

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051622\  
 Data File : VU048582.D  
 Acq On : 16 May 2022 15:04  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV073

Quant Time: May 17 07:00:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 17 06:52:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 259253     | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 254849     | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 152237     | 50.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 71861      | 45.255  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 90.520% |       |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 54434      | 45.757  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 91.520% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 168857     | 47.020  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.040% |       |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 147787     | 97.801  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 97.800% |       |          |
| 24) Chloroform-d              | 5.063          | 84   | 190013     | 47.354  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.700% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 133332     | 47.099  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.200% |       |          |
| 32) Benzene-d6                | 5.729          | 84   | 332652     | 46.901  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.800% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 98508      | 47.310  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.620% |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 324272     | 48.606  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.220% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 60911      | 45.747  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.500% |       |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 111430     | 97.583  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 97.580% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 160016     | 46.443  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.880% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 142801     | 45.885  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.760% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385          | 85   | 129764     | 46.576  | ug/L  | 98       |
| 3) Chloromethane              | 1.526          | 50   | 80819      | 47.014  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.604          | 62   | 86899      | 47.520  | ug/L  | 99       |
| 6) Bromomethane               | 1.854          | 94   | 63179      | 47.857  | ug/L  | 99       |
| 8) Chloroethane               | 1.932          | 64   | 50140      | 46.584  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.137          | 101  | 170628     | 47.796  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581          | 101  | 87902      | 48.288  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.581          | 96   | 80718      | 47.853  | ug/L  | 98       |
| 13) Acetone                   | 2.623          | 43   | 99136      | 80.752  | ug/L  | 100      |
| 14) Carbon disulfide          | 2.793          | 76   | 225797     | 46.128  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.948          | 43   | 99501      | 47.489  | ug/L  | 99       |
| 16) Methylene chloride        | 3.047          | 84   | 92284      | 46.994  | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.353          | 96   | 86138      | 47.347  | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 3.362          | 73   | 308395     | 48.859  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.870          | 63   | 161220     | 48.404  | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.668          | 96   | 98887      | 48.198  | ug/L  | 98       |
| 22) 2-Butanone                | 4.700          | 43   | 146345     | 93.884  | ug/L  | 99       |
| 23) Bromochloromethane        | 4.976          | 128  | 55028      | 48.335  | ug/L  | 97       |
| 25) Chloroform                | 5.089          | 83   | 186528     | 47.979  | ug/L  | 100      |

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 Sample : VSTDICV050  
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV073

Quant Time: May 17 07:00:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 17 06:52:50 2022  
 Response via : Initial Calibration

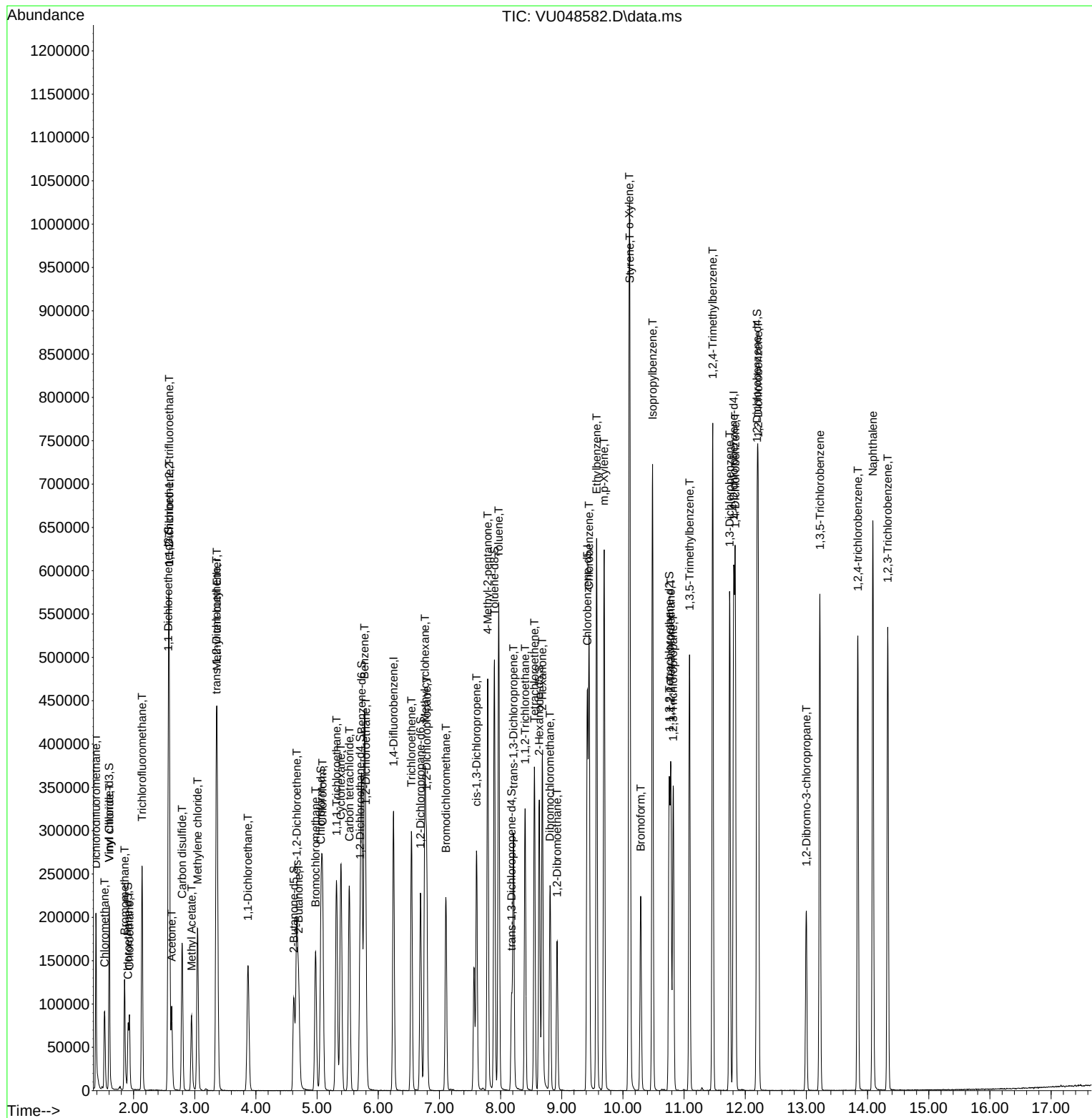
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 163758   | 49.102 | ug/L  | 100      |
| 29) Cyclohexane               | 5.388  | 56   | 125660   | 48.006 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 187541   | 48.601 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 167204   | 47.546 | ug/L  | 98       |
| 33) Benzene                   | 5.774  | 78   | 357454   | 48.009 | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 98936    | 46.967 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.764  | 83   | 146030   | 48.308 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 89900    | 48.289 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 147353   | 48.919 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 157446   | 49.533 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 278585   | 98.056 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 403275   | 49.693 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 165277   | 49.305 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 95663    | 47.983 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 83243    | 48.427 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 226196   | 92.923 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 123804   | 48.300 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 112439   | 48.867 | ug/L  | 94       |
| 51) Chlorobenzene             | 9.446  | 112  | 270828   | 47.849 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 444632   | 47.944 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 177156   | 47.533 | ug/L  | 96       |
| 54) o-Xylene                  | 10.102 | 106  | 174425   | 48.852 | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 305839   | 49.266 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 164091   | 47.622 | ug/L  | 95       |
| 59) Bromoform                 | 10.291 | 173  | 100785   | 48.161 | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 143249   | 47.445 | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 465712   | 49.672 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 268131   | 50.304 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 418765   | 50.524 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 230591   | 47.692 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 234340   | 46.707 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 235143   | 47.815 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 54371    | 46.577 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 178073   | 46.208 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 163521   | 46.915 | ug/L  | 100      |
| 71) Naphthalene               | 14.085 | 128  | 520549   | 45.294 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 165276   | 47.229 | ug/L  | 100      |

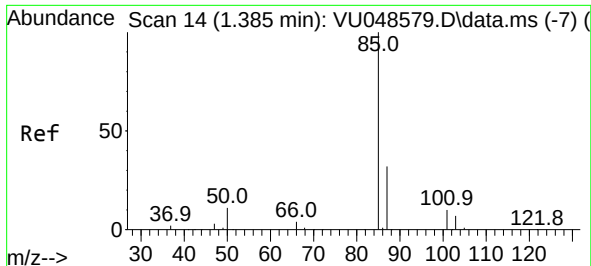
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDICV050  
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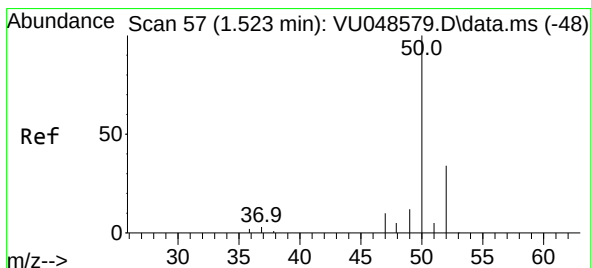
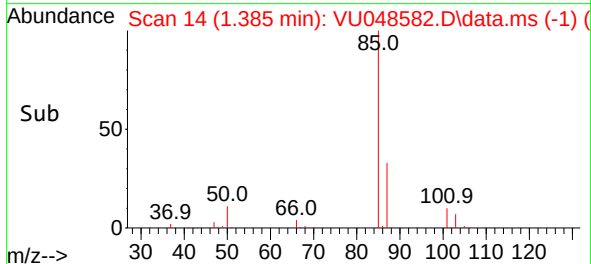
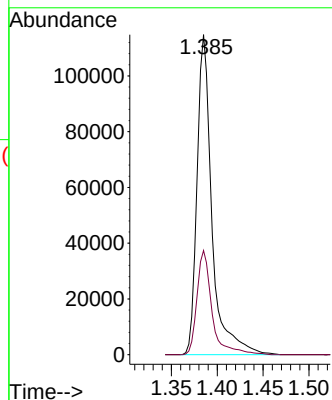
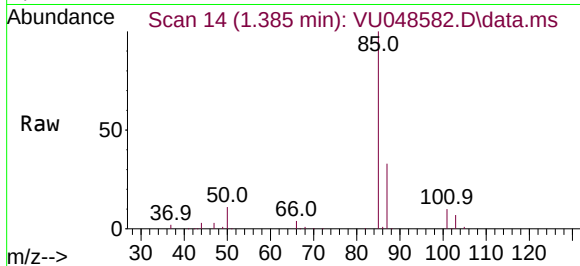




#2  
Dichlorodifluoromethane  
Concen: 46.576 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

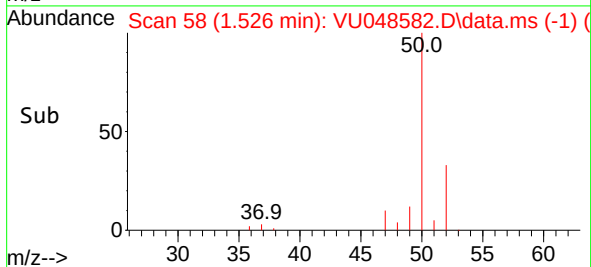
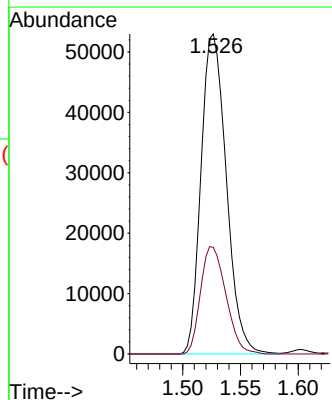
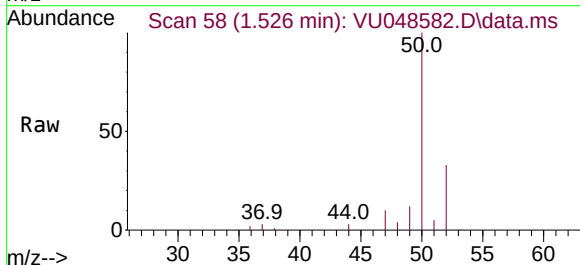
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MSVOA\_U  
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VICV073

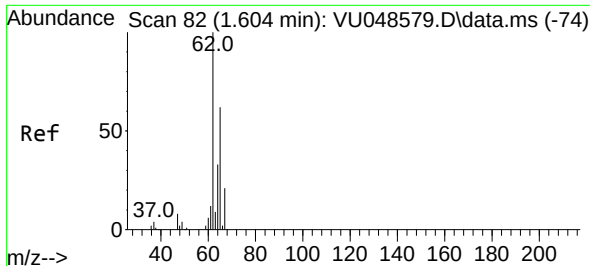
Tgt Ion: 85 Resp: 129764  
Ion Ratio Lower Upper  
85 100  
87 32.9 25.4 38.2



#3  
Chloromethane  
Concen: 47.014 ug/L  
RT: 1.526 min Scan# 58  
Delta R.T. 0.003 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 50 Resp: 80819  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.8 44.2

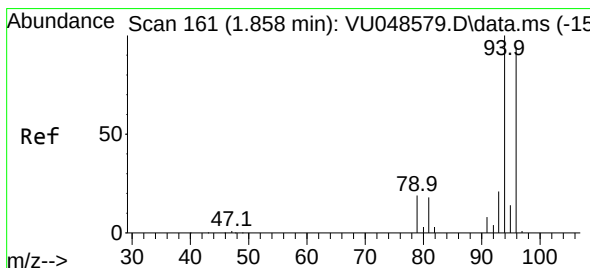
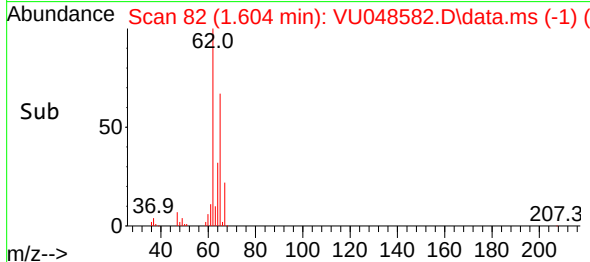
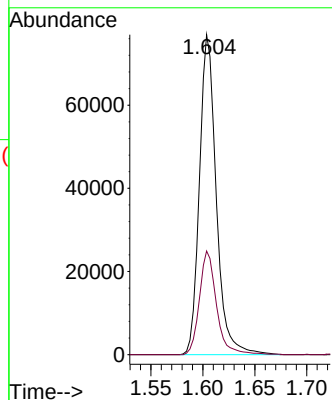
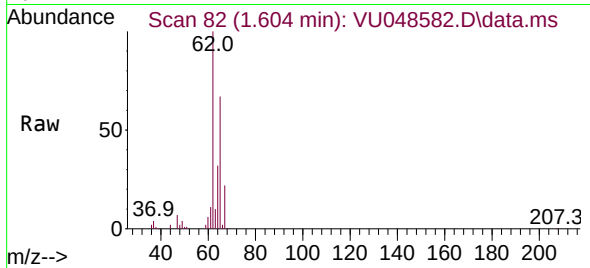




#5  
 Vinyl chloride  
 Concen: 47.520 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

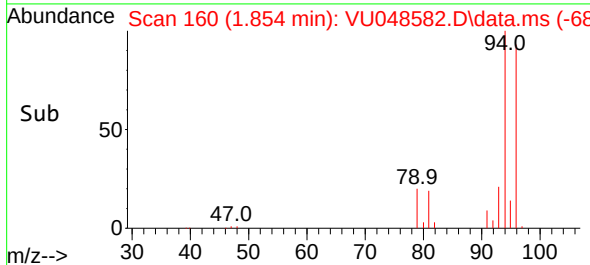
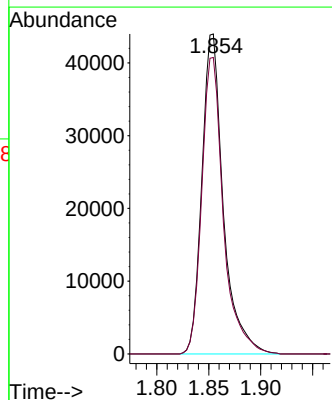
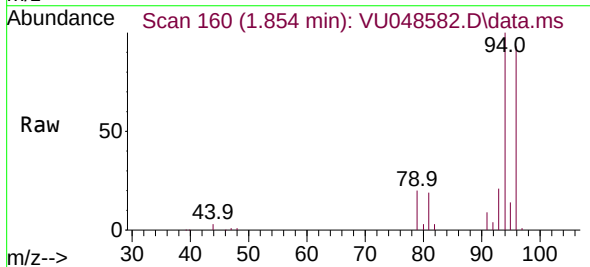
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 ClientSampleId :  
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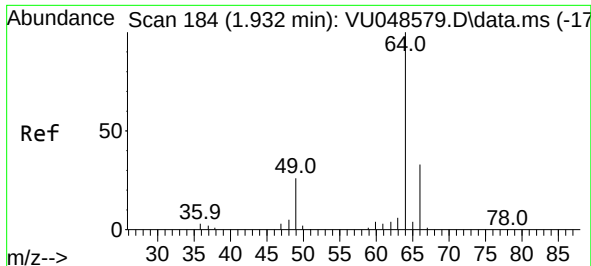
Tgt Ion: 62 Resp: 86899  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 22.9 42.5



#6  
 Bromomethane  
 Concen: 47.857 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. -0.003 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

Tgt Ion: 94 Resp: 63179  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 65.7 121.9

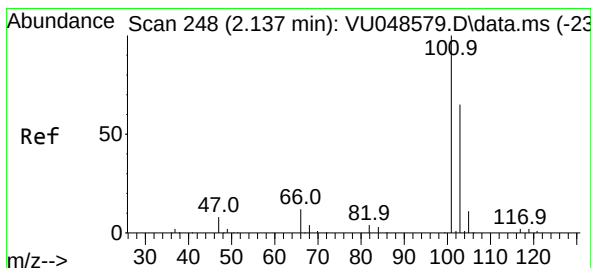
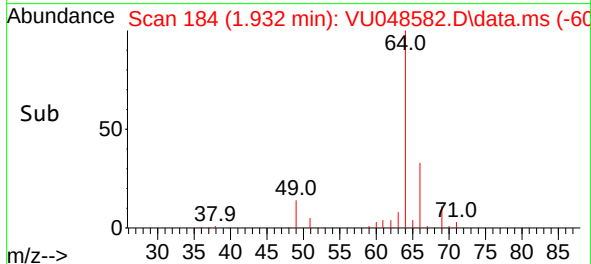
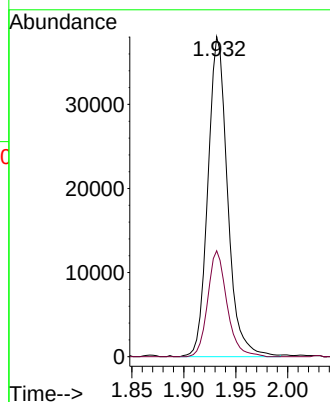
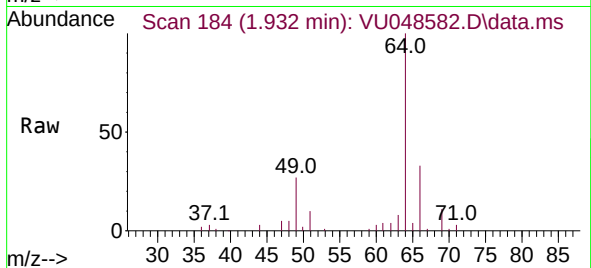




#8  
Chloroethane  
Concen: 46.584 ug/L  
RT: 1.932 min Scan# 184  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

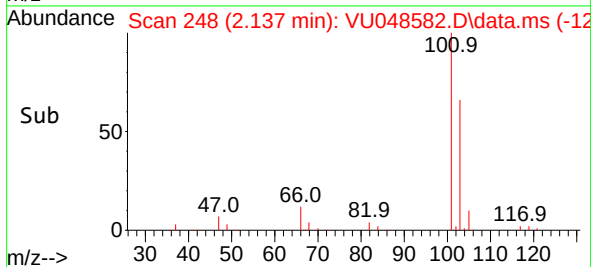
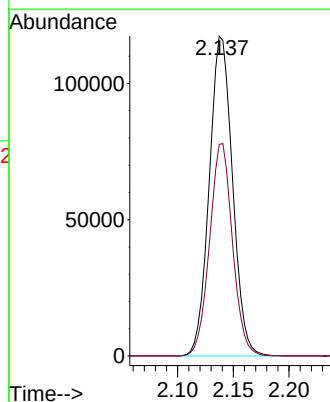
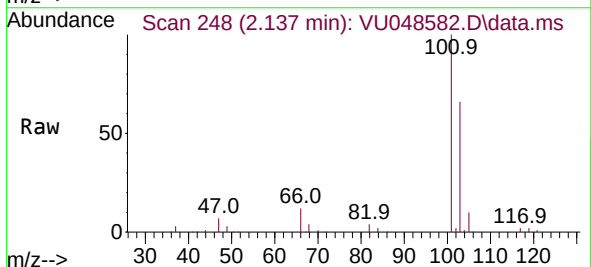
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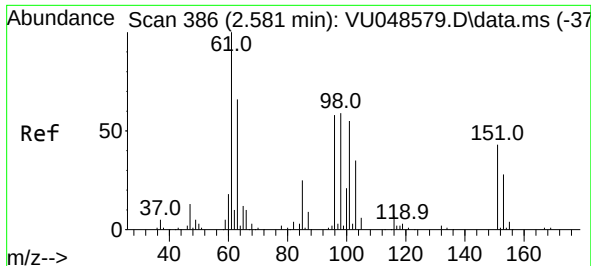
Tgt Ion: 64 Resp: 50140  
Ion Ratio Lower Upper  
64 100  
66 33.1 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 47.796 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion:101 Resp: 170628  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.6 77.4

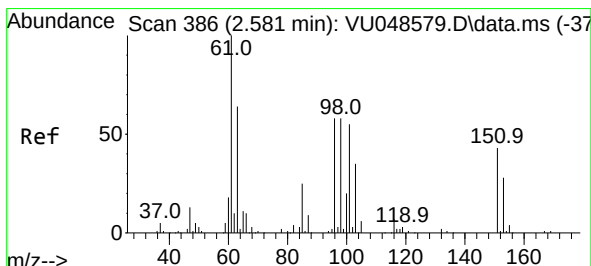
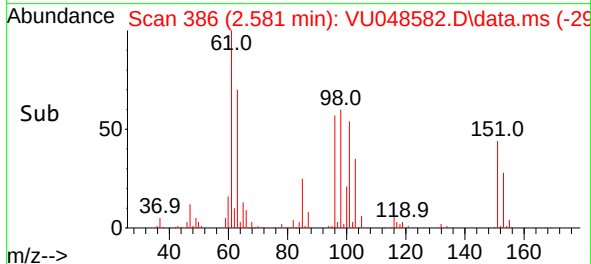
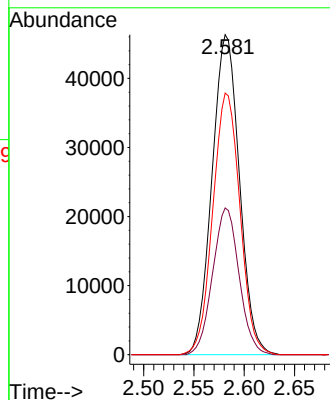
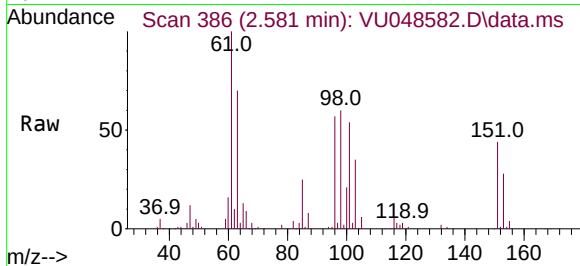




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.288 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. -0.000 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

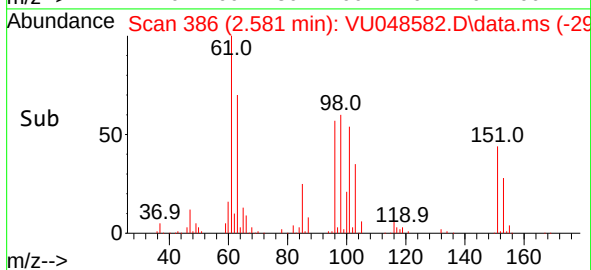
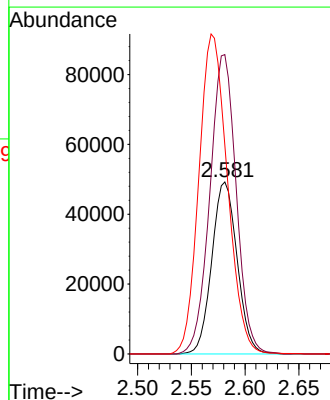
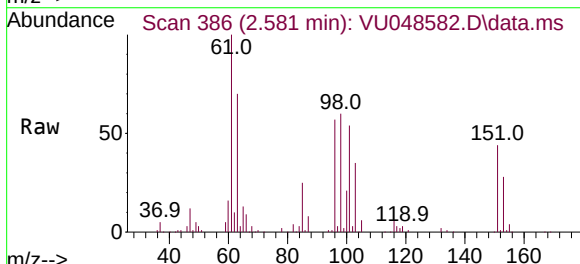
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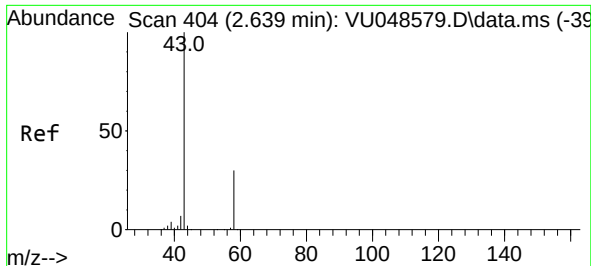
Tgt Ion:101 Resp: 87902  
 Ion Ratio Lower Upper  
 101 100  
 85 44.2 35.7 53.5  
 151 81.0 64.4 96.6



#12  
 1,1-Dichloroethene  
 Concen: 47.853 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. -0.000 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

Tgt Ion: 96 Resp: 80718  
 Ion Ratio Lower Upper  
 96 100  
 61 174.0 120.6 224.0  
 63 121.3 82.3 152.9





#13

Acetone

Concen: 80.752 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.016 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

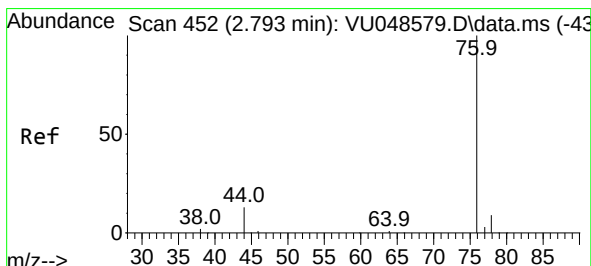
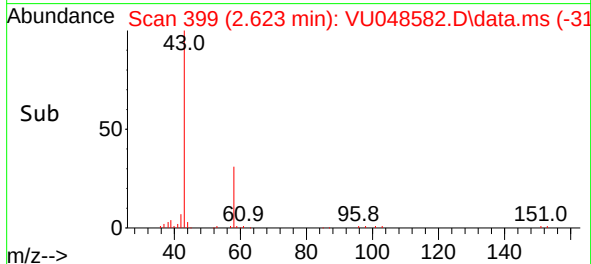
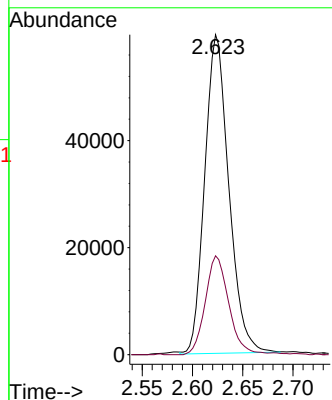
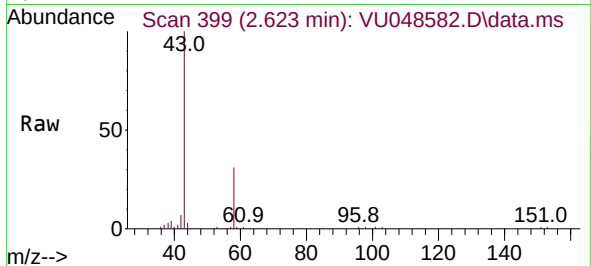
VICV073

Tgt Ion: 43 Resp: 99136

Ion Ratio Lower Upper

43 100

58 30.1 0.0 59.8



#14

Carbon disulfide

Concen: 46.128 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU048582.D

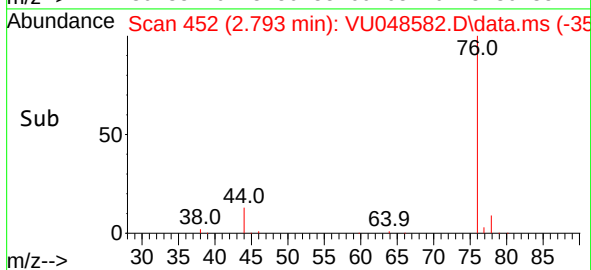
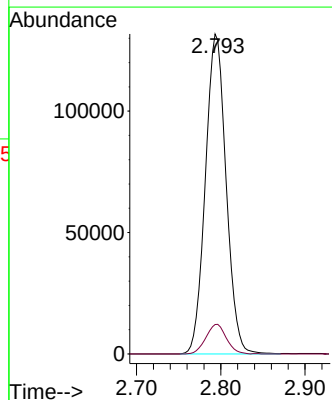
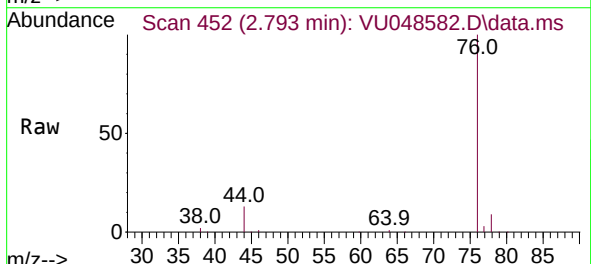
Acq: 16 May 2022 15:04

Tgt Ion: 76 Resp: 225797

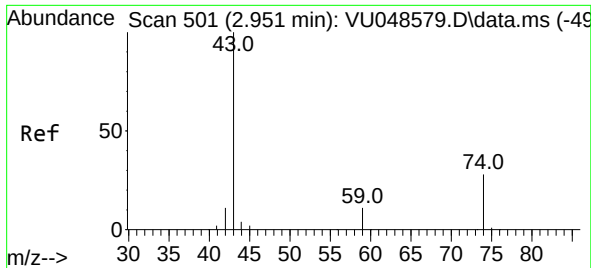
Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



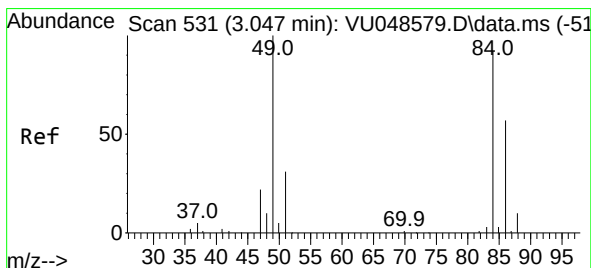
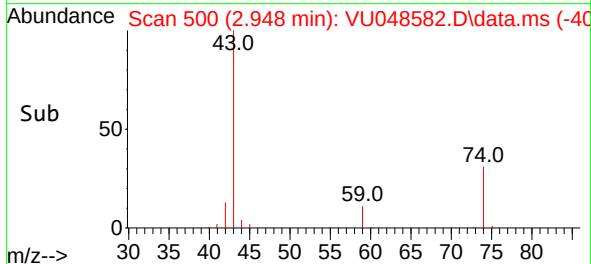
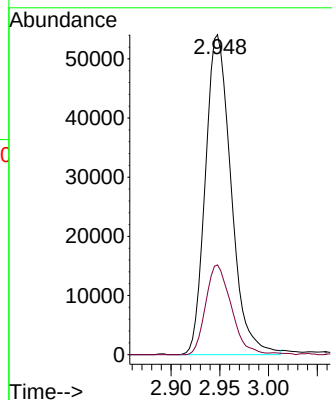
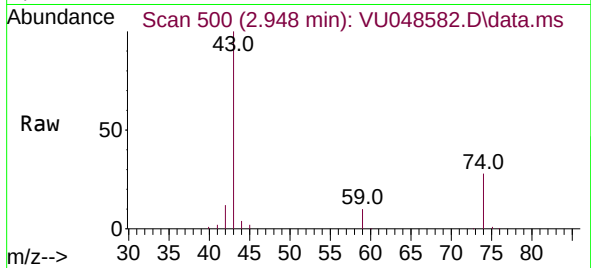




#15  
Methyl Acetate  
Concen: 47.489 ug/L  
RT: 2.948 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

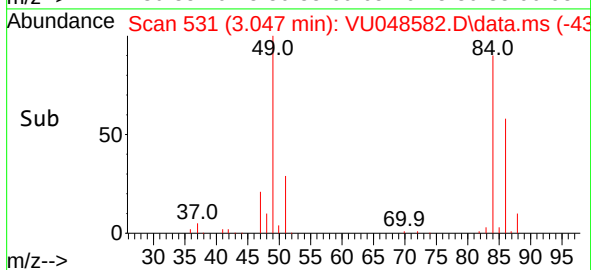
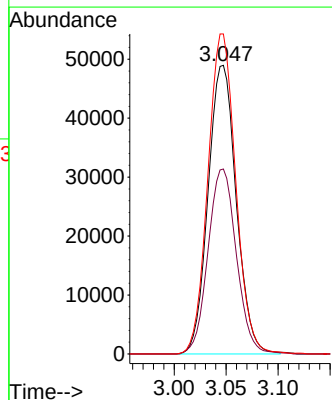
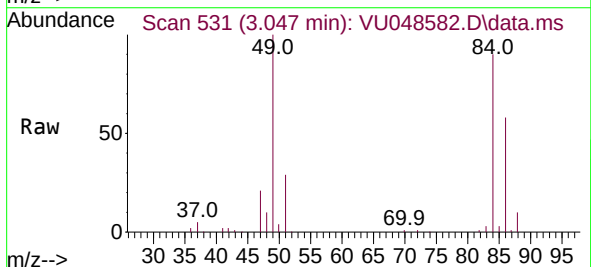
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

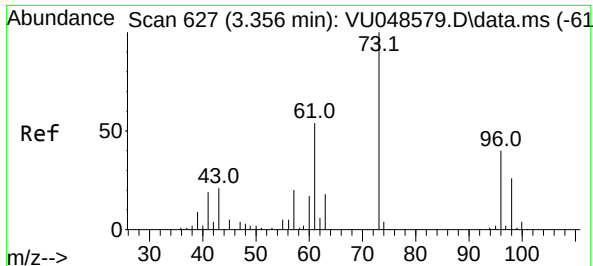
Tgt Ion: 43 Resp: 99501  
Ion Ratio Lower Upper  
43 100  
74 27.7 21.7 32.5



#16  
Methylene chloride  
Concen: 46.994 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 84 Resp: 92284  
Ion Ratio Lower Upper  
84 100  
86 64.1 43.5 80.9  
49 110.9 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 47.347 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

VICV073

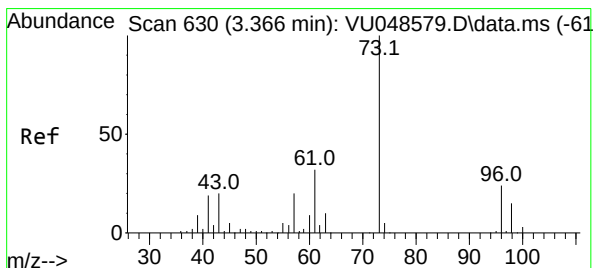
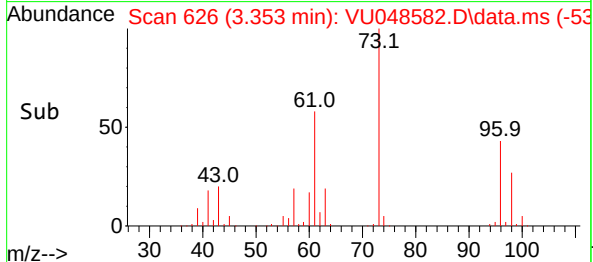
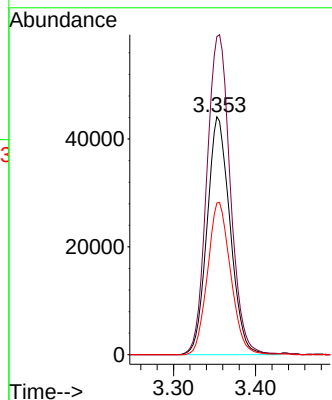
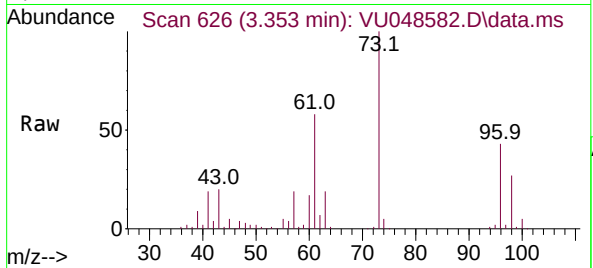
Tgt Ion: 96 Resp: 86138

Ion Ratio Lower Upper

96 100

61 133.7 94.2 175.0

98 63.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 48.859 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

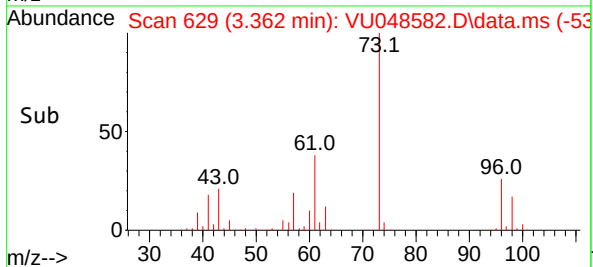
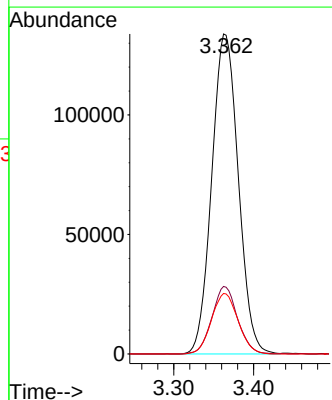
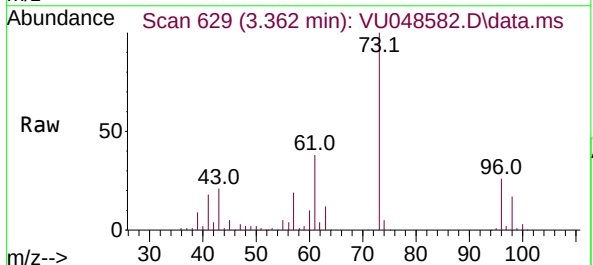
Tgt Ion: 73 Resp: 308395

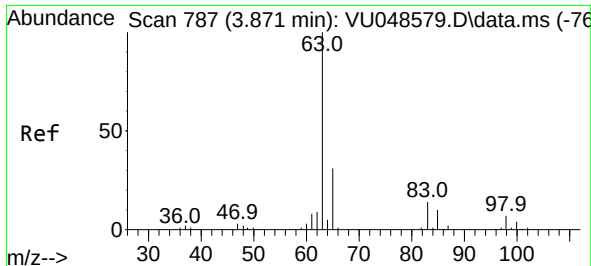
Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

57 19.0 15.7 23.5





#19

1,1-Dichloroethane

Concen: 48.404 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

VICV073

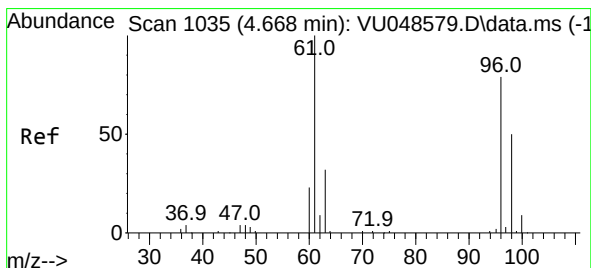
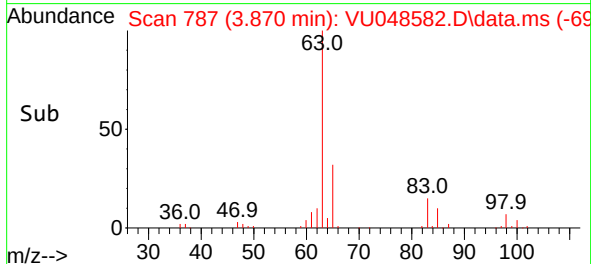
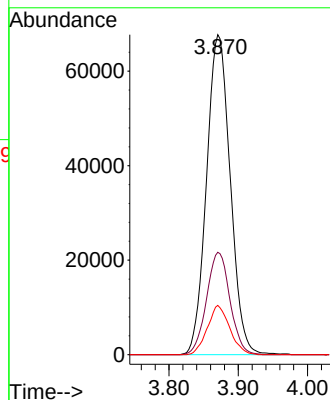
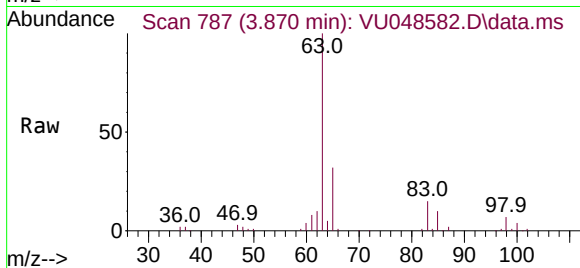
Tgt Ion: 63 Resp: 161220

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.6

83 15.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 48.198 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

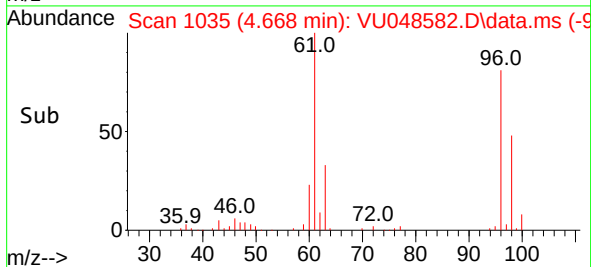
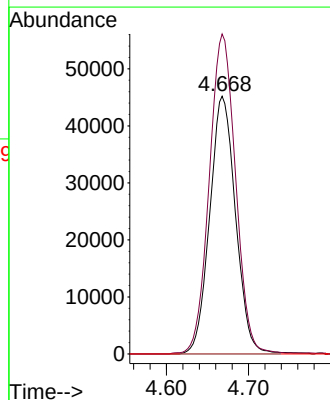
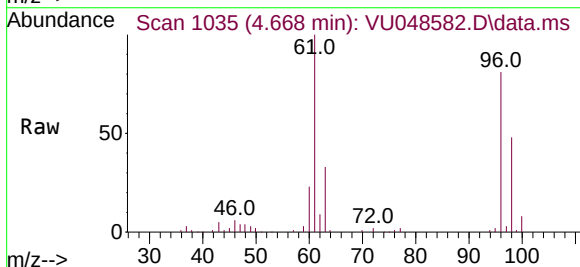
Tgt Ion: 96 Resp: 98887

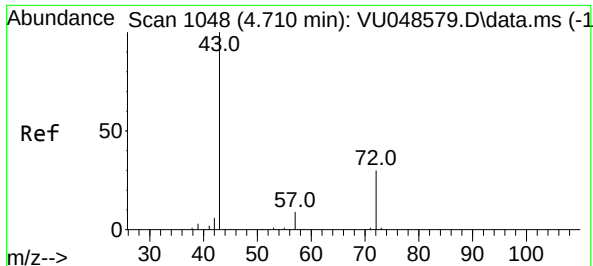
Ion Ratio Lower Upper

96 100

61 124.2 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.884 ug/L

RT: 4.700 min Scan# 1048

Delta R.T. -0.010 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

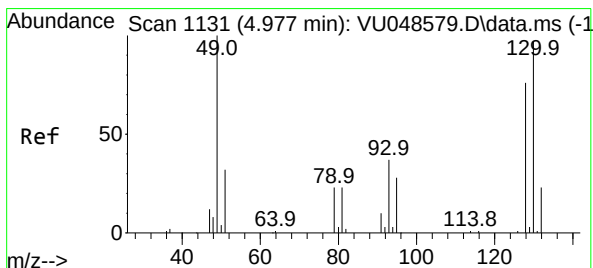
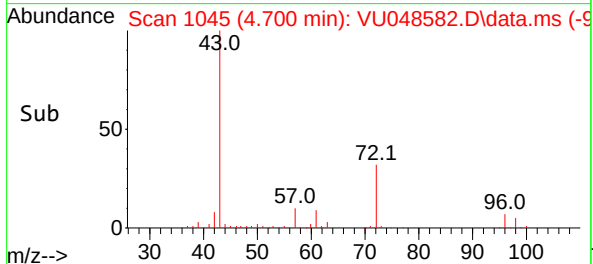
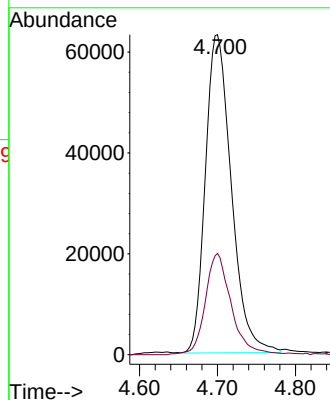
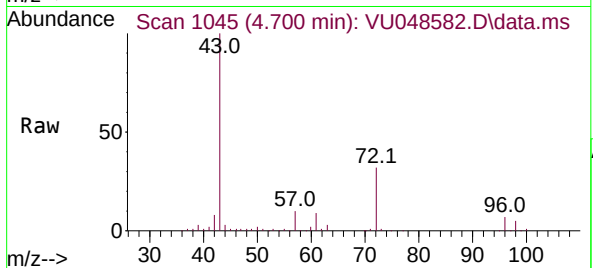
VICV073

Tgt Ion: 43 Resp: 146345

Ion Ratio Lower Upper

43 100

72 31.5 15.4 46.2



#23

Bromochloromethane

Concen: 48.335 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Tgt Ion: 128 Resp: 55028

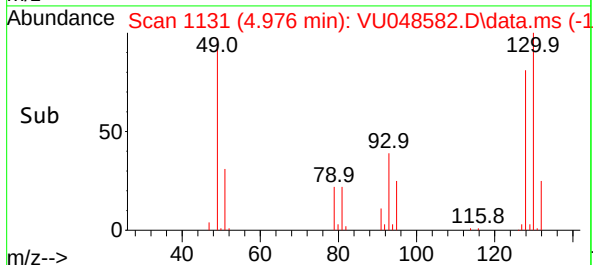
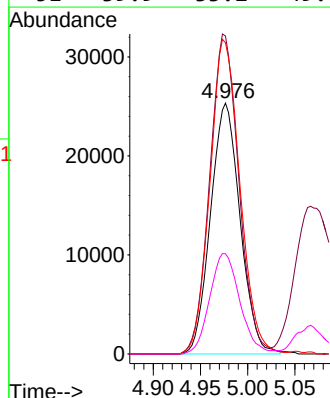
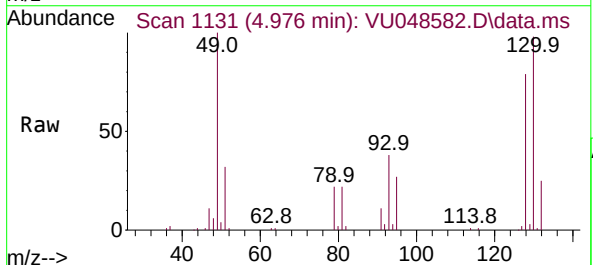
Ion Ratio Lower Upper

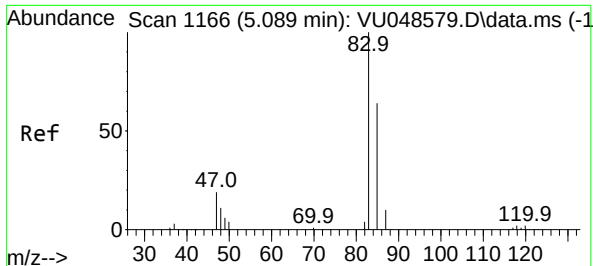
128 100

49 126.7 91.9 170.7

130 124.0 88.4 164.2

51 39.9 33.2 49.8





#25

Chloroform

Concen: 47.979 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

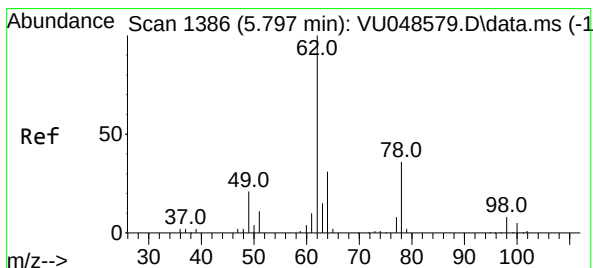
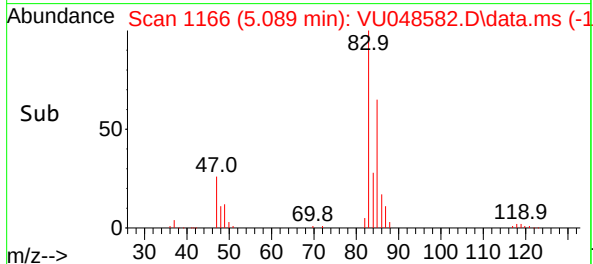
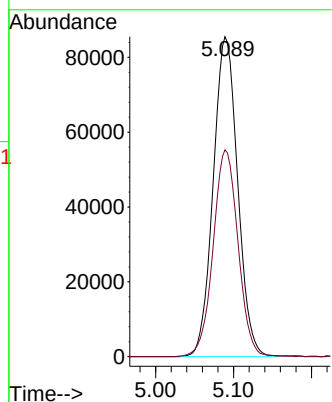
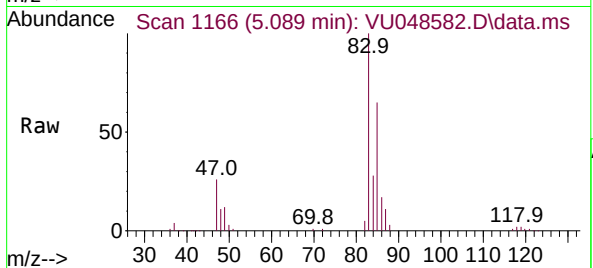
VICV073

Tgt Ion: 83 Resp: 186528

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 49.102 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048582.D

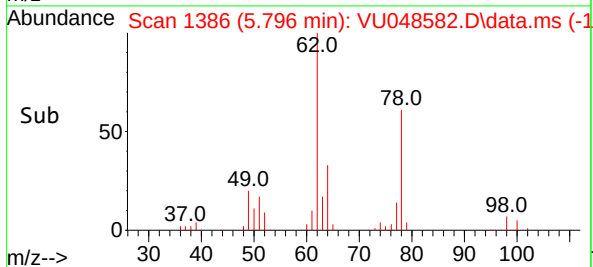
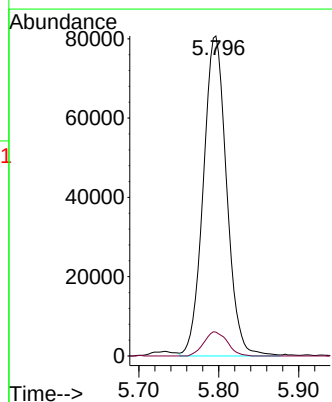
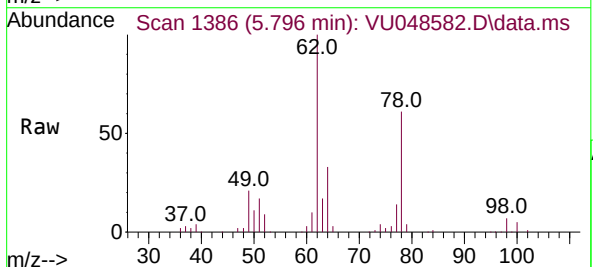
Acq: 16 May 2022 15:04

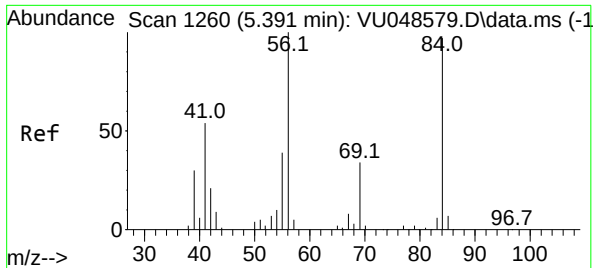
Tgt Ion: 62 Resp: 163758

Ion Ratio Lower Upper

62 100

98 7.4 6.0 9.0





#29

Cyclohexane

Concen: 48.006 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

VICV073

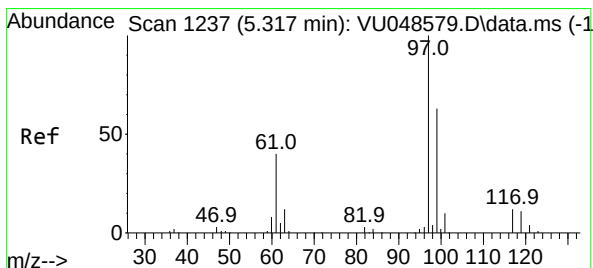
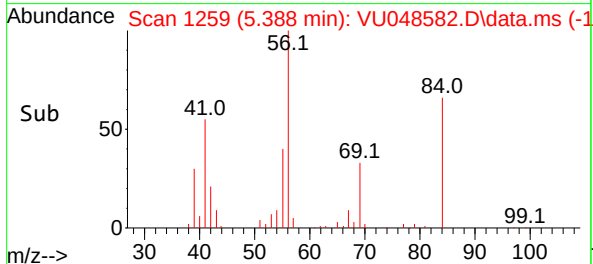
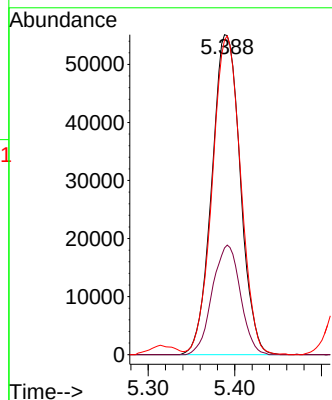
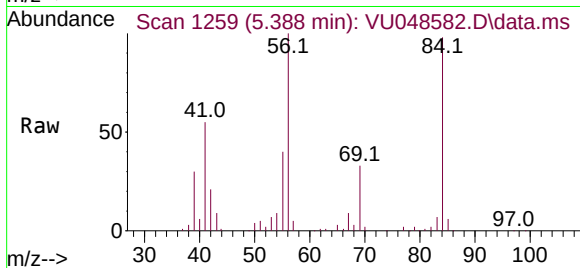
Tgt Ion: 56 Resp: 125660

Ion Ratio Lower Upper

56 100

69 33.8 26.5 39.7

84 99.3 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 48.601 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

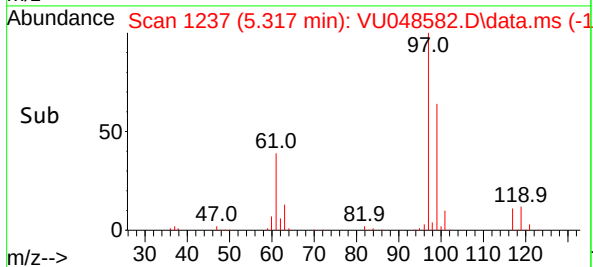
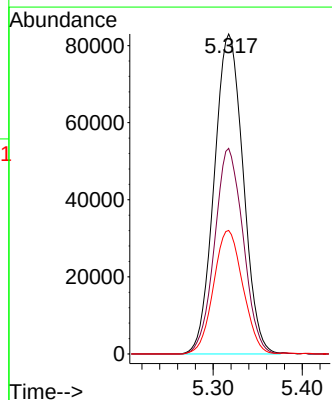
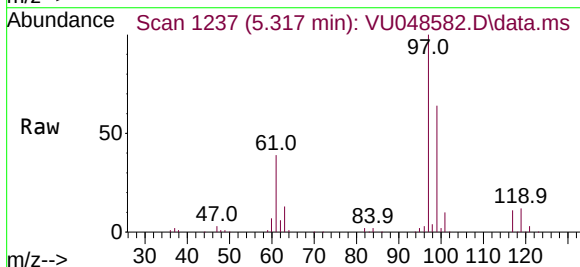
Tgt Ion: 97 Resp: 187541

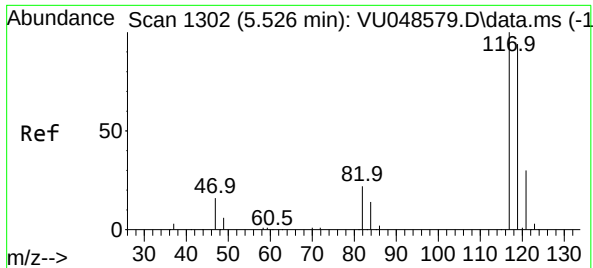
Ion Ratio Lower Upper

97 100

99 63.5 50.3 75.5

61 39.1 32.6 48.8

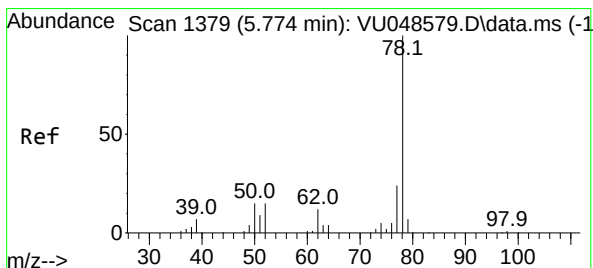
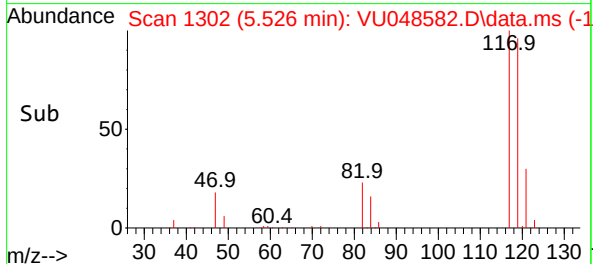
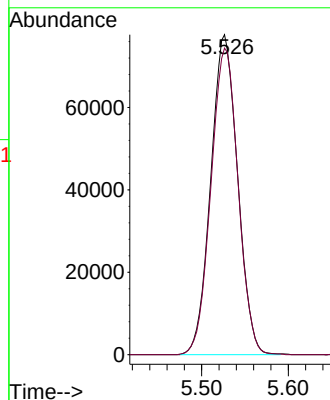
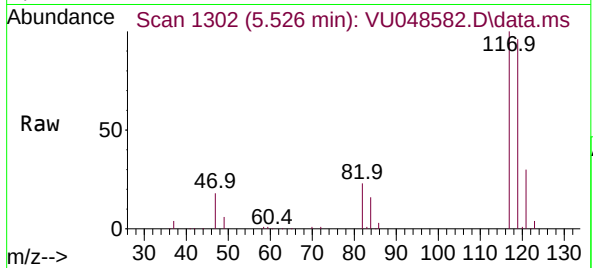




#31  
Carbon tetrachloride  
Concen: 47.546 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

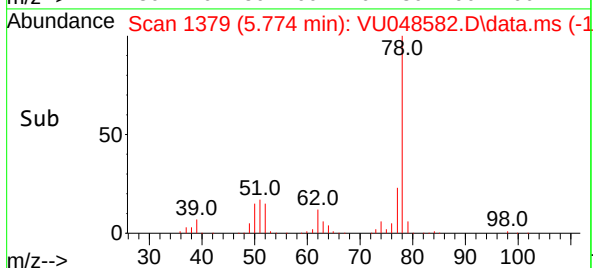
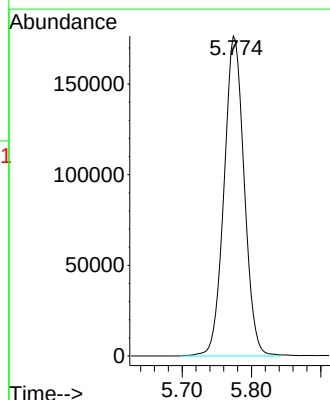
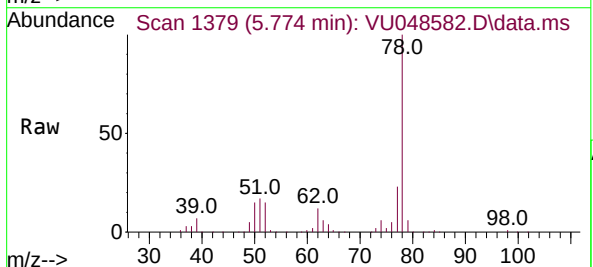
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

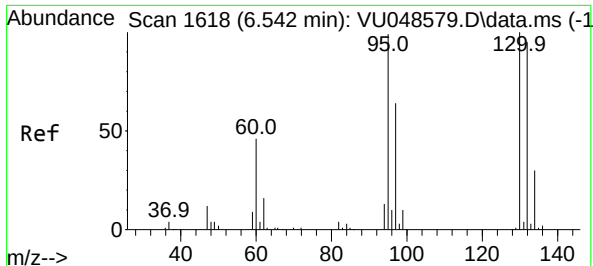
Tgt Ion:117 Resp: 167204  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.0 114.0



#33  
Benzene  
Concen: 48.009 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 78 Resp: 357454

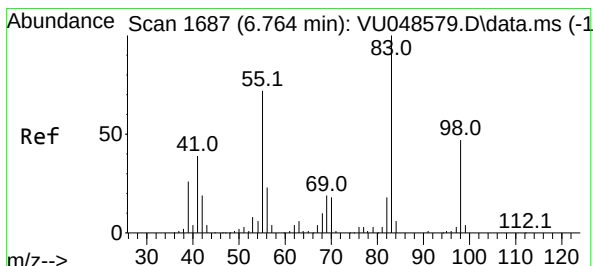
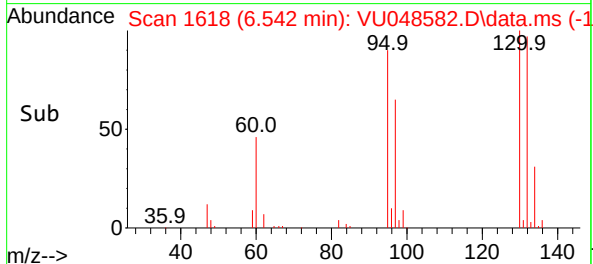
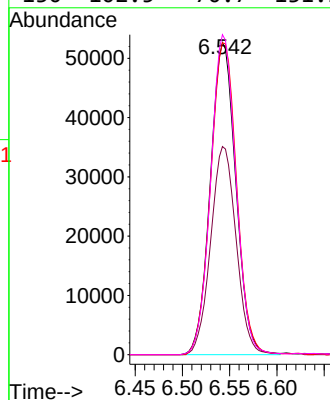
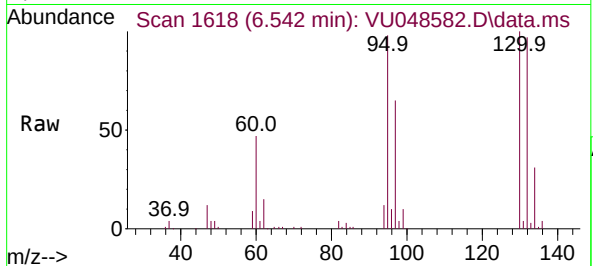




#34  
Trichloroethene  
Concen: 46.967 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

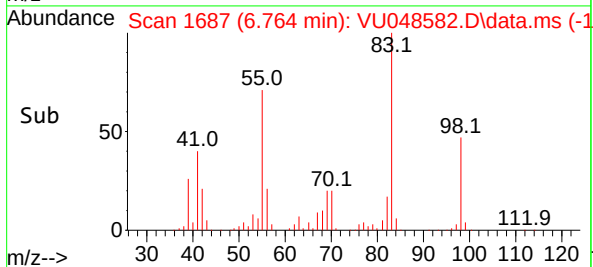
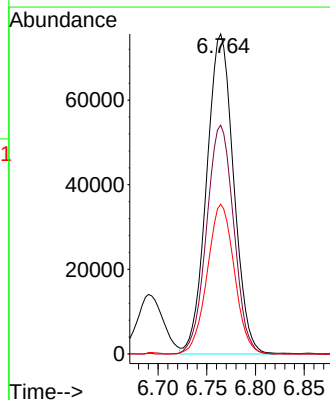
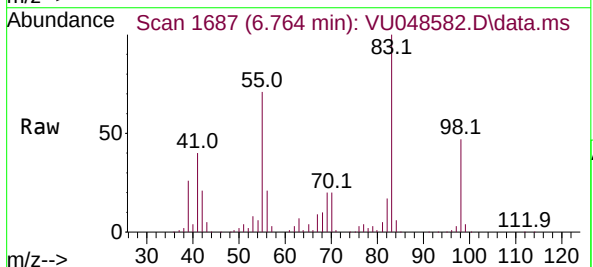
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

Tgt Ion: 95 Resp: 98936  
Ion Ratio Lower Upper  
95 100  
97 66.7 45.2 84.0  
132 100.0 67.3 124.9  
130 102.5 70.7 131.3

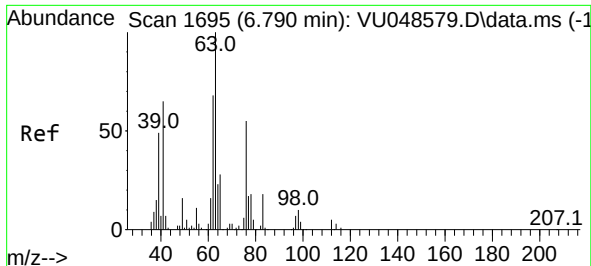


#35  
Methylcyclohexane  
Concen: 48.308 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 83 Resp: 146030  
Ion Ratio Lower Upper  
83 100  
55 71.9 56.2 84.4  
98 47.0 38.2 57.2







#37

1,2-Dichloropropane

Concen: 48.289 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

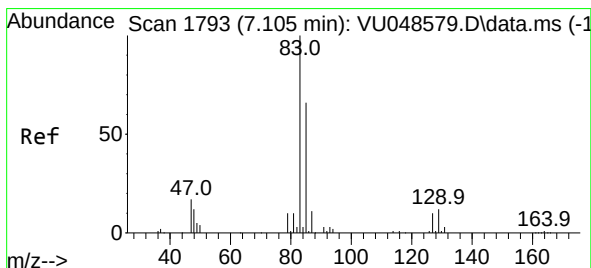
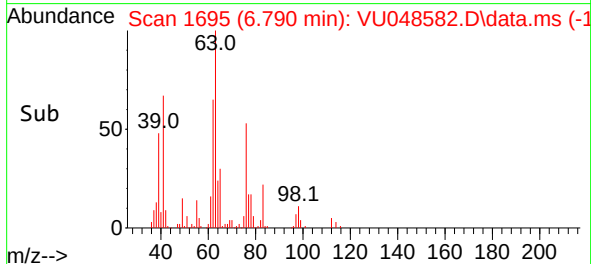
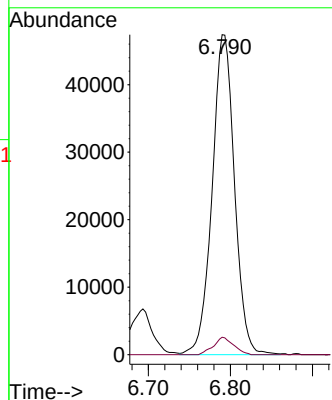
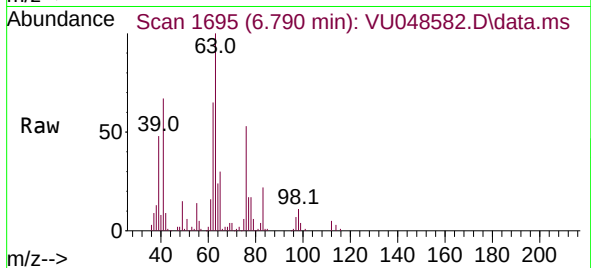
VICV073

Tgt Ion: 63 Resp: 89900

Ion Ratio Lower Upper

63 100

112 4.9 3.7 5.5



#38

Bromodichloromethane

Concen: 48.919 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

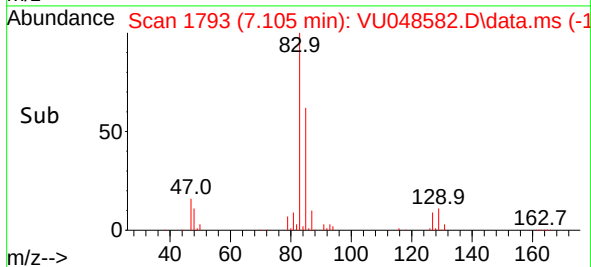
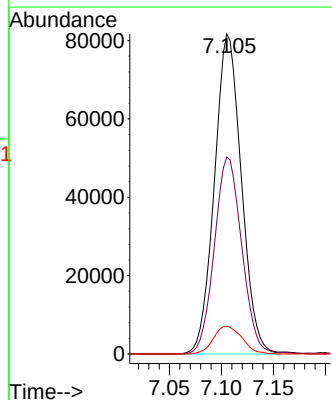
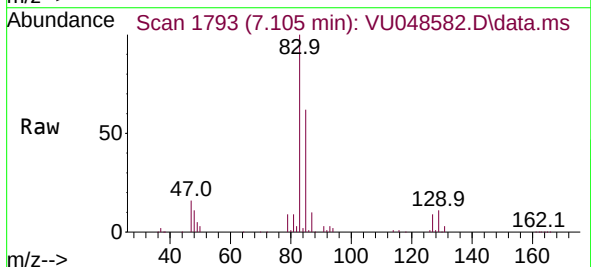
Tgt Ion: 83 Resp: 147353

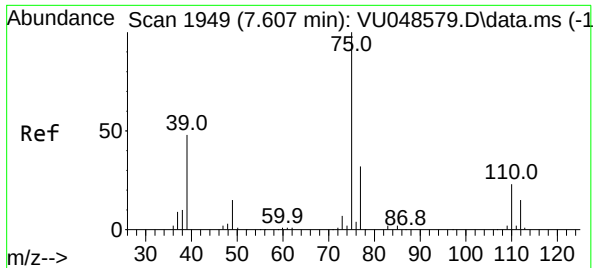
Ion Ratio Lower Upper

83 100

85 61.6 46.1 85.5

127 8.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 49.533 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

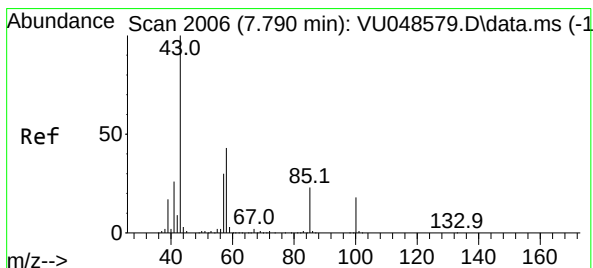
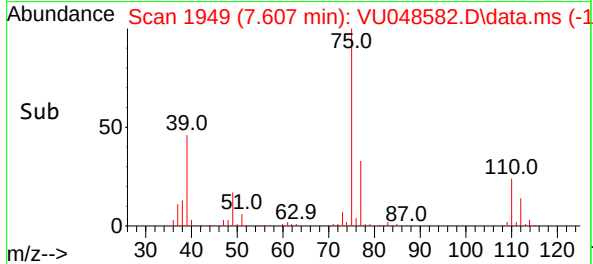
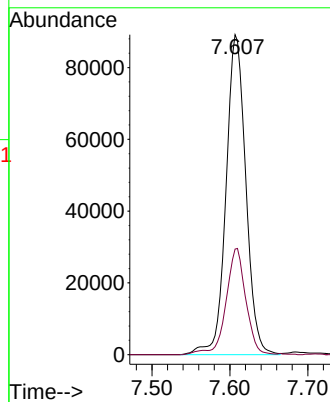
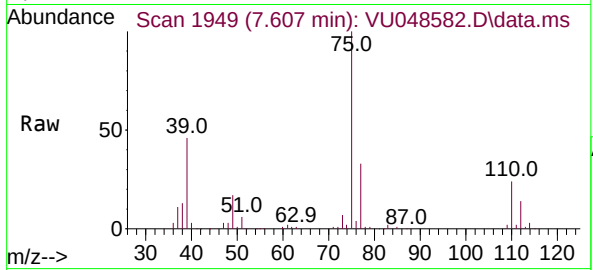
VICV073

Tgt Ion: 75 Resp: 157446

Ion Ratio Lower Upper

75 100

77 33.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 98.056 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

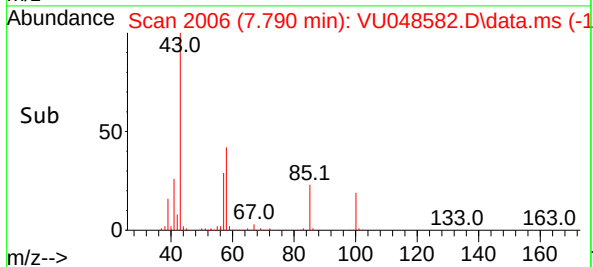
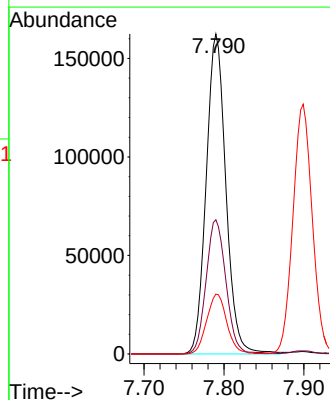
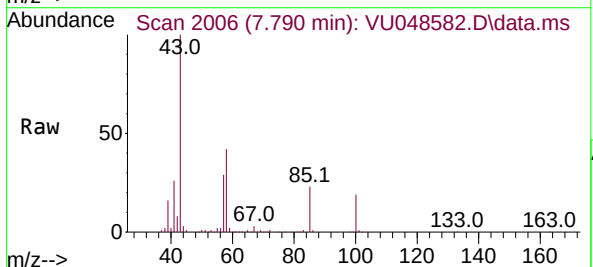
Tgt Ion: 43 Resp: 278585

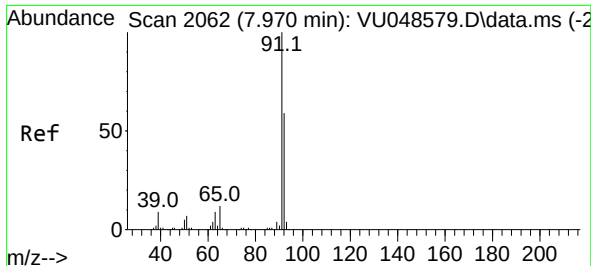
Ion Ratio Lower Upper

43 100

58 42.4 34.3 51.5

100 19.1 14.7 22.1





#42

Toluene

Concen: 49.693 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

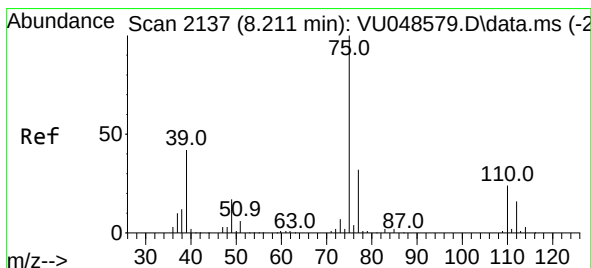
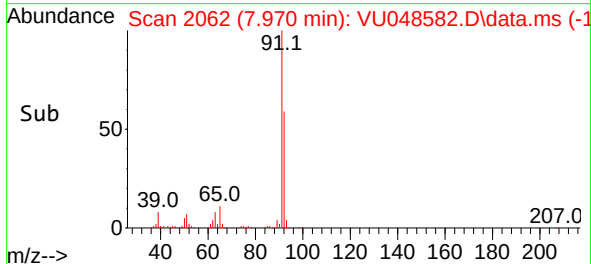
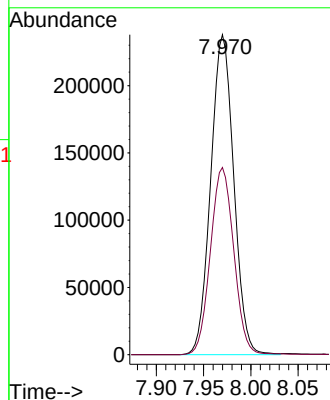
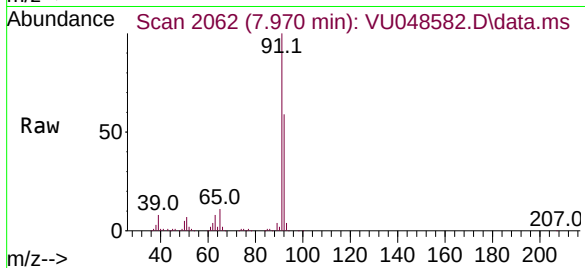
VICV073

Tgt Ion: 91 Resp: 403275

Ion Ratio Lower Upper

91 100

92 58.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 49.305 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048582.D

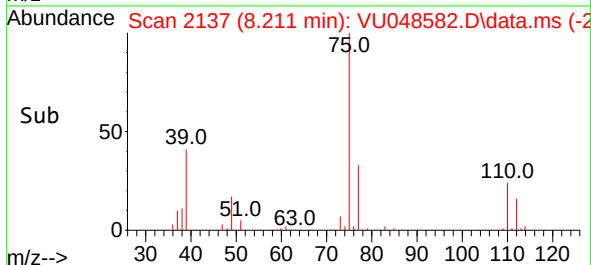
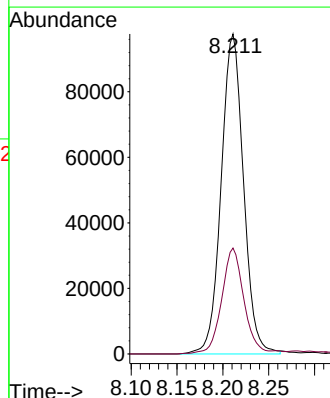
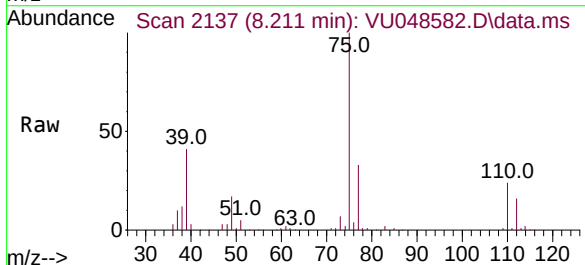
Acq: 16 May 2022 15:04

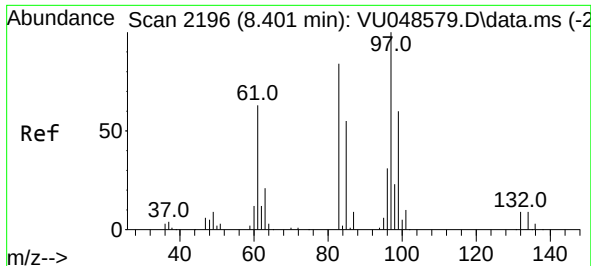
Tgt Ion: 75 Resp: 165277

Ion Ratio Lower Upper

75 100

77 33.1 22.7 42.1

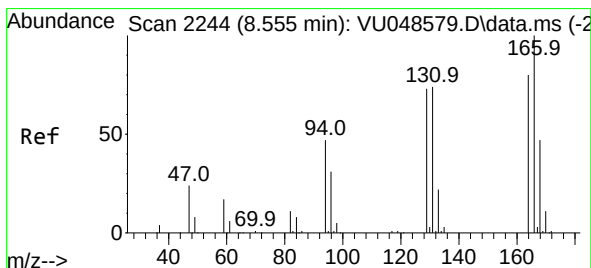
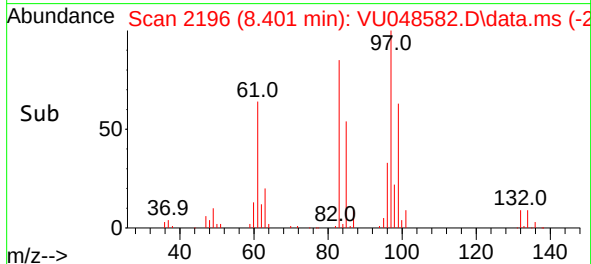
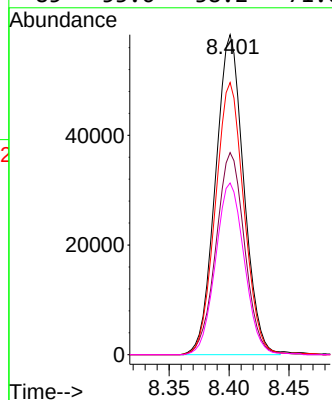
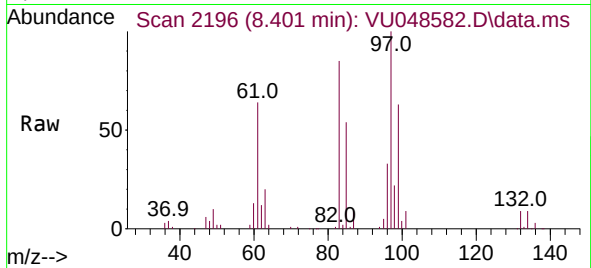




#45  
1,1,2-Trichloroethane  
Concen: 47.983 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

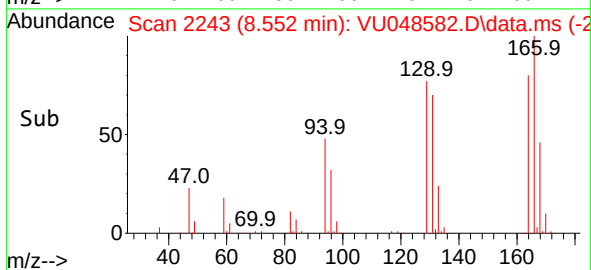
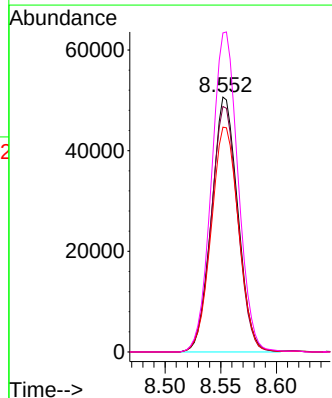
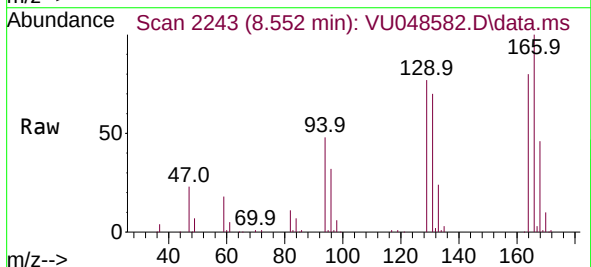
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

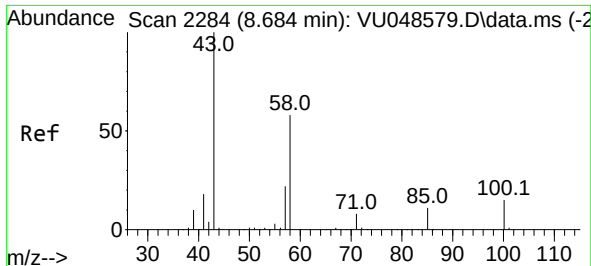
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 95663 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.1     | 42.2 78.4   |
| 83 85.0     | 58.4 108.6  |
| 85 53.6     | 38.2 71.0   |



#46  
Tetrachloroethene  
Concen: 48.427 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

|             |             |
|-------------|-------------|
| Tgt Ion:164 | Resp: 83243 |
| Ion Ratio   | Lower Upper |
| 164 100     |             |
| 129 96.3    | 64.3 119.3  |
| 131 88.2    | 64.5 119.7  |
| 166 125.2   | 87.5 162.5  |



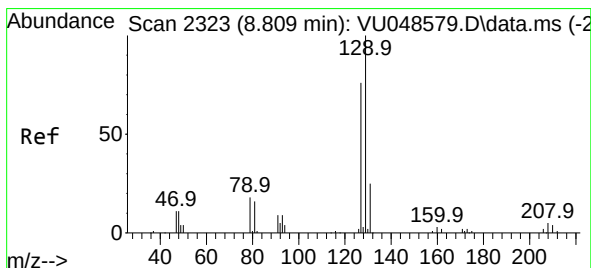
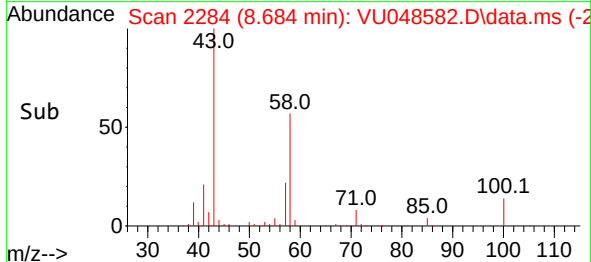
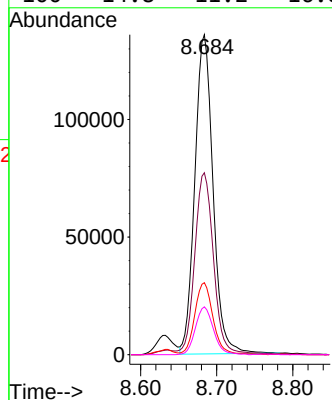
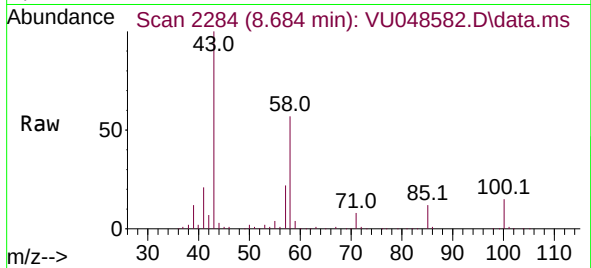


#48  
2-Hexanone  
Concen: 92.923 ug/L  
RT: 8.684 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

Tgt Ion: 43 Resp: 226196

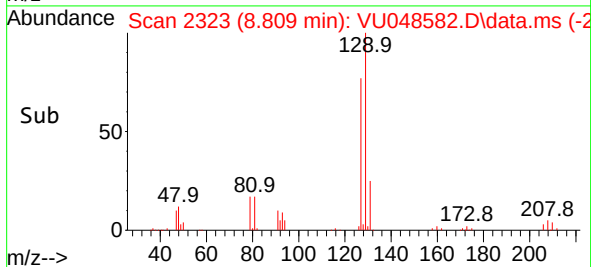
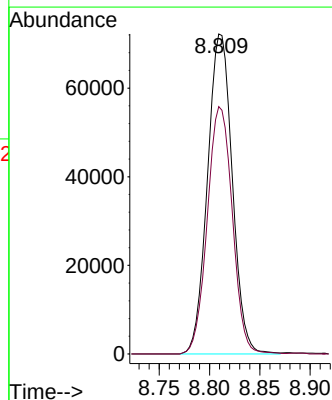
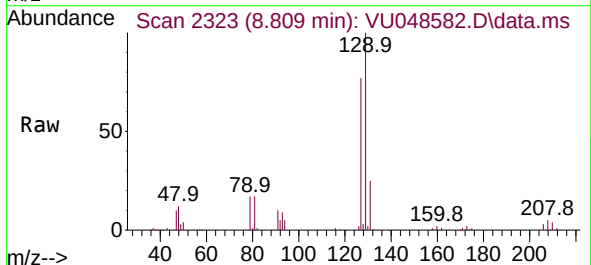
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.2  | 45.8  | 68.6  |
| 57  | 21.6  | 16.8  | 25.2  |
| 100 | 14.8  | 11.2  | 16.8  |

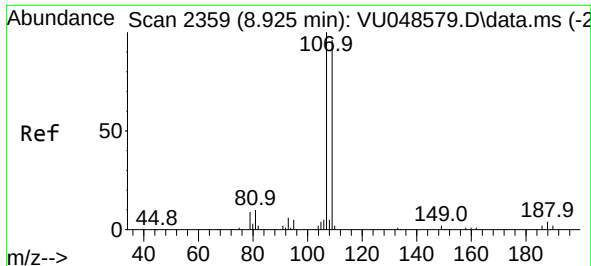


#49  
Dibromochloromethane  
Concen: 48.300 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 129 Resp: 123804

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.3  | 53.1  | 98.5  |

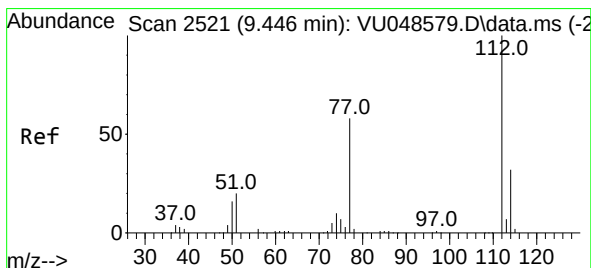
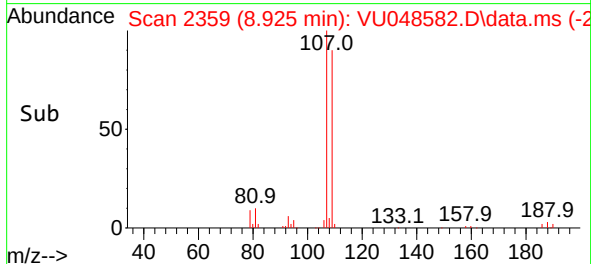
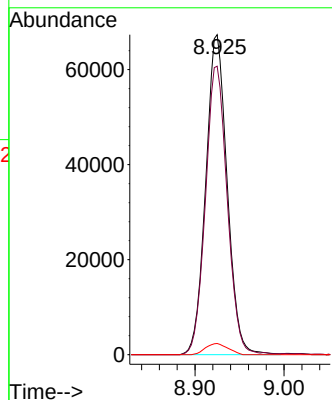
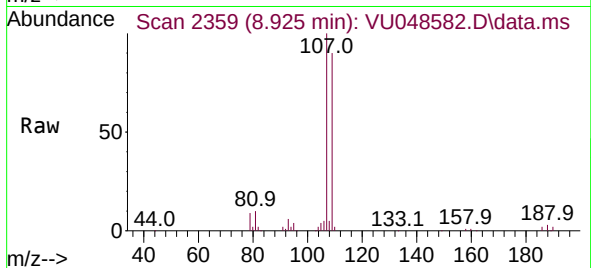




#50  
1,2-Dibromoethane  
Concen: 48.867 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

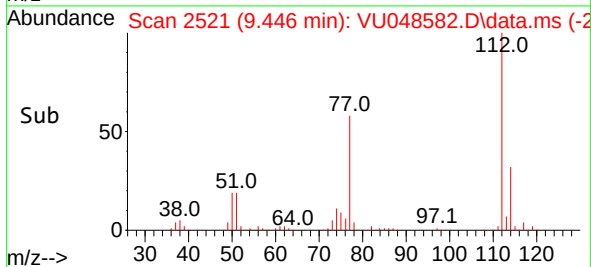
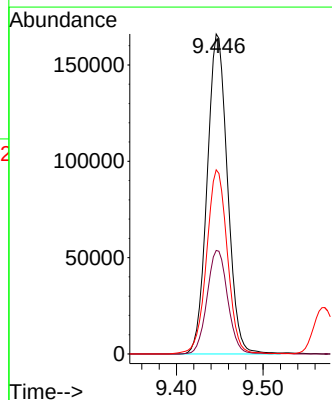
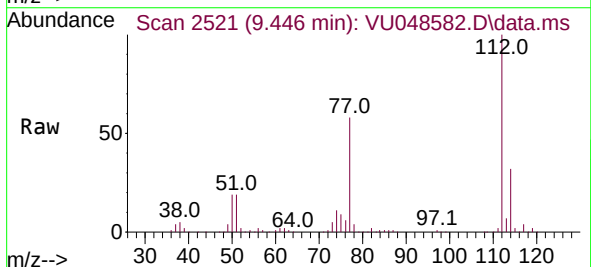
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

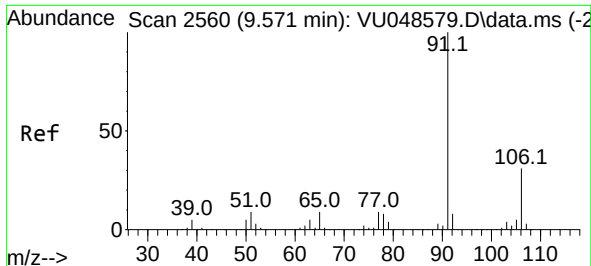
Tgt Ion:107 Resp: 112439  
Ion Ratio Lower Upper  
107 100  
109 90.1 67.5 125.3  
188 3.5 3.4 5.2



#51  
Chlorobenzene  
Concen: 47.849 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion:112 Resp: 270828  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.3 41.5  
77 57.5 46.5 69.7

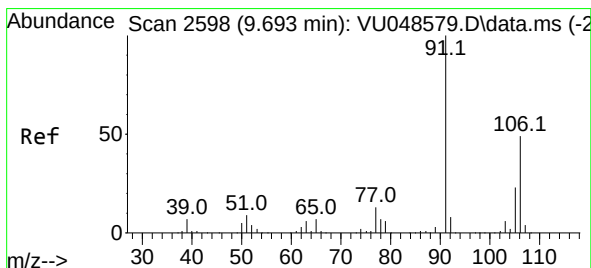
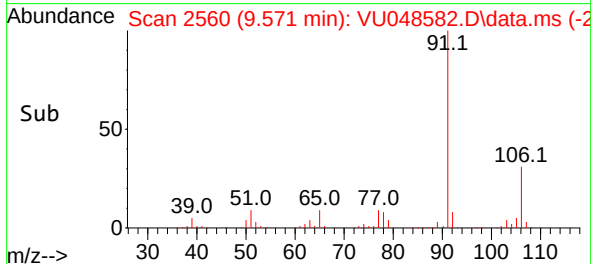
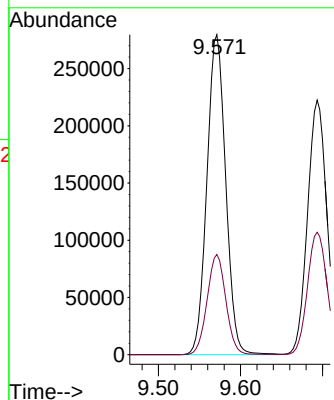
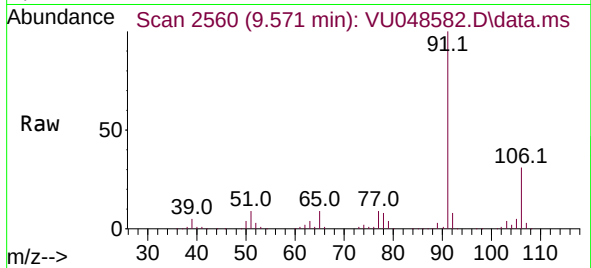




#52  
Ethylbenzene  
Concen: 47.944 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

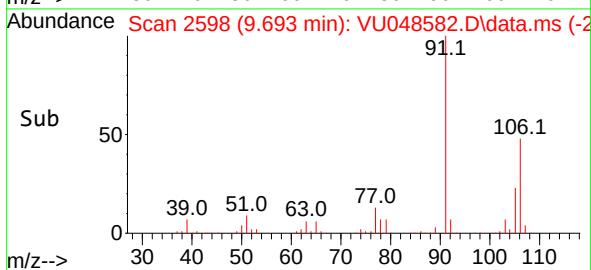
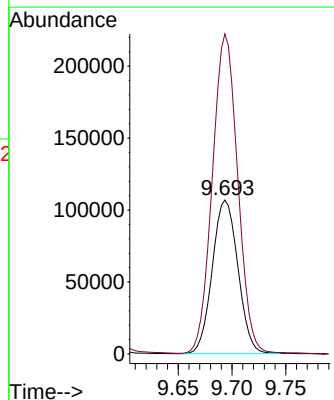
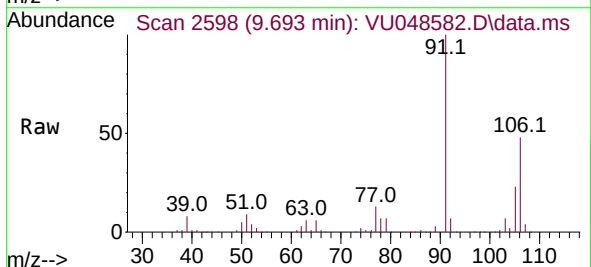
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

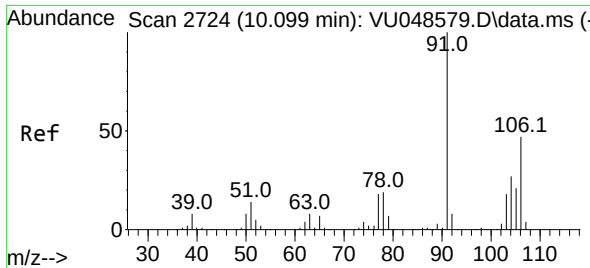
Tgt Ion: 91 Resp: 444632  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.8 40.6



#53  
m,p-Xylene  
Concen: 47.533 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 106 Resp: 177156  
Ion Ratio Lower Upper  
106 100  
91 208.0 141.8 263.4

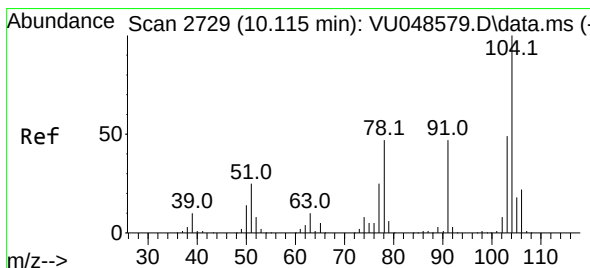
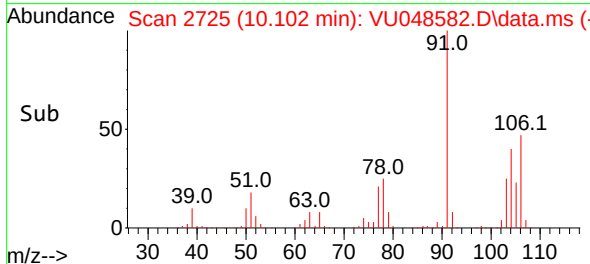
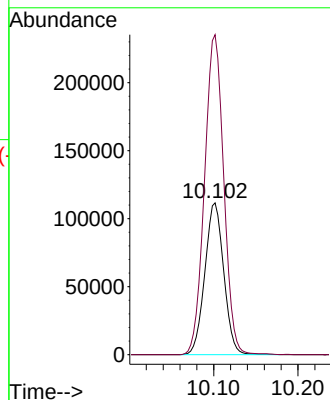
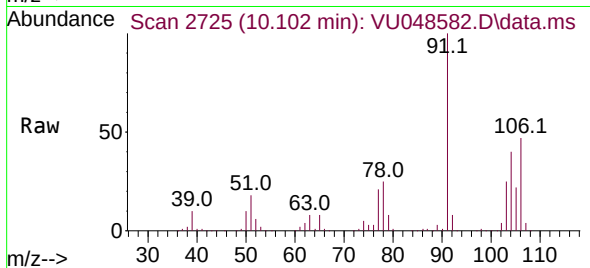




#54  
o-Xylene  
Concen: 48.852 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.003 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

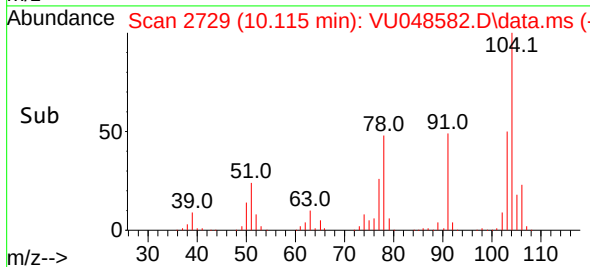
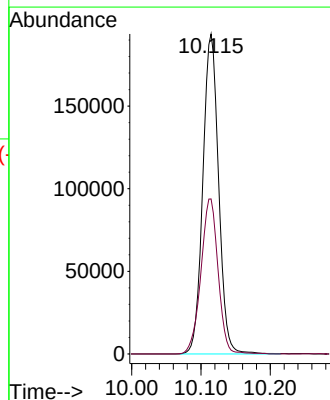
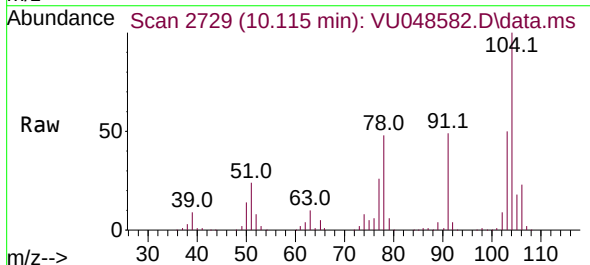
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

Tgt Ion:106 Resp: 174425  
Ion Ratio Lower Upper  
106 100  
91 210.7 150.1 278.9

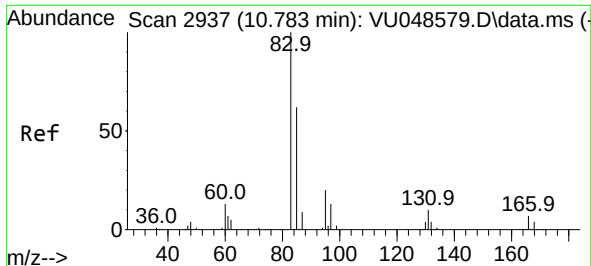


#55  
Styrene  
Concen: 49.266 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion:104 Resp: 305839  
Ion Ratio Lower Upper  
104 100  
78 48.5 32.7 60.7







#57

1,1,2,2-Tetrachloroethane

Concen: 47.622 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

VICV073

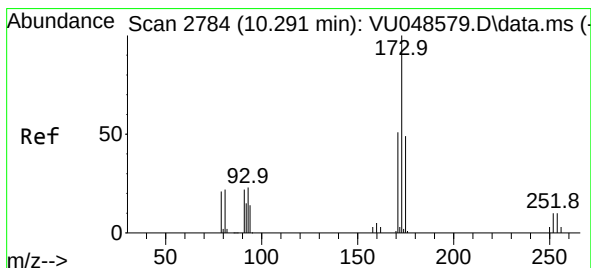
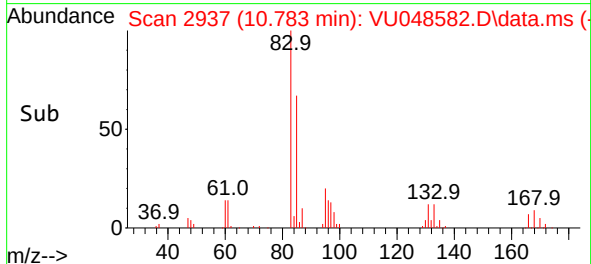
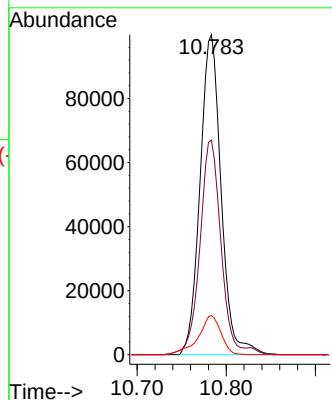
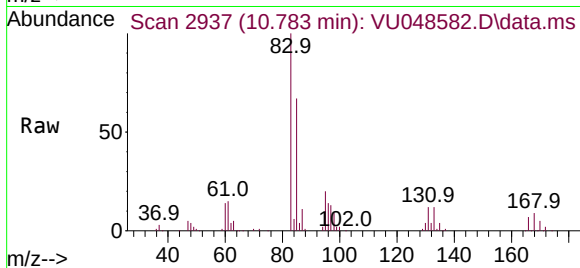
Tgt Ion: 83 Resp: 164091

Ion Ratio Lower Upper

83 100

85 67.0 44.1 81.9

131 12.2 8.9 13.3



#59

Bromoform

Concen: 48.161 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

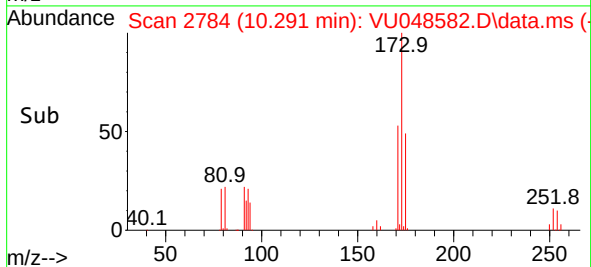
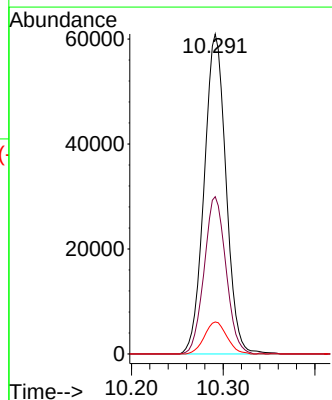
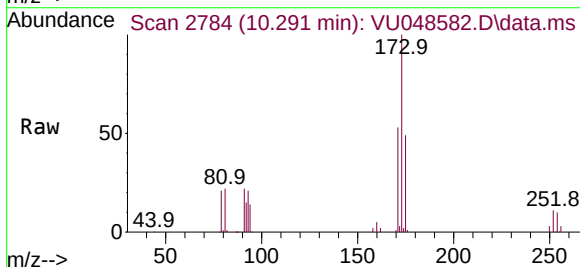
Tgt Ion:173 Resp: 100785

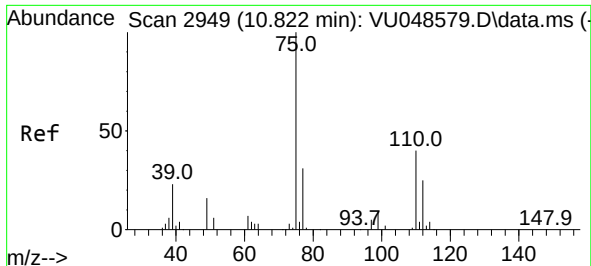
Ion Ratio Lower Upper

173 100

175 49.1 38.2 57.4

254 10.3 7.7 11.5

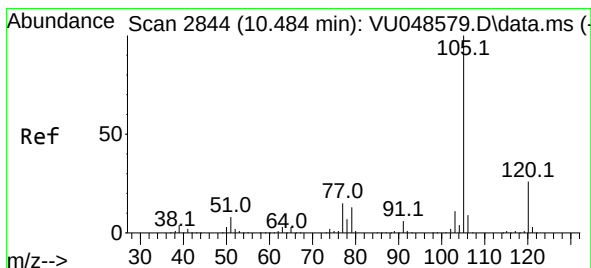
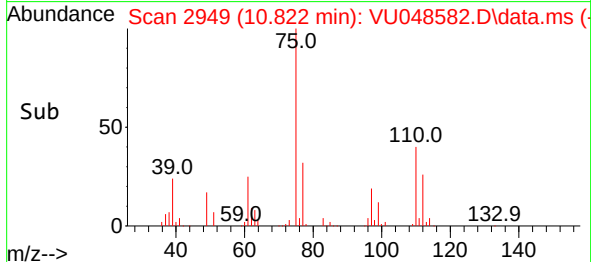
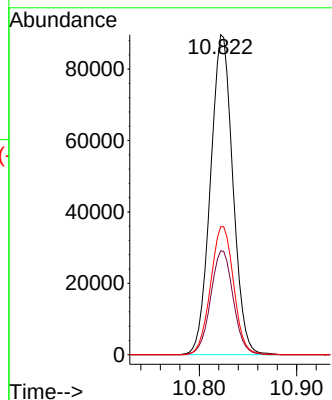
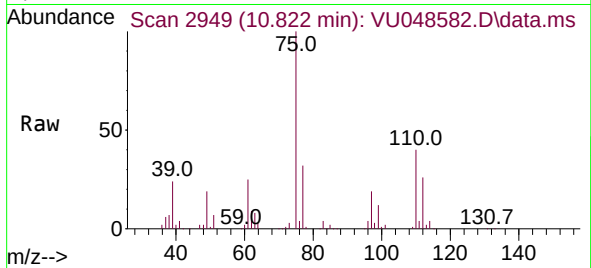




#60  
1,2,3-Trichloropropane  
Concen: 47.445 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

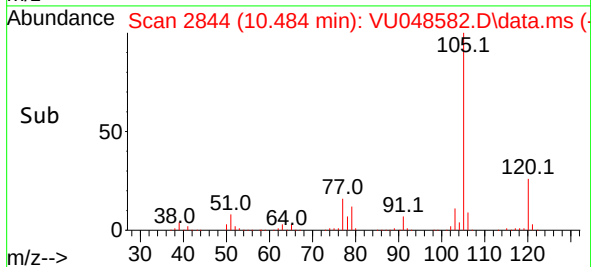
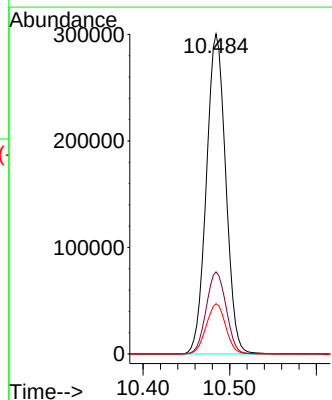
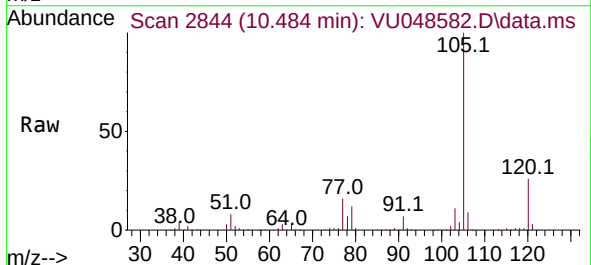
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

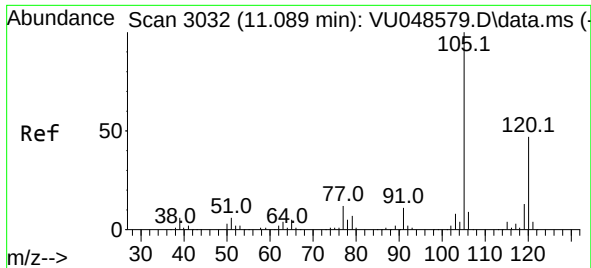
Tgt Ion: 75 Resp: 143249  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.4 38.0  
110 41.1 32.1 48.1



#61  
Isopropylbenzene  
Concen: 49.672 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion: 105 Resp: 465712  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.0 31.6  
77 15.8 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 50.304 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

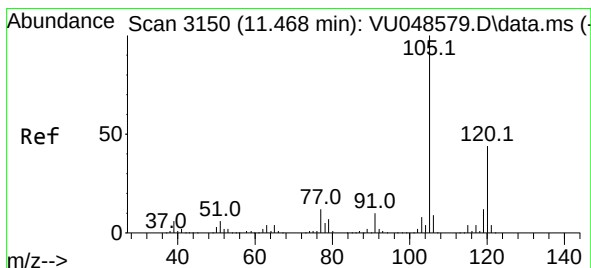
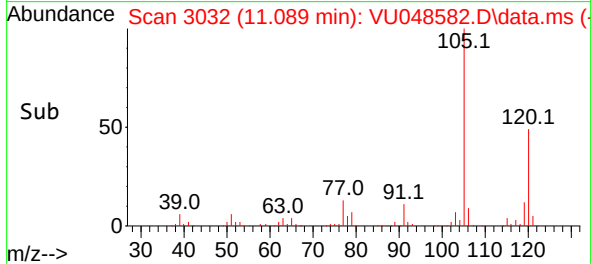
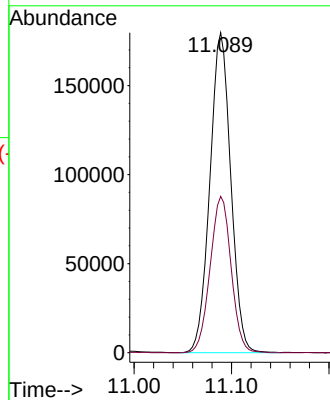
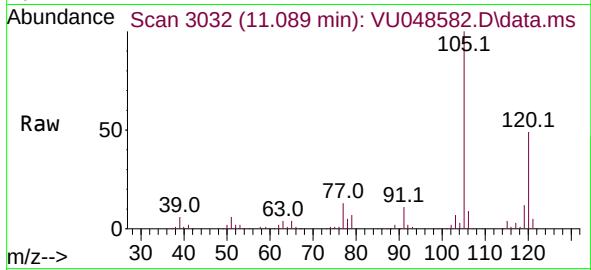
VICV073

Tgt Ion:105 Resp: 268131

Ion Ratio Lower Upper

105 100

120 49.0 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 50.524 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048582.D

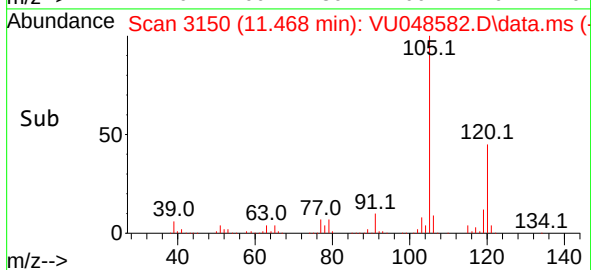
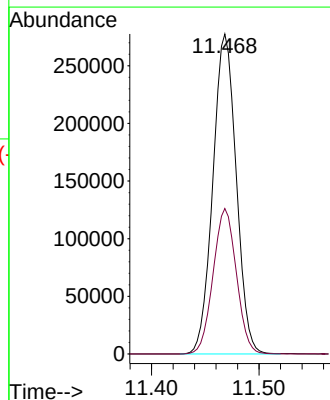
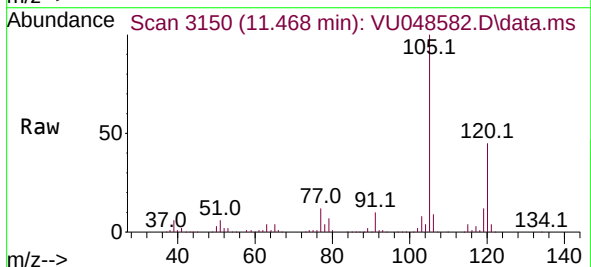
Acq: 16 May 2022 15:04

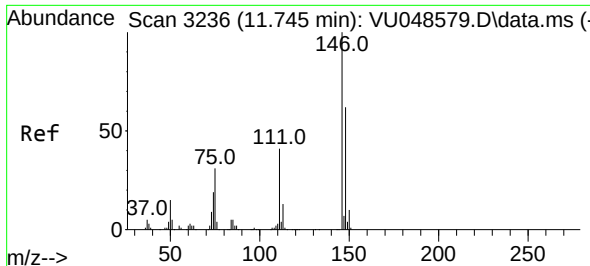
Tgt Ion:105 Resp: 418765

Ion Ratio Lower Upper

105 100

120 45.2 35.4 53.2

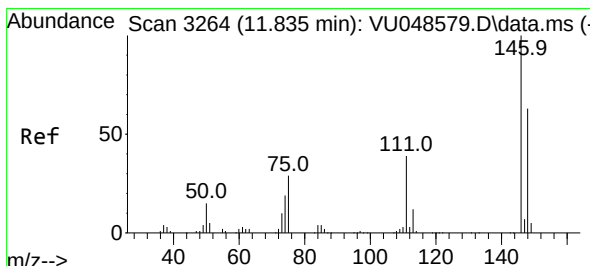
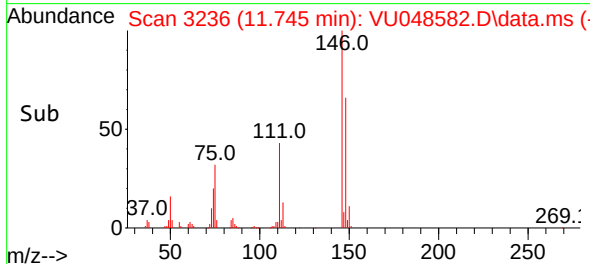
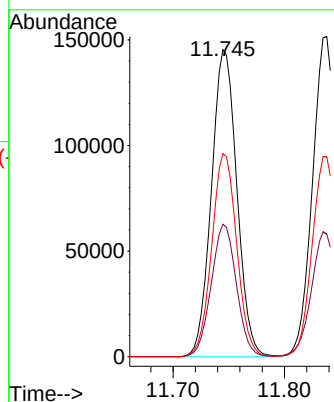
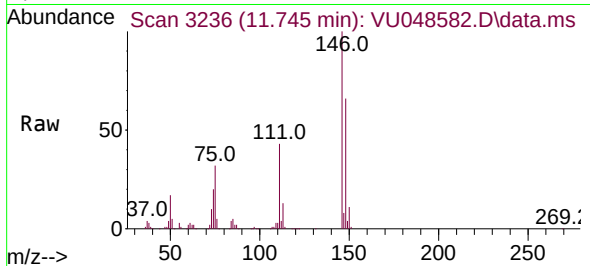




#64  
1,3-Dichlorobenzene  
Concen: 47.692 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

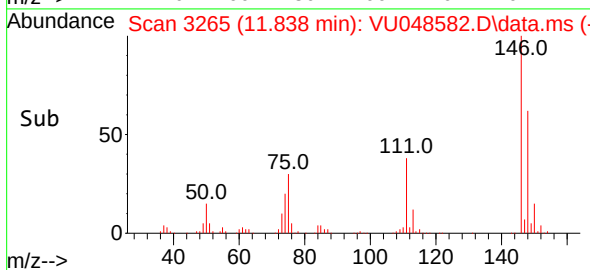
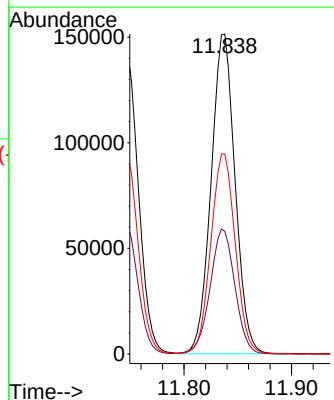
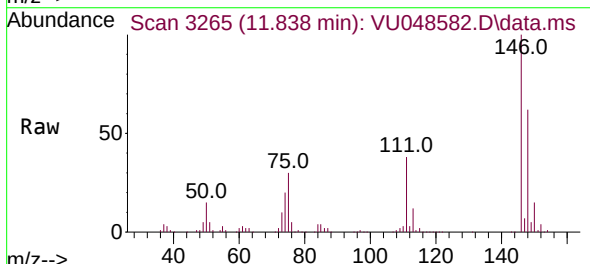
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

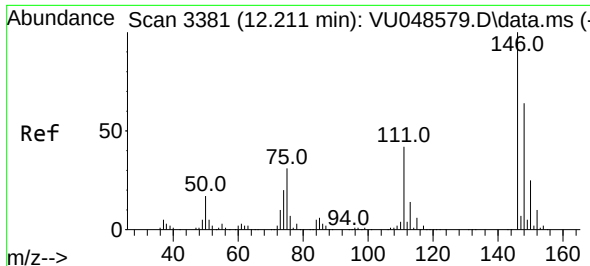
Tgt Ion:146 Resp: 230591  
Ion Ratio Lower Upper  
146 100  
111 43.1 28.7 53.3  
148 66.2 43.7 81.1



#65  
1,4-Dichlorobenzene  
Concen: 46.707 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion:146 Resp: 234340  
Ion Ratio Lower Upper  
146 100  
111 38.3 27.6 51.2  
148 62.5 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 47.815 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

Instrument :

MSVOA\_U

ClientSampleId :

VICV073

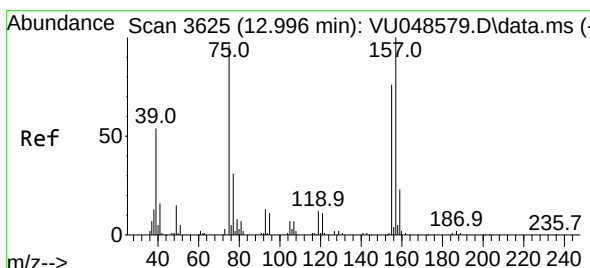
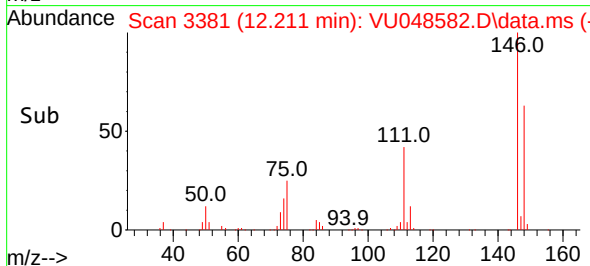
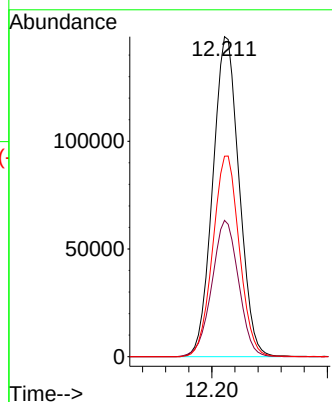
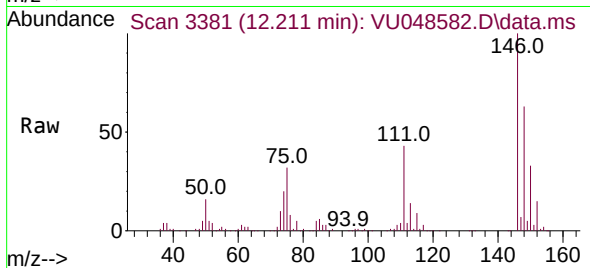
Tgt Ion:146 Resp: 235143

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 62.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.577 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU048582.D

Acq: 16 May 2022 15:04

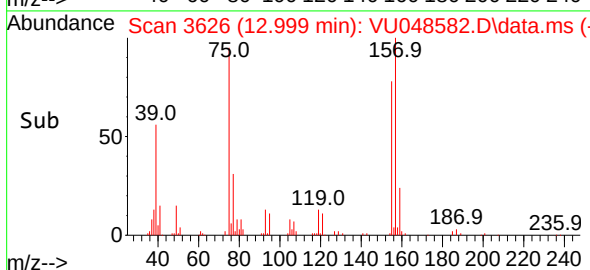
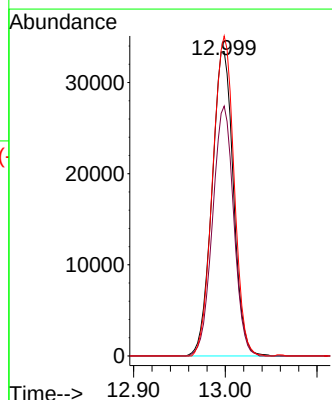
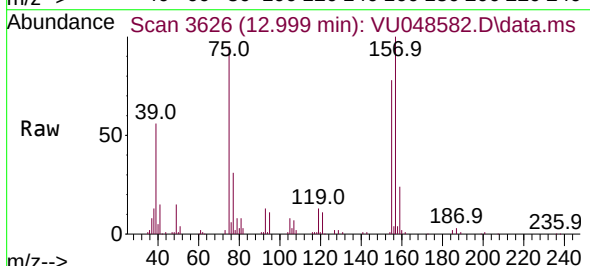
Tgt Ion: 75 Resp: 54371

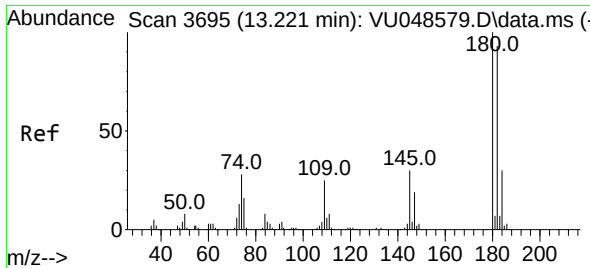
Ion Ratio Lower Upper

75 100

155 82.1 63.5 95.3

157 105.1 83.5 125.3

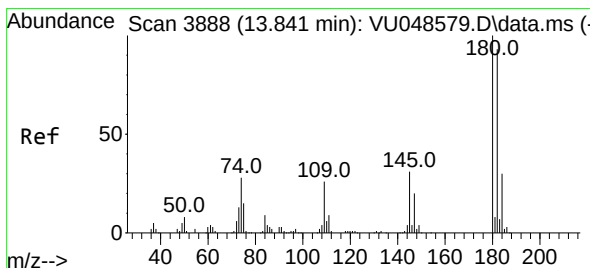
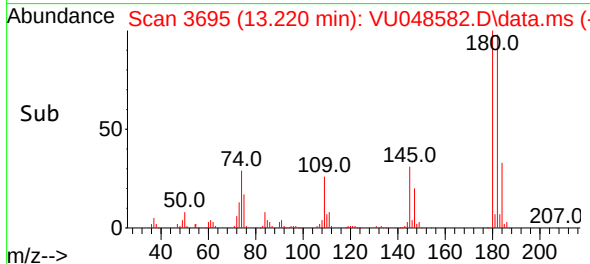
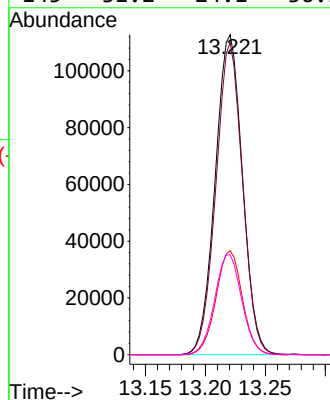
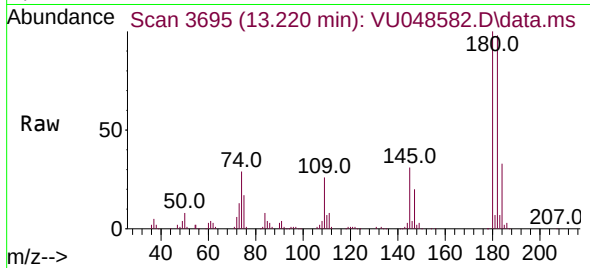




#69  
 1,3,5-Trichlorobenzene  
 Concen: 46.208 ug/L  
 RT: 13.220 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

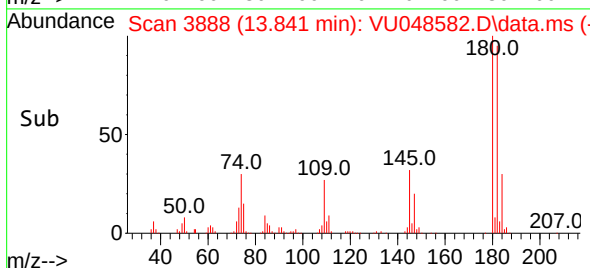
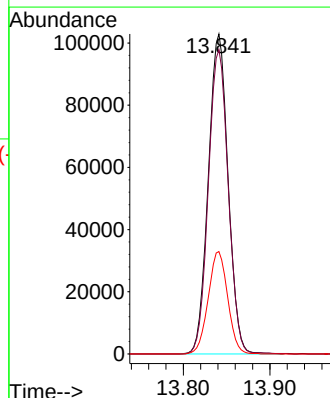
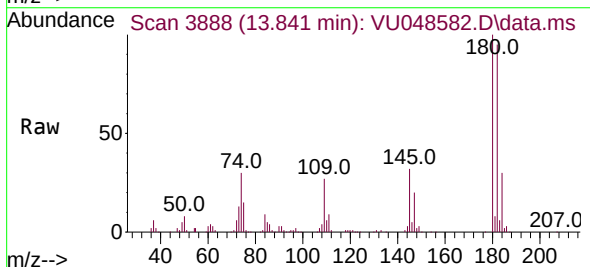
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV073

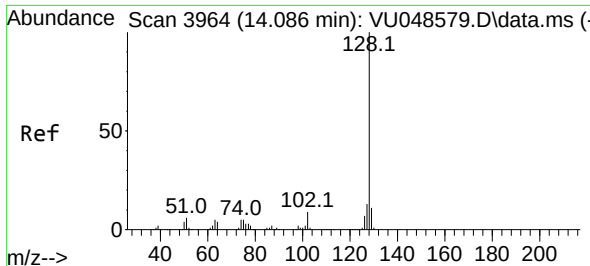
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 178073 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 75.8  | 113.6  |
| 184       | 31.4  | 23.4  | 35.2   |
| 145       | 31.2  | 24.1  | 36.1   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 46.915 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU048582.D  
 Acq: 16 May 2022 15:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 163521 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.1  | 75.8  | 113.8  |
| 145       | 31.5  | 24.9  | 37.3   |

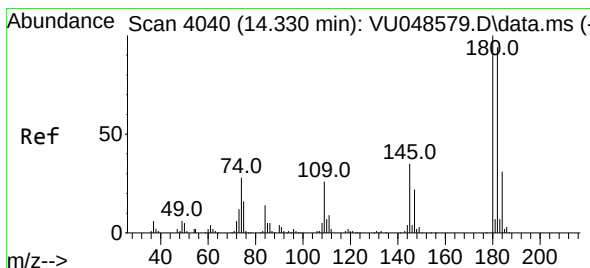
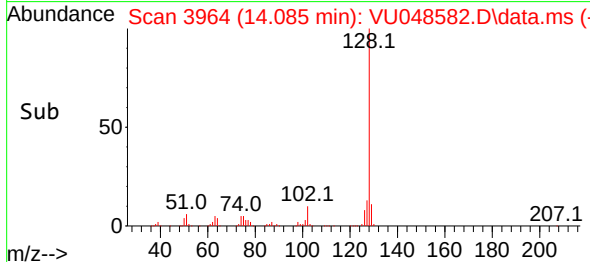
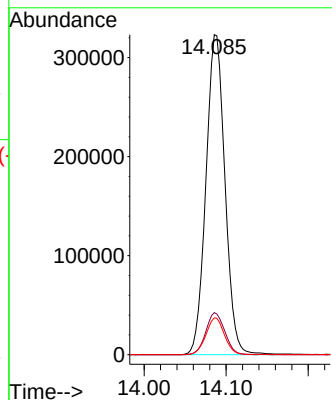
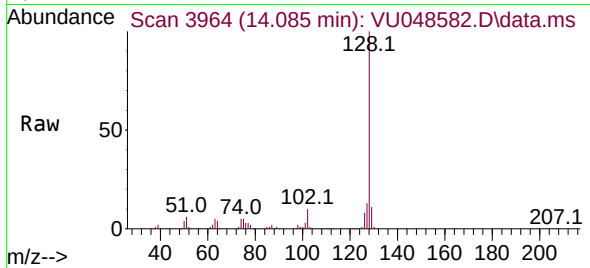




#71  
Naphthalene  
Concen: 45.294 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV073

Tgt Ion:128 Resp: 520549  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.6 16.0  
129 11.2 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 47.229 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU048582.D  
Acq: 16 May 2022 15:04

Tgt Ion:180 Resp: 165276  
Ion Ratio Lower Upper  
180 100  
182 94.1 75.6 113.4  
145 33.9 27.1 40.7

