

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100721\  
 Data File : VU045236.D  
 Acq On : 08 Oct 2021 03:26  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 08 03:43:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 22:18:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 290115     | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 286467     | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 139633     | 50.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 121809     | 38.354  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.700% |       |          |
| 7) Chloroethane-d5            | 1.887          | 69   | 102895     | 40.885  | ug/L  | -0.02    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 81.760% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 218582     | 40.983  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.960% |       |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 219676     | 87.493  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 87.490% |       |          |
| 24) Chloroform-d              | 5.067          | 84   | 219298     | 43.720  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.440% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 148494     | 43.705  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.400% |       |          |
| 32) Benzene-d6                | 5.729          | 84   | 439226     | 44.186  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.380% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 142076     | 43.834  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 87.660% |       |          |
| 41) Toluene-d8                | 7.902          | 98   | 393599     | 45.883  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.760% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 64769      | 44.923  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.840% |       |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 161696     | 90.022  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 90.020% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 233131     | 46.191  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.380% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198         | 152  | 146663     | 48.263  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.520% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385          | 85   | 124532     | 44.830  | ug/L  | 98       |
| 3) Chloromethane              | 1.520          | 50   | 131946     | 38.107  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.604          | 62   | 149774     | 44.151  | ug/L  | 92       |
| 6) Bromomethane               | 1.829          | 94   | 35831      | 22.022  | ug/L  | 97       |
| 8) Chloroethane               | 1.912          | 64   | 99661      | 46.810  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.125          | 101  | 179681     | 46.277  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575          | 101  | 106910     | 43.625  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 105308     | 46.874  | ug/L  | 88       |
| 13) Acetone                   | 2.633          | 43   | 146506     | 50.479  | ug/L  | 99       |
| 14) Carbon disulfide          | 2.790          | 76   | 311287     | 43.250  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.951          | 43   | 157456     | 43.989  | ug/L  | 96       |
| 16) Methylene chloride        | 3.047          | 84   | 131171     | 46.086  | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 3.353          | 96   | 111864     | 47.267  | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 3.369          | 73   | 407755     | 52.252  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.870          | 63   | 230585     | 46.834  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 128792     | 49.386  | ug/L  | 94       |
| 22) 2-Butanone                | 4.710          | 43   | 236382     | 72.770  | ug/L  | 96       |
| 23) Bromochloromethane        | 4.977          | 128  | 61315      | 46.380  | ug/L  | 96       |
| 25) Chloroform                | 5.092          | 83   | 231077     | 47.210  | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100721\  
 Data File : VU045236.D  
 Acq On : 08 Oct 2021 03:26  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

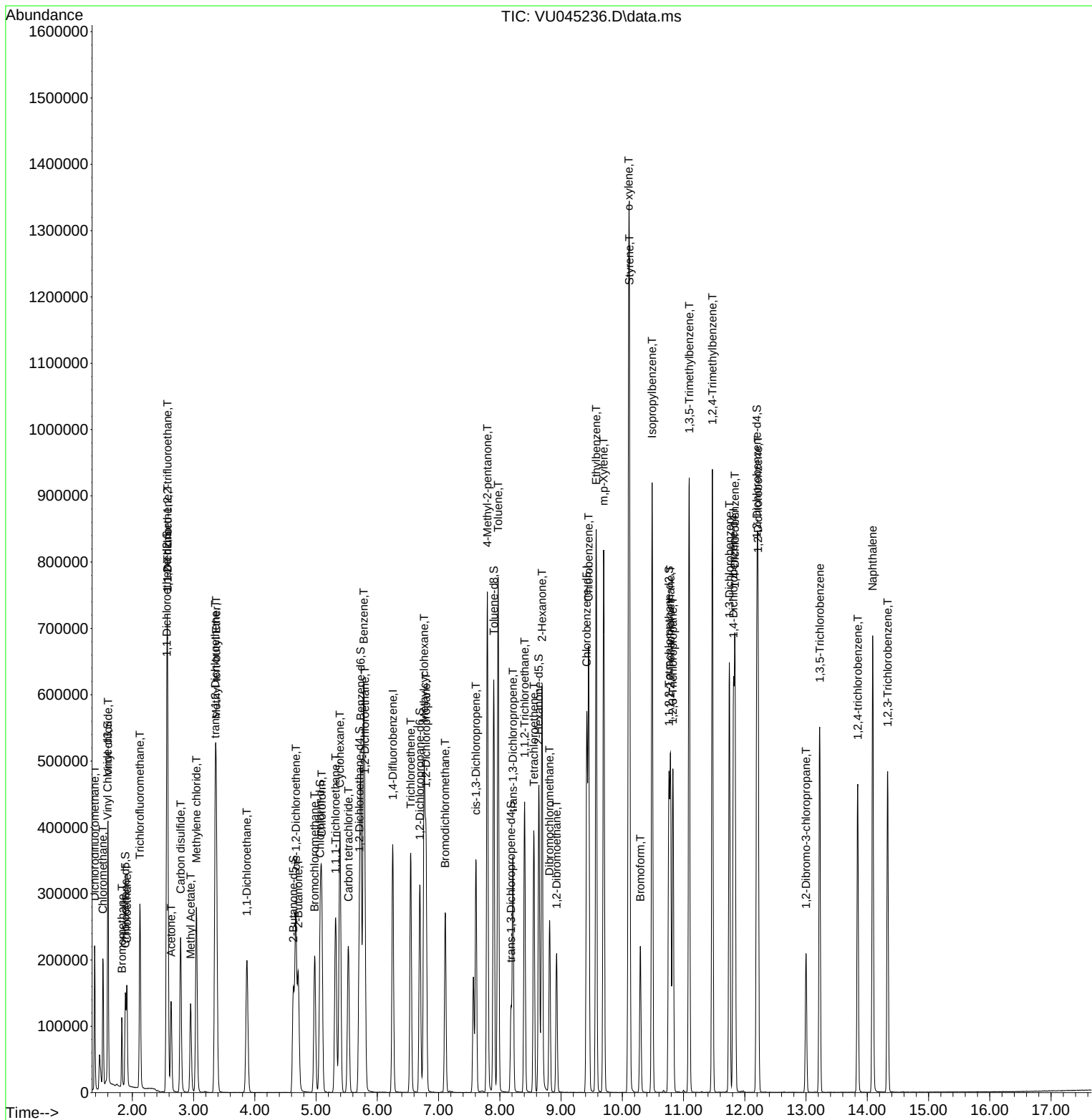
Instrument :  
 MSVOA\_U  
 ClientSampleId :

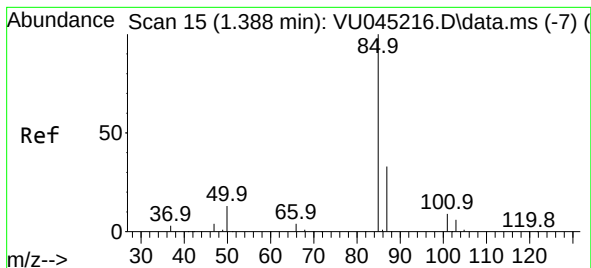
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 22:18:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 194054   | 47.401 | ug/L  | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 202000   | 46.911 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 187649   | 47.320 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 142595   | 45.528 | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 508167   | 47.828 | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 122623   | 48.050 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 192502   | 45.055 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.796  | 63   | 134806   | 46.600 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 171015   | 48.227 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 196355   | 47.438 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 470550   | 97.373 | ug/L  | 97       |
| 42) Toluene                   | 7.973  | 91   | 537164   | 49.758 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 186302   | 47.335 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 131118   | 50.014 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.555  | 164  | 82697    | 45.336 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 370579   | 86.477 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 126240   | 48.689 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 136959   | 49.897 | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 326824   | 49.038 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.574  | 91   | 583978   | 51.207 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 228046   | 52.786 | ug/L  | 97       |
| 54) o-xylene                  | 10.105 | 106  | 225841   | 53.198 | ug/L  | 100      |
| 55) Styrene                   | 10.118 | 104  | 383554   | 52.537 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 244092   | 48.626 | ug/L  | 99       |
| 59) Bromoform                 | 10.295 | 173  | 91736    | 52.973 | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 200284   | 51.860 | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.488 | 105  | 574743   | 56.243 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 487743   | 57.151 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 495995   | 56.755 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 243122   | 51.481 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 241521   | 49.846 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 250929   | 51.758 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 53515    | 48.218 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 157325   | 48.003 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.844 | 180  | 132300   | 48.578 | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 518925   | 54.985 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 137266   | 49.261 | ug/L  | 100      |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
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QLast Update : Thu Oct 07 22:18:46 2021  
Response via : Initial Calibration

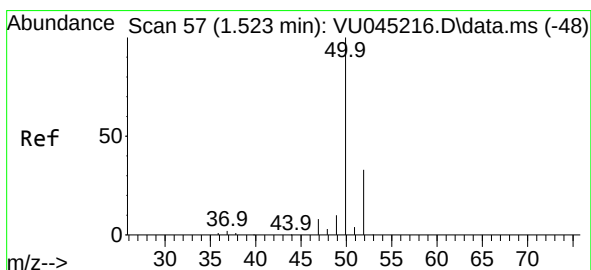
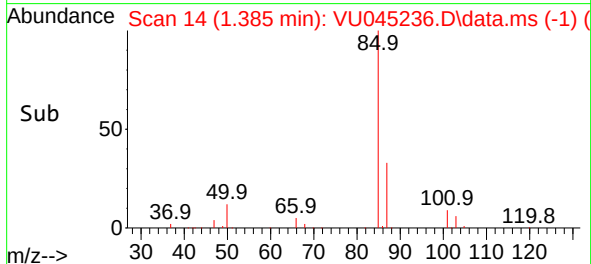
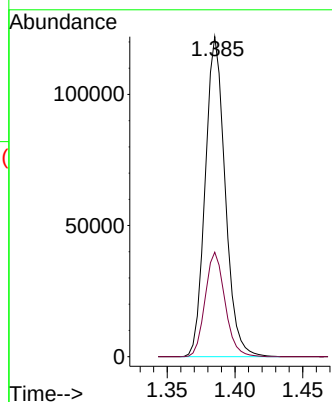
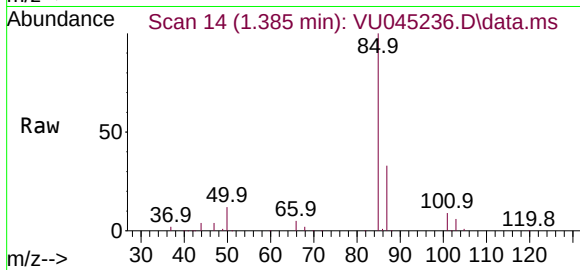




#2  
Dichlorodifluoromethane  
Concen: 44.830 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

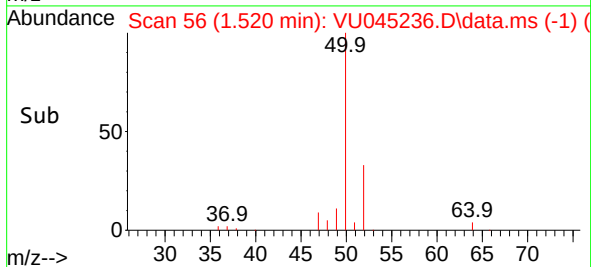
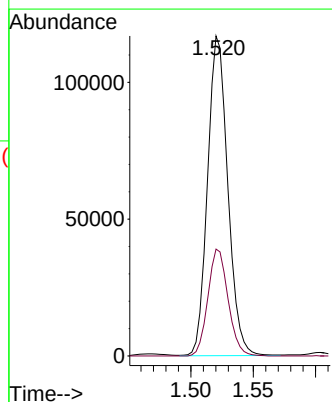
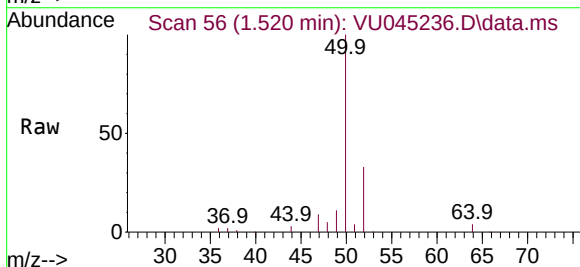
Instrument :  
MSVOA\_U  
ClientSampled :

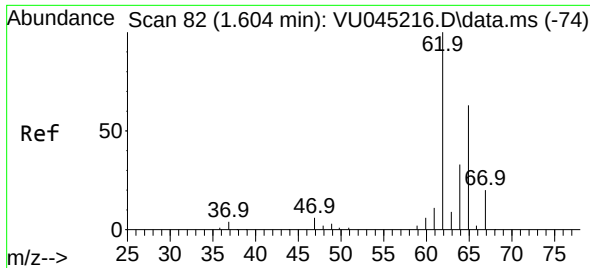
Tgt Ion: 85 Resp: 124532  
Ion Ratio Lower Upper  
85 100  
87 32.6 25.2 37.8



#3  
Chloromethane  
Concen: 38.107 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 50 Resp: 131946  
Ion Ratio Lower Upper  
50 100  
52 33.4 23.0 42.8

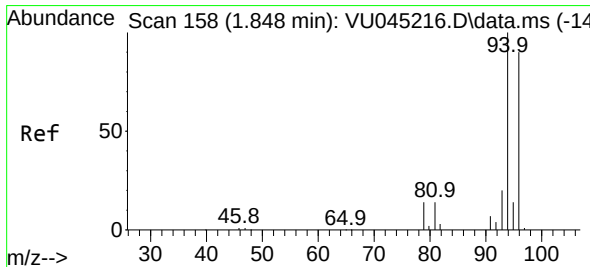
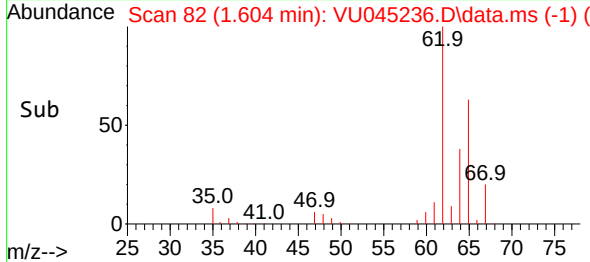
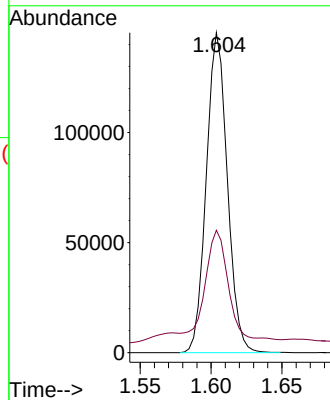
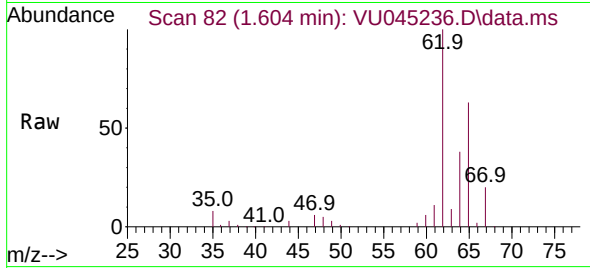




#5  
 Vinyl chloride  
 Concen: 44.151 ug/L  
 RT: 1.604 min Scan# 82  
 Delta R.T. -0.000 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26

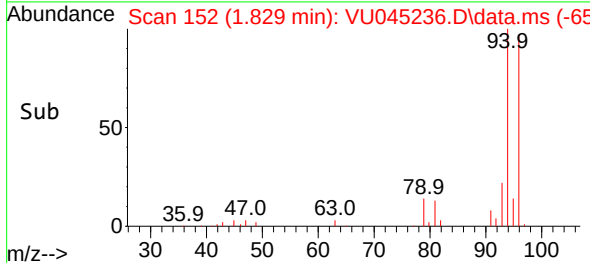
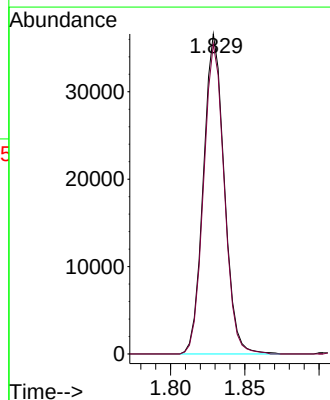
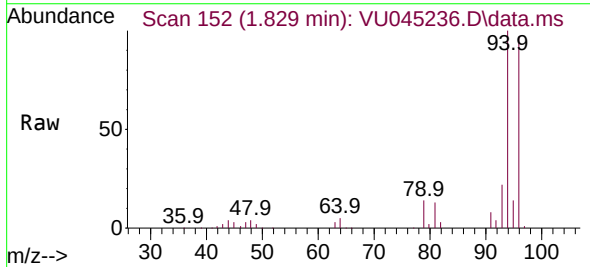
Instrument :  
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 ClientSampled :

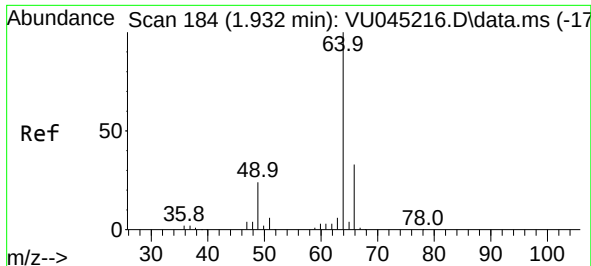
Tgt Ion: 62 Resp: 149774  
 Ion Ratio Lower Upper  
 62 100  
 64 38.2 23.4 43.6



#6  
 Bromomethane  
 Concen: 22.022 ug/L  
 RT: 1.829 min Scan# 152  
 Delta R.T. -0.019 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26

Tgt Ion: 94 Resp: 35831  
 Ion Ratio Lower Upper  
 94 100  
 96 96.8 65.7 121.9

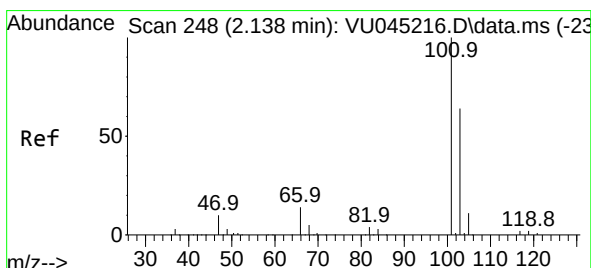
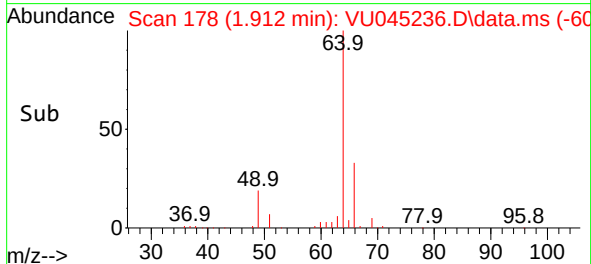
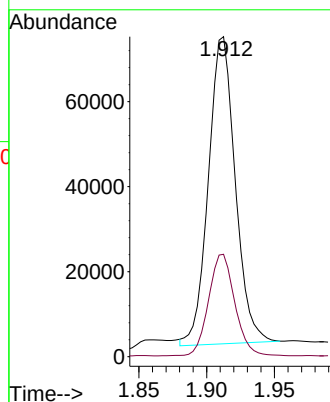
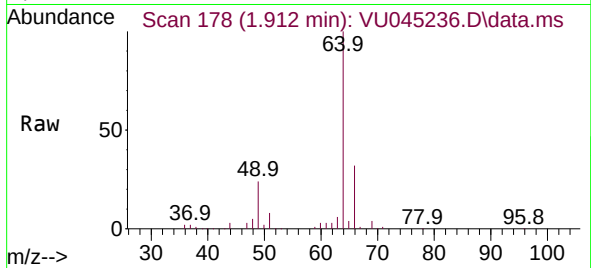




#8  
Chloroethane  
Concen: 46.810 ug/L  
RT: 1.912 min Scan# 178  
Delta R.T. -0.019 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

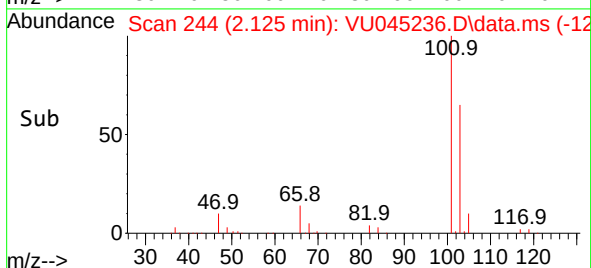
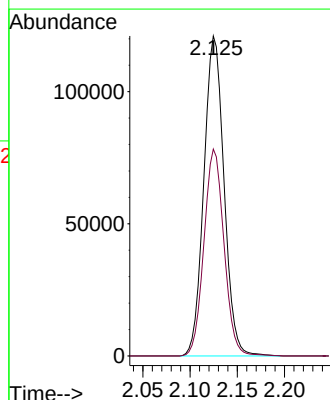
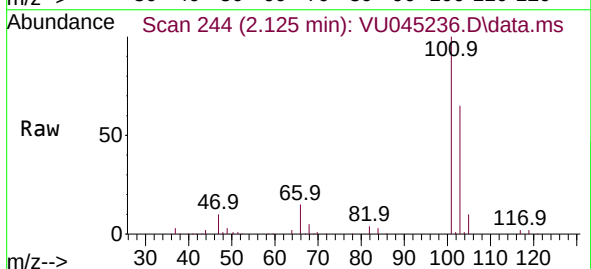
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MSVOA\_U  
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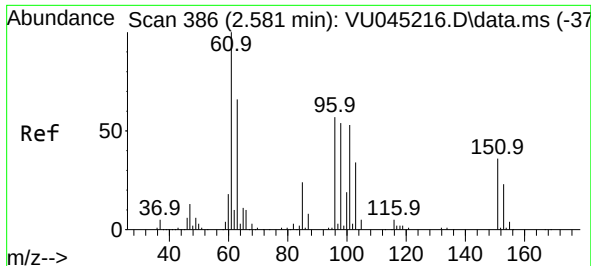
Tgt Ion: 64 Resp: 99661  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 46.277 ug/L  
RT: 2.125 min Scan# 244  
Delta R.T. -0.013 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:101 Resp: 179681  
Ion Ratio Lower Upper  
101 100  
103 64.3 50.9 76.3

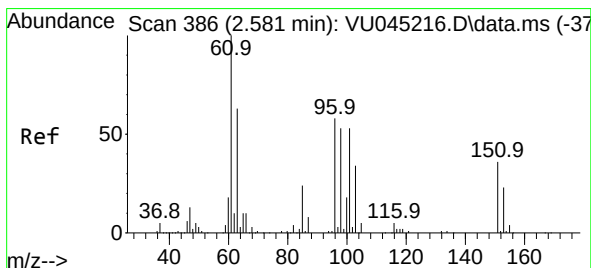
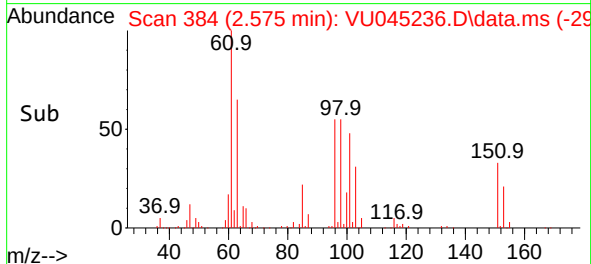
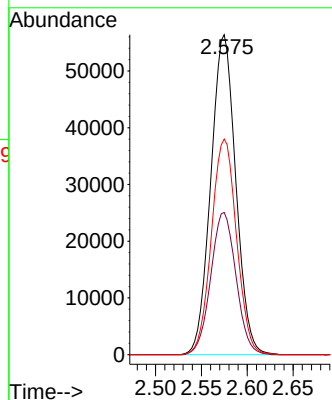
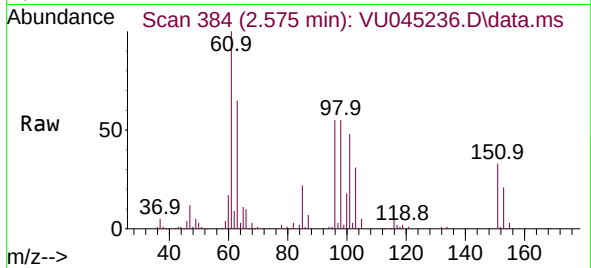




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 43.625 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.007 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26

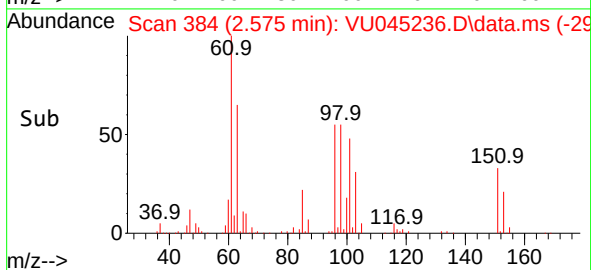
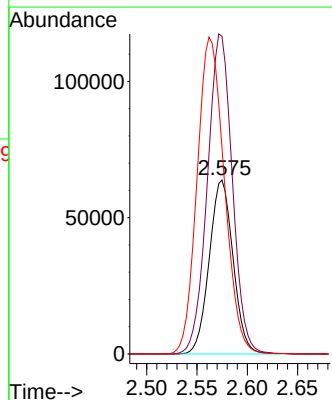
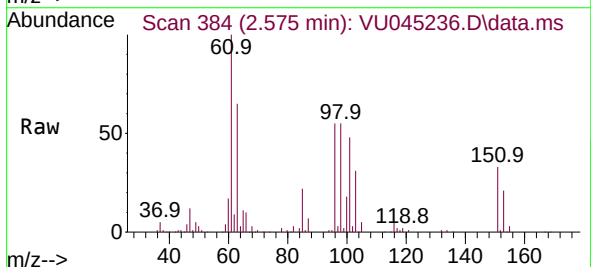
Instrument :  
 MSVOA\_U  
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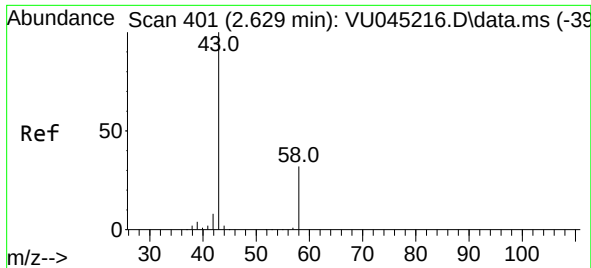
Tgt Ion:101 Resp: 106910  
 Ion Ratio Lower Upper  
 101 100  
 85 44.9 36.4 54.6  
 151 67.9 54.4 81.6



#12  
 1,1-Dichloroethene  
 Concen: 46.874 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.007 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26

Tgt Ion: 96 Resp: 105308  
 Ion Ratio Lower Upper  
 96 100  
 61 182.7 131.3 243.9  
 63 118.7 102.5 190.3

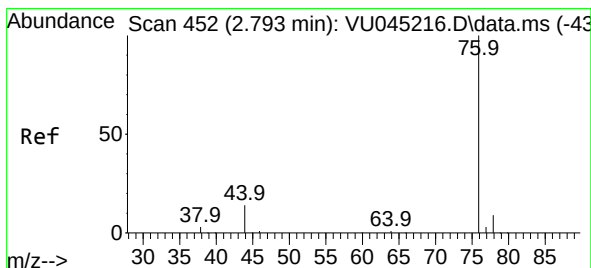
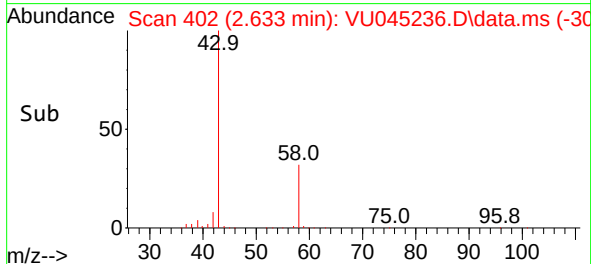
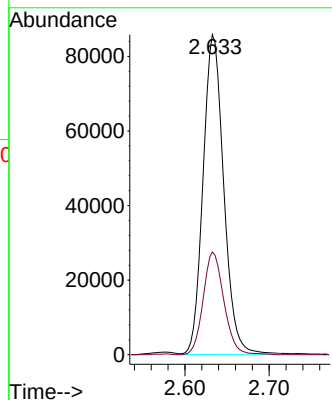
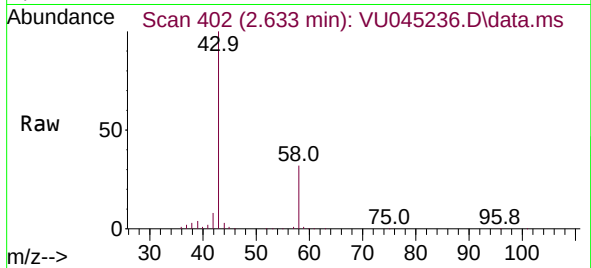




#13  
Acetone  
Concen: 50.479 ug/L  
RT: 2.633 min Scan# 402  
Delta R.T. 0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

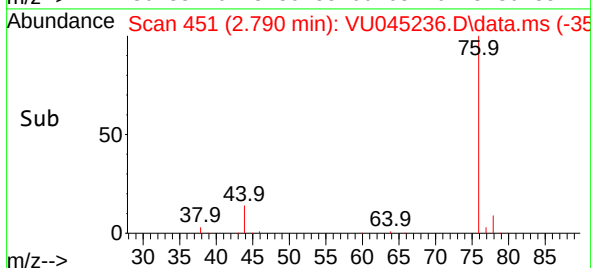
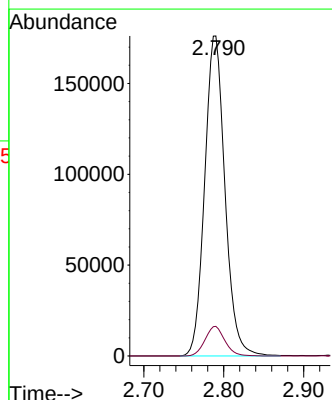
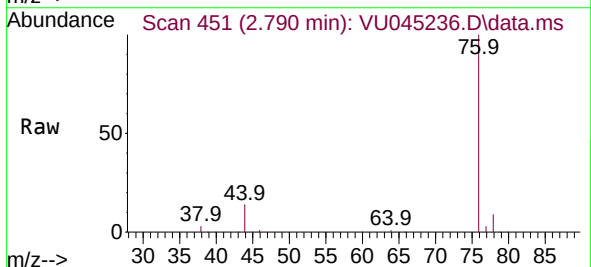
Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 43 Resp: 146506  
Ion Ratio Lower Upper  
43 100  
58 32.1 0.0 62.8

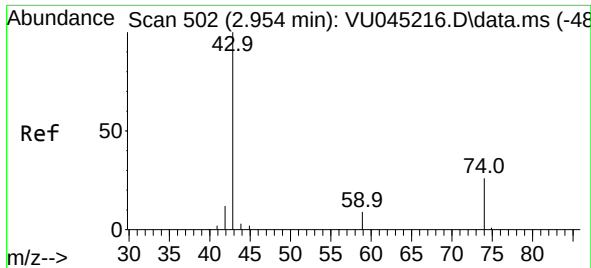


#14  
Carbon disulfide  
Concen: 43.250 ug/L  
RT: 2.790 min Scan# 451  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 76 Resp: 311287  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.3 10.9



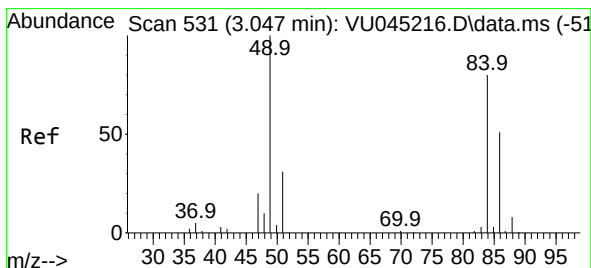
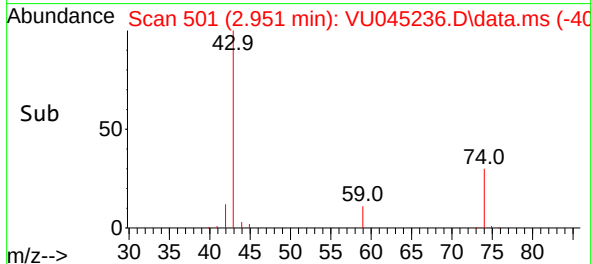
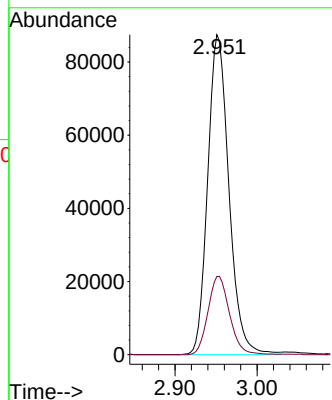
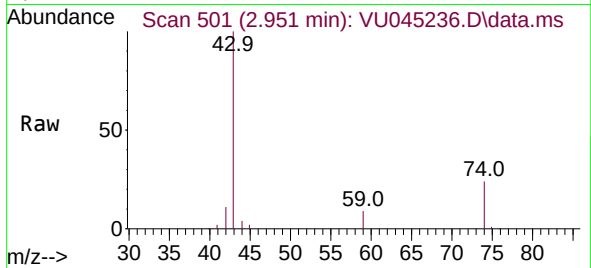




#15  
Methyl Acetate  
Concen: 43.989 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

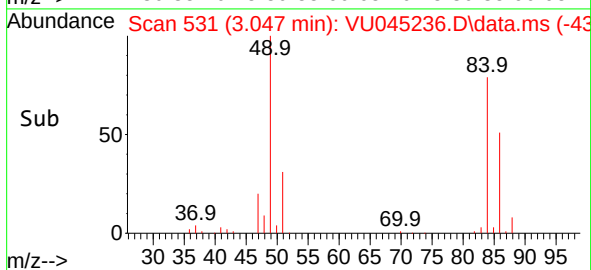
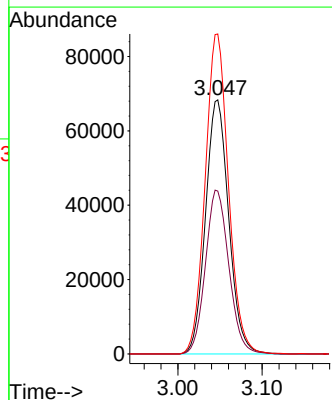
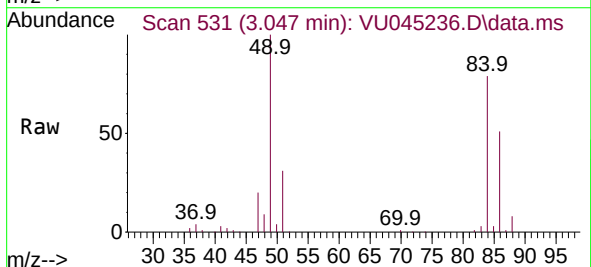
Instrument :  
MSVOA\_U  
ClientSampled :

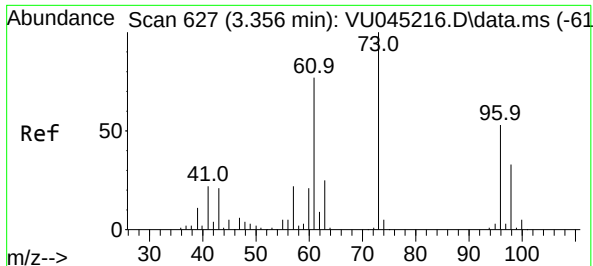
Tgt Ion: 43 Resp: 157456  
Ion Ratio Lower Upper  
43 100  
74 25.0 18.4 27.6



#16  
Methylene chloride  
Concen: 46.086 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 84 Resp: 131171  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.7 83.1  
49 126.0 92.9 172.5



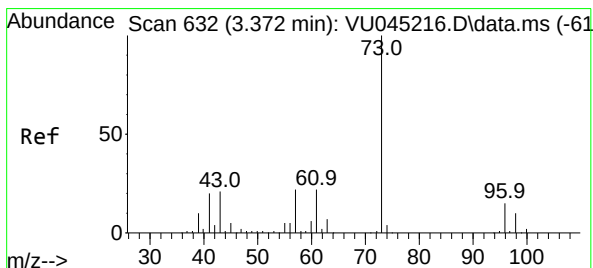
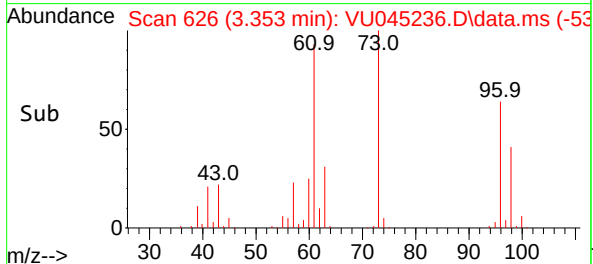
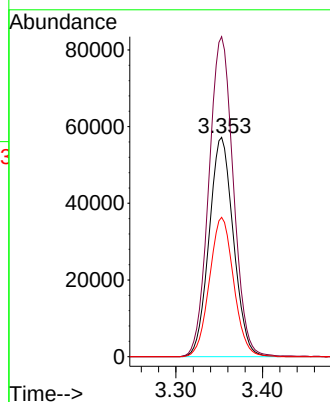
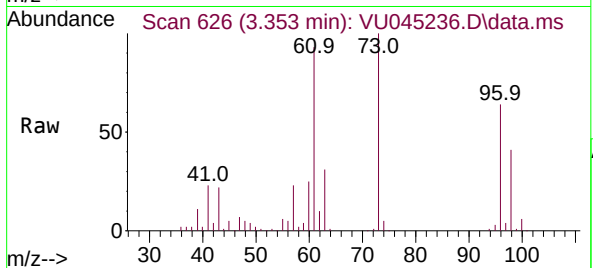


#17

trans-1,2-Dichloroethene  
Concen: 47.267 ug/L  
RT: 3.353 min Scan# 626  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampleId :

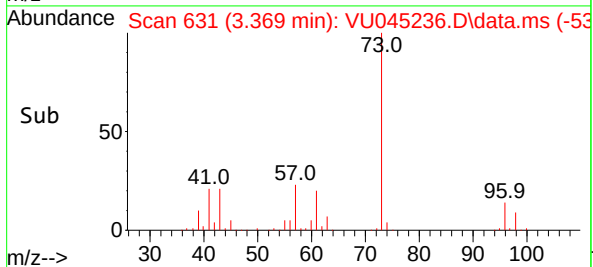
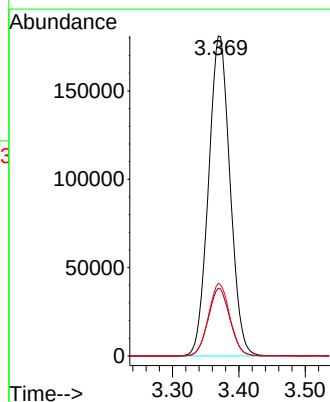
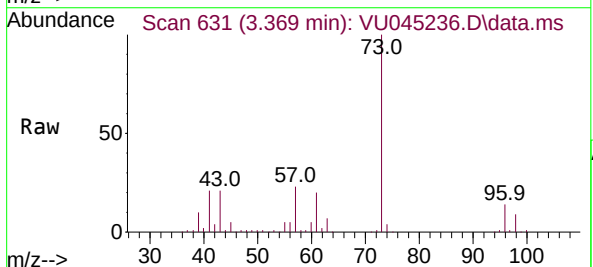
Tgt Ion: 96 Resp: 111864  
Ion Ratio Lower Upper  
96 100  
61 145.9 105.1 195.3  
98 63.5 43.0 79.8

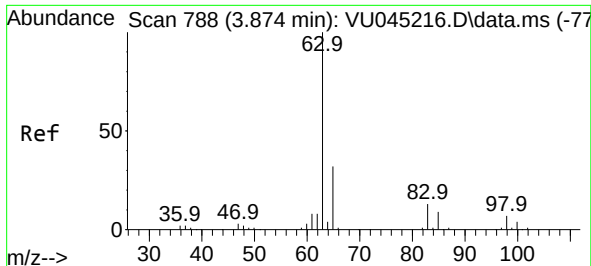


#18

Methyl tert-butyl Ether  
Concen: 52.252 ug/L  
RT: 3.369 min Scan# 631  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 73 Resp: 407755  
Ion Ratio Lower Upper  
73 100  
43 21.3 17.3 25.9  
57 22.5 18.7 28.1





#19

1,1-Dichloroethane

Concen: 46.834 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU045236.D

Acq: 08 Oct 2021 03:26

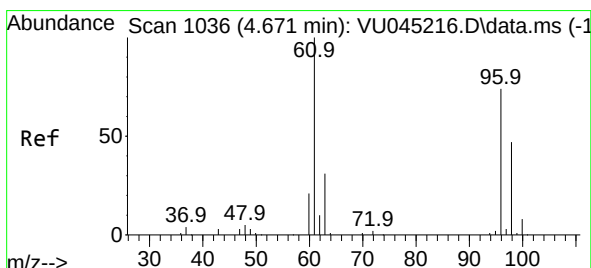
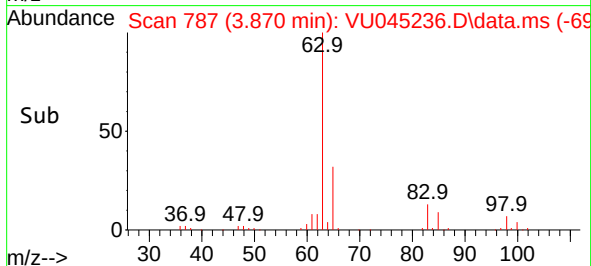
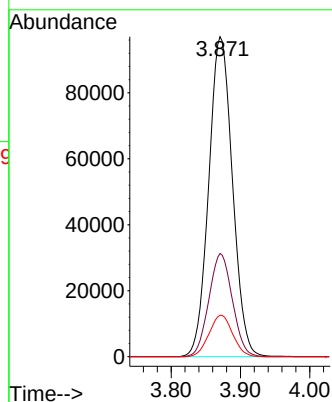
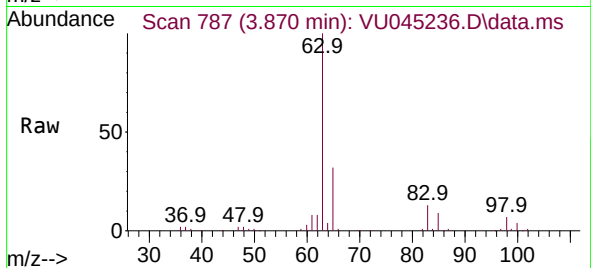
Tgt Ion: 63 Resp: 230585

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

83 12.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 49.386 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU045236.D

Acq: 08 Oct 2021 03:26

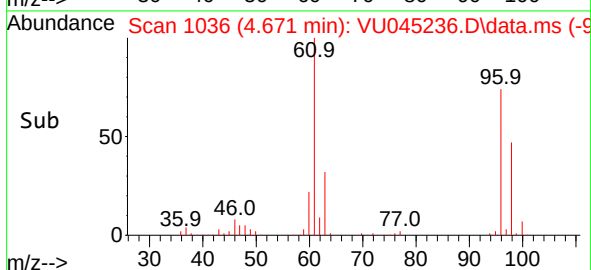
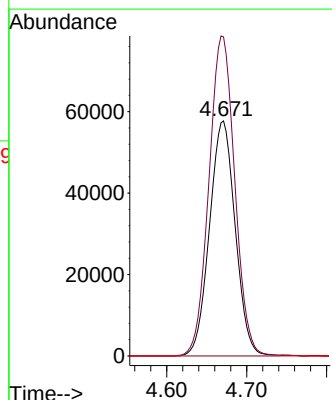
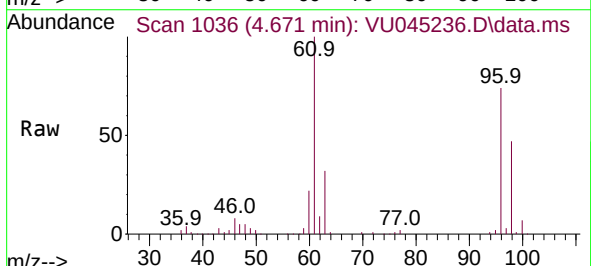
Tgt Ion: 96 Resp: 128792

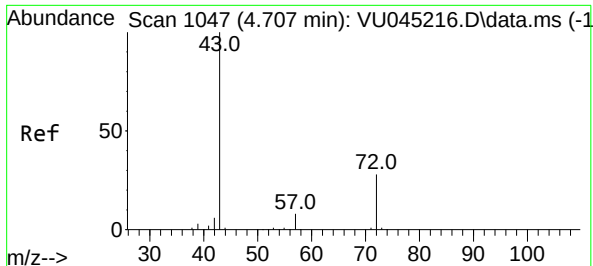
Ion Ratio Lower Upper

96 100

61 135.7 100.2 186.0

68 0.0 0.0 0.0

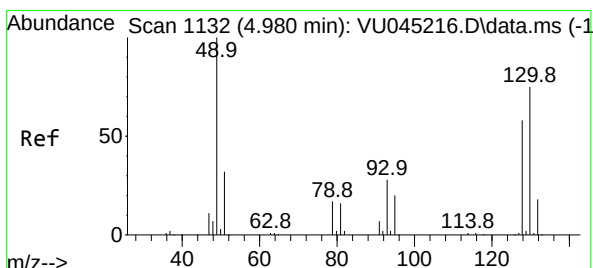
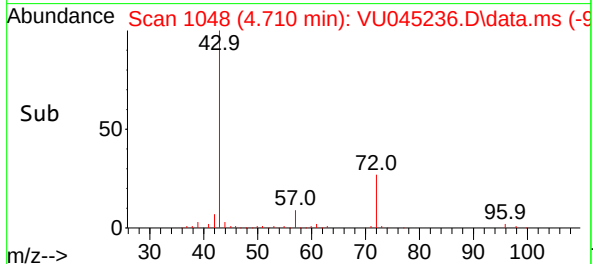
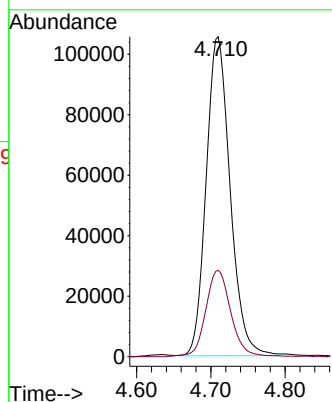
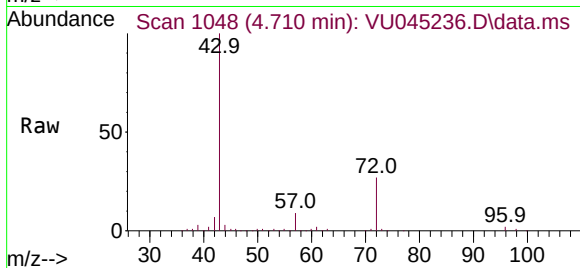




#22  
2-Butanone  
Concen: 72.770 ug/L  
RT: 4.710 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

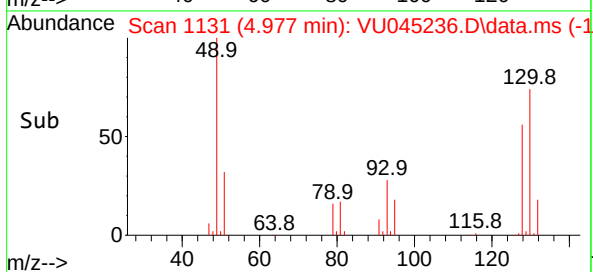
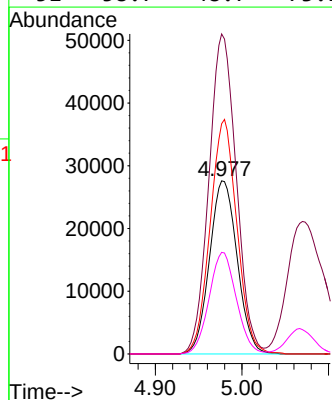
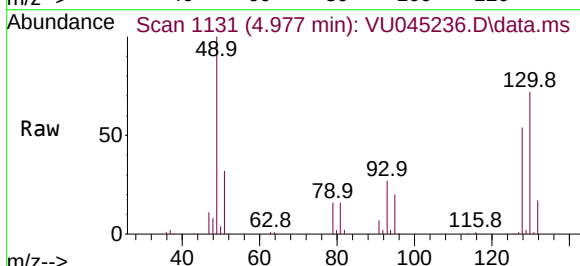
Instrument :  
MSVOA\_U  
ClientSampled :

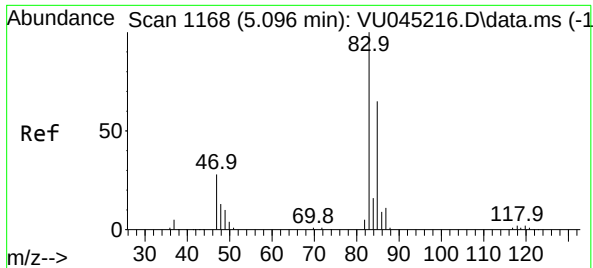
Tgt Ion: 43 Resp: 236382  
Ion Ratio Lower Upper  
43 100  
72 28.4 13.3 39.9



#23  
Bromochloromethane  
Concen: 46.380 ug/L  
RT: 4.977 min Scan# 1131  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 128 Resp: 61315  
Ion Ratio Lower Upper  
128 100  
49 184.8 132.9 246.7  
130 133.0 88.2 163.8  
51 58.7 48.7 73.1



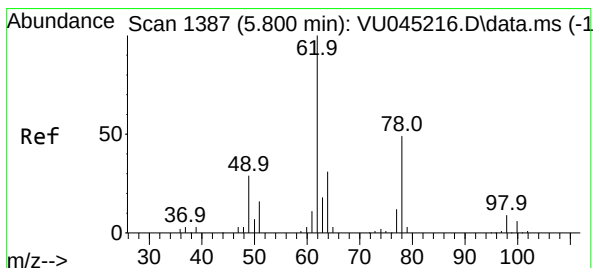
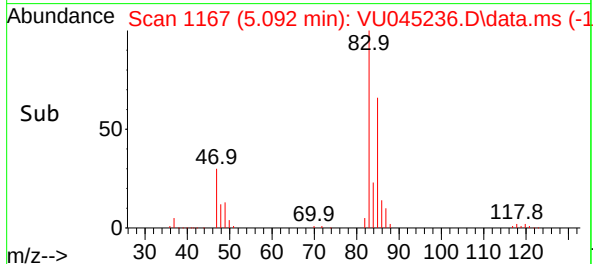
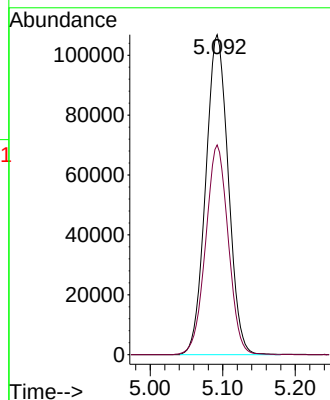
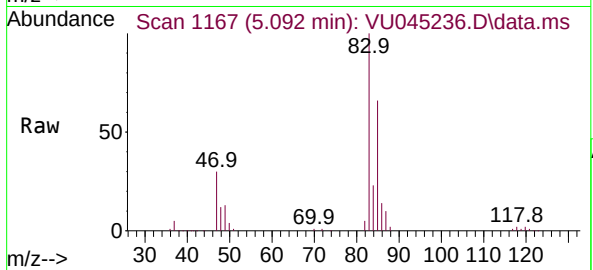


#25

Chloroform  
Concen: 47.210 ug/L  
RT: 5.092 min Scan# 1167  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampled :

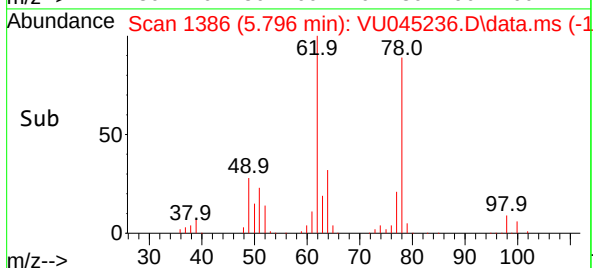
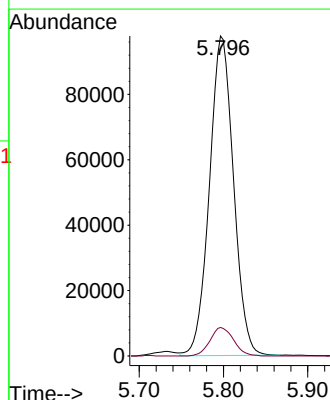
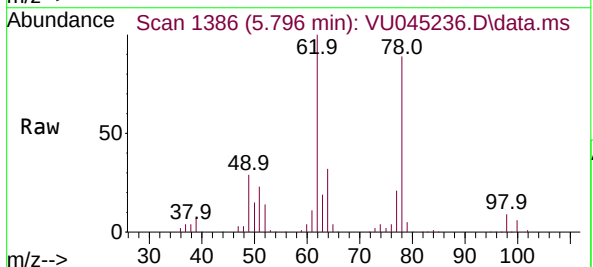
Tgt Ion: 83 Resp: 231077  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.6 84.6

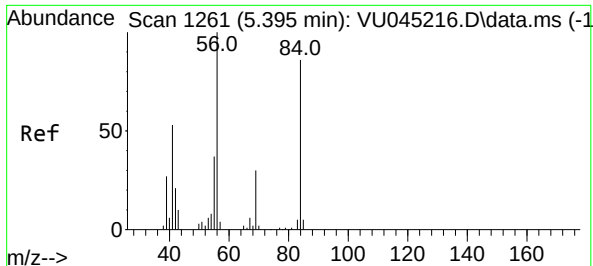


#27

1,2-Dichloroethane  
Concen: 47.401 ug/L  
RT: 5.796 min Scan# 1386  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 62 Resp: 194054  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 46.911 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU045236.D

Acq: 08 Oct 2021 03:26

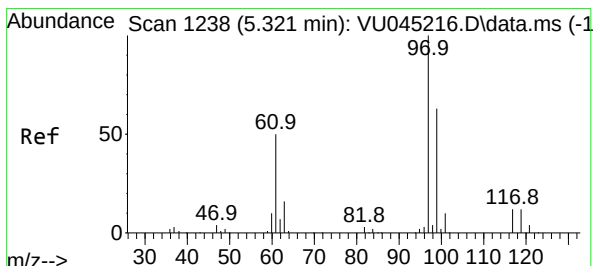
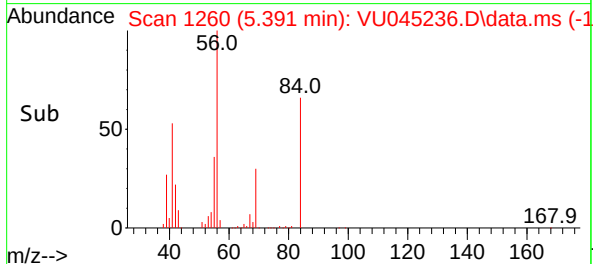
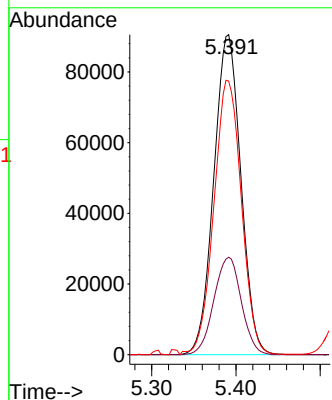
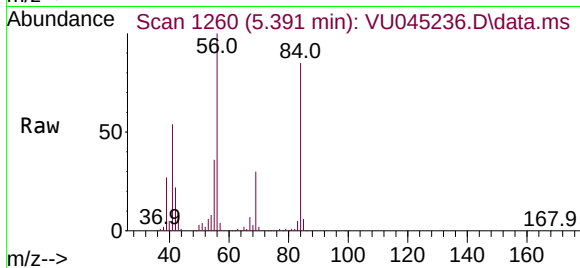
Tgt Ion: 56 Resp: 202000

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

84 87.0 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 47.320 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU045236.D

Acq: 08 Oct 2021 03:26

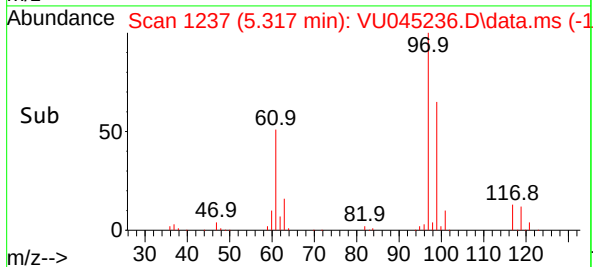
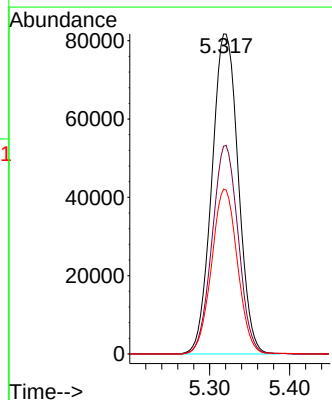
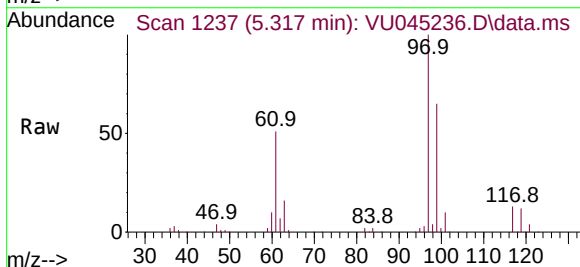
Tgt Ion: 97 Resp: 187649

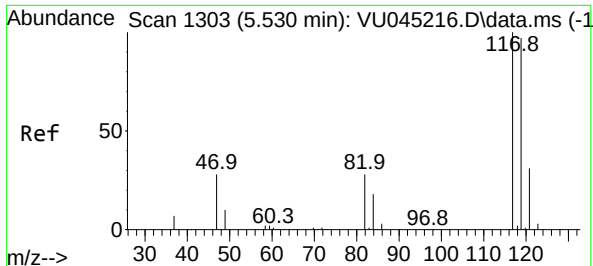
Ion Ratio Lower Upper

97 100

99 64.4 50.6 75.8

61 50.5 41.3 61.9

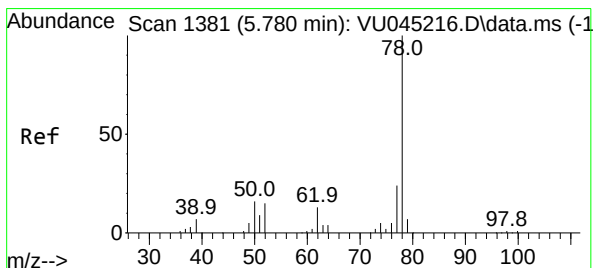
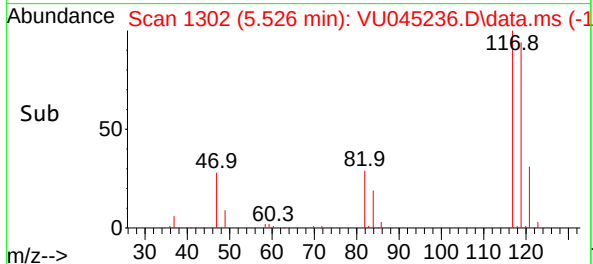
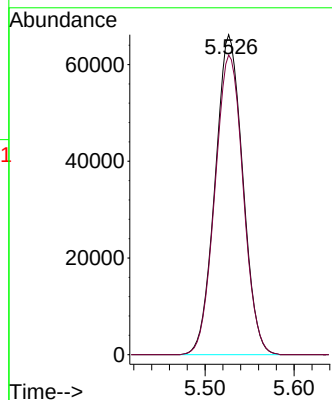
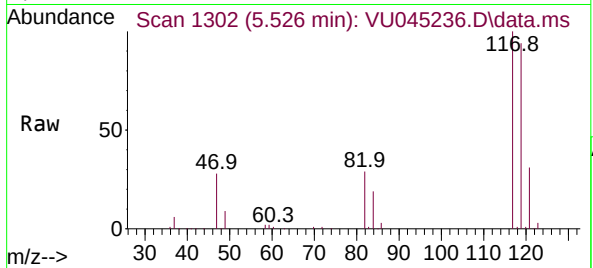




#31  
Carbon tetrachloride  
Concen: 45.528 ug/L  
RT: 5.526 min Scan# 1302  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

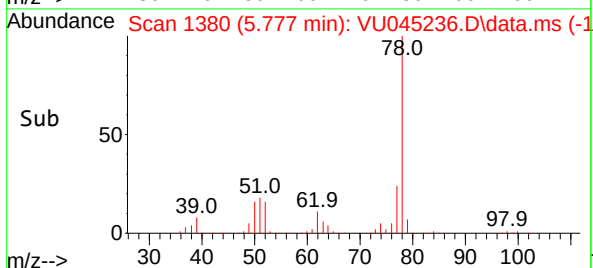
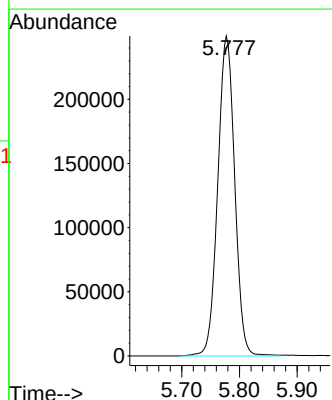
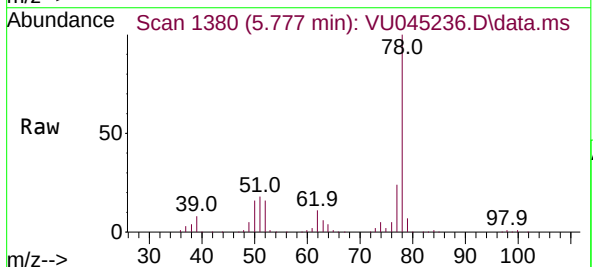
Instrument :  
MSVOA\_U  
ClientSampled :

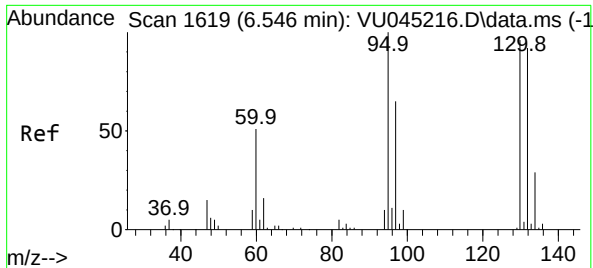
Tgt Ion:117 Resp: 142595  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.7 116.5



#33  
Benzene  
Concen: 47.828 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 78 Resp: 508167

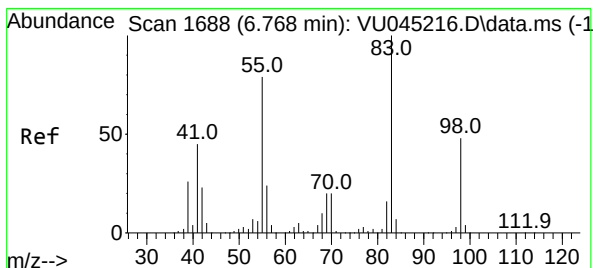
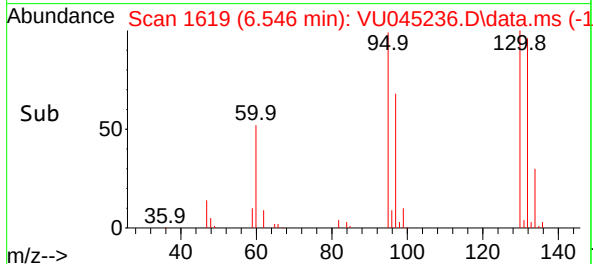
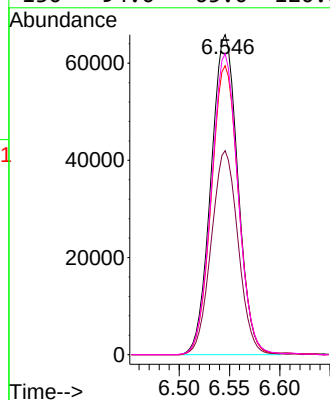
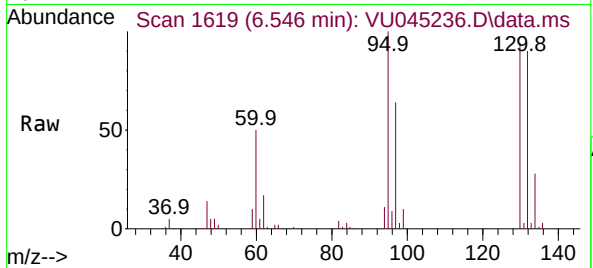




#34  
Trichloroethene  
Concen: 48.050 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

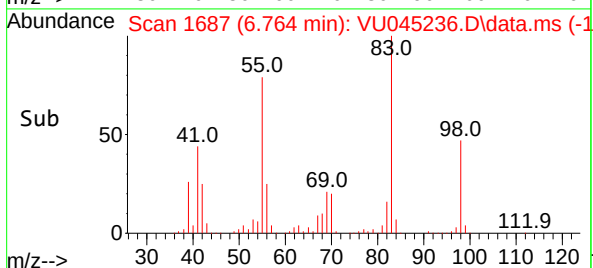
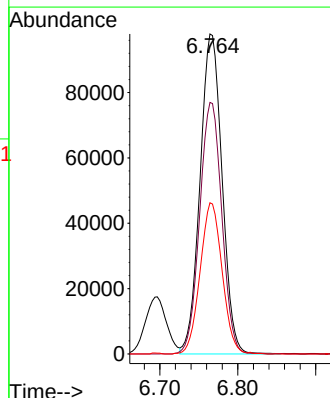
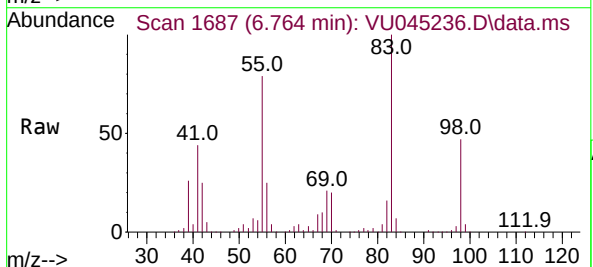
Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 95 Resp: 122623  
Ion Ratio Lower Upper  
95 100  
97 63.7 44.4 82.4  
132 90.3 62.9 116.9  
130 94.0 65.0 120.8

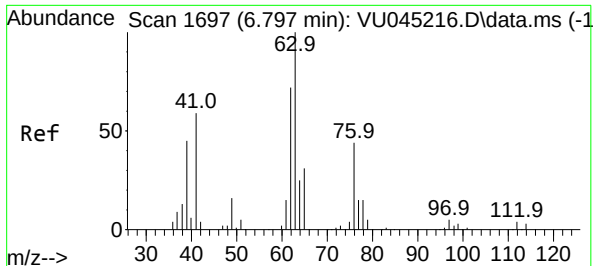


#35  
Methylcyclohexane  
Concen: 45.055 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 83 Resp: 192502  
Ion Ratio Lower Upper  
83 100  
55 79.0 65.8 98.6  
98 47.2 37.1 55.7





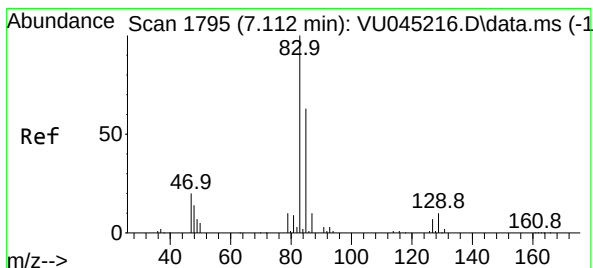
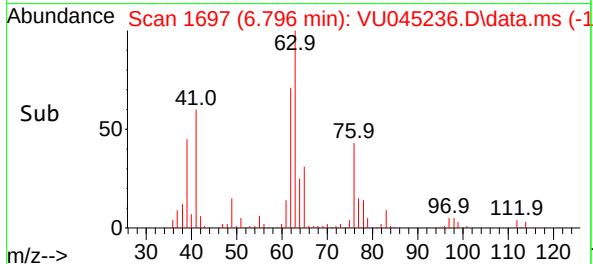
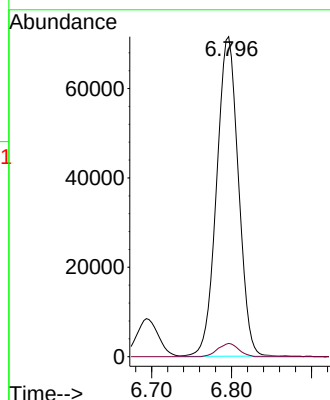
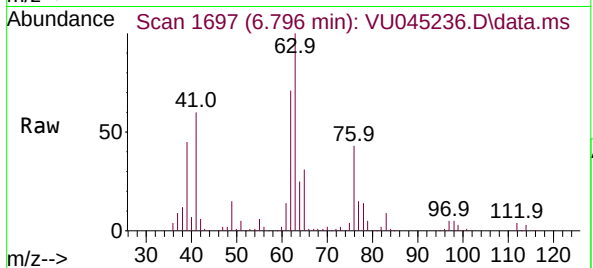


#37

1,2-Dichloropropane  
Concen: 46.600 ug/L  
RT: 6.796 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampled :

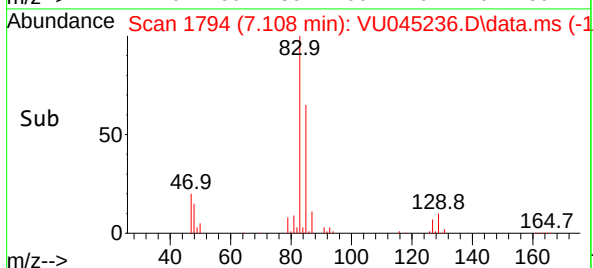
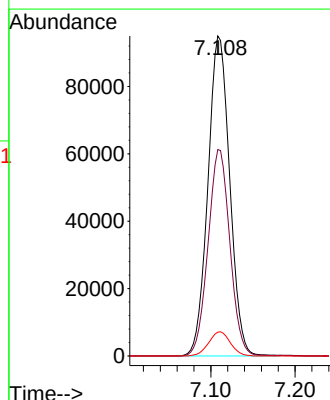
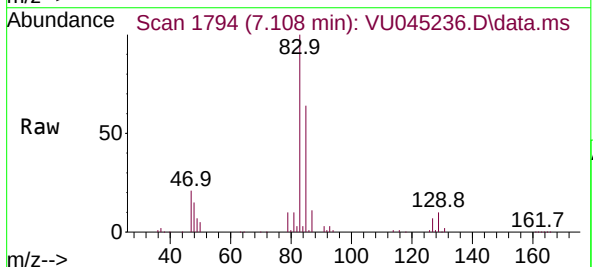
Tgt Ion: 63 Resp: 134806  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.2 4.8

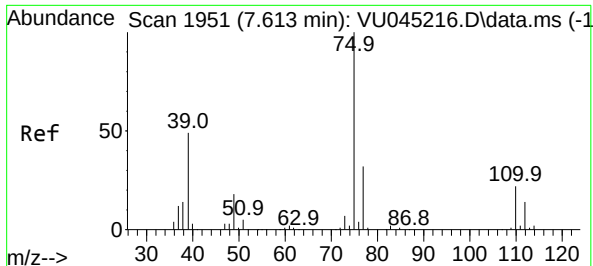


#38

Bromodichloromethane  
Concen: 48.227 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 83 Resp: 171015  
Ion Ratio Lower Upper  
83 100  
85 64.5 44.6 82.8  
127 7.5 6.2 9.2



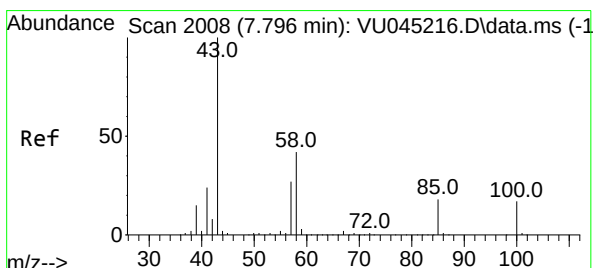
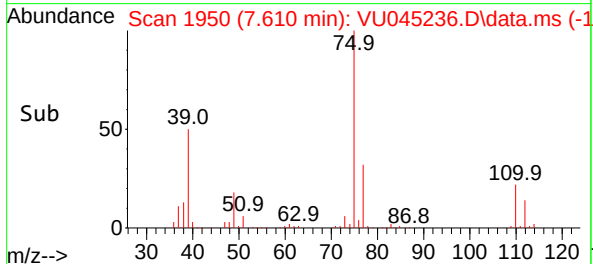
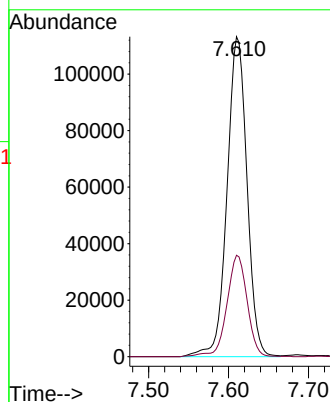
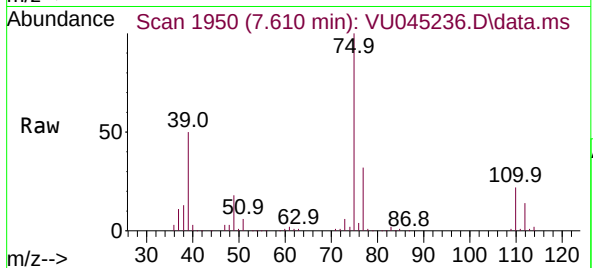


#39

cis-1,3-Dichloropropene  
Concen: 47.438 ug/L  
RT: 7.610 min Scan# 1950  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampled :

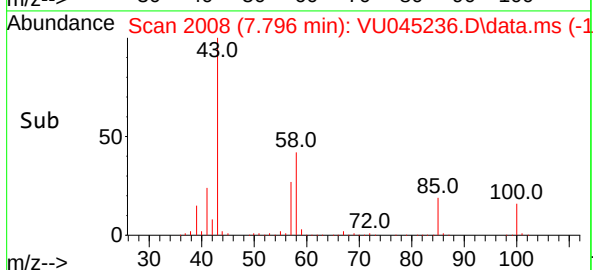
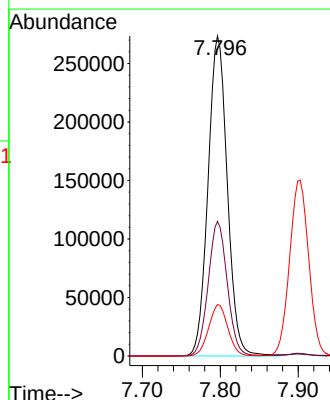
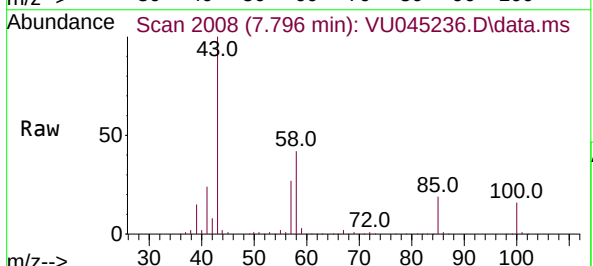
Tgt Ion: 75 Resp: 196355  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.4 41.6

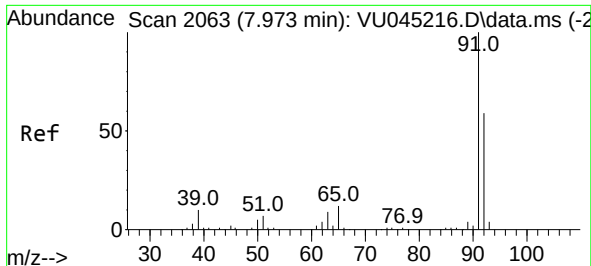


#40

4-Methyl-2-pentanone  
Concen: 97.373 ug/L  
RT: 7.796 min Scan# 2008  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 43 Resp: 470550  
Ion Ratio Lower Upper  
43 100  
58 41.7 31.8 47.8  
100 16.0 11.8 17.6

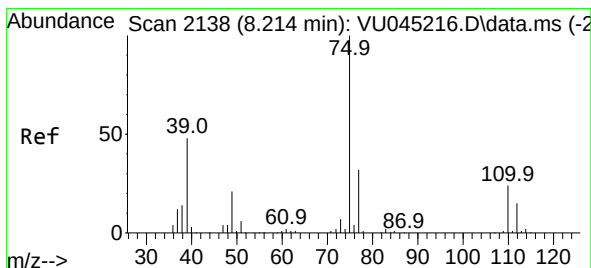
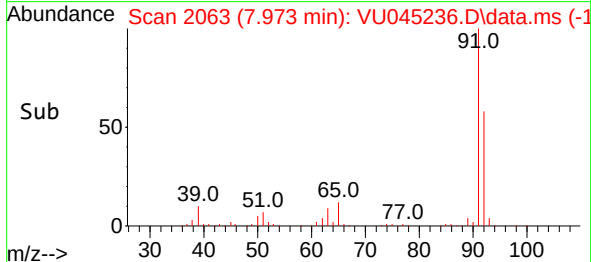
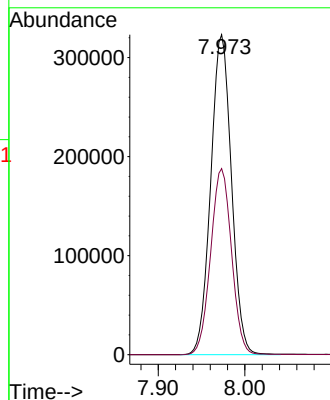
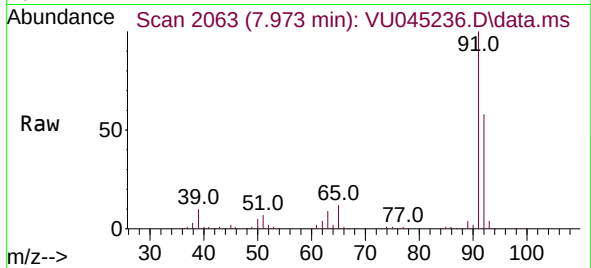




#42  
Toluene  
Concen: 49.758 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

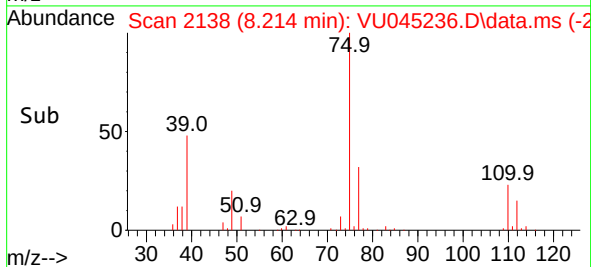
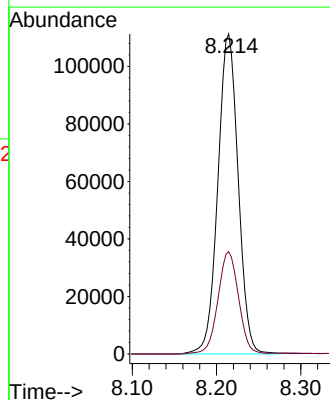
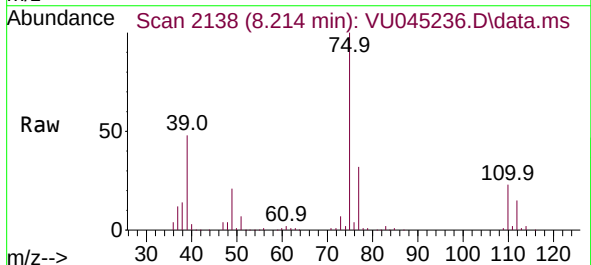
Instrument :  
MSVOA\_U  
ClientSampled :

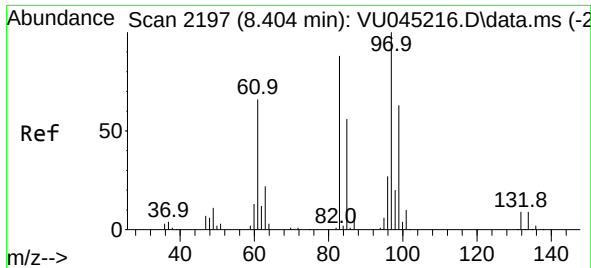
Tgt Ion: 91 Resp: 537164  
Ion Ratio Lower Upper  
91 100  
92 58.2 40.5 75.1



#44  
trans-1,3-Dichloropropene  
Concen: 47.335 ug/L  
RT: 8.214 min Scan# 2138  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 75 Resp: 186302  
Ion Ratio Lower Upper  
75 100  
77 32.0 21.7 40.3



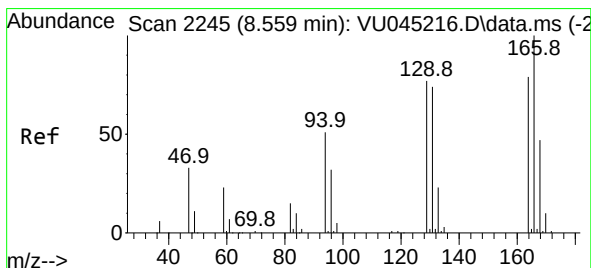
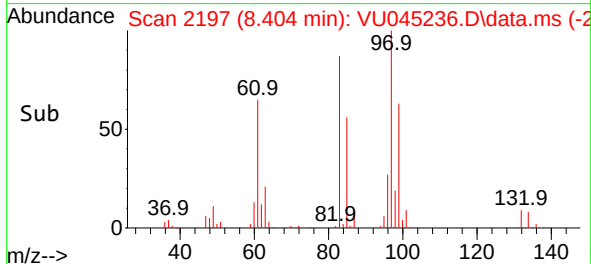
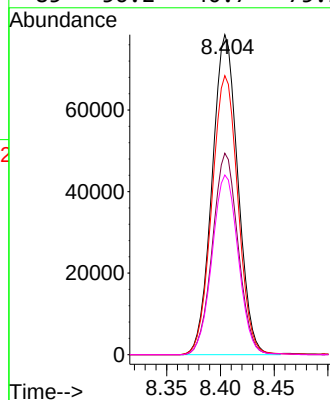
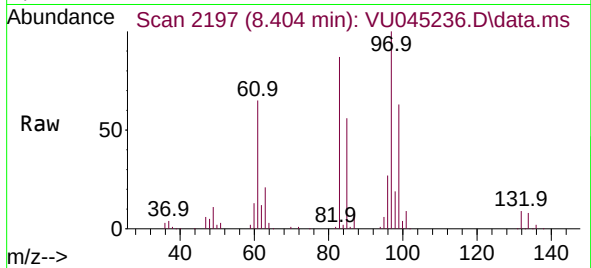


#45  
1,1,2-Trichloroethane  
Concen: 50.014 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 97 Resp: 131118

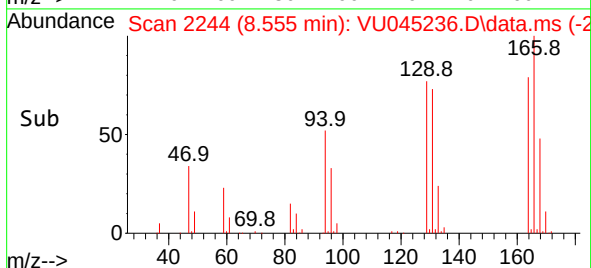
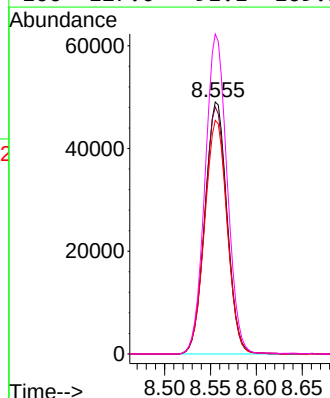
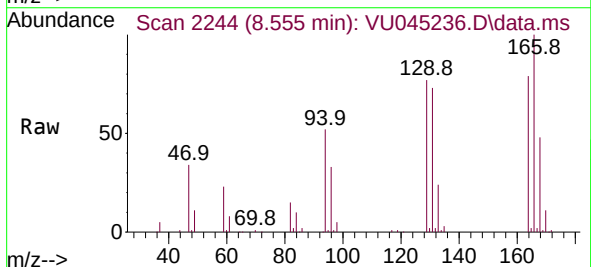
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.0  | 43.7  | 81.1  |
| 83  | 87.2  | 61.9  | 115.1 |
| 85  | 56.2  | 40.7  | 75.5  |

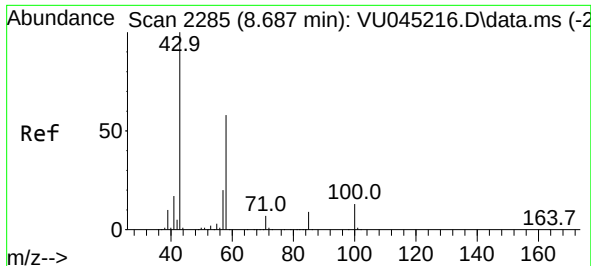


#46  
Tetrachloroethene  
Concen: 45.336 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 164 Resp: 82697

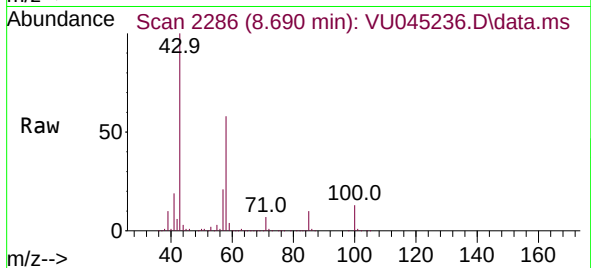
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.0  | 69.8  | 129.6 |
| 131 | 92.7  | 66.4  | 123.2 |
| 166 | 127.0 | 91.1  | 169.3 |



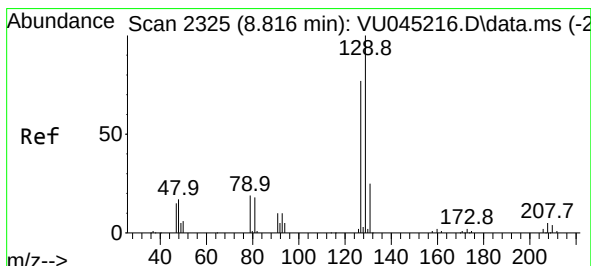
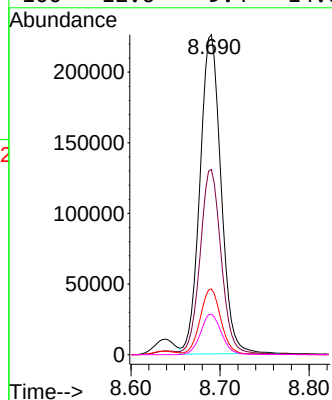
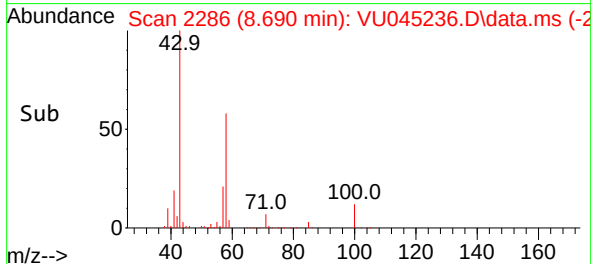


#48  
2-Hexanone  
Concen: 86.477 ug/L  
RT: 8.690 min Scan# 2286  
Delta R.T. 0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

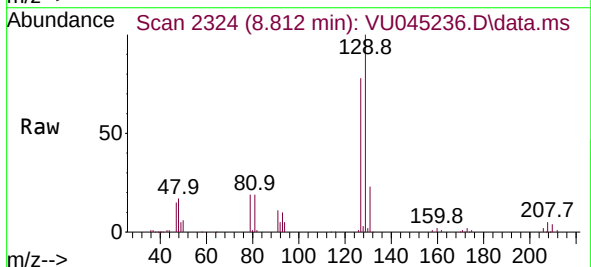
Instrument :  
MSVOA\_U  
ClientSampled :



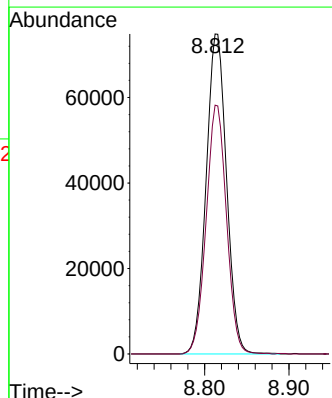
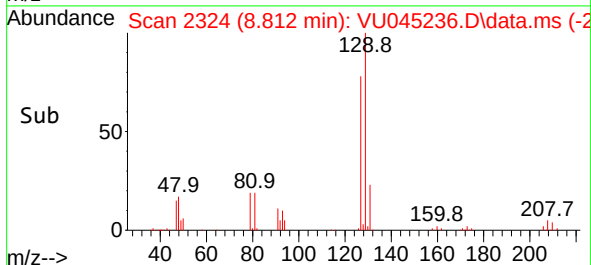
Tgt Ion: 43 Resp: 370579  
Ion Ratio Lower Upper  
43 100  
58 58.5 44.9 67.3  
57 20.4 15.5 23.3  
100 12.6 9.4 14.0

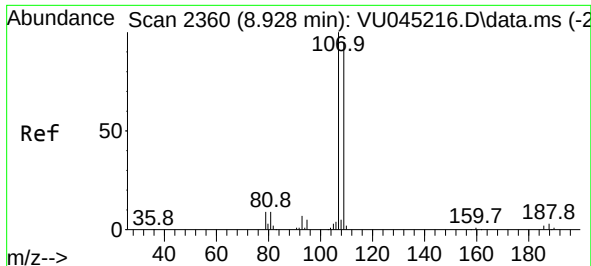


#49  
Dibromochloromethane  
Concen: 48.689 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26



Tgt Ion: 129 Resp: 126240  
Ion Ratio Lower Upper  
129 100  
127 77.7 54.3 100.8

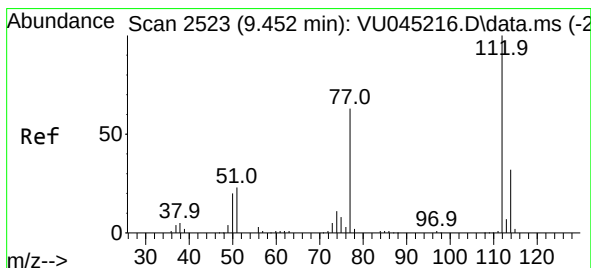
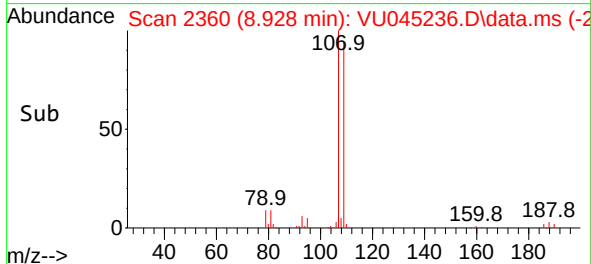
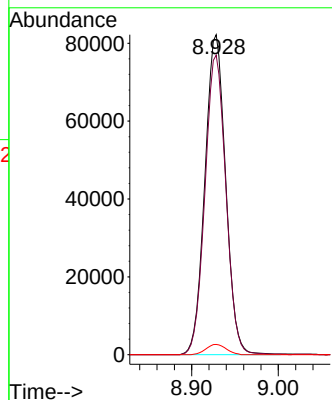
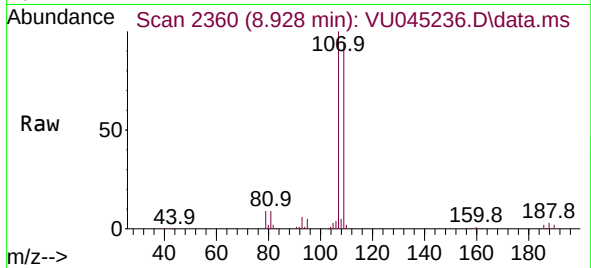




#50  
1,2-Dibromoethane  
Concen: 49.897 ug/L  
RT: 8.928 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

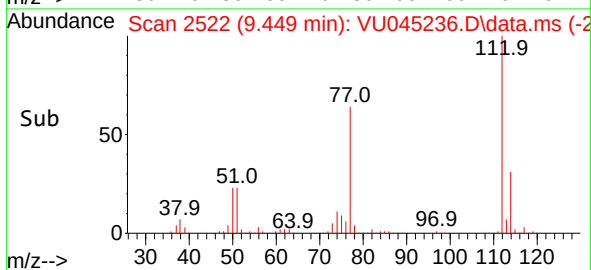
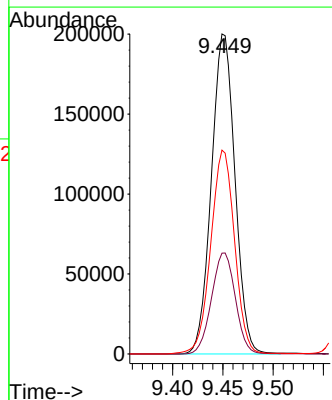
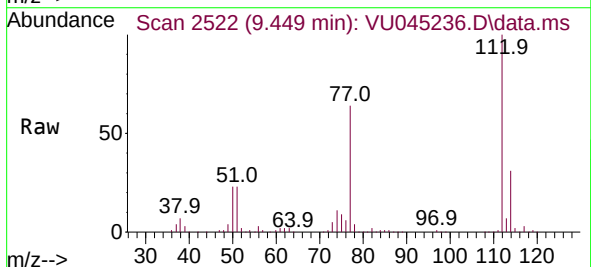
Instrument :  
MSVOA\_U  
ClientSampled :

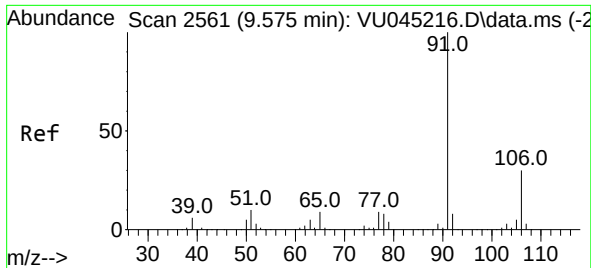
Tgt Ion:107 Resp: 136959  
Ion Ratio Lower Upper  
107 100  
109 93.6 65.5 121.6  
188 3.2 2.6 3.8



#51  
Chlorobenzene  
Concen: 49.038 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:112 Resp: 326824  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.5 41.9  
77 63.7 50.6 75.8

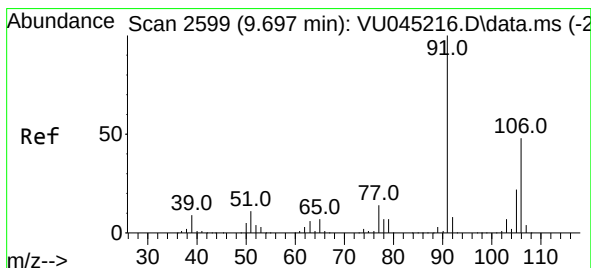
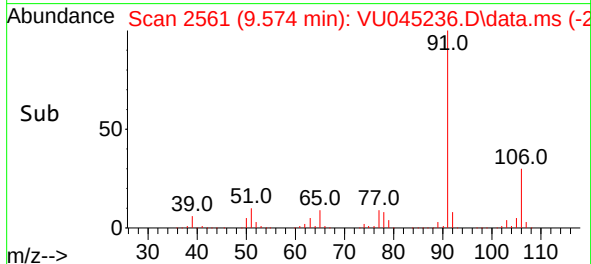
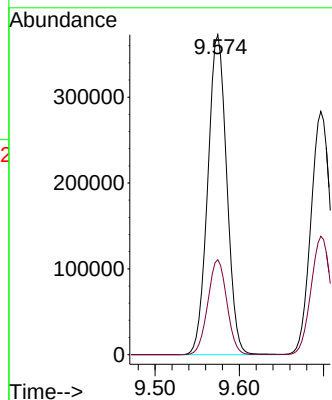
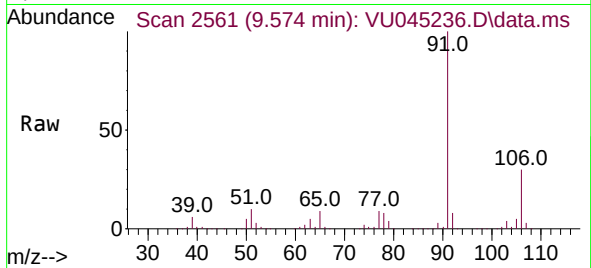




#52  
Ethylbenzene  
Concen: 51.207 ug/L  
RT: 9.574 min Scan# 2561  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

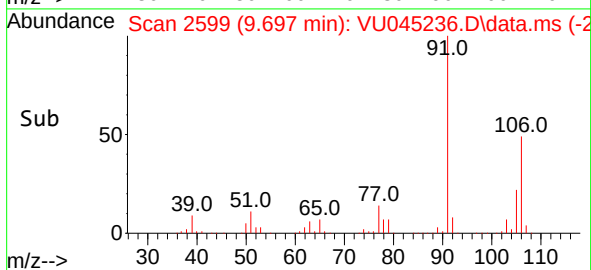
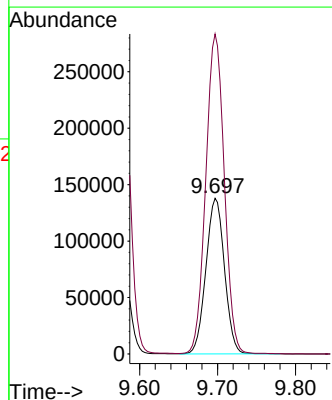
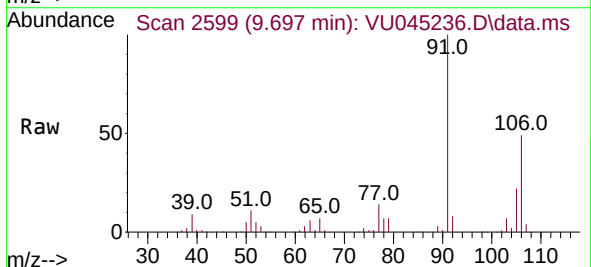
Instrument :  
MSVOA\_U  
ClientSampled :

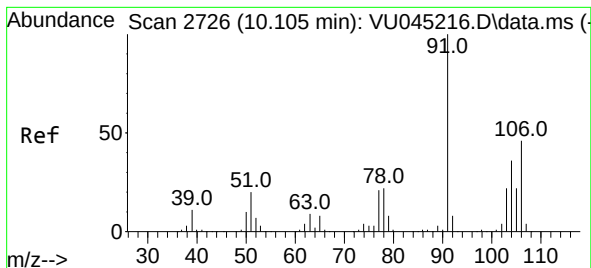
Tgt Ion: 91 Resp: 583978  
Ion Ratio Lower Upper  
91 100  
106 29.7 21.2 39.4



#53  
m,p-Xylene  
Concen: 52.786 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 106 Resp: 228046  
Ion Ratio Lower Upper  
106 100  
91 205.5 146.7 272.4





#54

o-xylene

Concen: 53.198 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU045236.D

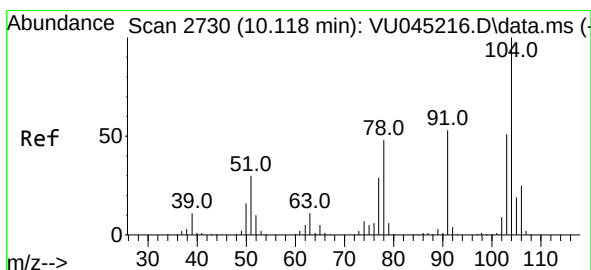
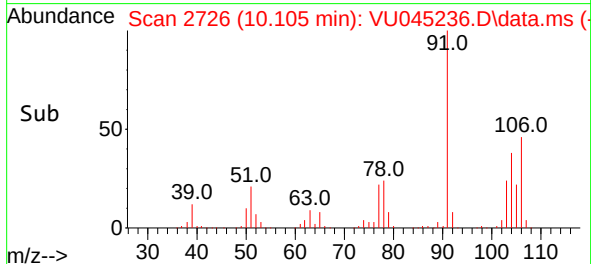
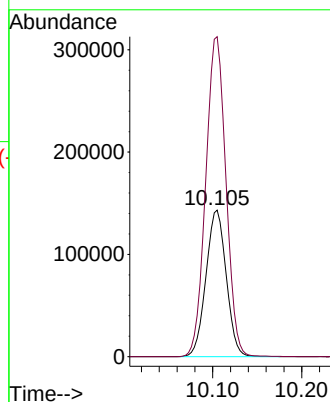
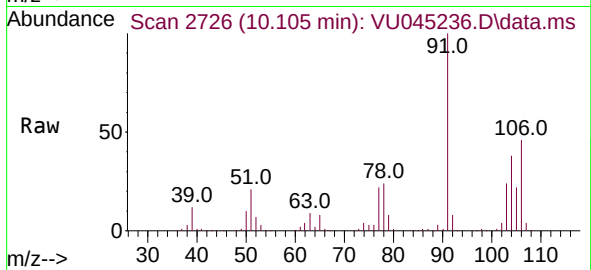
Acq: 08 Oct 2021 03:26

Tgt Ion:106 Resp: 225841

Ion Ratio Lower Upper

106 100

91 218.4 152.9 283.9



#55

Styrene

Concen: 52.537 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU045236.D

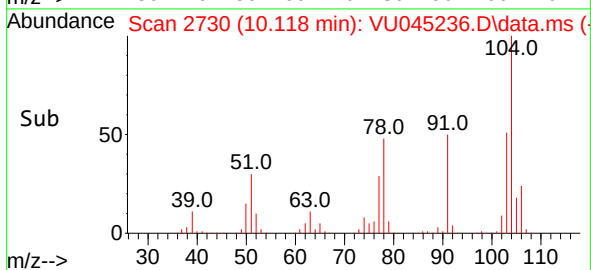
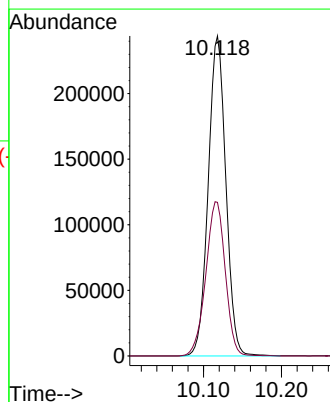
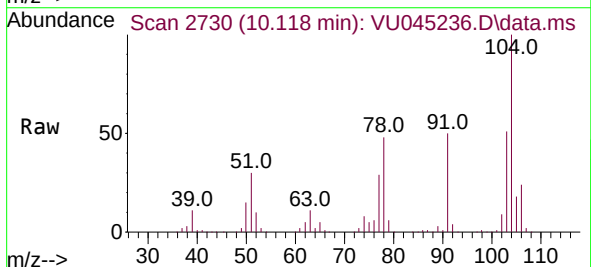
Acq: 08 Oct 2021 03:26

Tgt Ion:104 Resp: 383554

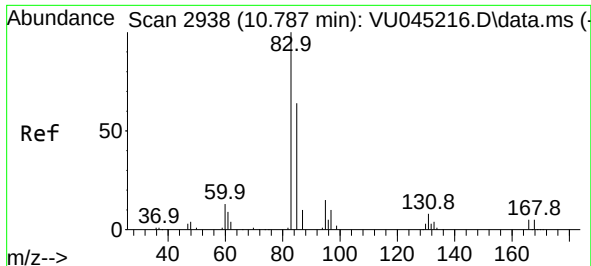
Ion Ratio Lower Upper

104 100

78 48.0 33.3 61.9



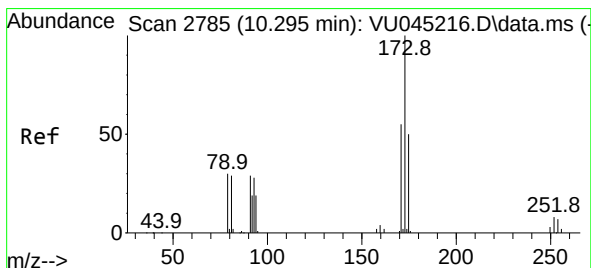
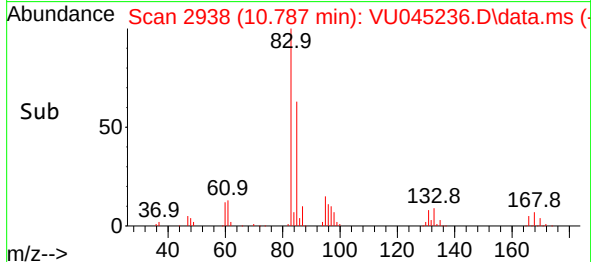
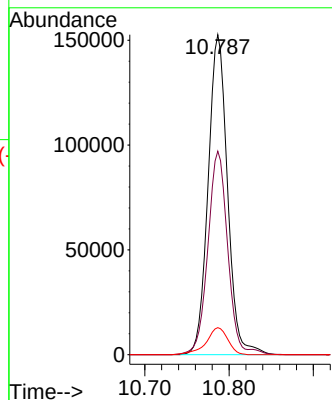
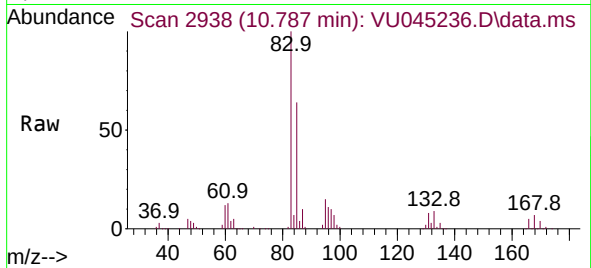




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.626 ug/L  
RT: 10.787 min Scan# 2938  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

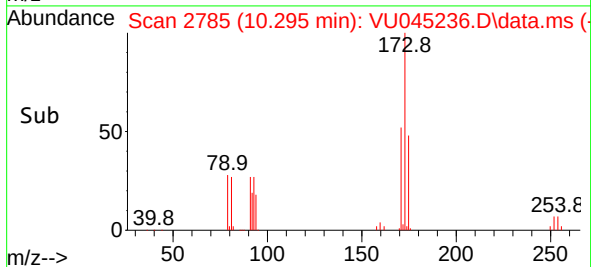
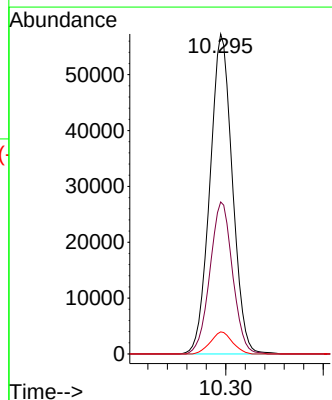
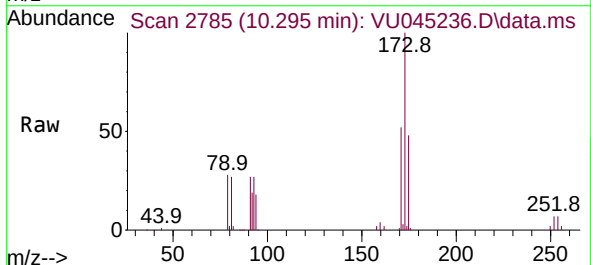
Instrument :  
MSVOA\_U  
ClientSampleId :

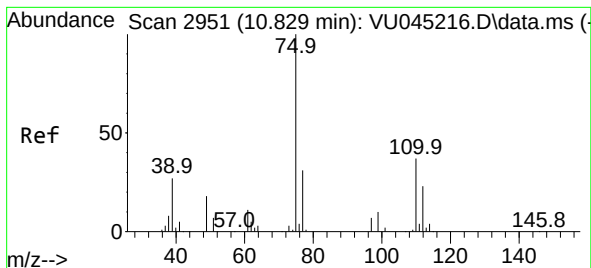
Tgt Ion: 83 Resp: 244092  
Ion Ratio Lower Upper  
83 100  
85 63.6 45.1 83.7  
131 8.4 6.9 10.3



#59  
Bromoform  
Concen: 52.973 ug/L  
RT: 10.295 min Scan# 2785  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:173 Resp: 91736  
Ion Ratio Lower Upper  
173 100  
175 47.8 38.4 57.6  
254 6.7 5.3 7.9

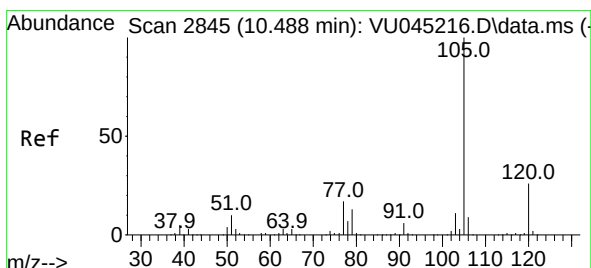
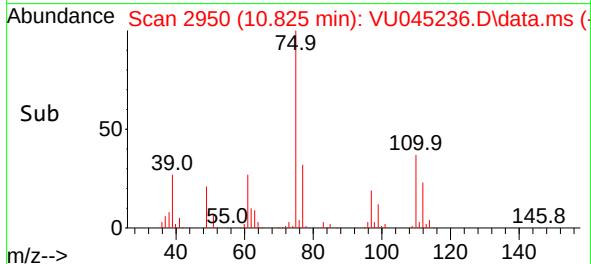
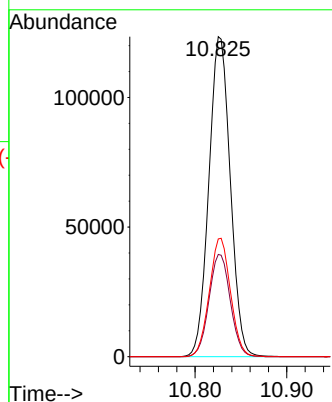
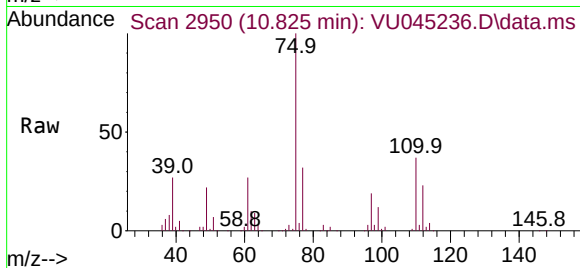




#60  
1,2,3-Trichloropropane  
Concen: 51.860 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.003 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

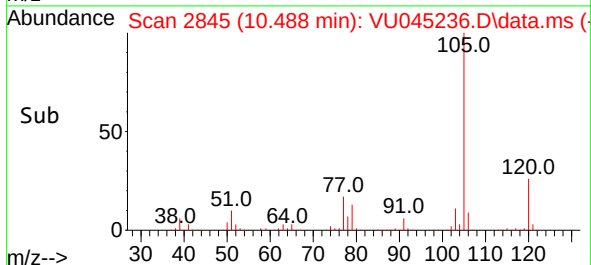
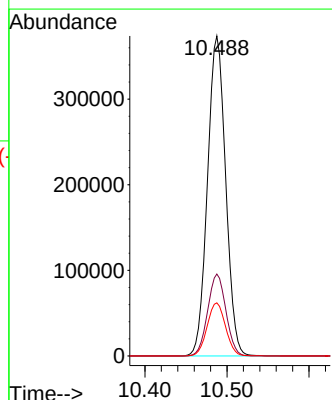
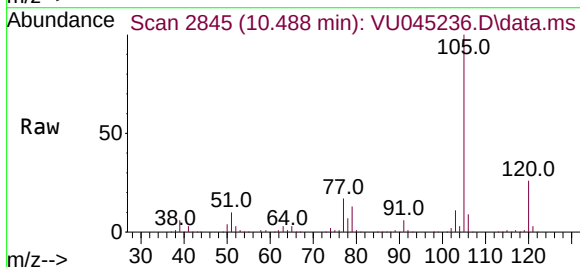
Instrument :  
MSVOA\_U  
ClientSampled :

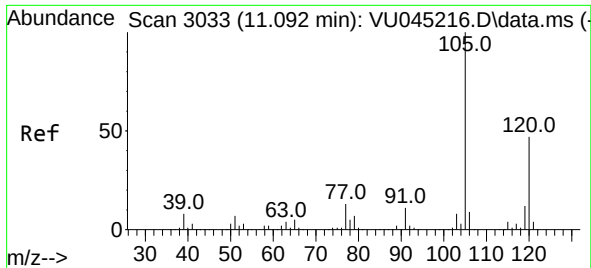
Tgt Ion: 75 Resp: 200284  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3  
110 36.5 29.0 43.4



#61  
Isopropylbenzene  
Concen: 56.243 ug/L  
RT: 10.488 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion: 105 Resp: 574743  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.5 30.7  
77 16.8 13.5 20.3

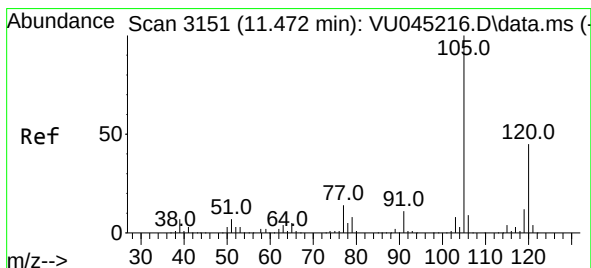
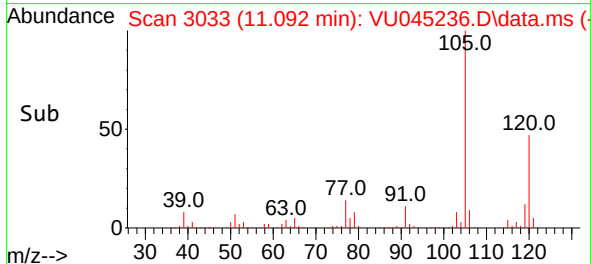
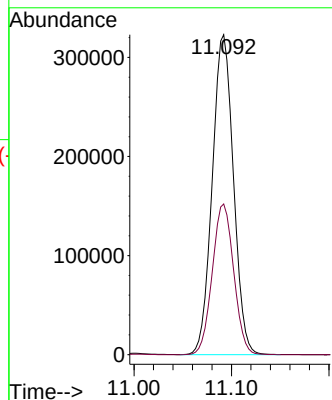
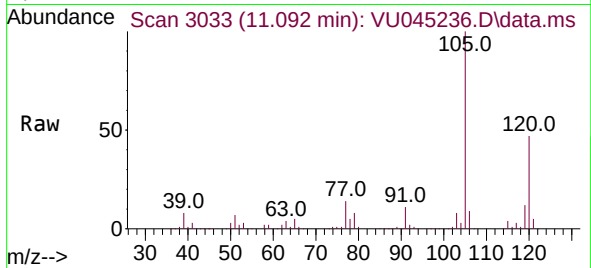




#62  
1,3,5-Trimethylbenzene  
Concen: 57.151 ug/L  
RT: 11.092 min Scan# 3033  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

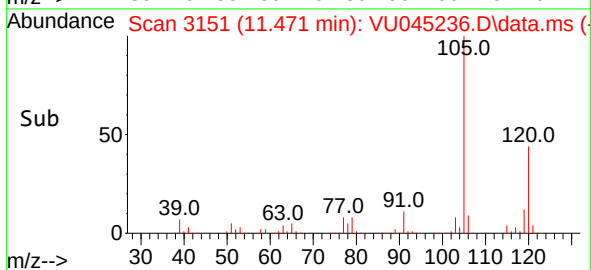
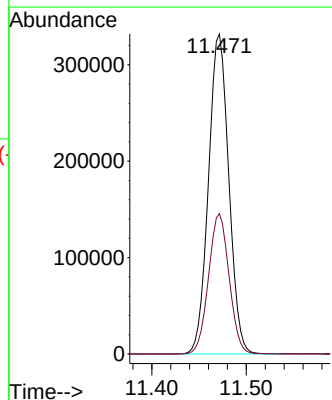
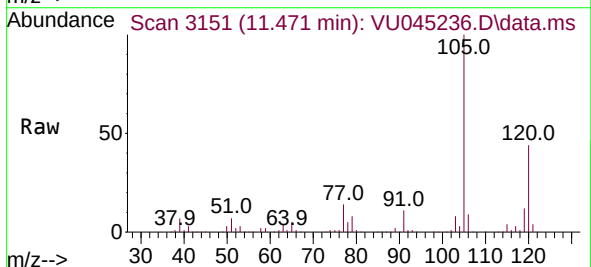
Instrument :  
MSVOA\_U  
ClientSampled :

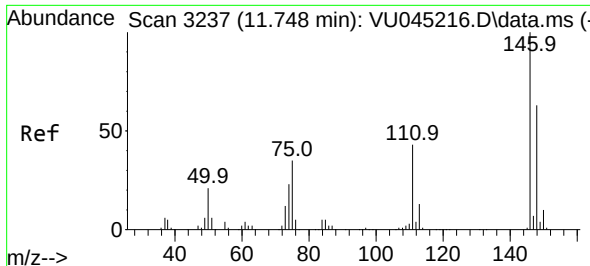
Tgt Ion:105 Resp: 487743  
Ion Ratio Lower Upper  
105 100  
120 47.6 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 56.755 ug/L  
RT: 11.471 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:105 Resp: 495995  
Ion Ratio Lower Upper  
105 100  
120 44.3 35.7 53.5

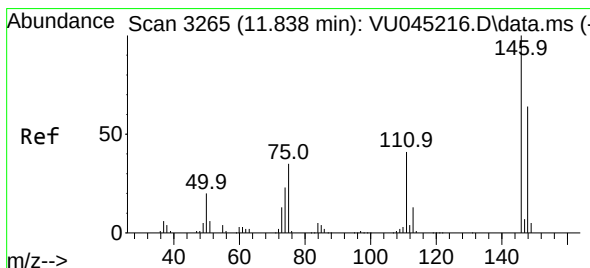
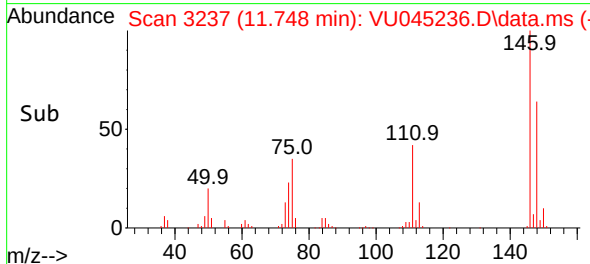
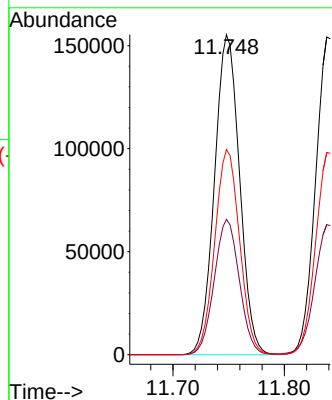
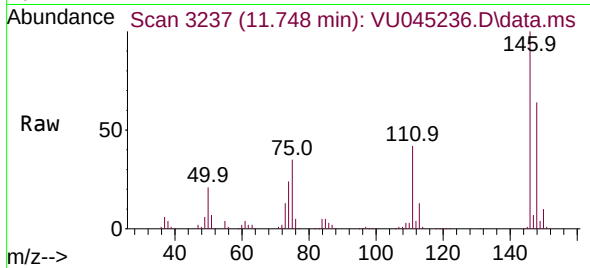




#64  
1,3-Dichlorobenzene  
Concen: 51.481 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

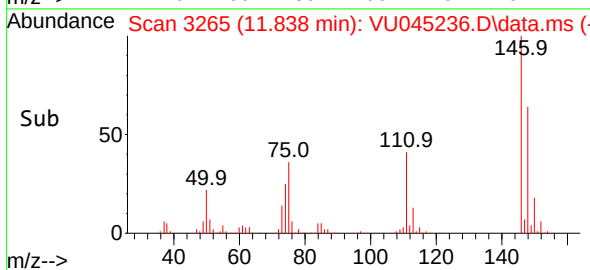
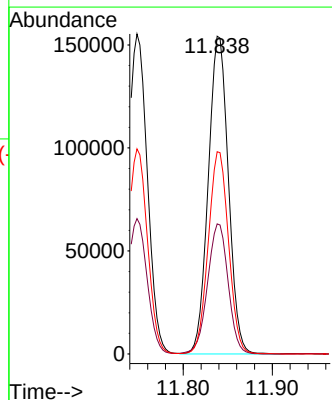
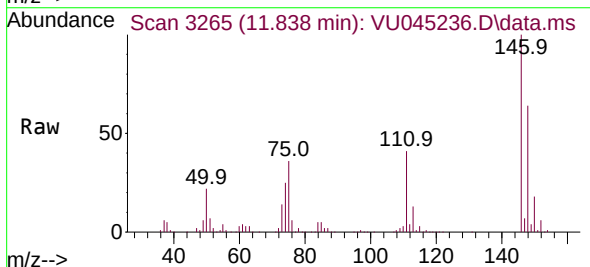
Instrument :  
MSVOA\_U  
ClientSampleId :

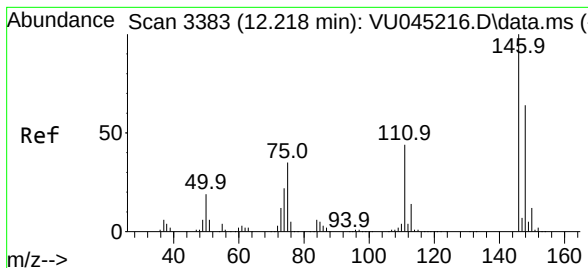
Tgt Ion:146 Resp: 243122  
Ion Ratio Lower Upper  
146 100  
111 42.3 29.0 53.8  
148 64.1 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 49.846 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:146 Resp: 241521  
Ion Ratio Lower Upper  
146 100  
111 40.9 28.5 52.9  
148 63.6 45.5 84.5

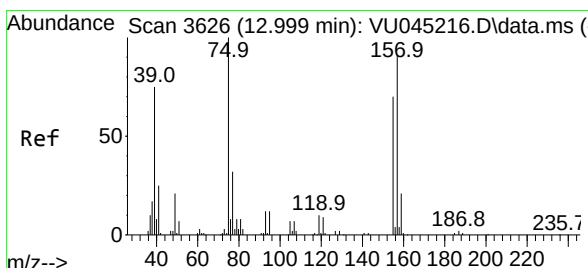
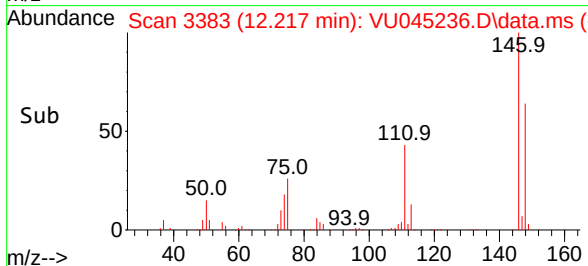
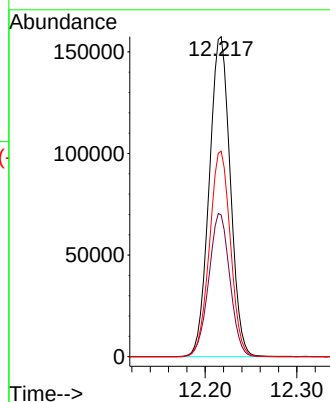
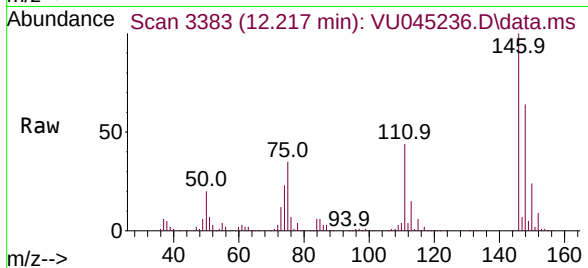




#67  
1,2-Dichlorobenzene  
Concen: 51.758 ug/L  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

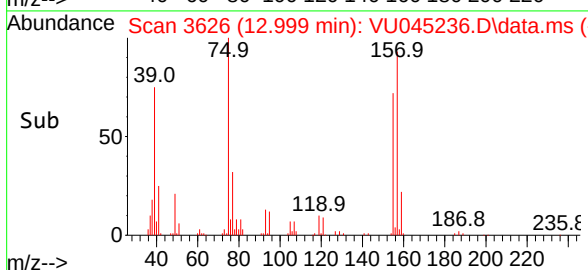
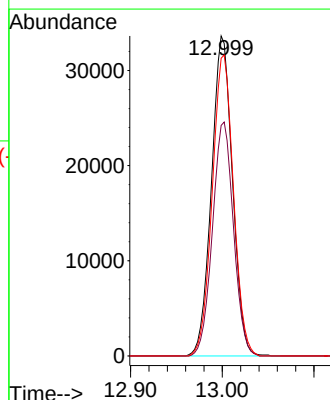
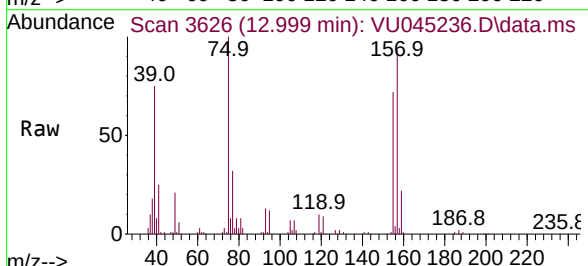
Instrument :  
MSVOA\_U  
ClientSampleId :

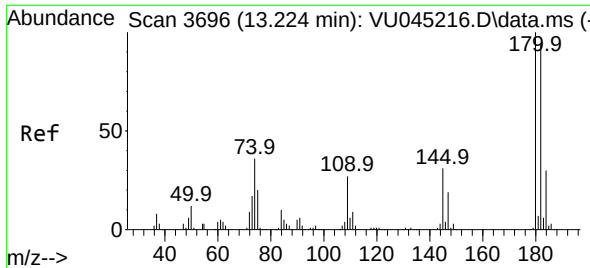
Tgt Ion:146 Resp: 250929  
Ion Ratio Lower Upper  
146 100  
111 44.3 34.7 52.1  
148 64.2 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.218 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

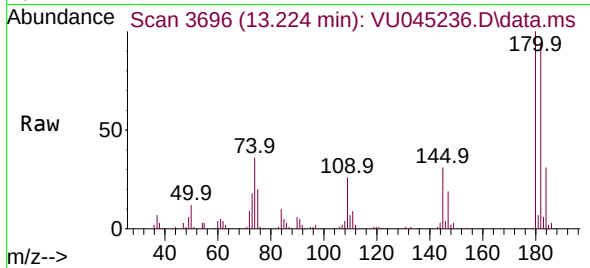
Tgt Ion: 75 Resp: 53515  
Ion Ratio Lower Upper  
75 100  
155 72.0 58.5 87.7  
157 93.1 77.7 116.5





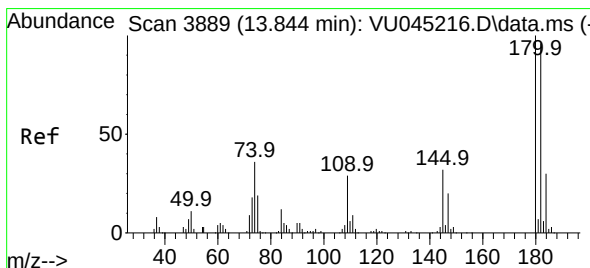
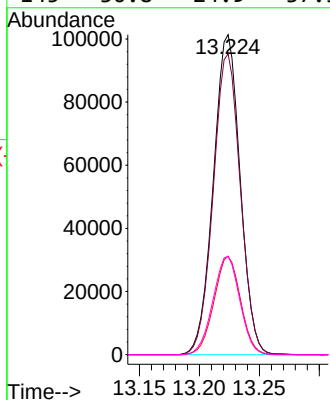
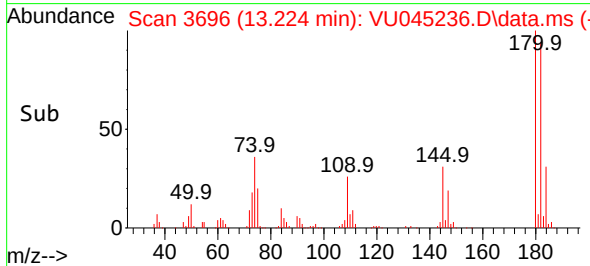
#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.003 ug/L  
 RT: 13.224 min Scan# 3696  
 Delta R.T. -0.000 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26

Instrument :  
 MSVOA\_U  
 ClientSampleId :

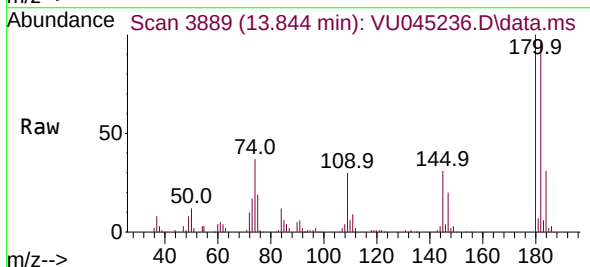


Tgt Ion:180 Resp: 157325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.0  | 76.8  | 115.2 |
| 184 | 30.4  | 24.4  | 36.6  |
| 145 | 30.8  | 24.9  | 37.3  |

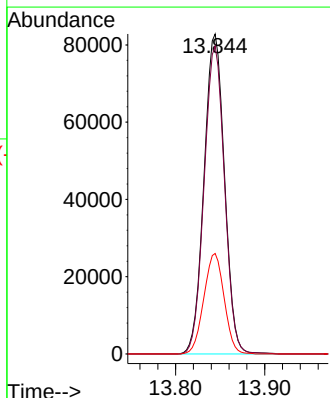
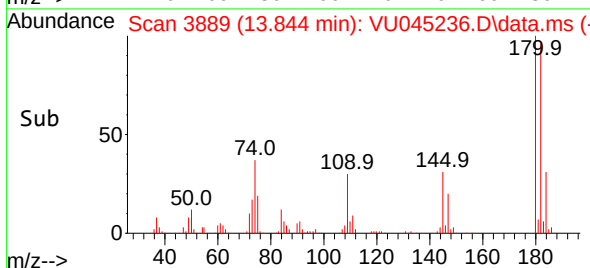


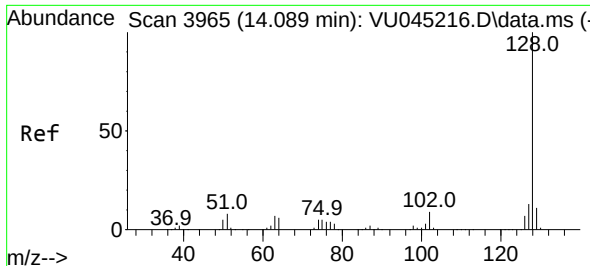
#70  
 1,2,4-trichlorobenzene  
 Concen: 48.578 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. -0.000 min  
 Lab File: VU045236.D  
 Acq: 08 Oct 2021 03:26



Tgt Ion:180 Resp: 132300

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.5  | 76.2  | 114.2 |
| 145 | 31.1  | 25.4  | 38.0  |

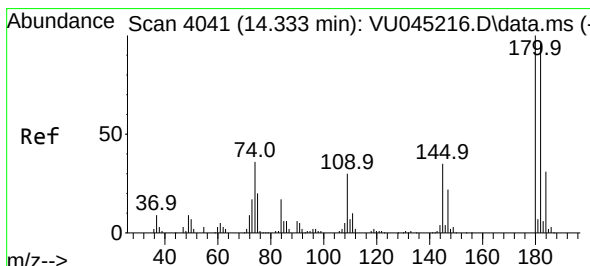
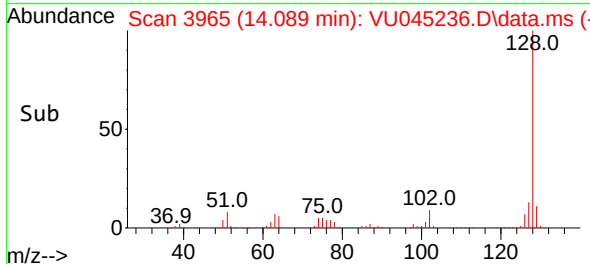
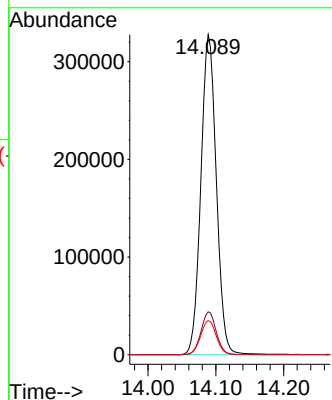
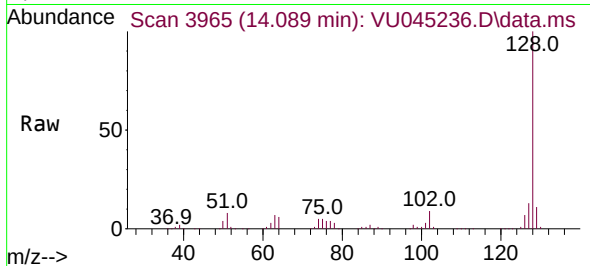




#71  
Naphthalene  
Concen: 54.985 ug/L  
RT: 14.089 min Scan# 3965  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 518925  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.8 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 49.261 ug/L  
RT: 14.333 min Scan# 4041  
Delta R.T. -0.000 min  
Lab File: VU045236.D  
Acq: 08 Oct 2021 03:26

Tgt Ion:180 Resp: 137266  
Ion Ratio Lower Upper  
180 100  
182 95.7 76.8 115.2  
145 32.9 26.5 39.7

