

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
 Data File : VU045582.D  
 Acq On : 06 Nov 2021 00:59  
 Operator : SY/MD  
 Sample : M4508-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BP-VPB-RW9-GW-518-520

Quant Time: Nov 06 21:50:35 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

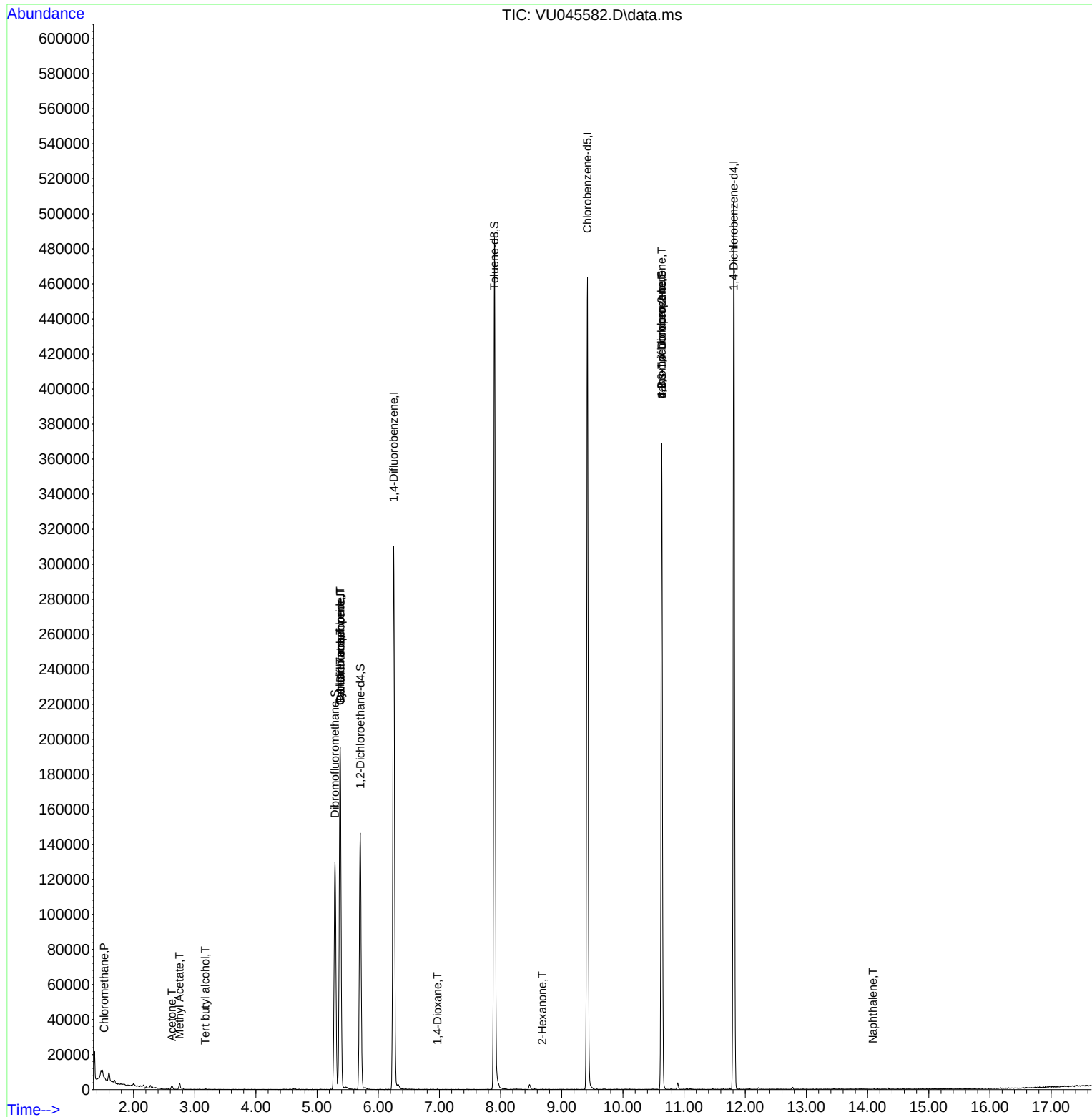
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.378          | 168  | 127902              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253          | 114  | 244725              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.420          | 117  | 248506              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 123616              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.706          | 65   | 109386              | 57.106 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 114.220% |        |        |          |
| 35) Dibromofluoromethane      | 5.292          | 113  | 83498               | 51.104 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.200% |        |        |          |
| 50) Toluene-d8                | 7.899          | 98   | 323756              | 53.288 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 106.580% |        |        |          |
| 62) 4-Bromofluorobenzene      | 10.635         | 95   | 123286              | 50.604 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 101.200% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 1.520          | 50   | 387                 | 0.204  | ug/l   | 98       |
| 11) Tert butyl alcohol        | 3.169          | 59   | 116                 | 0.306  | ug/l # | 72       |
| 16) Acetone                   | 2.626          | 43   | 2600                | 2.666  | ug/l # | 85       |
| 18) Methyl Acetate            | 2.752          | 43   | 1075                | 0.324  | ug/l # | 50       |
| 31) Cyclohexane               | 5.375          | 56   | 2932                | 1.049  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.378          | 75   | 11665               | 4.888  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.375          | 117  | 13889               | 5.773  | ug/l # | 16       |
| 49) 1,4-Dioxane               | 6.967          | 88   | 44                  | 0.887  | ug/l # | 71       |
| 59) 2-Hexanone                | 8.684          | 43   | 196                 | 7.614  | ug/l # | 21       |
| 76) 1,2,3-Trichloropropane    | 10.635         | 75   | 64428               | 17.187 | ug/l # | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.635         | 75   | 64428               | 55.925 | ug/l # | 12       |
| 95) Naphthalene               | 14.089         | 128  | 744                 | 1.102  | ug/l # | 69       |
| -----                         |                |      |                     |        |        |          |

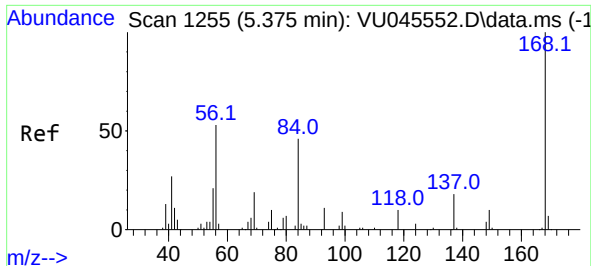
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
Data File : VU045582.D  
Acq On : 06 Nov 2021 00:59  
Operator : SY/MD  
Sample : M4508-06  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

Quant Time: Nov 06 21:50:35 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

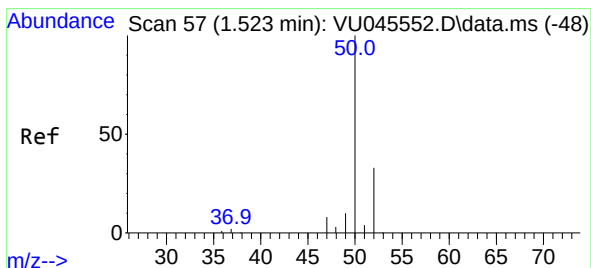
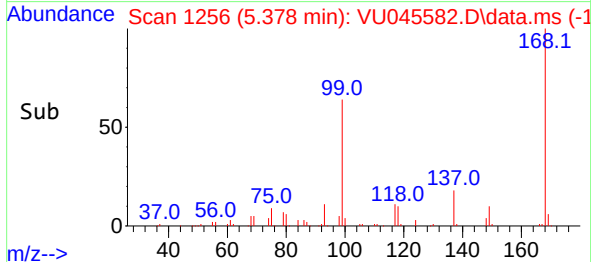
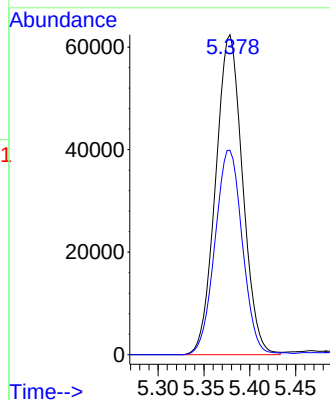
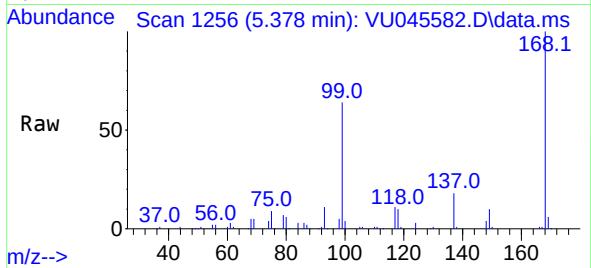




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

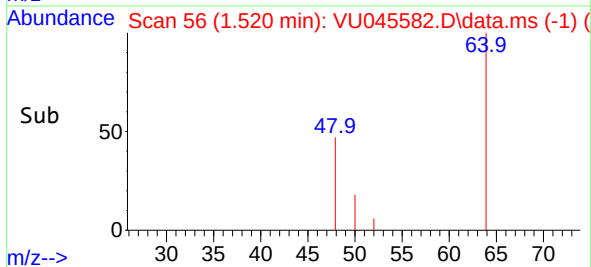
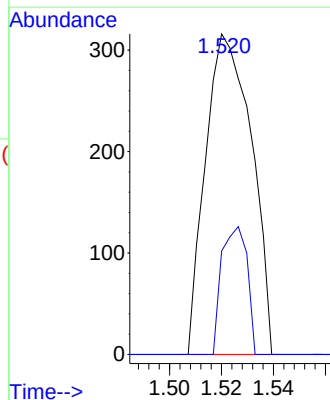
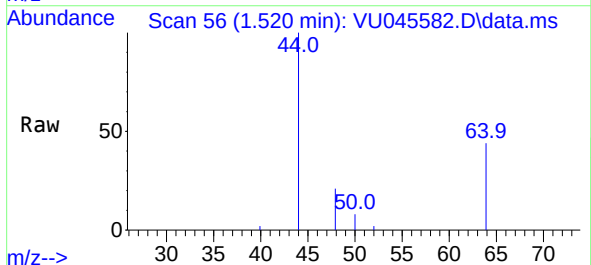
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

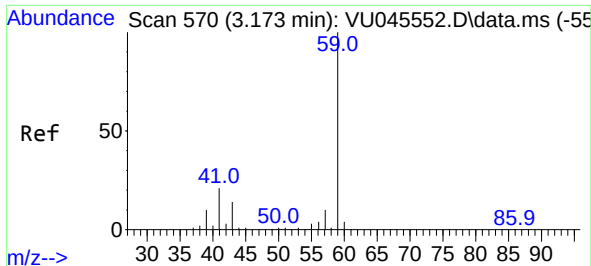
Tgt Ion:168 Resp: 127902  
Ion Ratio Lower Upper  
168 100  
99 63.9 51.0 76.6



#3  
Chloromethane  
Concen: 0.204 ug/l  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 50 Resp: 387  
Ion Ratio Lower Upper  
50 100  
52 32.3 26.6 40.0





#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 3.169 min Scan# 5

Delta R.T. -0.003 min

Lab File: VU045582.D

Acq: 06 Nov 2021 00:59

Instrument :

MSVOA\_U

ClientSampleId :

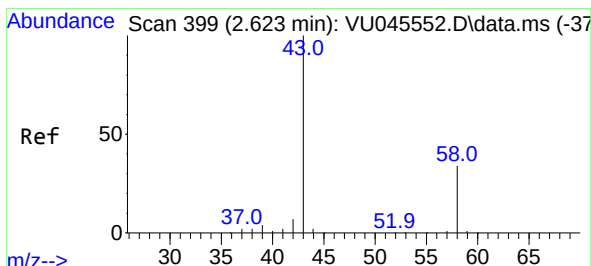
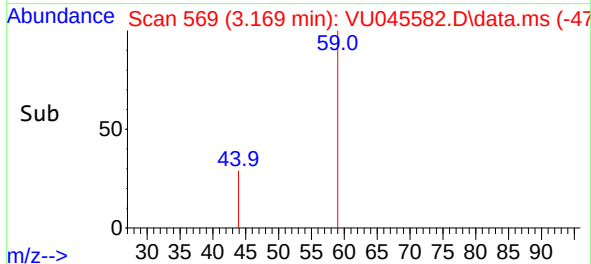
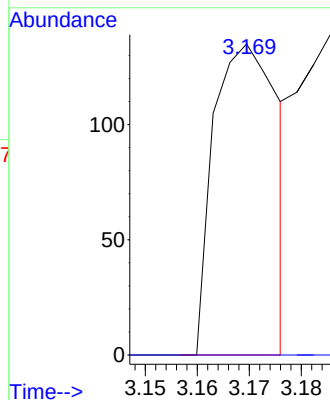
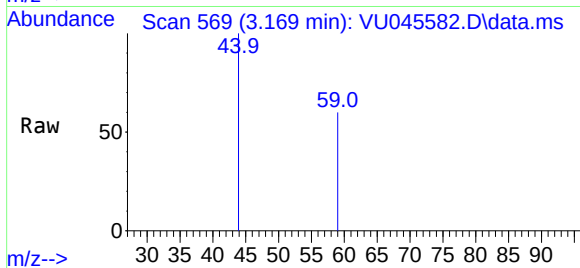
BP-VPB-RW9-GW-518-520

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.666 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU045582.D

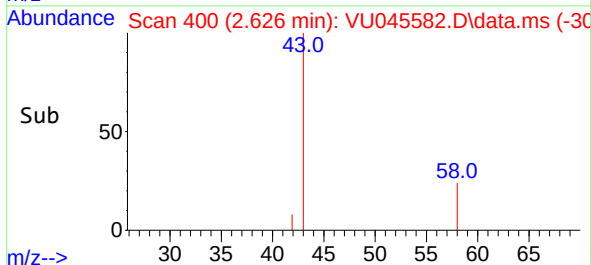
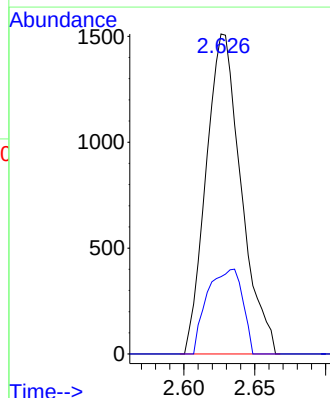
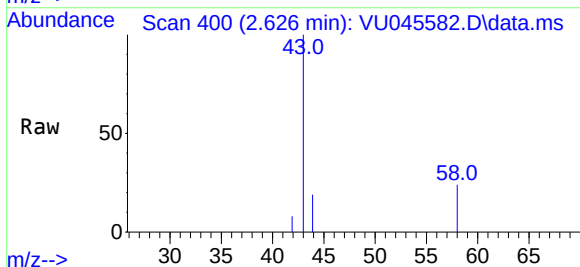
Acq: 06 Nov 2021 00:59

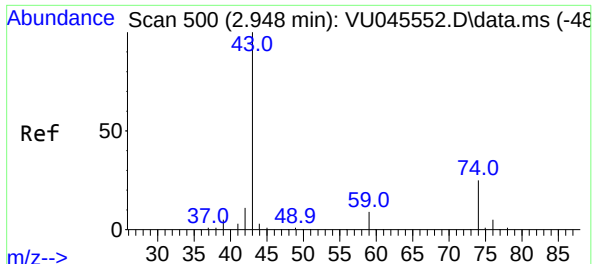
Tgt Ion: 43 Resp: 2600

Ion Ratio Lower Upper

43 100

58 24.2 26.2 39.2#

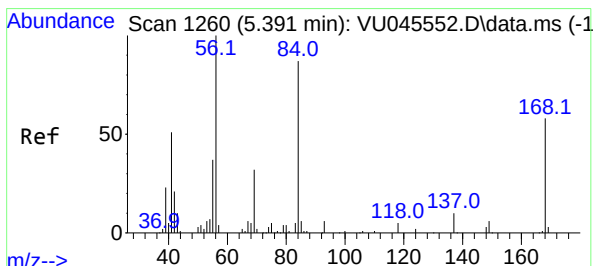
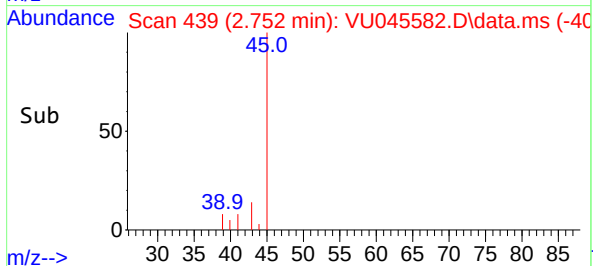
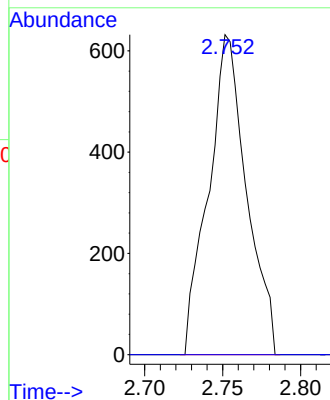
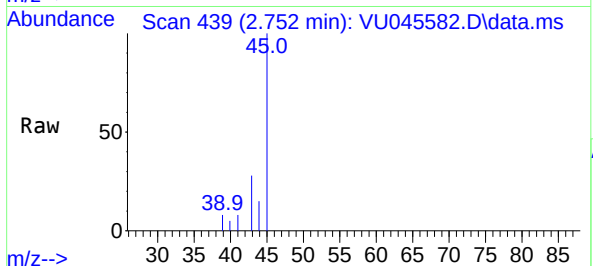




#18  
Methyl Acetate  
Concen: 0.324 ug/l  
RT: 2.752 min Scan# 41  
Delta R.T. -0.196 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

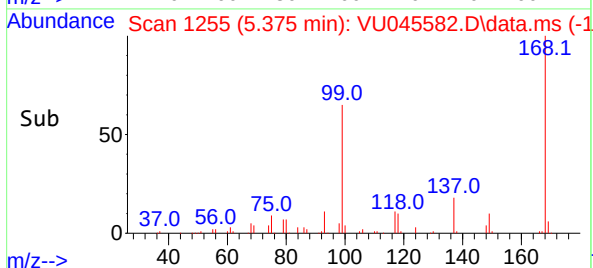
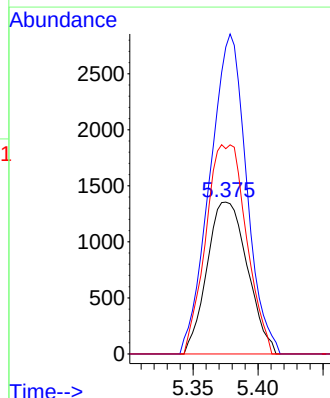
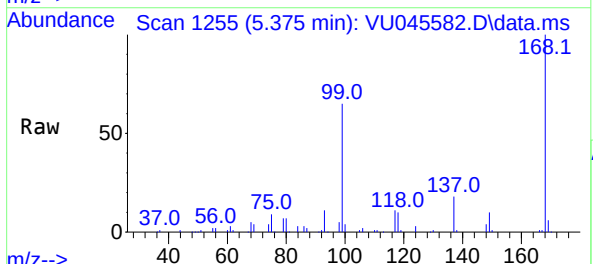
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

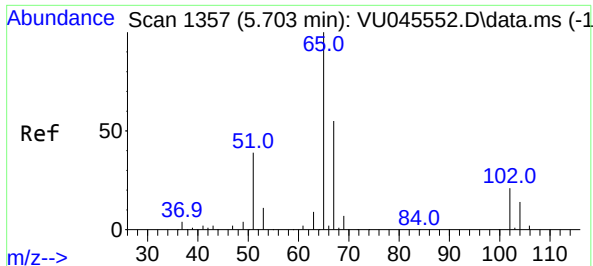
Tgt Ion: 43 Resp: 1075  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



#31  
Cyclohexane  
Concen: 1.049 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.016 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 56 Resp: 2932  
Ion Ratio Lower Upper  
56 100  
69 202.2 26.4 39.6#  
84 135.3 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 57.106 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045582.D

Acq: 06 Nov 2021 00:59

Instrument :

MSVOA\_U

ClientSampleId :

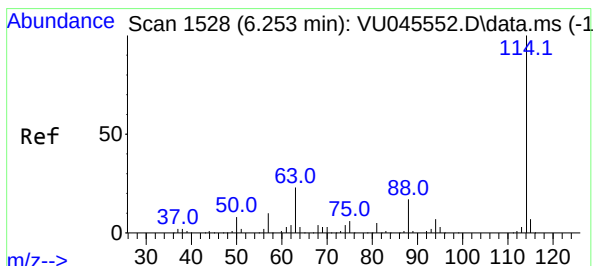
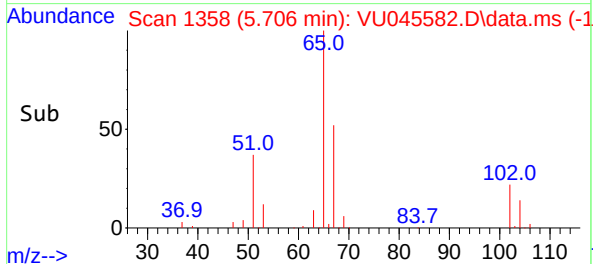
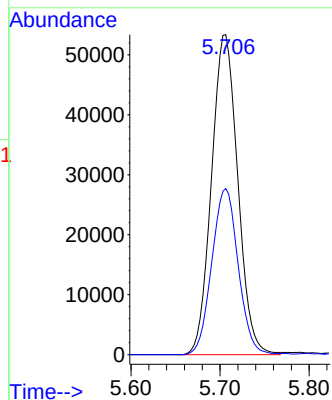
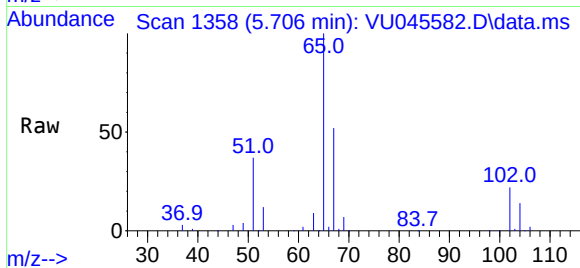
BP-VPB-RW9-GW-518-520

Tgt Ion: 65 Resp: 109386

Ion Ratio Lower Upper

65 100

67 52.1 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: VU045582.D

Acq: 06 Nov 2021 00:59

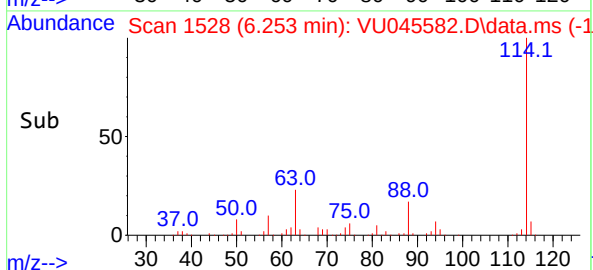
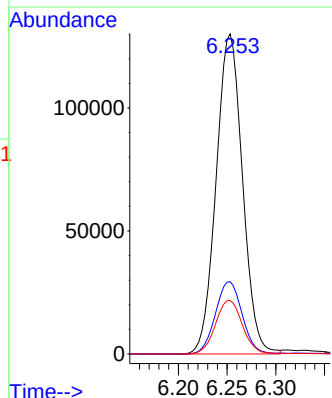
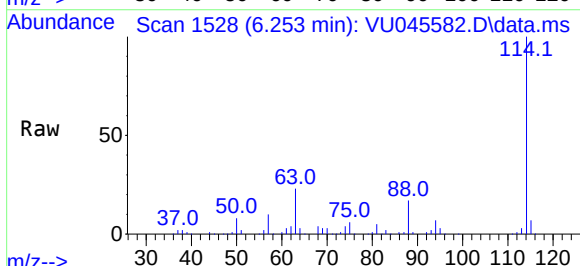
Tgt Ion: 114 Resp: 244725

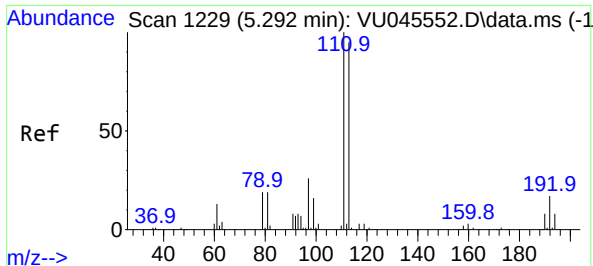
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 16.7 0.0 33.8

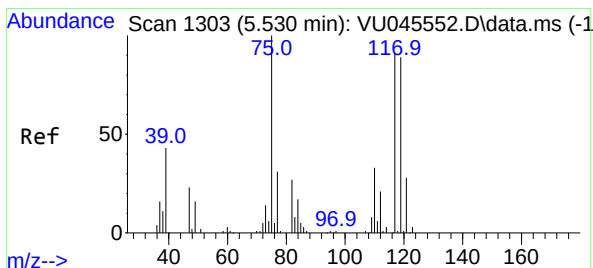
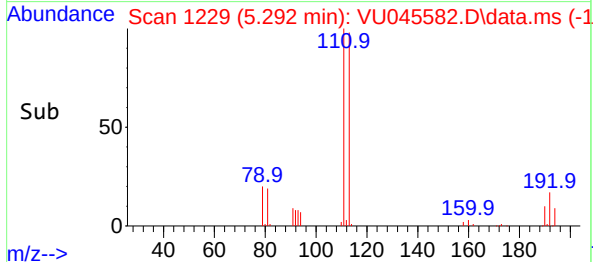
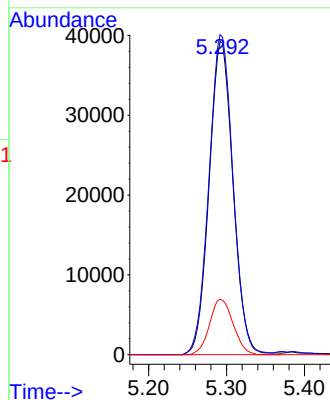
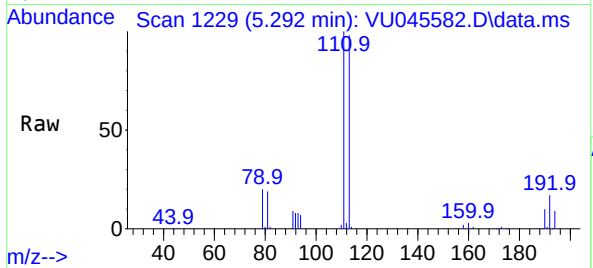




#35  
Dibromofluoromethane  
Concen: 51.104 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

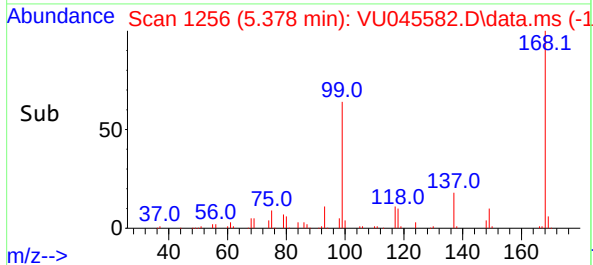
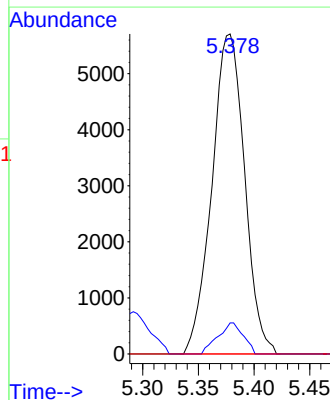
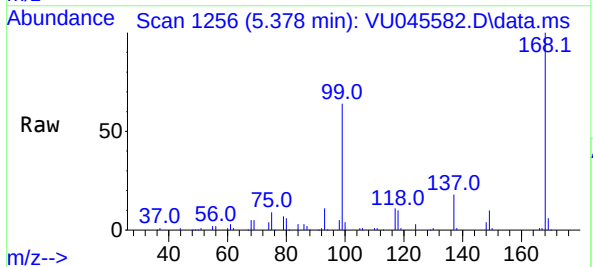
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

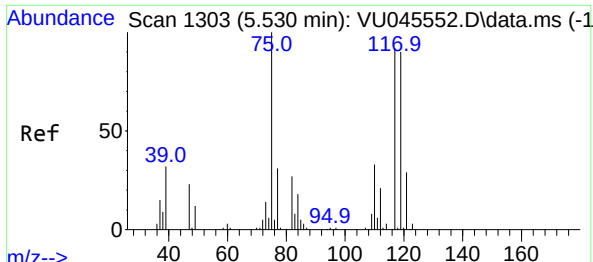
Tgt Ion:113 Resp: 83498  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.8 124.2  
192 17.5 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 4.888 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.151 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

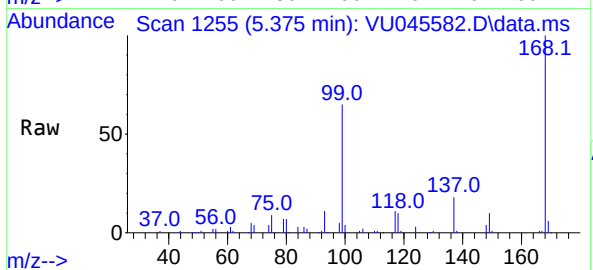
Tgt Ion: 75 Resp: 11665  
Ion Ratio Lower Upper  
75 100  
110 7.5 16.7 50.0#  
77 0.0 25.0 37.4#



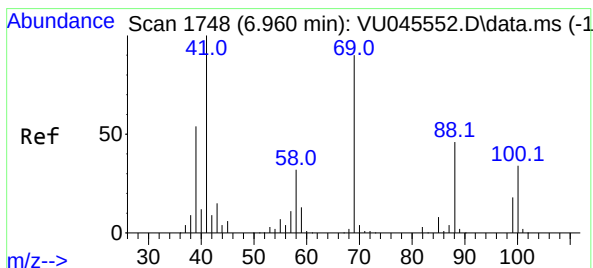
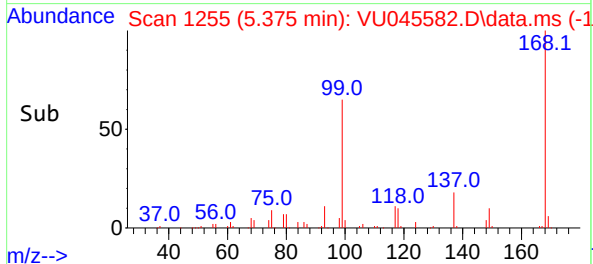
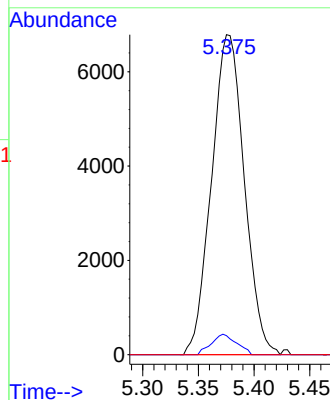


#38  
Carbon Tetrachloride  
Concen: 5.773 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. -0.154 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

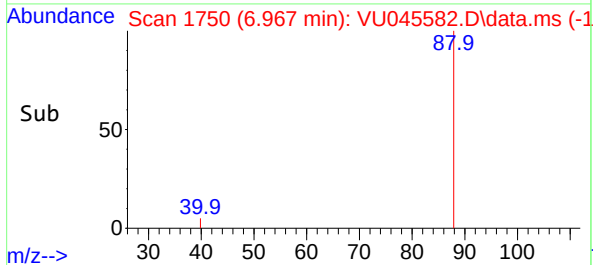
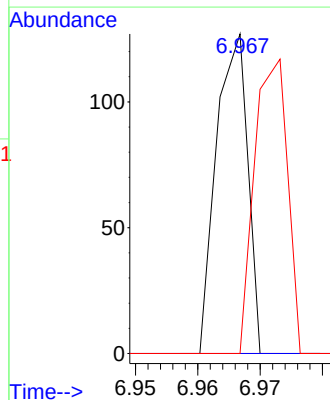
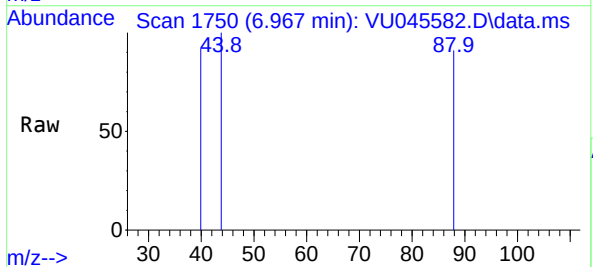


Tgt Ion:117 Resp: 13889  
Ion Ratio Lower Upper  
117 100  
119 5.9 77.4 116.0#  
121 0.0 24.8 37.2#

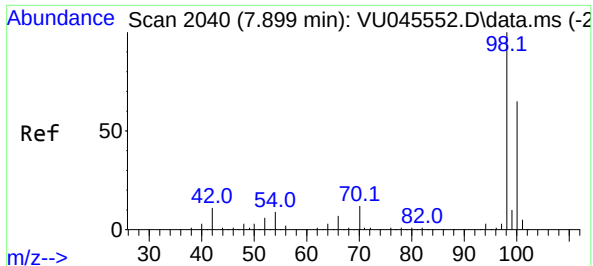


#49  
1,4-Dioxane  
Concen: 0.887 ug/l  
RT: 6.967 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 88 Resp: 44  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 97.7 58.7 88.1#



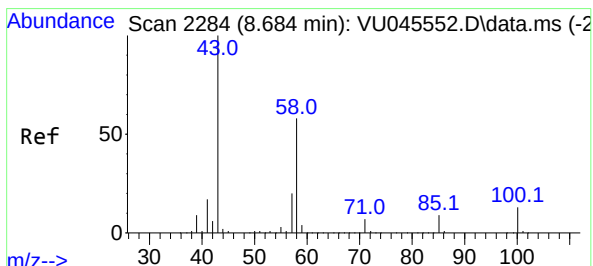
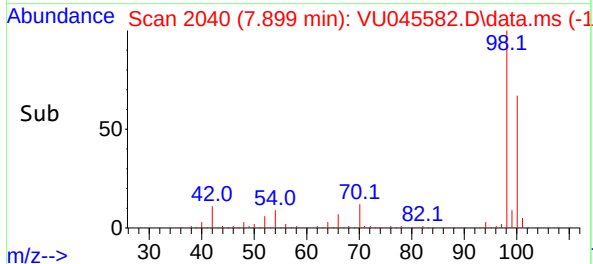
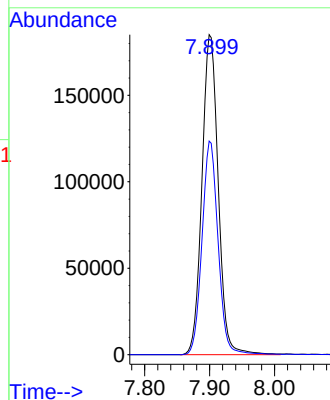
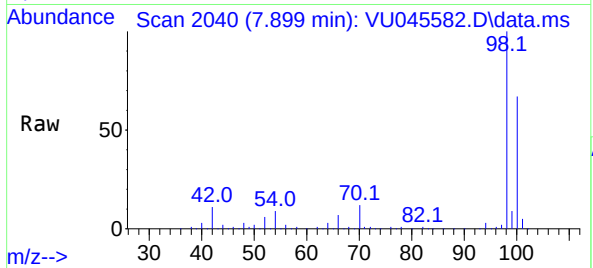




#50  
Toluene-d8  
Concen: 53.288 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

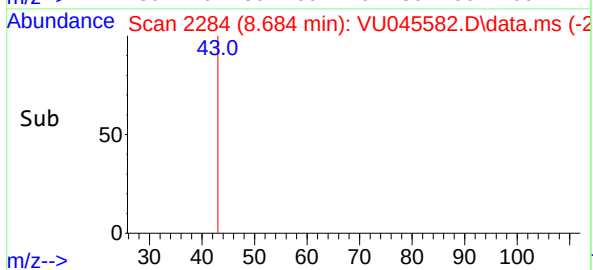
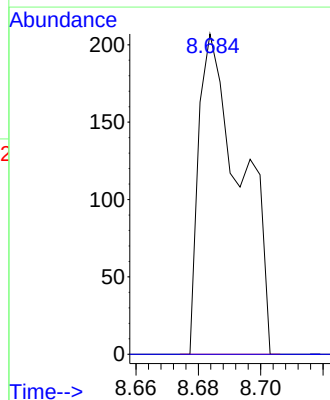
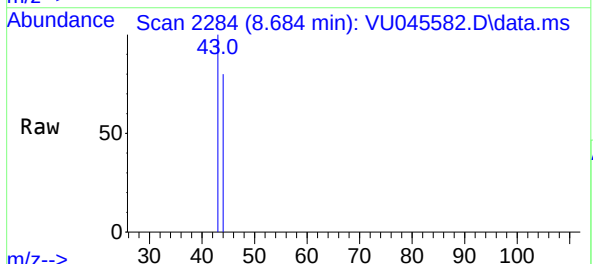
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

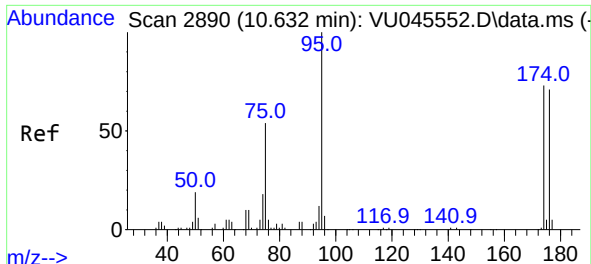
Tgt Ion: 98 Resp: 323756  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7



#59  
2-Hexanone  
Concen: 7.614 ug/l  
RT: 8.684 min Scan# 2284  
Delta R.T. -0.000 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 43 Resp: 196  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.5 88.6#

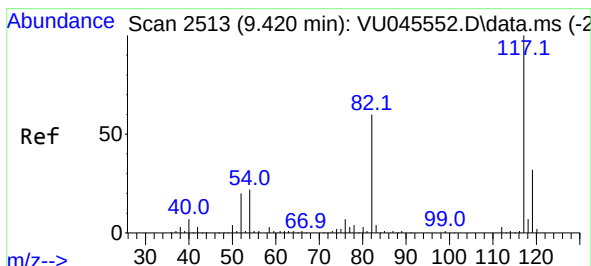
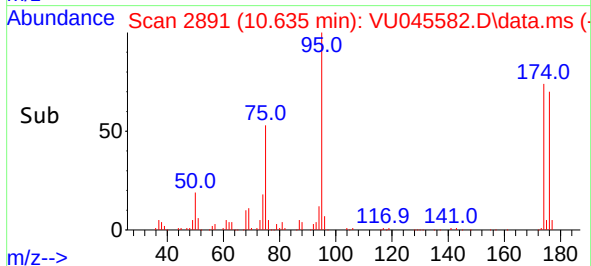
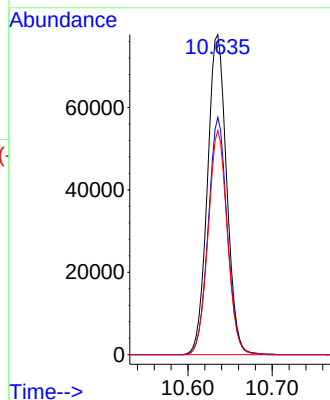
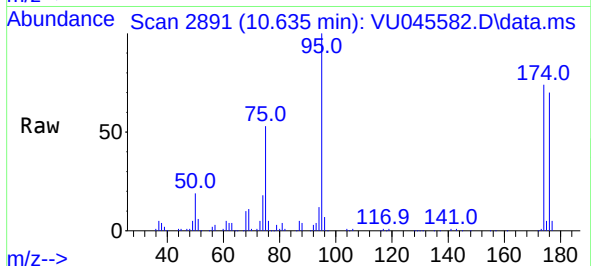




#62  
4-Bromofluorobenzene  
Concen: 50.604 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

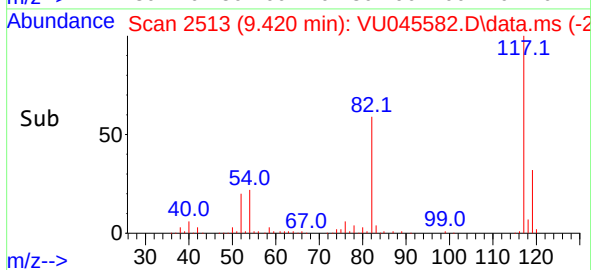
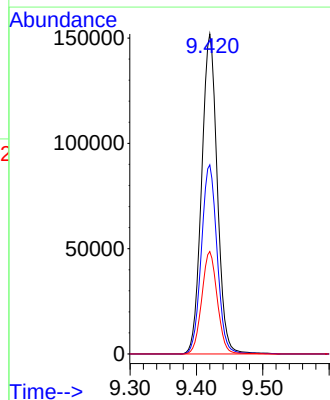
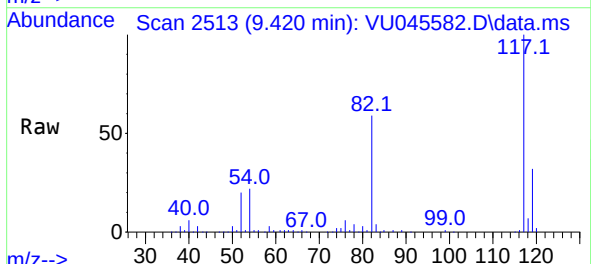
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

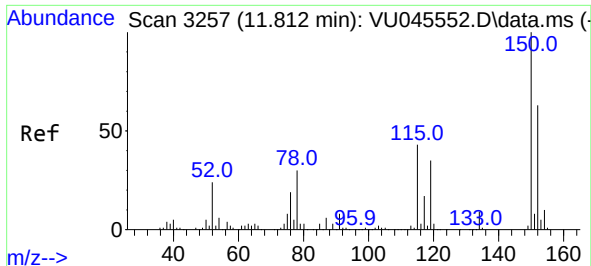
Tgt Ion: 95 Resp: 123286  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 141.8  
176 69.8 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 117 Resp: 248506  
Ion Ratio Lower Upper  
117 100  
82 59.1 47.8 71.8  
119 32.0 25.8 38.8

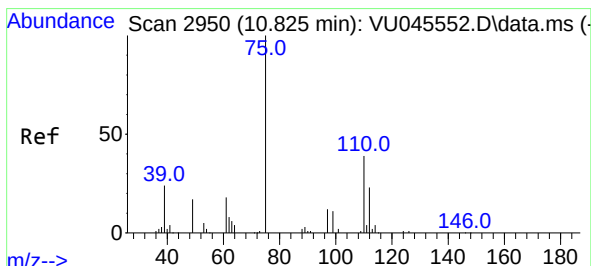
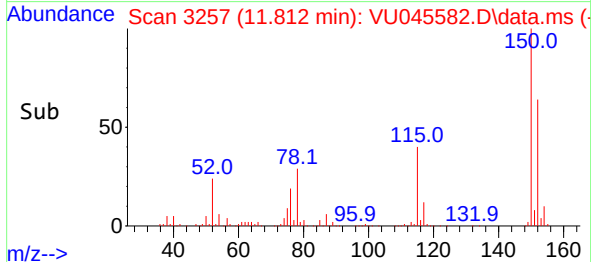
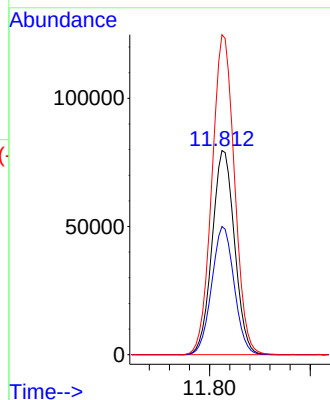
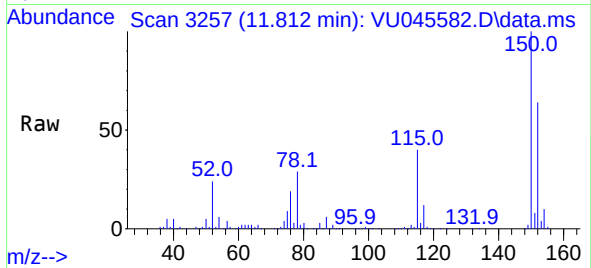




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

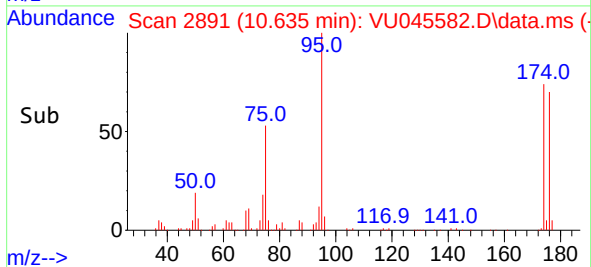
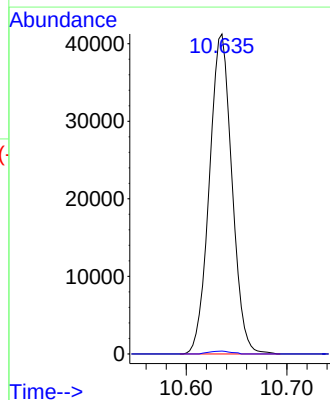
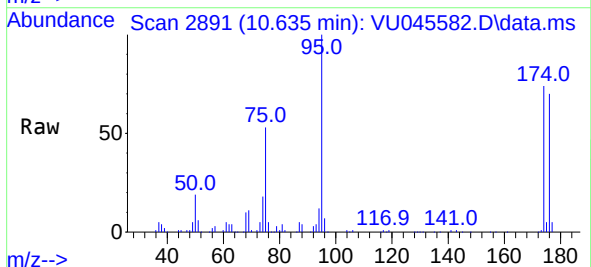
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

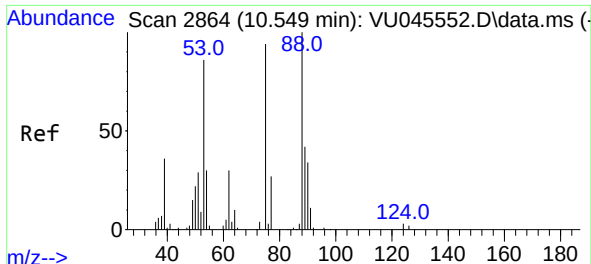
Tgt Ion:152 Resp: 123616  
Ion Ratio Lower Upper  
152 100  
115 62.7 42.7 128.1  
150 157.4 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 17.187 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion: 75 Resp: 64428  
Ion Ratio Lower Upper  
75 100  
77 0.9 17.1 51.3#

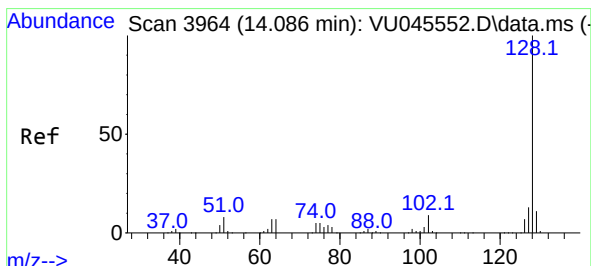
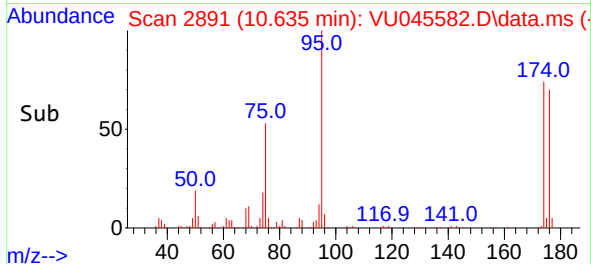
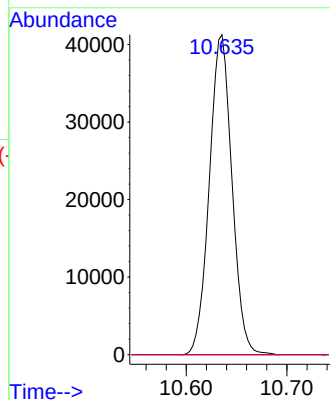
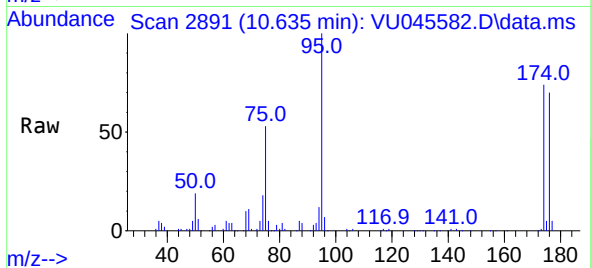




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.925 ug/l  
RT: 10.635 min Scan# 21  
Delta R.T. 0.086 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-GW-518-520

Tgt Ion: 75 Resp: 64428  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#95  
Naphthalene  
Concen: 1.102 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU045582.D  
Acq: 06 Nov 2021 00:59

Tgt Ion:128 Resp: 744  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 13.0#

