | 75447               | 51.966 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 103.940% |        |        |          |
| 50) Toluene-d8                | 7.902          | 98   | 286870              | 53.137 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 106.280% |        |        |          |
| 62) 4-Bromofluorobenzene      | 10.635         | 95   | 107113              | 49.478 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 98.960%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 11) Tert butyl alcohol        | 3.186          | 59   | 1738                | 5.010  | ug/l # | 72       |
| 14) Allyl chloride            | 2.755          | 41   | 2291                | 0.997  | ug/l # | 66       |
| 16) Acetone                   | 2.626          | 43   | 2360                | 2.645  | ug/l   | 94       |
| 18) Methyl Acetate            | 2.755          | 43   | 6276                | 2.065  | ug/l # | 50       |
| 26) 2,2-Dichloropropane       | 4.639          | 77   | 536                 | 0.240  | ug/l # | 53       |
| 27) cis-1,2-Dichloroethene    | 4.674          | 96   | 520                 | 0.331  | ug/l   | 82       |
| 31) Cyclohexane               | 5.372          | 56   | 2556                | 1.000  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.375          | 75   | 10913               | 5.147  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.378          | 117  | 12948               | 6.057  | ug/l # | 16       |
| 44) Trichloroethene           | 6.549          | 130  | 780                 | 0.519  | ug/l   | 81       |
| 51) 4-Methyl-2-Pentanone      | 7.902          | 43   | 1172                | 0.477  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 10.635         | 75   | 56845               | 16.963 | ug/l # | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.635         | 75   | 56845               | 55.235 | ug/l # | 12       |
| 95) Naphthalene               | 14.089         | 128  | 21                  | 1.031  | ug/l # | 69       |
| -----                         |                |      |                     |        |        |          |

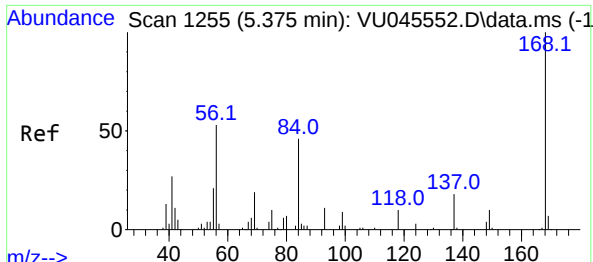
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
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Sample : M4606-12  
Misc : 5.0mL/MSVOA\_U/WATER  
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Instrument :  
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ClientSampleId :  
ROOF-DRAIN-20211109

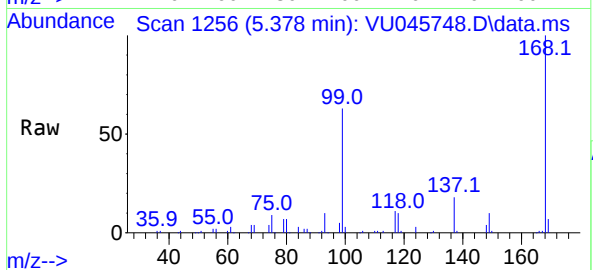
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration



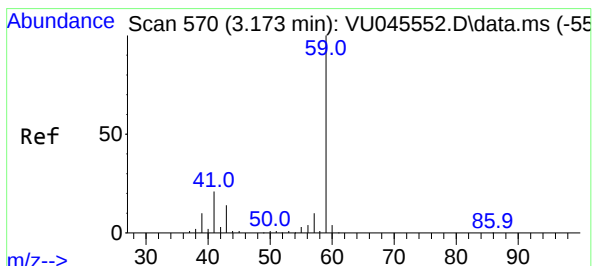
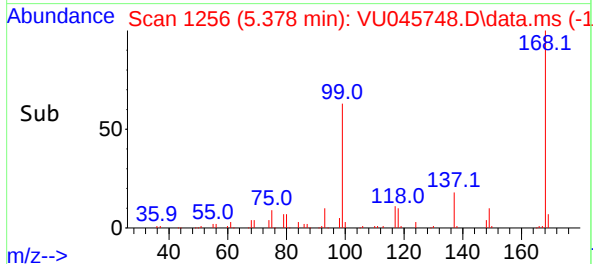
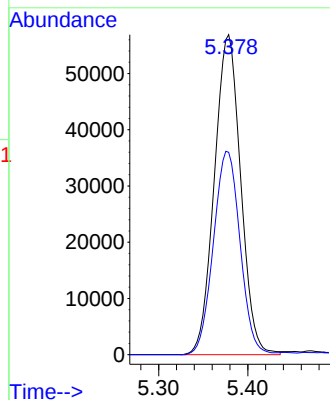


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
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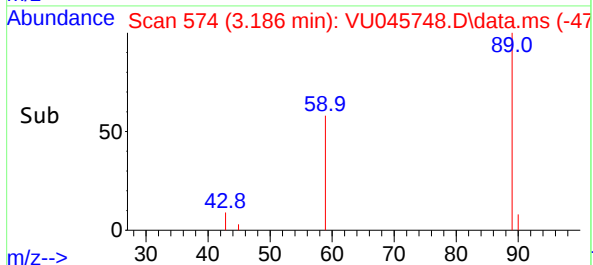
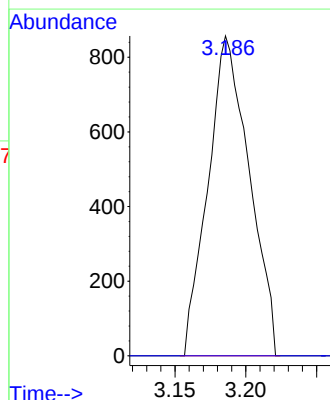
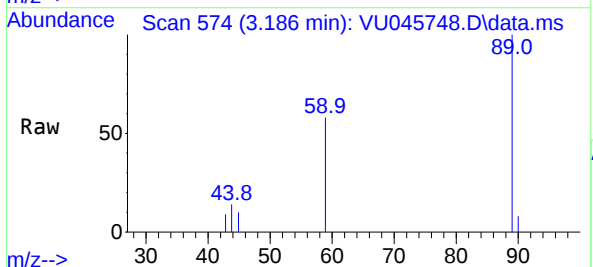


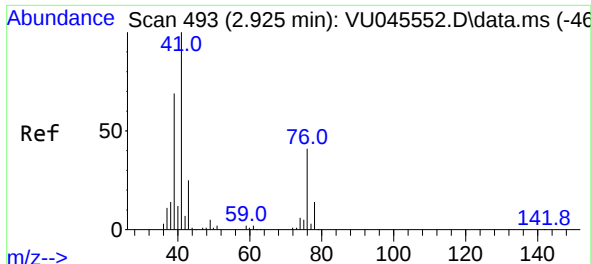
Tgt Ion:168 Resp: 117021  
Ion Ratio Lower Upper  
168 100  
99 63.3 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 5.010 ug/l  
RT: 3.186 min Scan# 574  
Delta R.T. 0.013 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 59 Resp: 1738  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

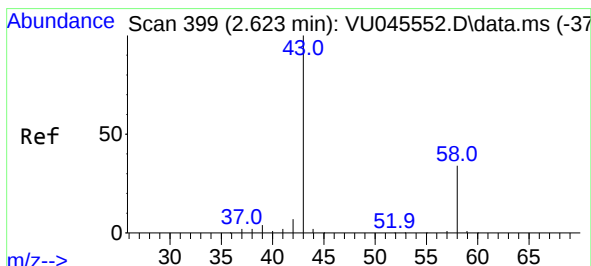
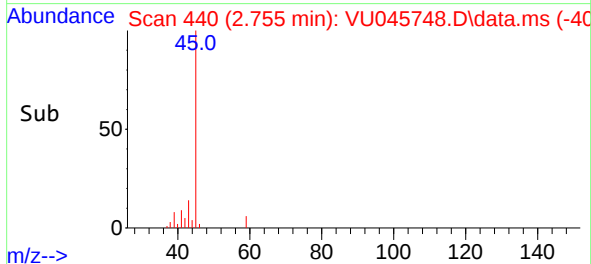
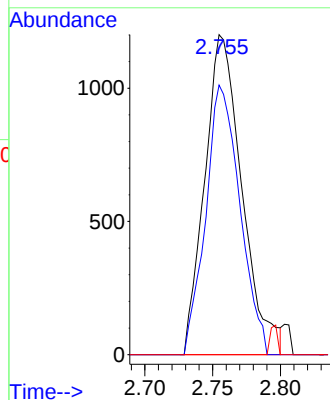
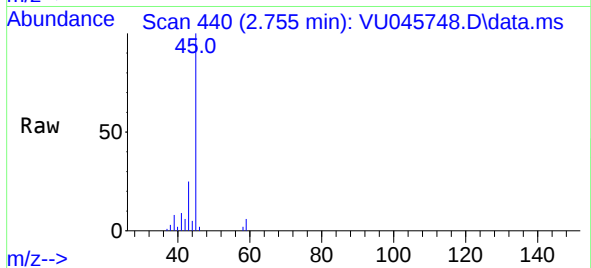




#14  
Allyl chloride  
Concen: 0.997 ug/l  
RT: 2.755 min Scan# 41  
Delta R.T. -0.170 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

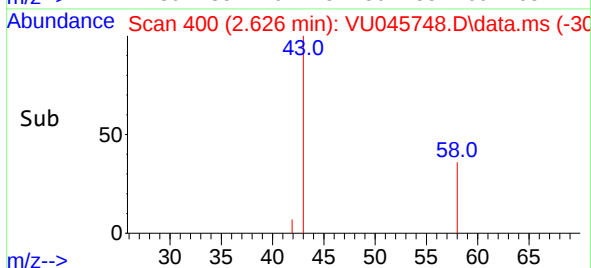
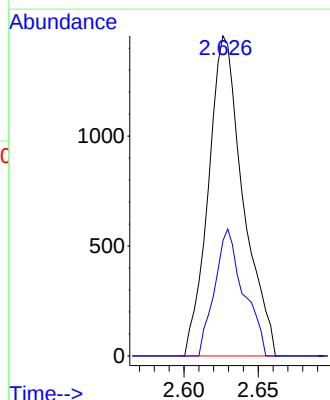
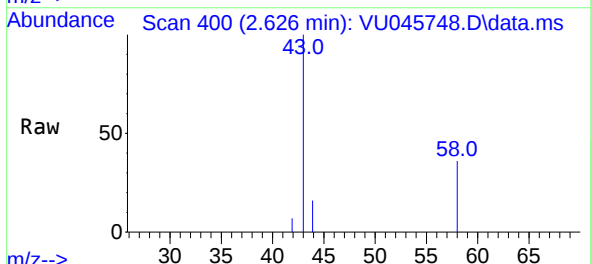
Instrument :  
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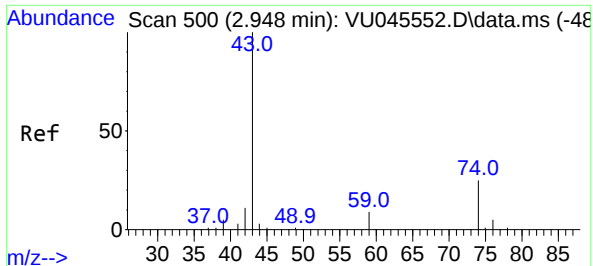
Tgt Ion: 41 Resp: 2291  
Ion Ratio Lower Upper  
41 100  
39 77.4 49.7 74.5#  
76 0.0 27.7 41.5#



#16  
Acetone  
Concen: 2.645 ug/l  
RT: 2.626 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 43 Resp: 2360  
Ion Ratio Lower Upper  
43 100  
58 36.0 26.2 39.2

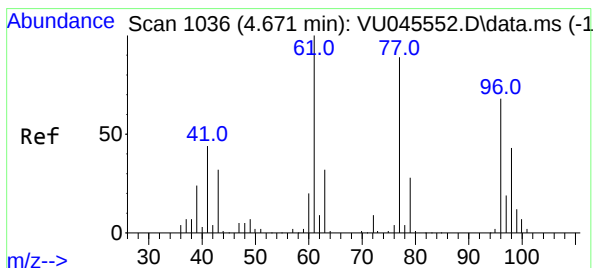
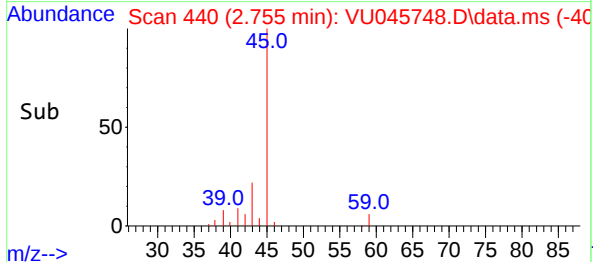
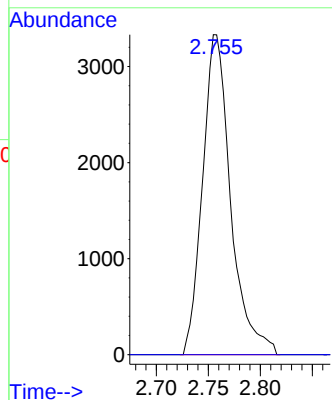
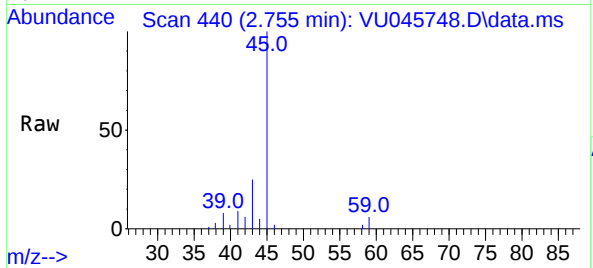




#18  
Methyl Acetate  
Concen: 2.065 ug/l  
RT: 2.755 min Scan# 44  
Delta R.T. -0.193 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

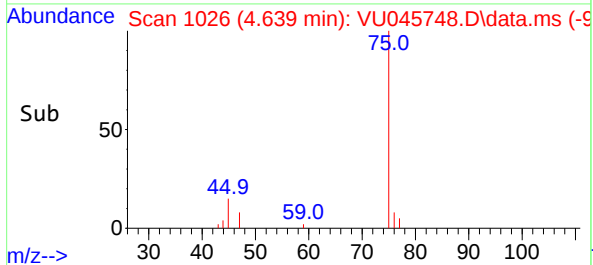
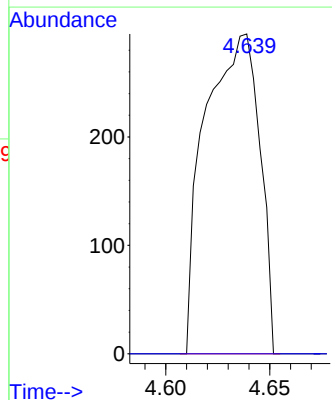
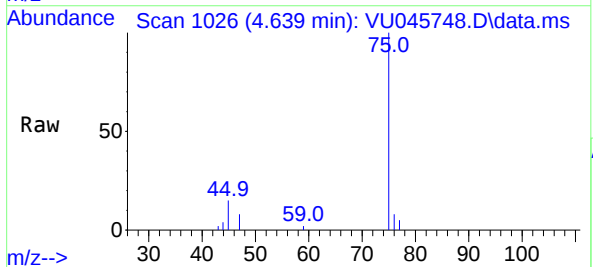
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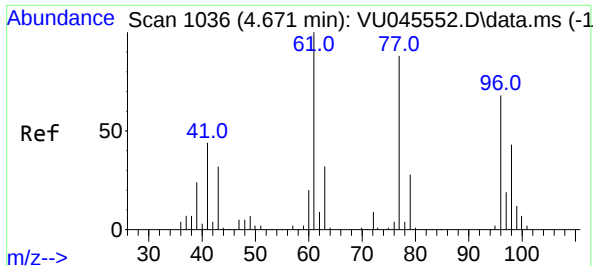
Tgt Ion: 43 Resp: 6276  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



#26  
2,2-Dichloropropane  
Concen: 0.240 ug/l  
RT: 4.639 min Scan# 1026  
Delta R.T. -0.032 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 77 Resp: 536  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.1#

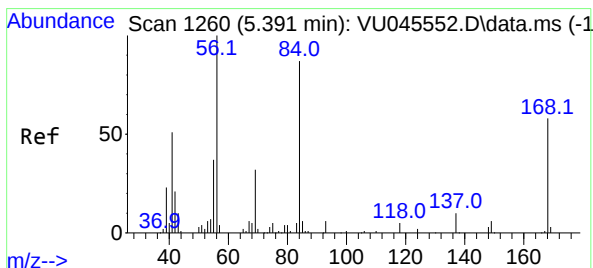
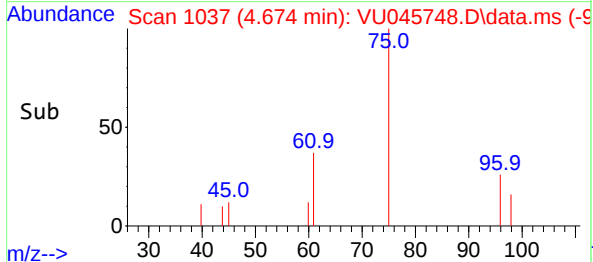
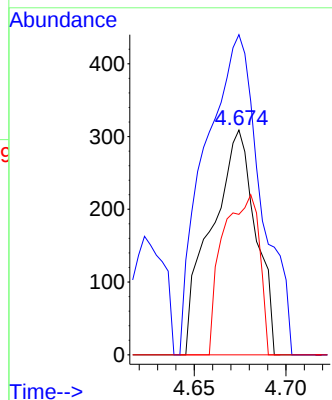
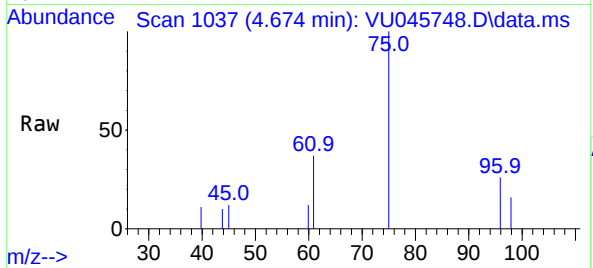




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.331 ug/l  
 RT: 4.674 min Scan# 1036  
 Delta R.T. 0.003 min  
 Lab File: VU045748.D  
 Acq: 11 Nov 2021 18:55

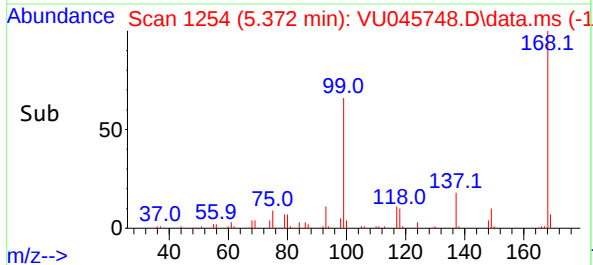
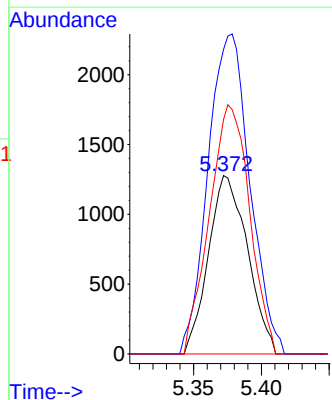
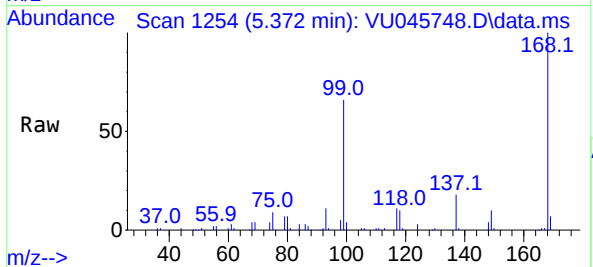
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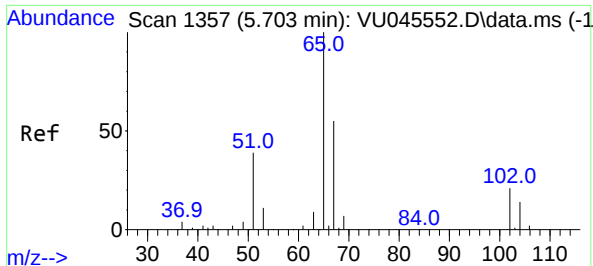
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 520         |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 179.0 | 0.0 299.2   |
| 98          | 58.7  | 0.0 127.6   |



#31  
 Cyclohexane  
 Concen: 1.000 ug/l  
 RT: 5.372 min Scan# 1254  
 Delta R.T. -0.019 min  
 Lab File: VU045748.D  
 Acq: 11 Nov 2021 18:55

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 56 | Resp: | 2556        |
| Ion         | Ratio | Lower Upper |
| 56          | 100   |             |
| 69          | 170.7 | 26.4 39.6#  |
| 84          | 131.5 | 68.4 102.6# |

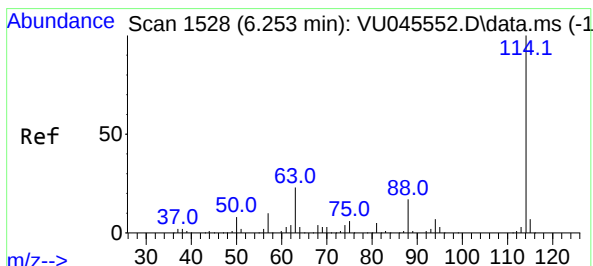
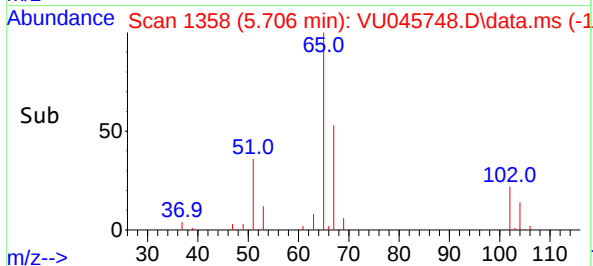
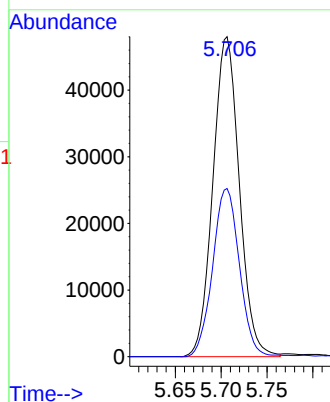
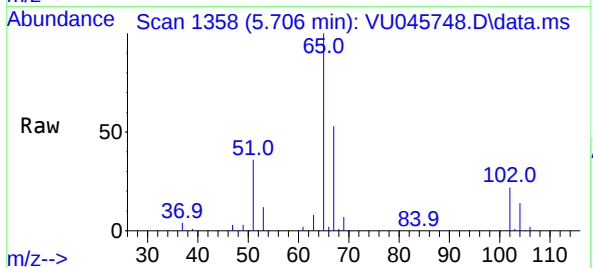




#33  
1,2-Dichloroethane-d4  
Concen: 54.905 ug/l  
RT: 5.706 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

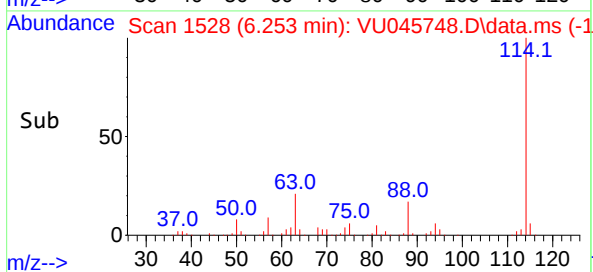
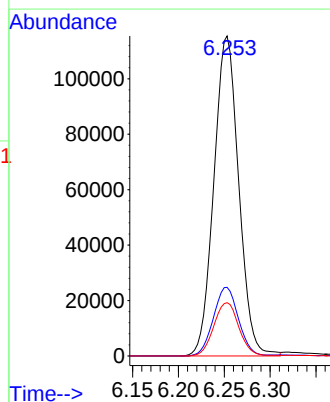
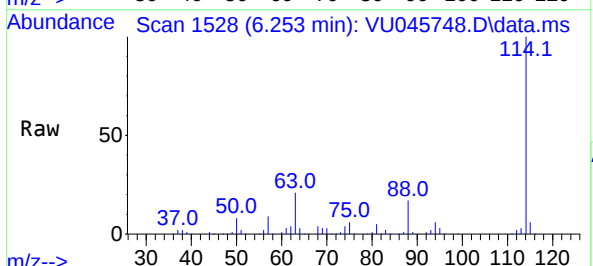
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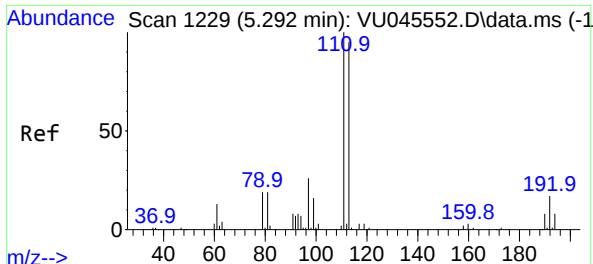
Tgt Ion: 65 Resp: 96223  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 105.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 114 Resp: 217457  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 45.6  
88 16.6 0.0 33.8

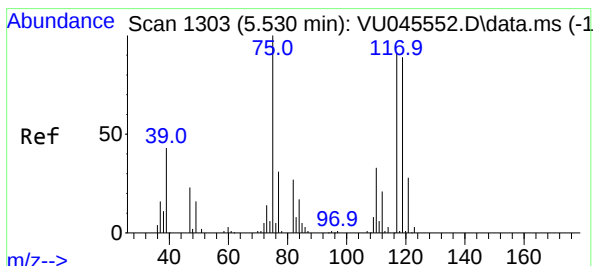
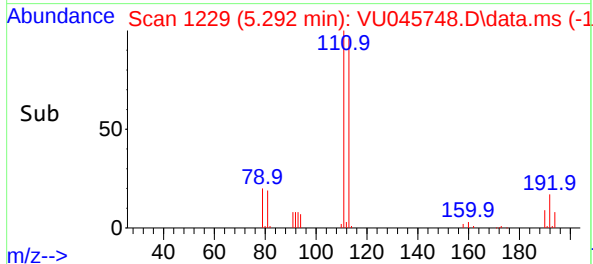
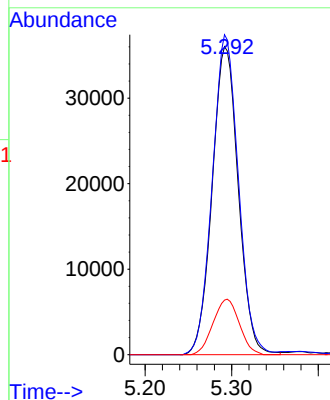
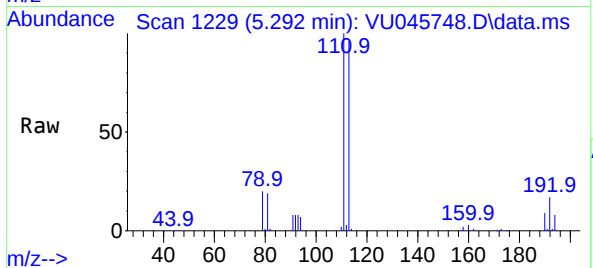




#35  
Dibromofluoromethane  
Concen: 51.966 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

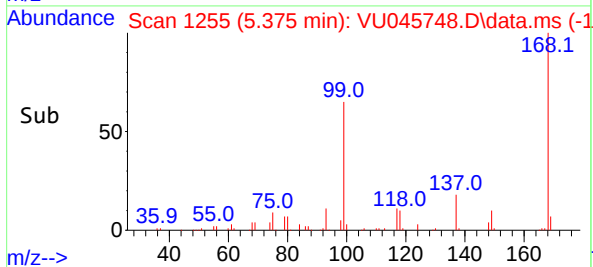
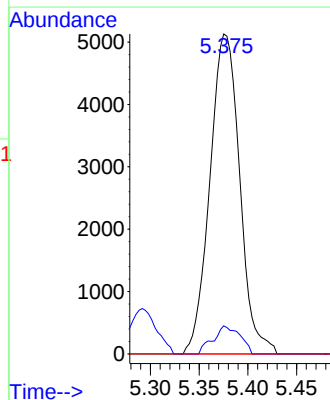
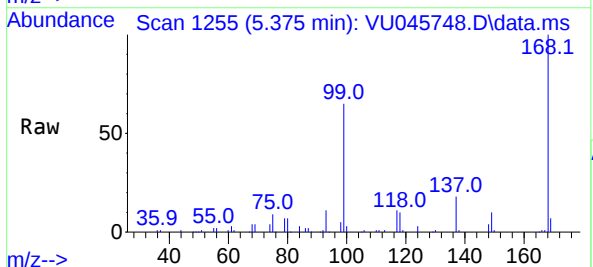
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ROOF-DRAIN-20211109

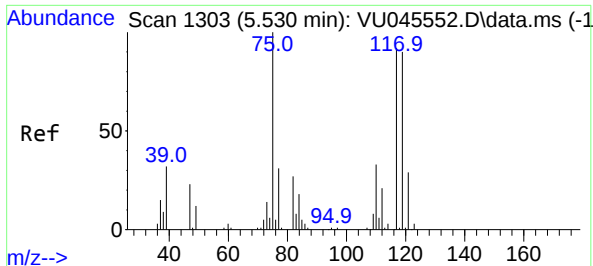
Tgt Ion:113 Resp: 75447  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.8 124.2  
192 18.1 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 5.147 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

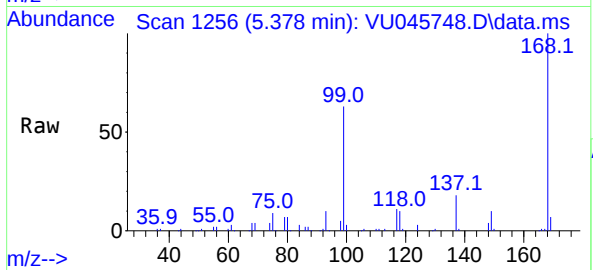
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77 0.0 25.0 37.4#



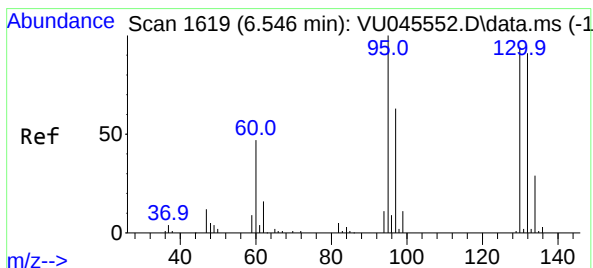
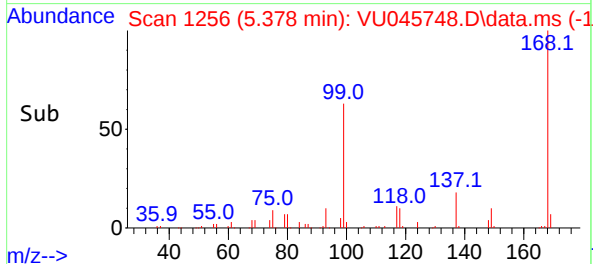
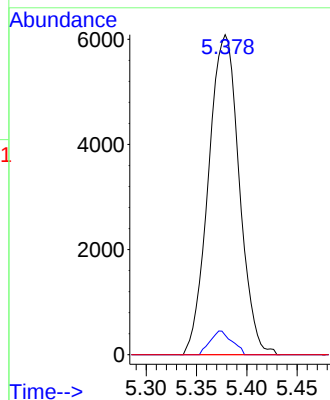


#38  
Carbon Tetrachloride  
Concen: 6.057 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. -0.151 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
ROOF-DRAIN-20211109

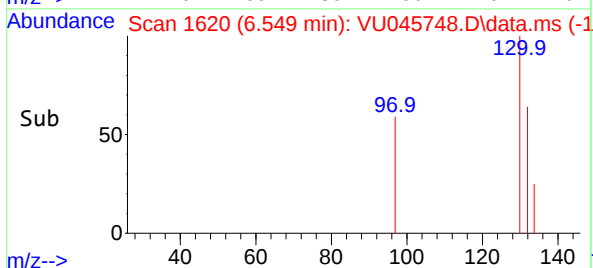
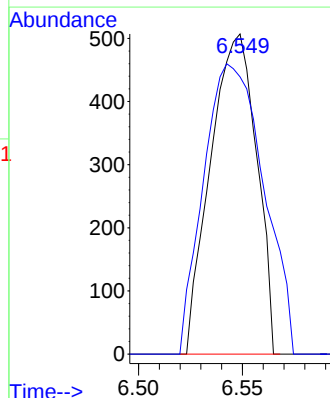
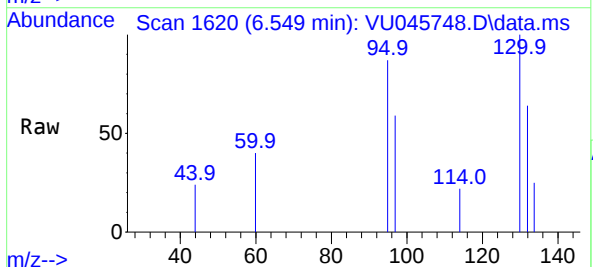


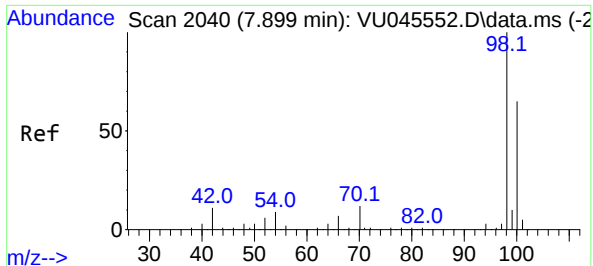
Tgt Ion:117 Resp: 12948  
Ion Ratio Lower Upper  
117 100  
119 6.1 77.4 116.0#  
121 0.0 24.8 37.2#



#44  
Trichloroethene  
Concen: 0.519 ug/l  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion:130 Resp: 780  
Ion Ratio Lower Upper  
130 100  
95 86.6 0.0 211.4

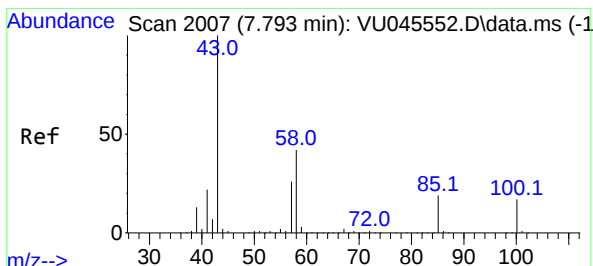
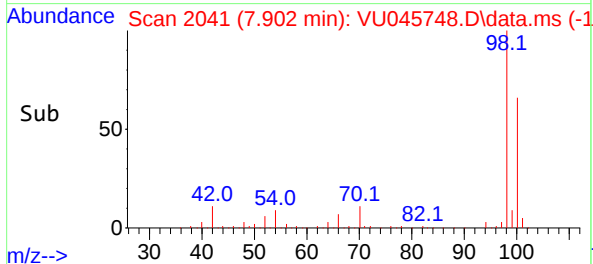
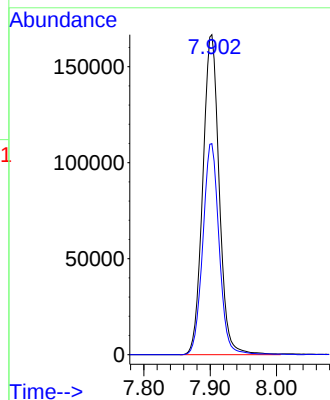
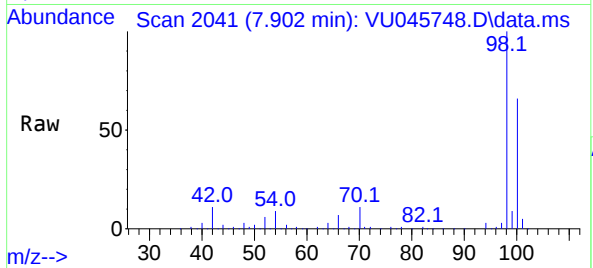




#50  
Toluene-d8  
Concen: 53.137 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

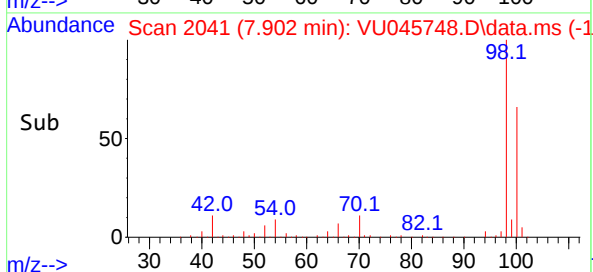
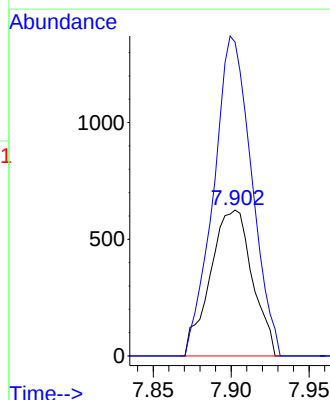
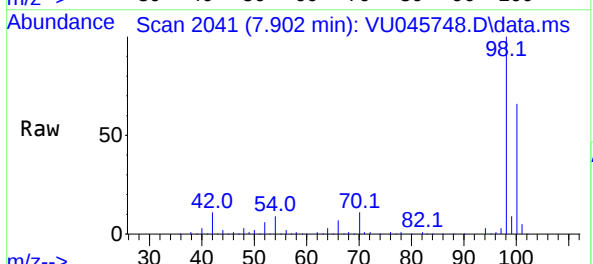
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ClientSampleId :  
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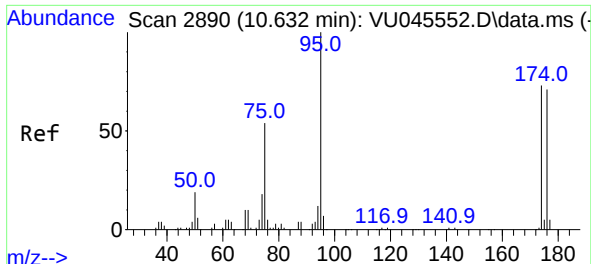
Tgt Ion: 98 Resp: 286870  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.477 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.109 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 43 Resp: 1172  
Ion Ratio Lower Upper  
43 100  
58 198.9 33.8 50.8#

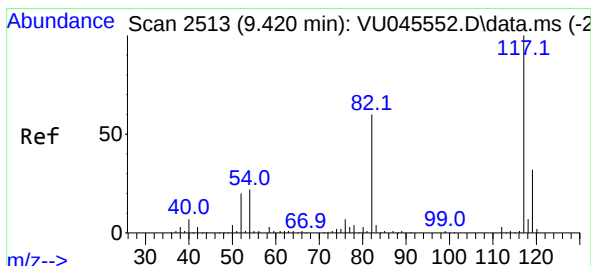
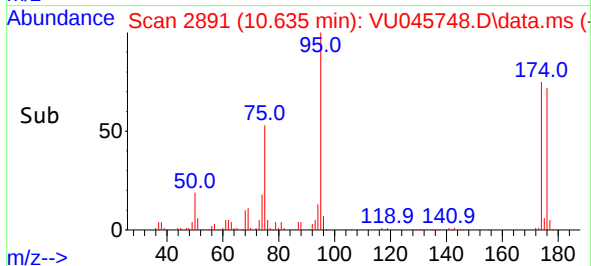
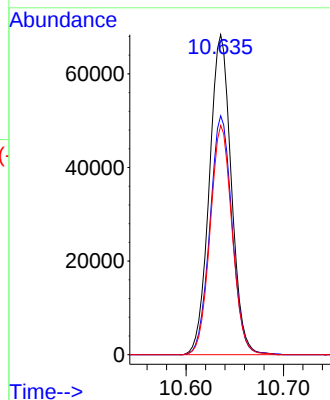
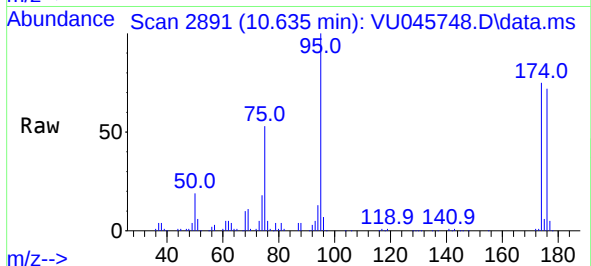




#62  
4-Bromofluorobenzene  
Concen: 49.478 ug/l  
RT: 10.635 min Scan# 2890  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

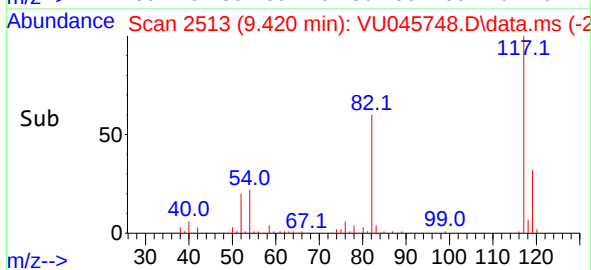
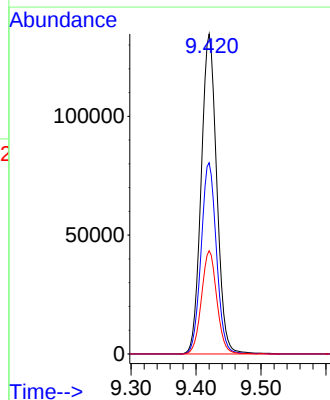
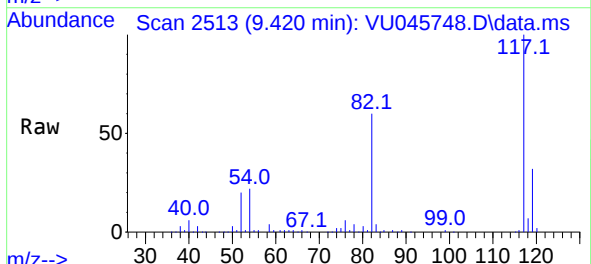
Instrument :  
MSVOA\_U  
ClientSampleId :  
ROOF-DRAIN-20211109

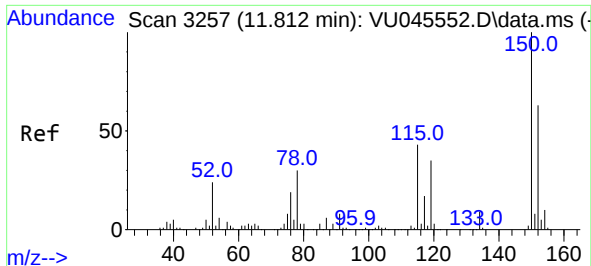
Tgt Ion: 95 Resp: 107113  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 141.8  
176 71.5 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 117 Resp: 224828  
Ion Ratio Lower Upper  
117 100  
82 59.8 47.8 71.8  
119 32.3 25.8 38.8

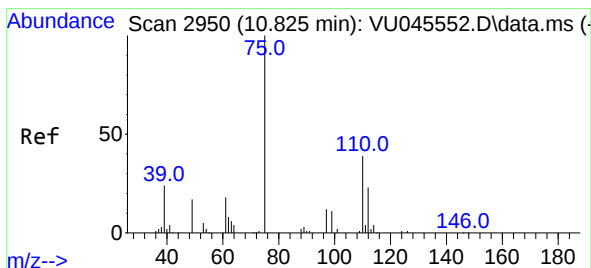
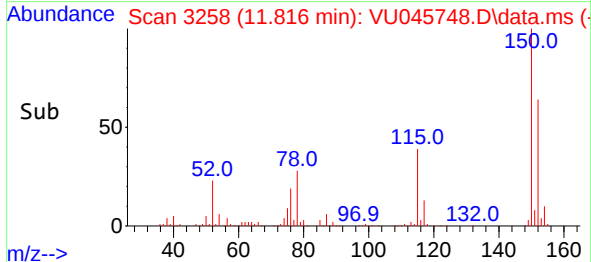
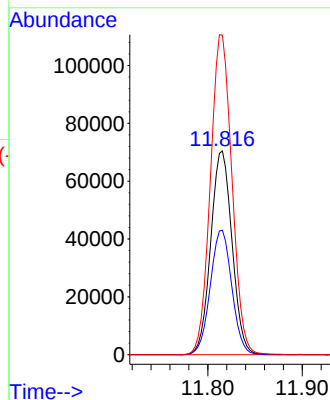
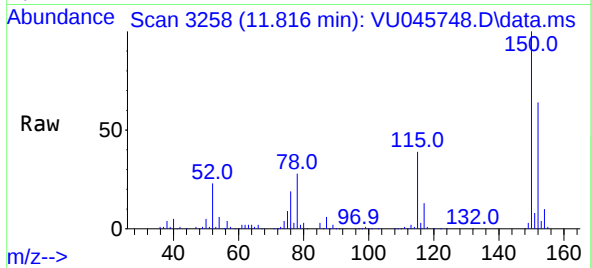




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

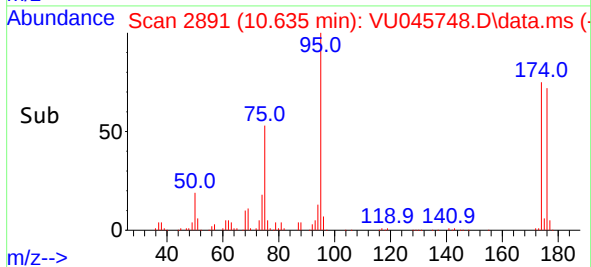
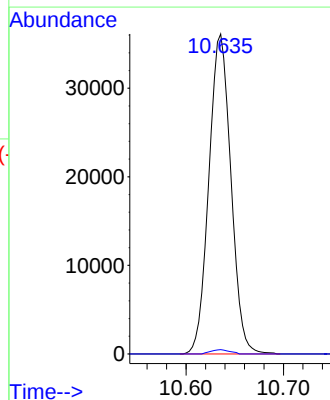
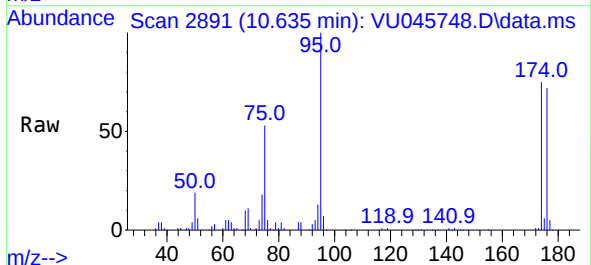
Instrument :  
MSVOA\_U  
ClientSampleId :  
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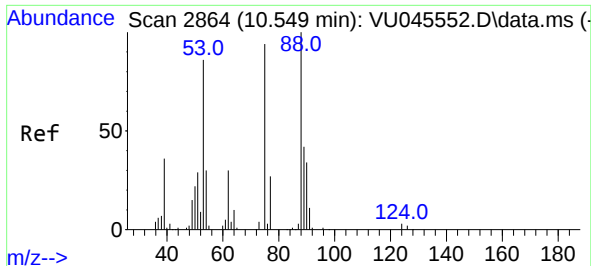
Tgt Ion:152 Resp: 110507  
Ion Ratio Lower Upper  
152 100  
115 61.6 42.7 128.1  
150 158.4 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 16.963 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion: 75 Resp: 56845  
Ion Ratio Lower Upper  
75 100  
77 1.2 17.1 51.3#

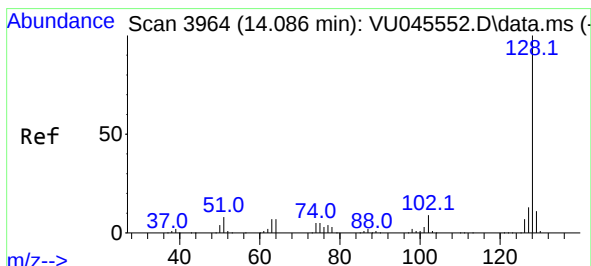
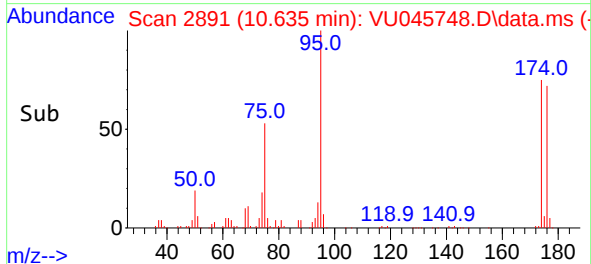
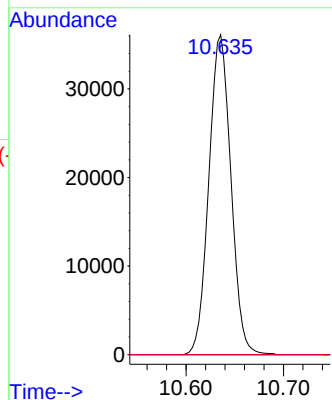
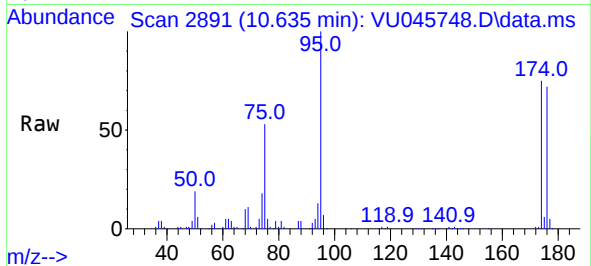




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.235 ug/l  
RT: 10.635 min Scan# 21  
Delta R.T. 0.086 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
ROOF-DRAIN-20211109

Tgt Ion: 75 Resp: 56845  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#95  
Naphthalene  
Concen: 1.031 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU045748.D  
Acq: 11 Nov 2021 18:55

Tgt Ion:128 Resp: 21  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 13.0#

