

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U082422\  
 Data File : U082422.D  
 Acq On : 24 Aug 2022 13:37  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV012

Quant Time: Aug 25 05:17:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 25 05:03:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 381497   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 371708   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 176544   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 211222   | 46.824   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 93.640%  |
| 7) Chloroethane-d5            | 1.909   | 69    | 164552   | 49.299   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 301719   | 47.329   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.660%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 296097   | 100.284  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.280% |
| 24) Chloroform-d              | 5.064   | 84    | 339840   | 46.931   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.860%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 210149   | 46.695   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 32) Benzene-d6                | 5.729   | 84    | 696407   | 50.705   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.420% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 224227   | 49.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.560%  |
| 41) Toluene-d8                | 7.899   | 98    | 629791   | 52.404   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.800% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 97554    | 51.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.800% |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 182317   | 107.975  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 337046   | 48.027   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.060%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 215666   | 51.139   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.280% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 143956   | 48.274   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 164589   | 47.424   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604   | 62    | 162701   | 47.942   | ug/L   | 100      |
| 6) Bromomethane               | 1.851   | 94    | 70394    | 56.097   | ug/L   | 94       |
| 8) Chloroethane               | 1.929   | 64    | 101251   | 49.109   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 209535   | 48.529   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 127783   | 48.272   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 115692   | 49.436   | ug/L   | 100      |
| 13) Acetone                   | 2.630   | 43    | 189796   | 97.766   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790   | 76    | 285158   | 47.750   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948   | 43    | 169141   | 48.426   | ug/L   | 99       |
| 16) Methylene chloride        | 3.044   | 84    | 156221   | 47.898   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 121614   | 49.434   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.363   | 73    | 412490   | 52.976   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 256516   | 48.129   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 149927   | 50.891   | ug/L   | 99       |
| 22) 2-Butanone                | 4.703   | 43    | 269206   | 102.320  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 77774    | 48.336   | ug/L   | 96       |
| 25) Chloroform                | 5.086   | 83    | 270006   | 47.553   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082422\  
 Data File : VU050424.D  
 Acq On : 24 Aug 2022 13:37  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

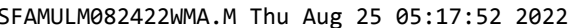
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV012

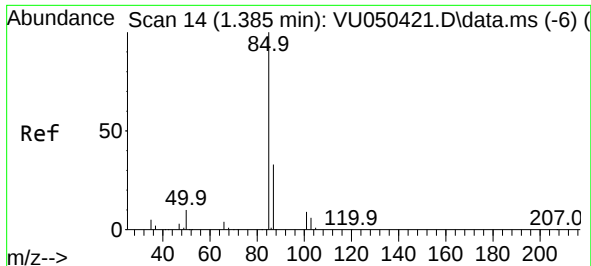
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 25 05:03:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 201240   | 47.512  | ug/L  | 98       |
| 29) Cyclohexane               | 5.388  | 56   | 189592   | 55.448  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 210841   | 49.578  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 171926   | 49.263  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 591978   | 52.601  | ug/L  | 100      |
| 34) Trichloroethene           | 6.543  | 95   | 137555   | 51.636  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 203660   | 54.674  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 161943   | 49.539  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 204721   | 49.086  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 231414   | 53.907  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 477163   | 109.841 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 616809   | 54.399  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 216065   | 53.997  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 160661   | 49.946  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.555  | 164  | 100804   | 51.522  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 416430   | 114.787 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 164603   | 49.401  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 164026   | 51.025  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 378324   | 50.844  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 623053   | 54.520  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.694  | 106  | 236994   | 55.532  | ug/L  | 96       |
| 54) o-Xylene                  | 10.102 | 106  | 240837   | 56.802  | ug/L  | 97       |
| 55) Styrene                   | 10.115 | 104  | 411788   | 57.077  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 290110   | 49.358  | ug/L  | 99       |
| 59) Bromoform                 | 10.292 | 173  | 122079   | 48.288  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 221696   | 48.730  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.485 | 105  | 604292   | 55.339  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 502833   | 57.029  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 503171   | 58.511  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 283908   | 53.174  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 278134   | 51.726  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 294546   | 52.460  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 60561    | 50.087  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 202634   | 55.057  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 181221   | 61.483  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 724595   | 74.942  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 202619   | 62.898  | ug/L  | 100      |

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

Quant Time: Aug 25 05:17:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Aug 25 05:03:52 2022  
Response via : Initial Calibration

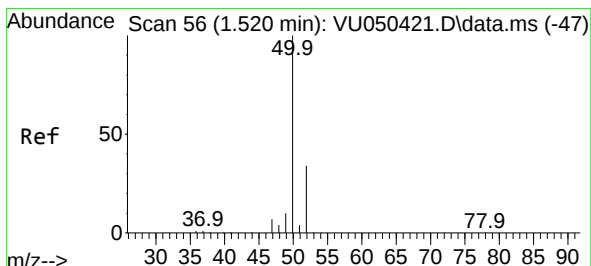
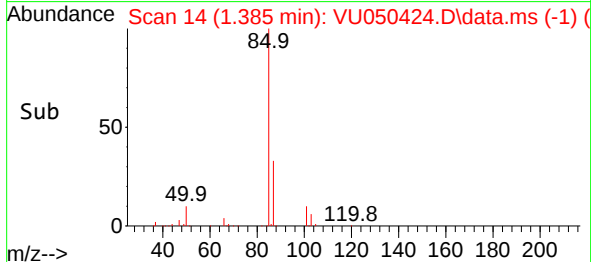
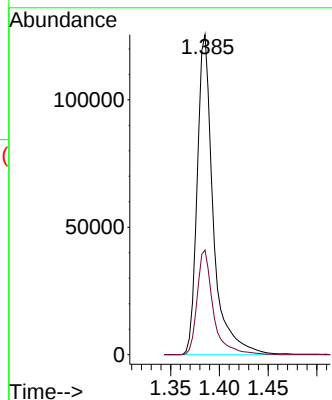
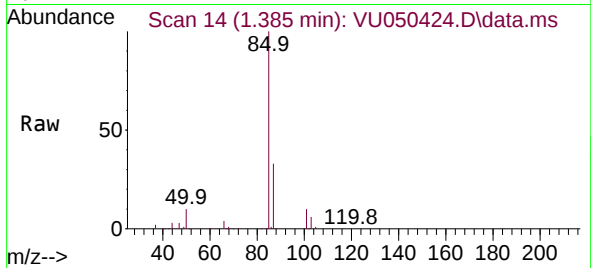




#2  
Dichlorodifluoromethane  
Concen: 48.274 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

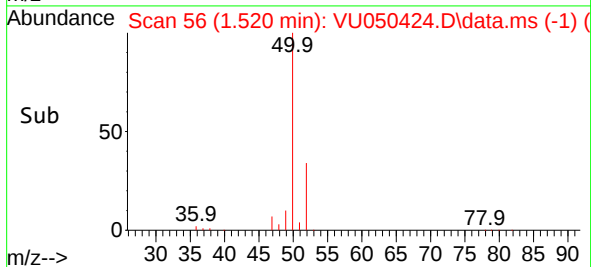
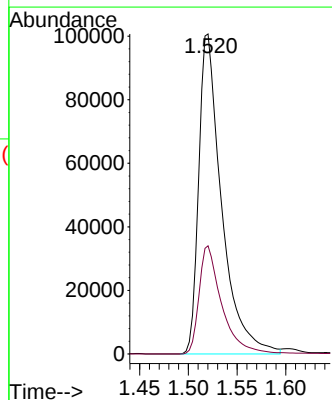
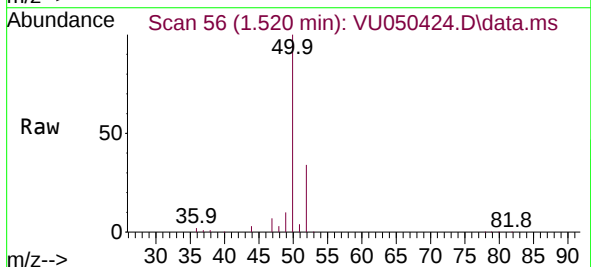
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

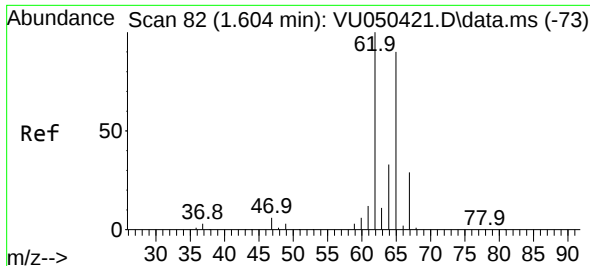
Tgt Ion: 85 Resp: 143956  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.2 39.4



#3  
Chloromethane  
Concen: 47.424 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 50 Resp: 164589  
Ion Ratio Lower Upper  
50 100  
52 33.8 23.4 43.6

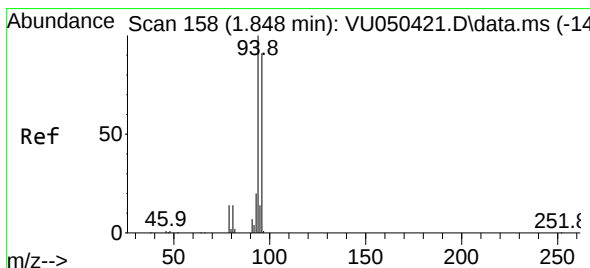
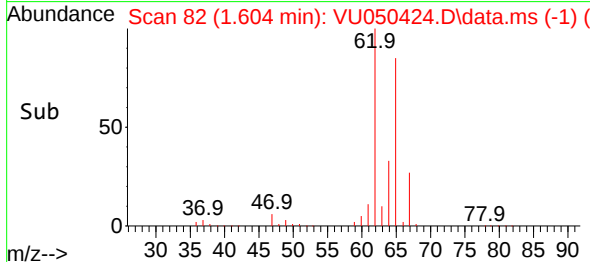
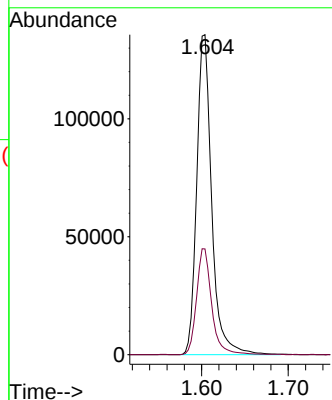
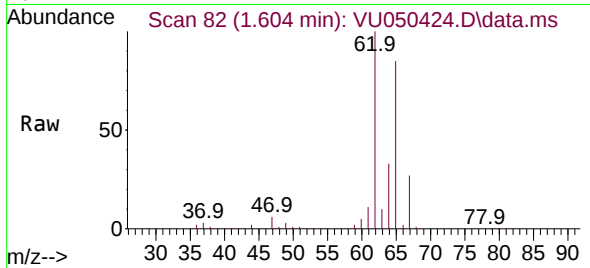




#5  
 Vinyl chloride  
 Concen: 47.942 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU050424.D  
 Acq: 24 Aug 2022 13:37

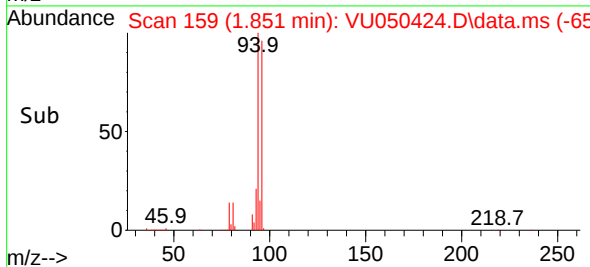
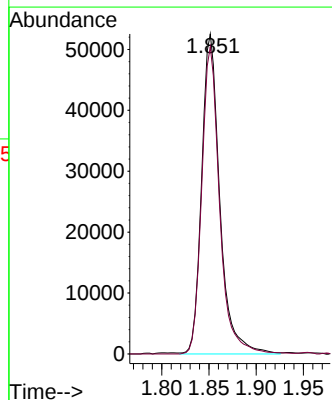
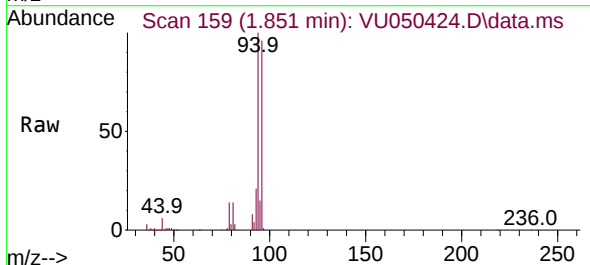
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV012

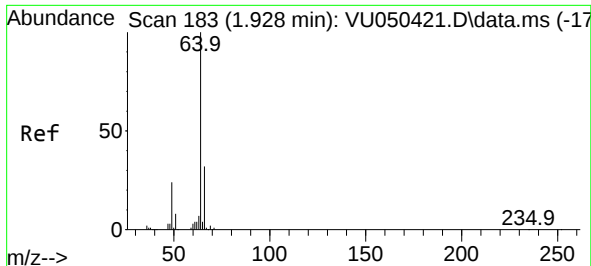
Tgt Ion: 62 Resp: 162701  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.1 42.9



#6  
 Bromomethane  
 Concen: 56.097 ug/L  
 RT: 1.851 min Scan# 159  
 Delta R.T. 0.003 min  
 Lab File: VU050424.D  
 Acq: 24 Aug 2022 13:37

Tgt Ion: 94 Resp: 70394  
 Ion Ratio Lower Upper  
 94 100  
 96 96.0 63.3 117.5

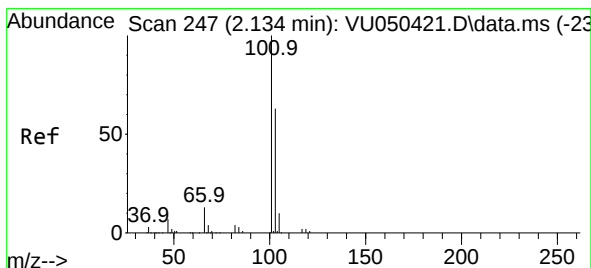
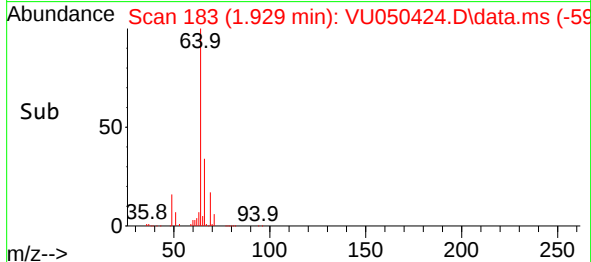
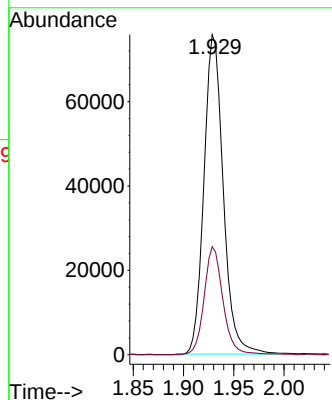
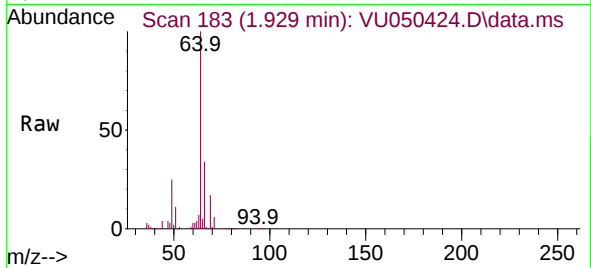




#8  
Chloroethane  
Concen: 49.109 ug/L  
RT: 1.929 min Scan# 183  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

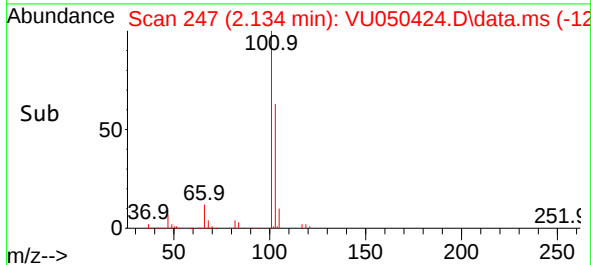
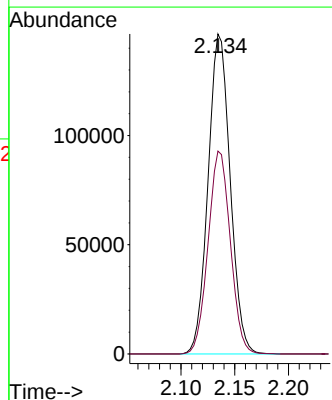
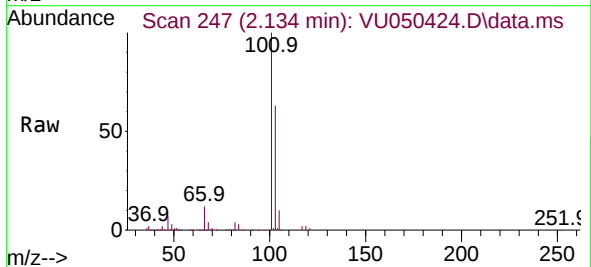
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

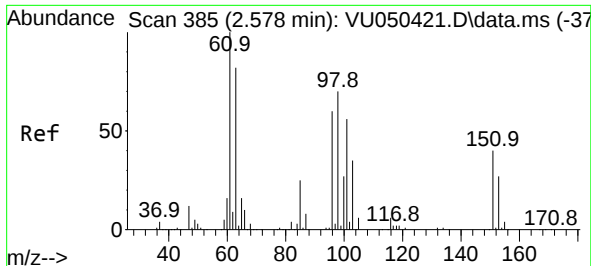
Tgt Ion: 64 Resp: 101251  
Ion Ratio Lower Upper  
64 100  
66 33.8 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 48.529 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 101 Resp: 209535  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.1 76.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.272 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

VICV012

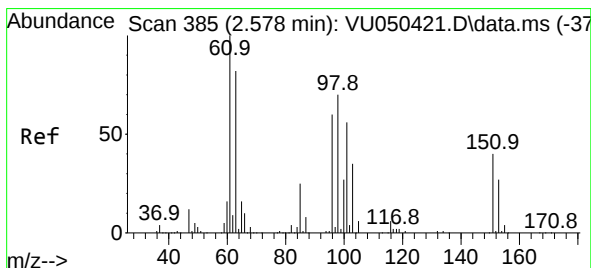
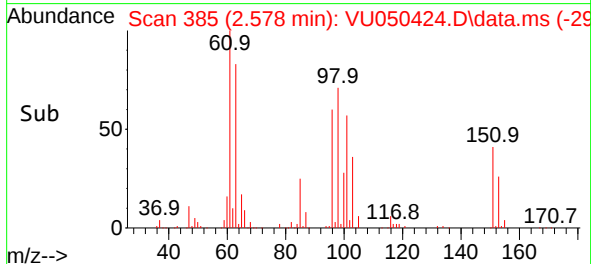
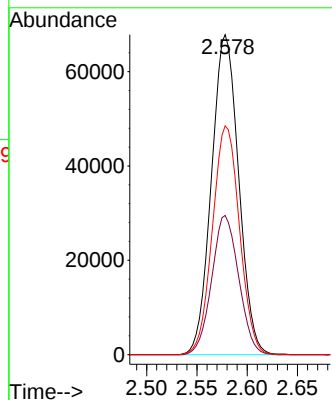
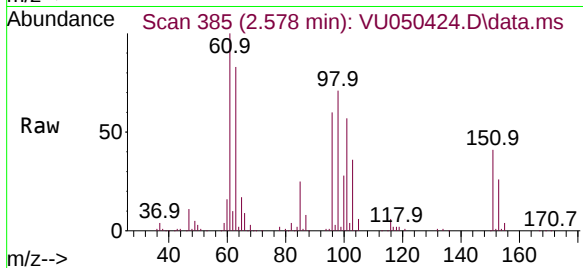
Tgt Ion:101 Resp: 127783

Ion Ratio Lower Upper

101 100

85 43.1 35.3 52.9

151 71.1 57.3 85.9



#12

1,1-Dichloroethene

Concen: 49.436 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

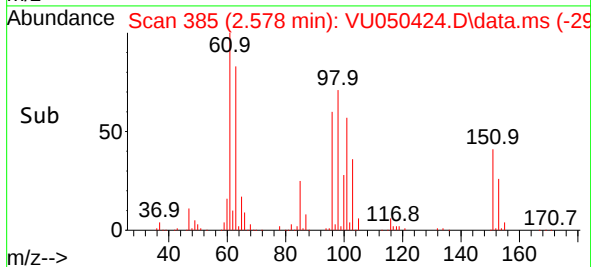
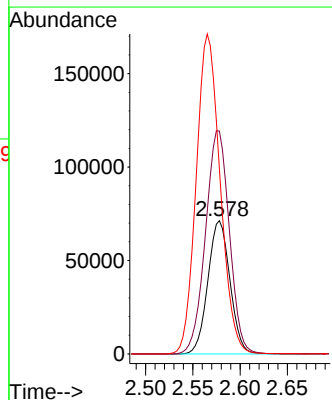
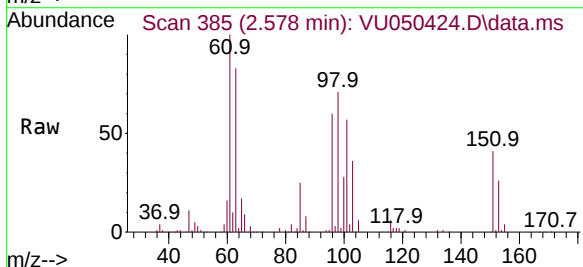
Tgt Ion: 96 Resp: 115692

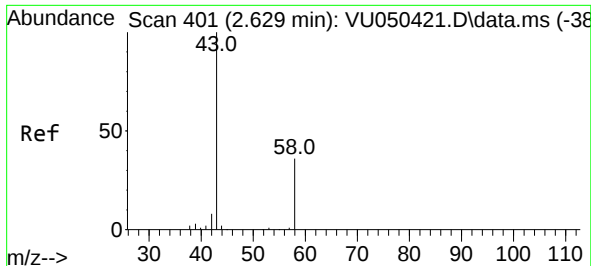
Ion Ratio Lower Upper

96 100

61 167.3 116.8 216.8

63 138.9 97.4 180.8





#13

Acetone

Concen: 97.766 ug/L

RT: 2.630 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

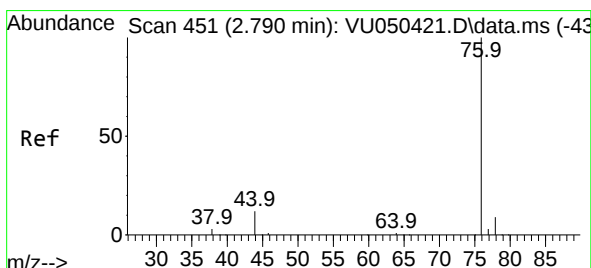
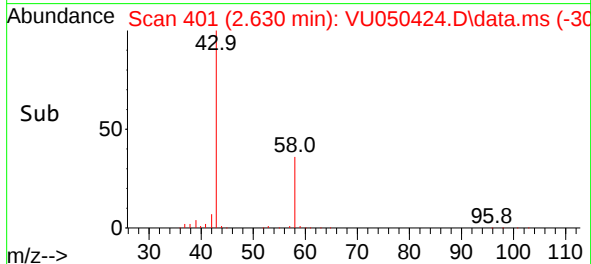
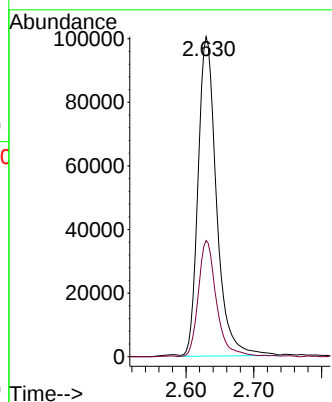
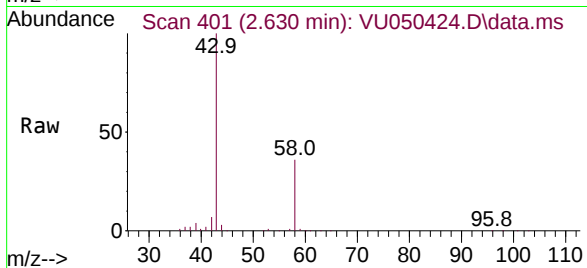
VICV012

Tgt Ion: 43 Resp: 189796

Ion Ratio Lower Upper

43 100

58 35.6 0.0 72.2



#14

Carbon disulfide

Concen: 47.750 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050424.D

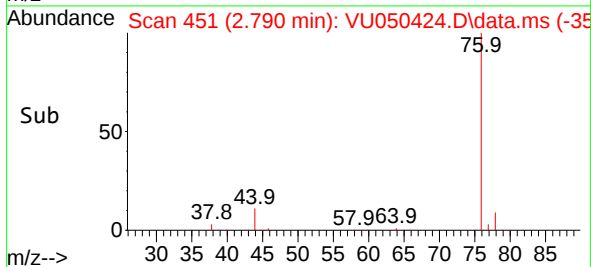
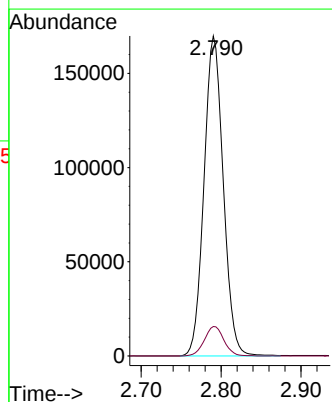
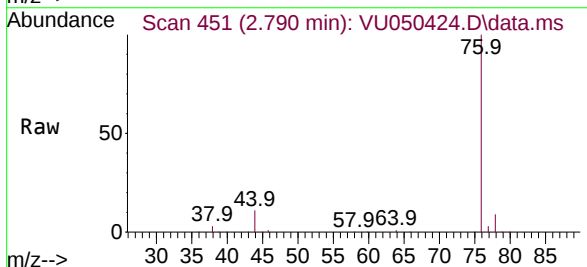
Acq: 24 Aug 2022 13:37

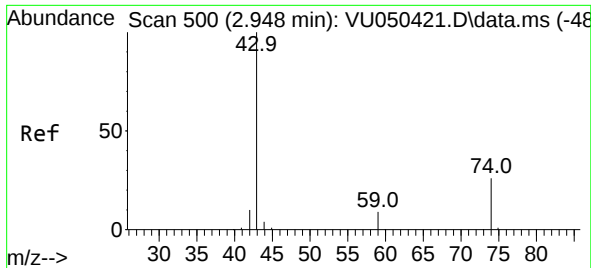
Tgt Ion: 76 Resp: 285158

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

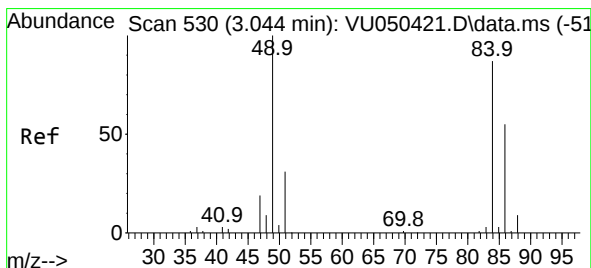
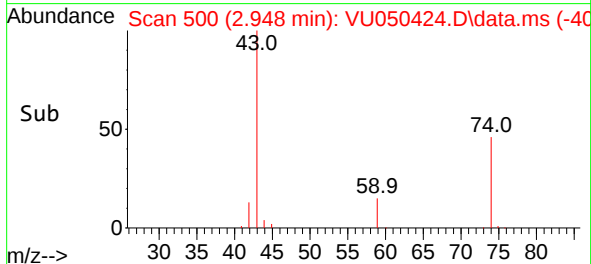
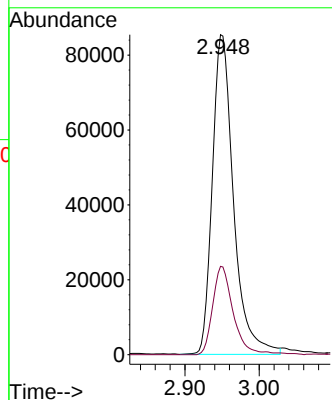
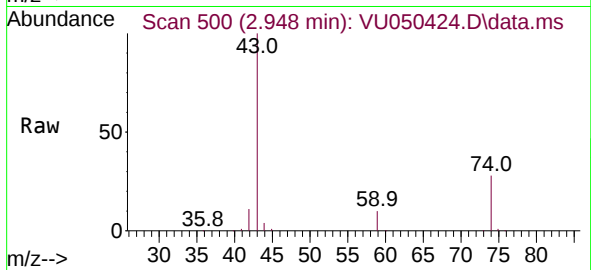




#15  
Methyl Acetate  
Concen: 48.426 ug/L  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

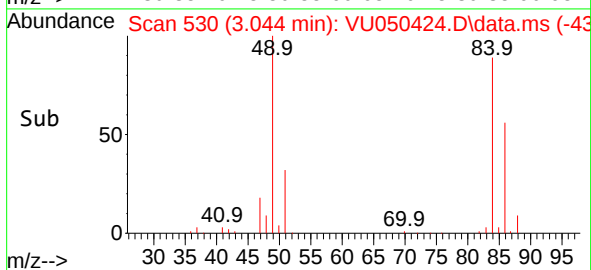
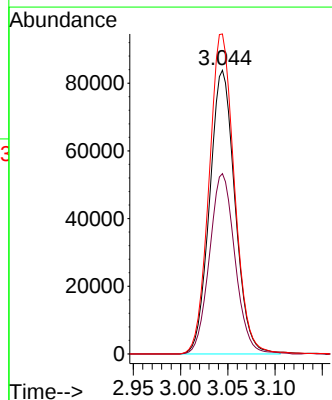
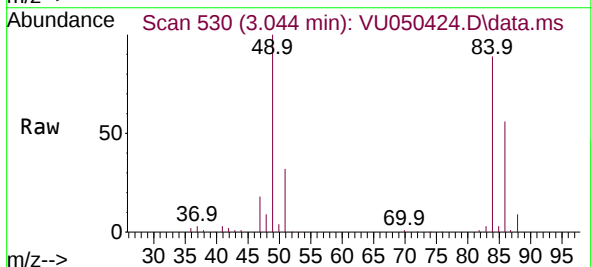
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

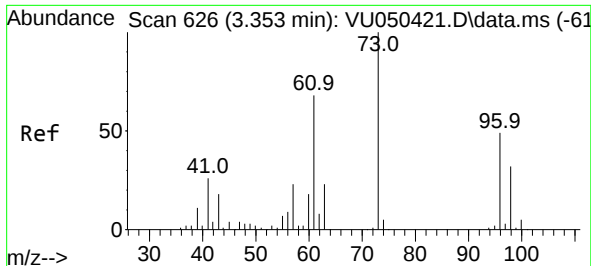
Tgt Ion: 43 Resp: 169141  
Ion Ratio Lower Upper  
43 100  
74 26.2 21.2 31.8



#16  
Methylene chloride  
Concen: 47.898 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 84 Resp: 156221  
Ion Ratio Lower Upper  
84 100  
86 63.5 43.9 81.5  
49 112.8 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 49.434 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

VICV012

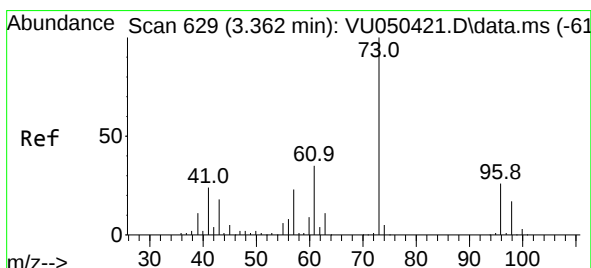
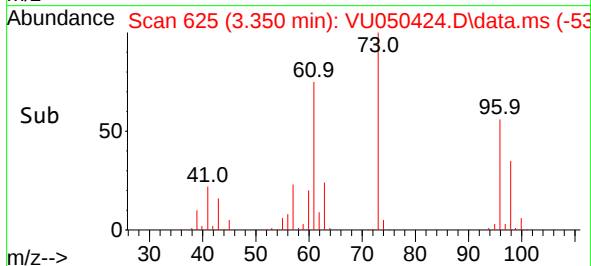
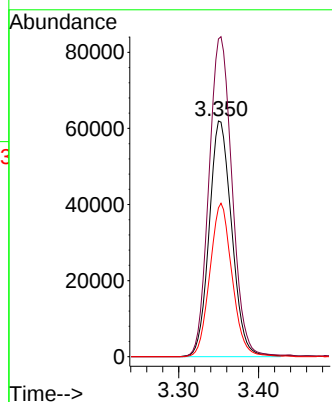
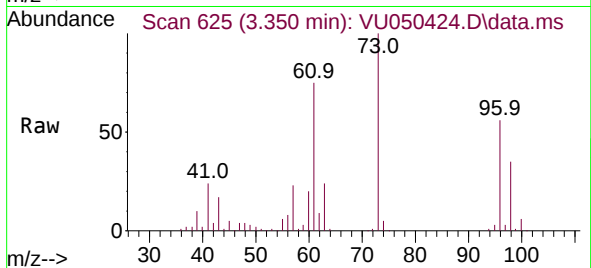
Tgt Ion: 96 Resp: 121614

Ion Ratio Lower Upper

96 100

61 134.9 98.5 182.9

98 63.1 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 52.976 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

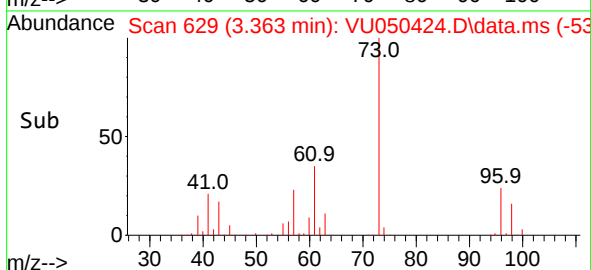
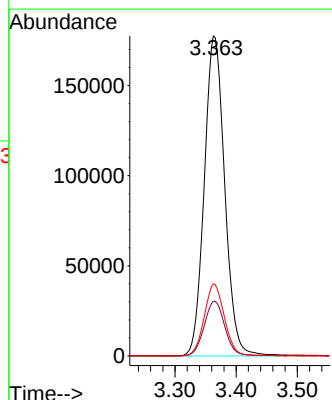
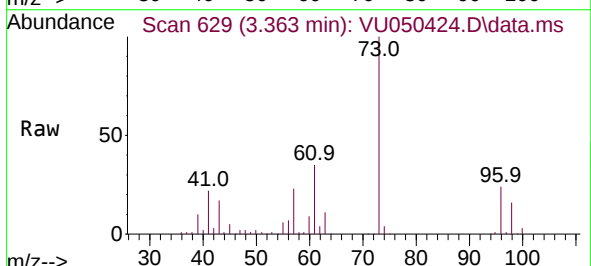
Tgt Ion: 73 Resp: 412490

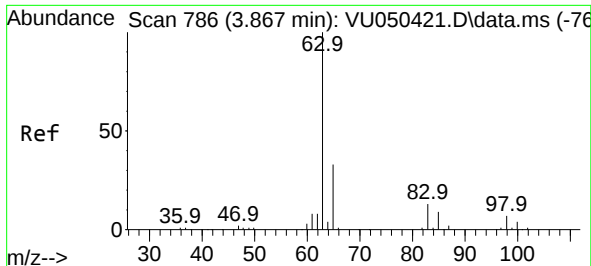
Ion Ratio Lower Upper

73 100

43 17.1 14.4 21.6

57 22.3 17.8 26.8

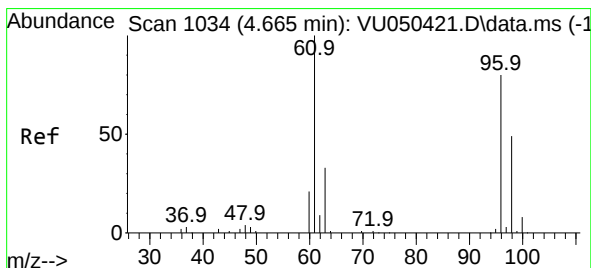
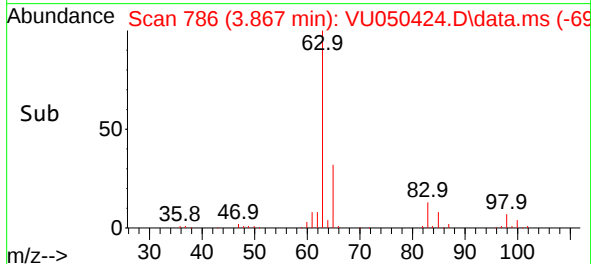
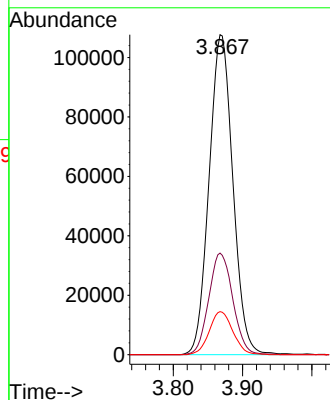
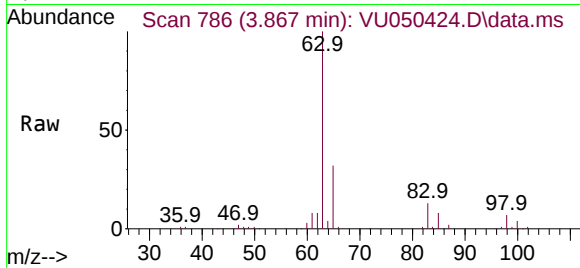




#19  
1,1-Dichloroethane  
Concen: 48.129 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

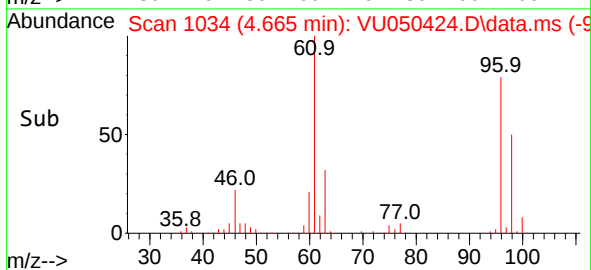
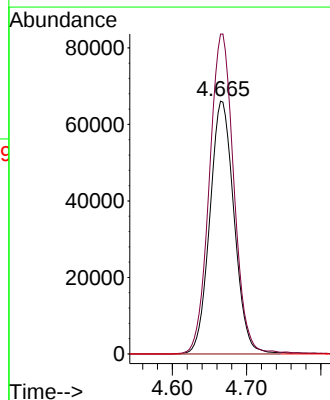
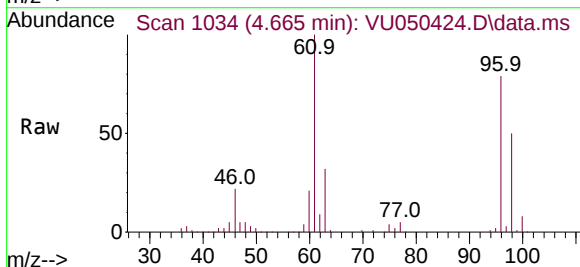
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

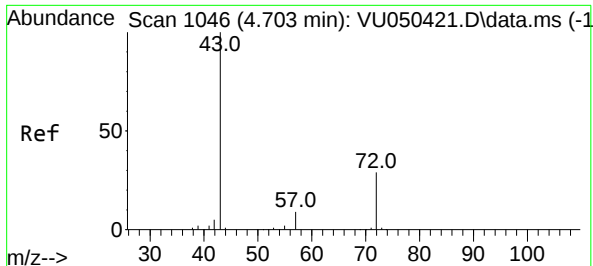
Tgt Ion: 63 Resp: 256516  
Ion Ratio Lower Upper  
63 100  
65 31.7 23.3 43.3  
83 13.4 9.0 16.8



#20  
cis-1,2-Dichloroethene  
Concen: 50.891 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 96 Resp: 149927  
Ion Ratio Lower Upper  
96 100  
61 126.5 88.1 163.5  
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.320 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

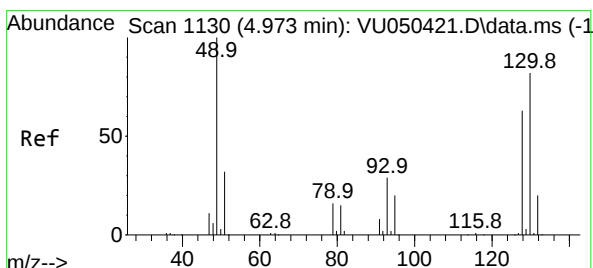
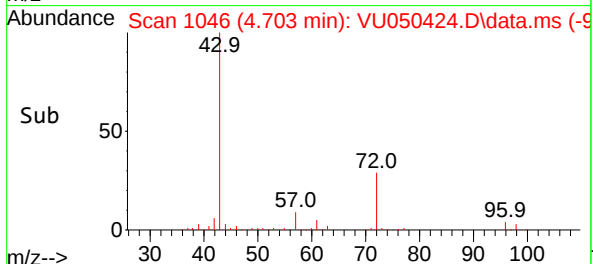
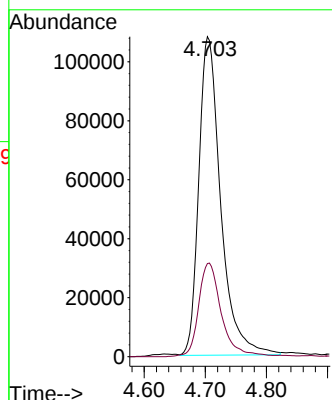
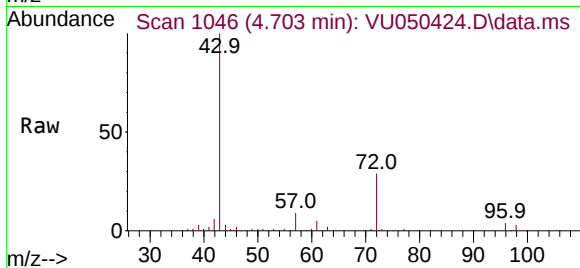
VICV012

Tgt Ion: 43 Resp: 269206

Ion Ratio Lower Upper

43 100

72 30.5 15.0 45.0



#23

Bromochloromethane

Concen: 48.336 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Tgt Ion: 128 Resp: 77774

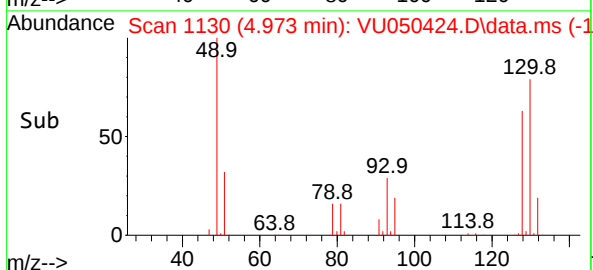
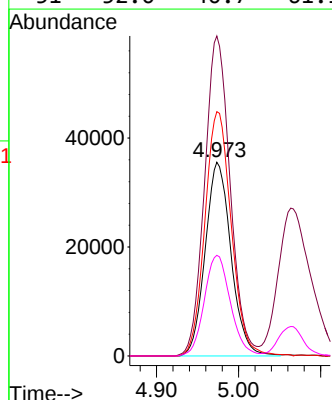
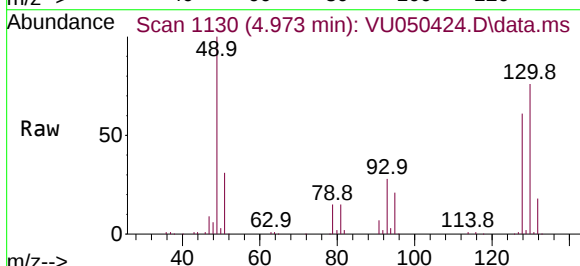
Ion Ratio Lower Upper

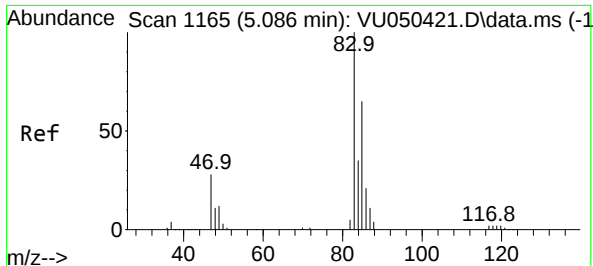
128 100

49 165.2 111.2 206.4

130 126.1 91.1 169.1

51 52.0 40.7 61.1

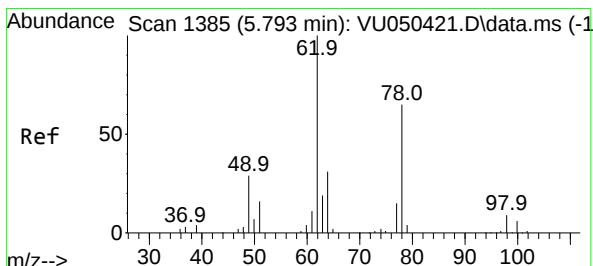
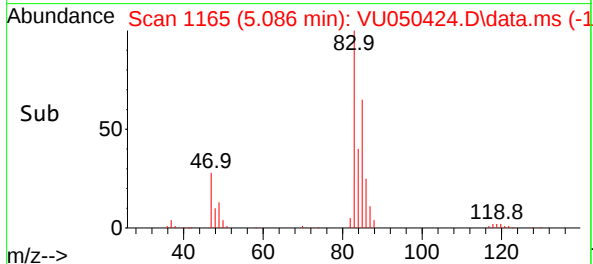
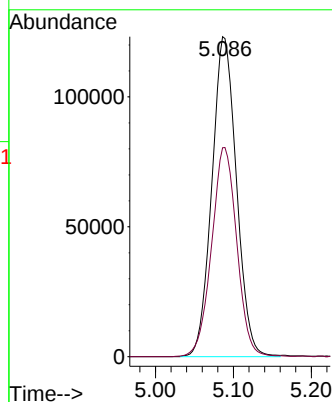
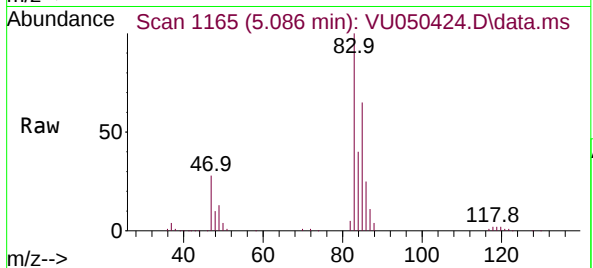




#25  
Chloroform  
Concen: 47.553 ug/L  
RT: 5.086 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

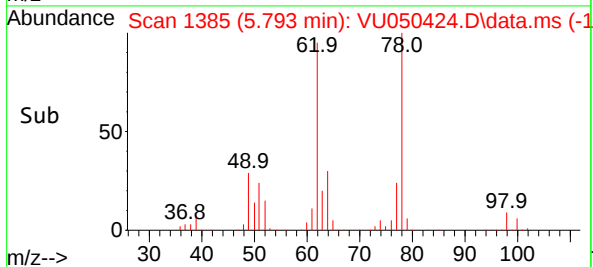
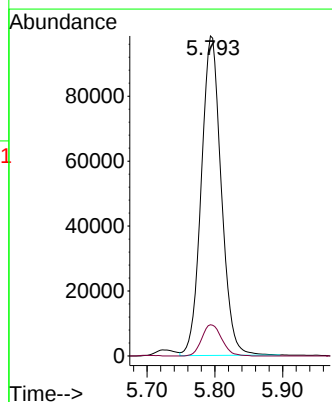
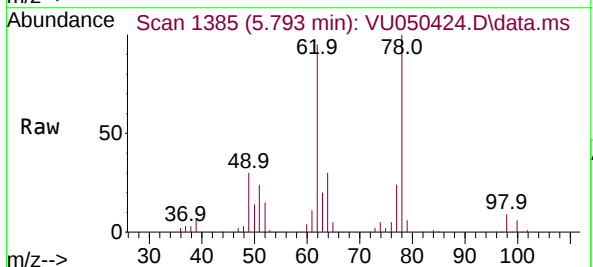
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

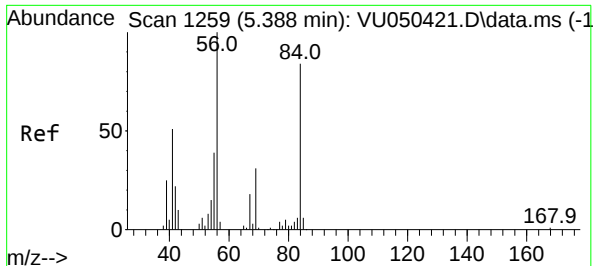
Tgt Ion: 83 Resp: 270006  
Ion Ratio Lower Upper  
83 100  
85 65.3 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 47.512 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 62 Resp: 201240  
Ion Ratio Lower Upper  
62 100  
98 9.7 7.3 10.9





#29

Cyclohexane

Concen: 55.448 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

VICV012

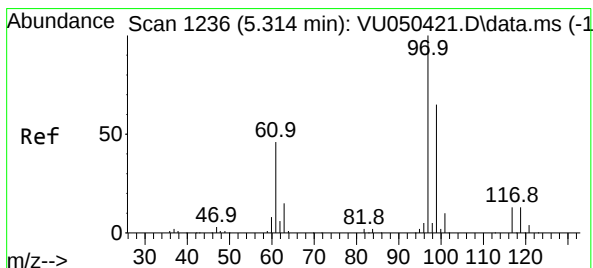
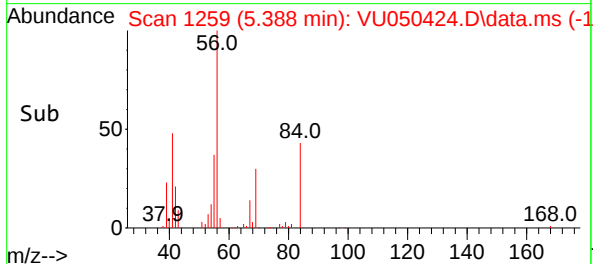
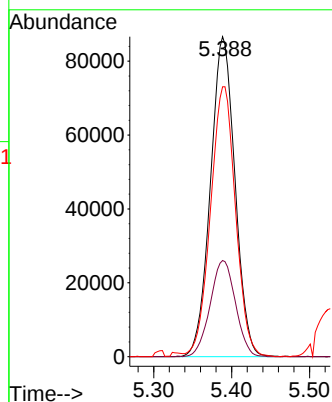
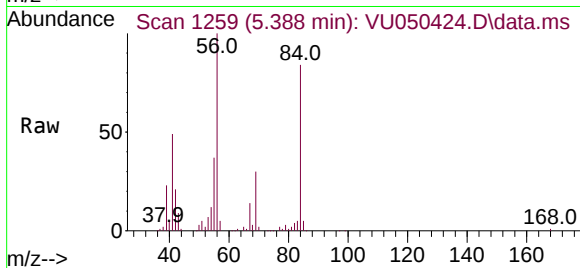
Tgt Ion: 56 Resp: 189592

Ion Ratio Lower Upper

56 100

69 31.0 24.6 36.8

84 86.2 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 49.578 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

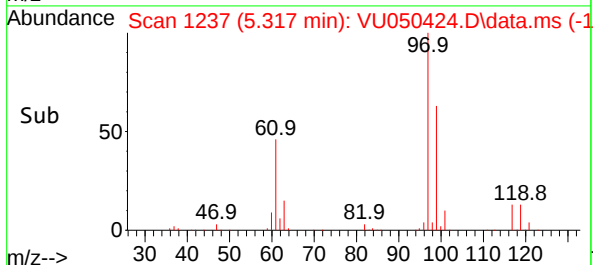
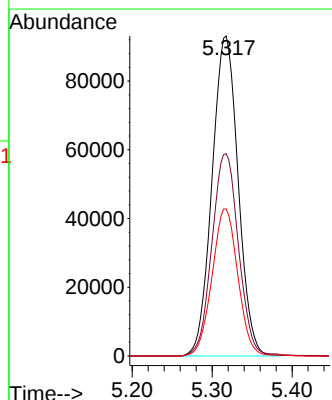
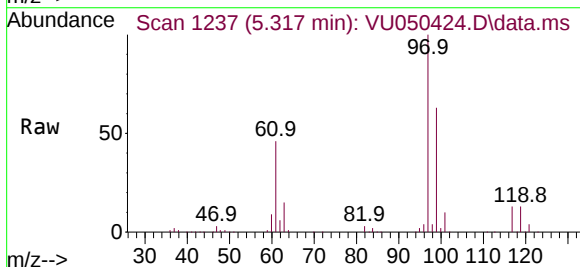
Tgt Ion: 97 Resp: 210841

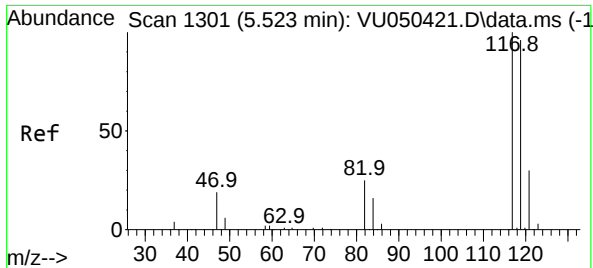
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 45.4 36.6 55.0

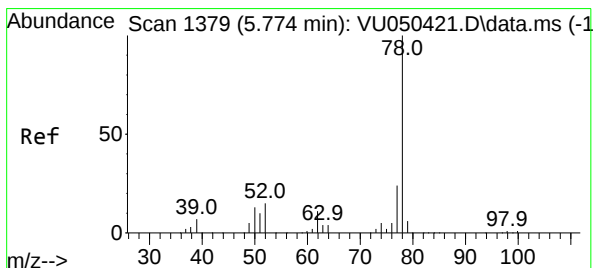
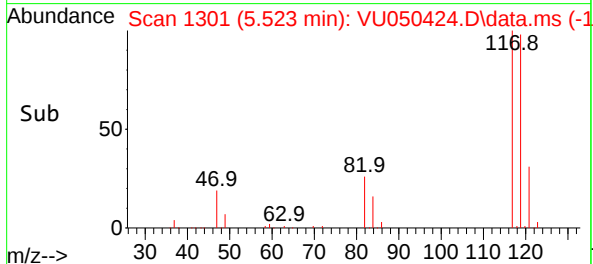
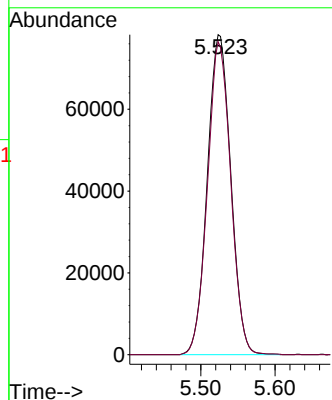
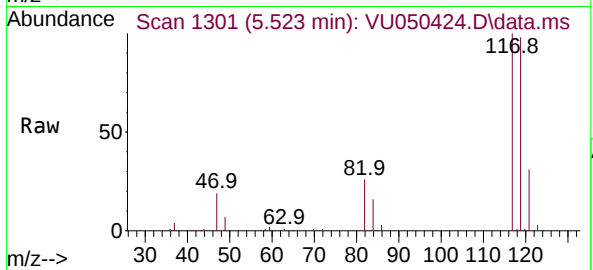




#31  
Carbon tetrachloride  
Concen: 49.263 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

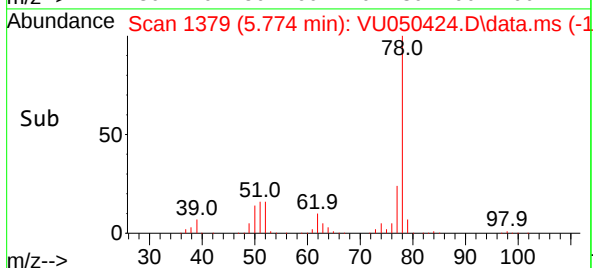
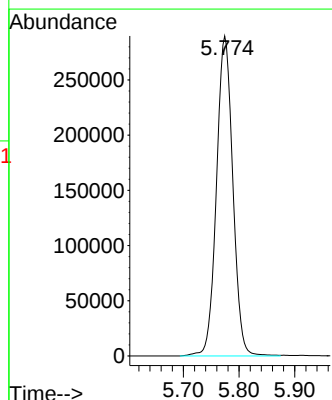
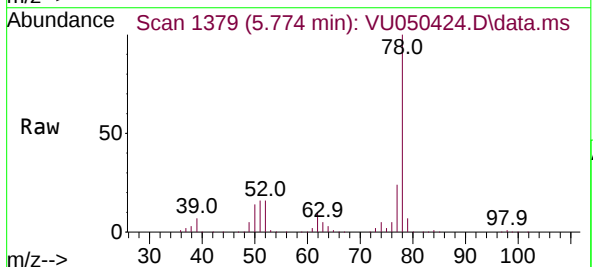
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

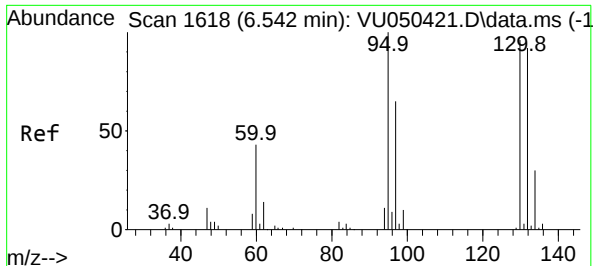
Tgt Ion:117 Resp: 171926  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.9 115.3



#33  
Benzene  
Concen: 52.601 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 78 Resp: 591978

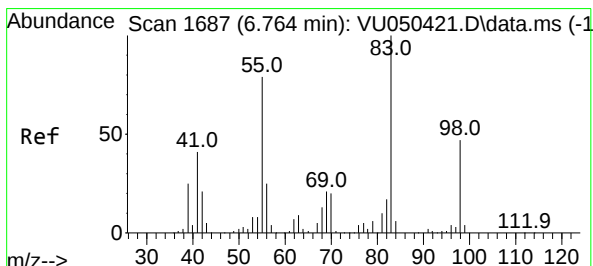
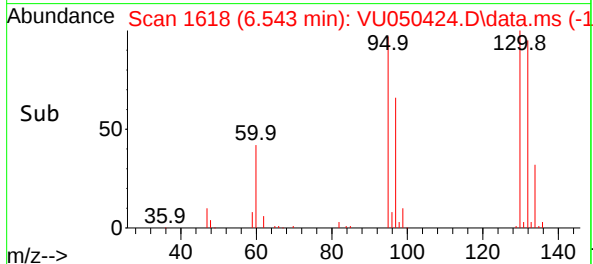
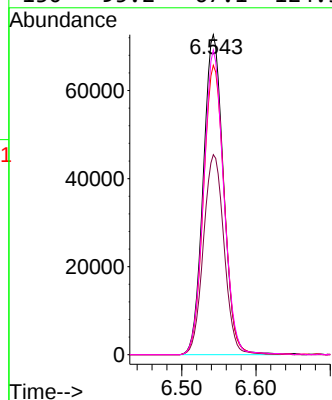
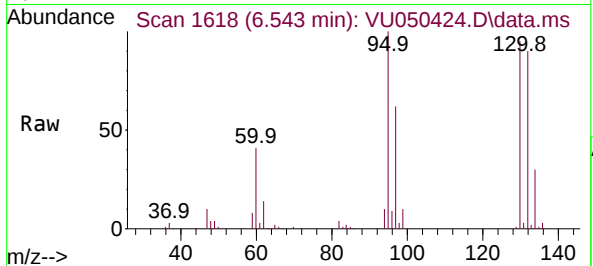




#34  
Trichloroethene  
Concen: 51.636 ug/L  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

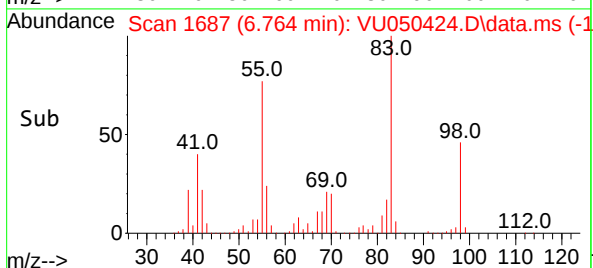
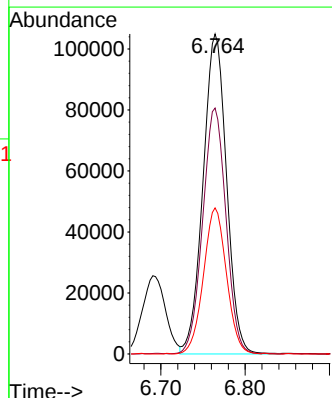
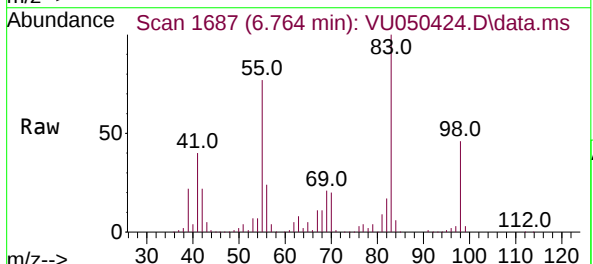
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

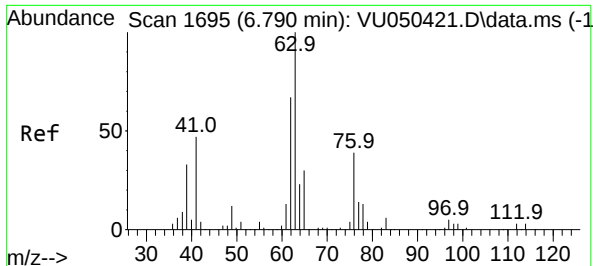
Tgt Ion: 95 Resp: 137555  
Ion Ratio Lower Upper  
95 100  
97 62.5 45.2 84.0  
132 90.4 64.4 119.6  
130 95.2 67.1 124.5



#35  
Methylcyclohexane  
Concen: 54.674 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 83 Resp: 203660  
Ion Ratio Lower Upper  
83 100  
55 76.3 61.9 92.9  
98 44.7 35.8 53.8





#37

1,2-Dichloropropane

Concen: 49.539 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

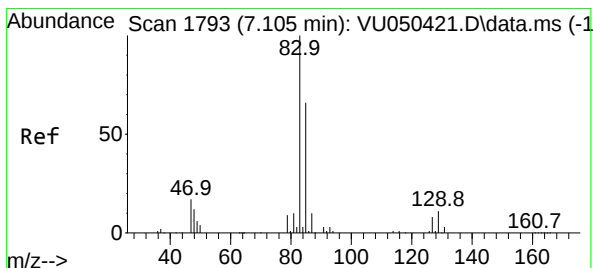
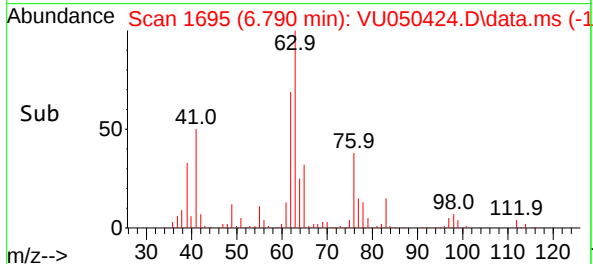
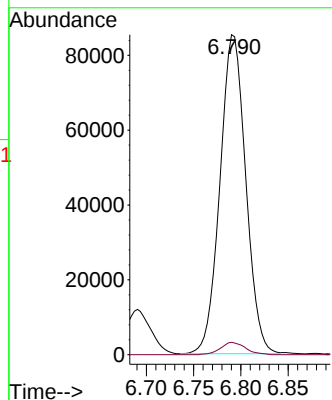
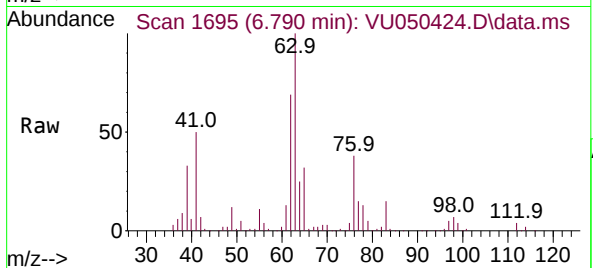
VICV012

Tgt Ion: 63 Resp: 161943

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 49.086 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

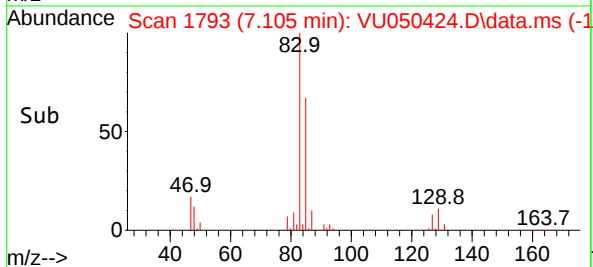
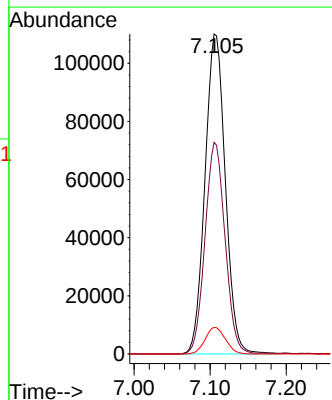
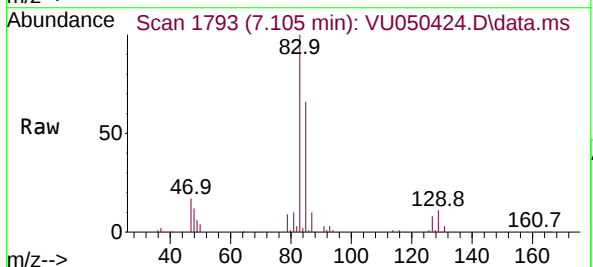
Tgt Ion: 83 Resp: 204721

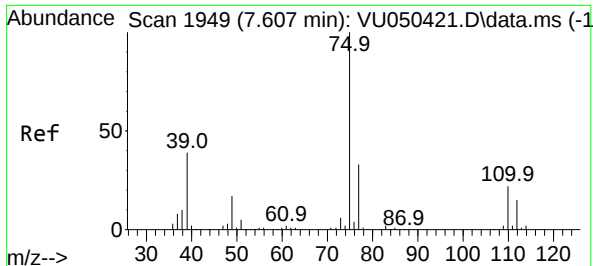
Ion Ratio Lower Upper

83 100

85 66.1 46.2 85.8

127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 53.907 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

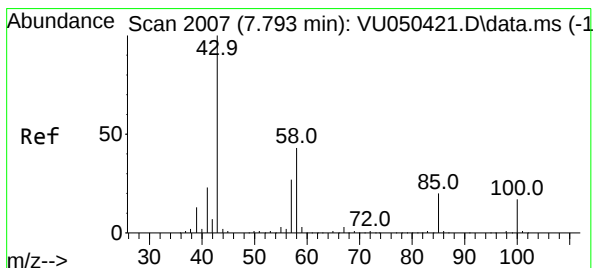
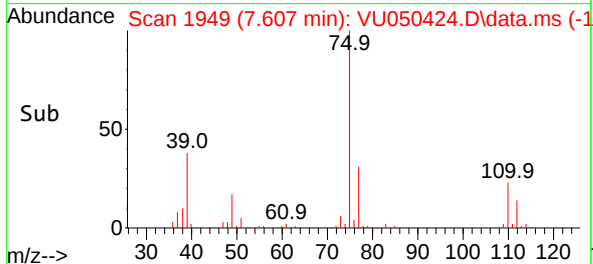
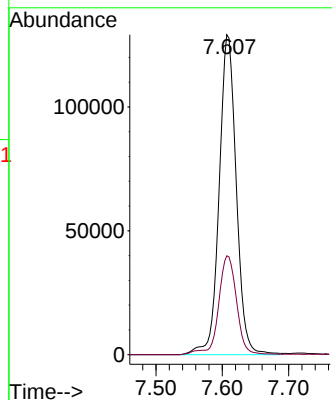
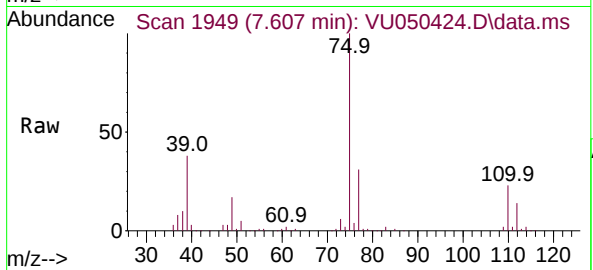
VICV012

Tgt Ion: 75 Resp: 231414

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 109.841 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

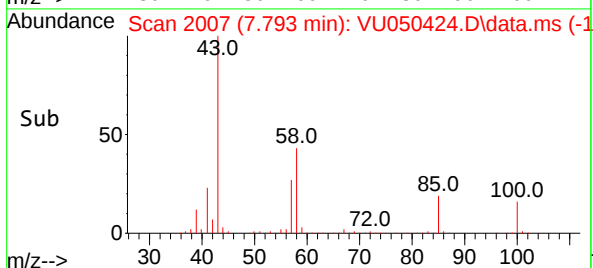
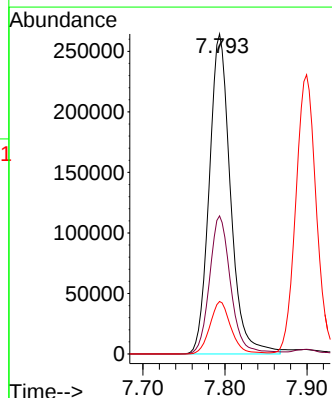
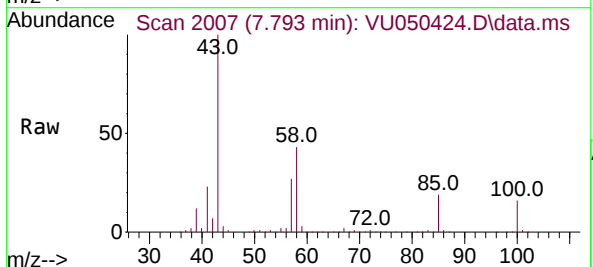
Tgt Ion: 43 Resp: 477163

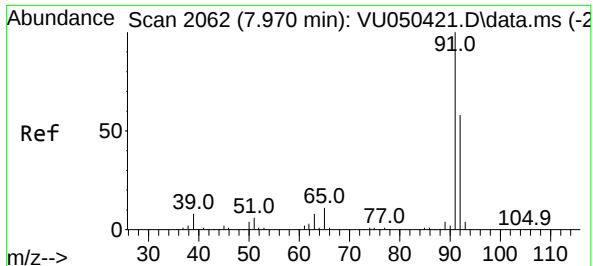
Ion Ratio Lower Upper

43 100

58 43.1 34.0 51.0

100 16.2 13.0 19.4





#42

Toluene

Concen: 54.399 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

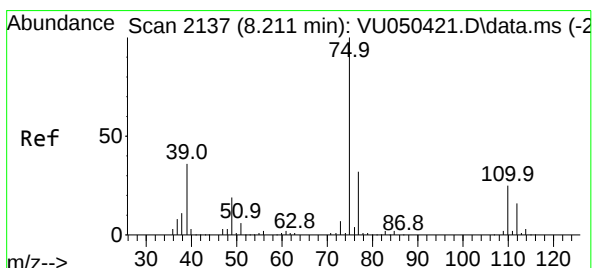
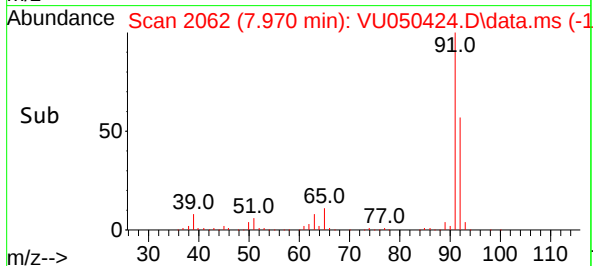
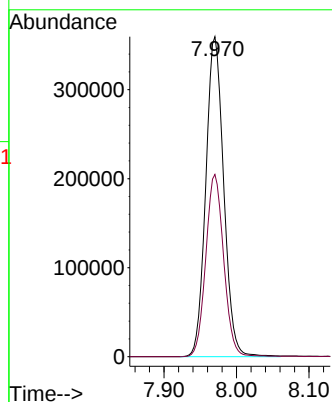
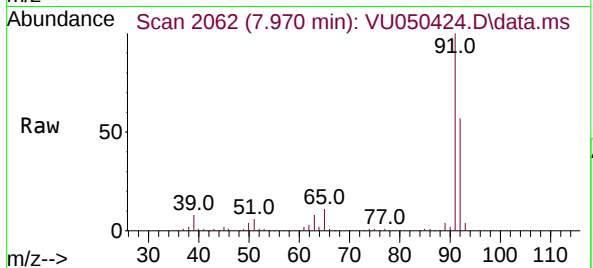
VICV012

Tgt Ion: 91 Resp: 616809

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 53.997 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050424.D

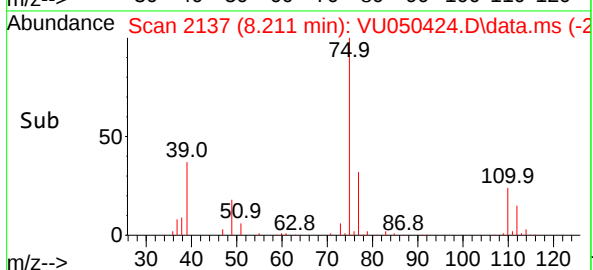
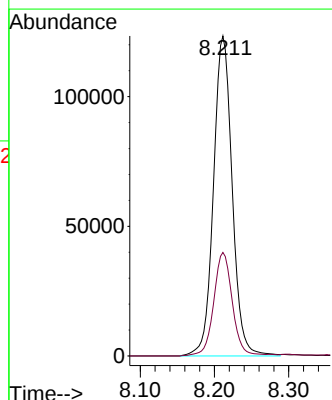
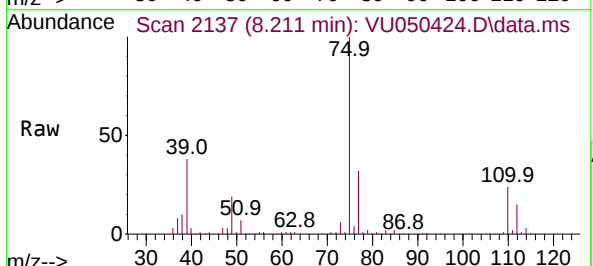
Acq: 24 Aug 2022 13:37

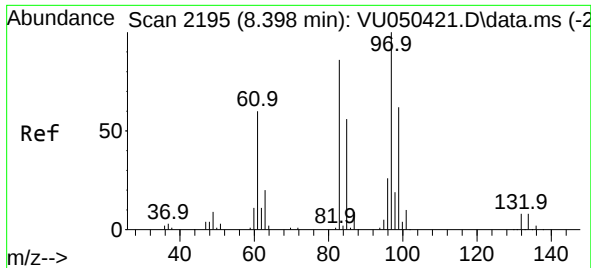
Tgt Ion: 75 Resp: 216065

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7

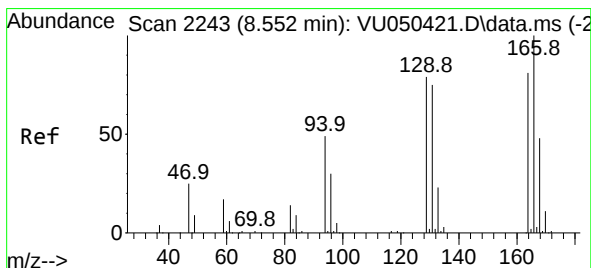
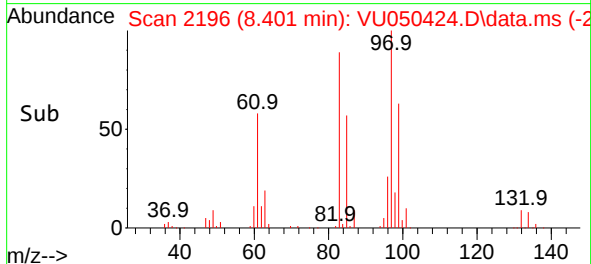
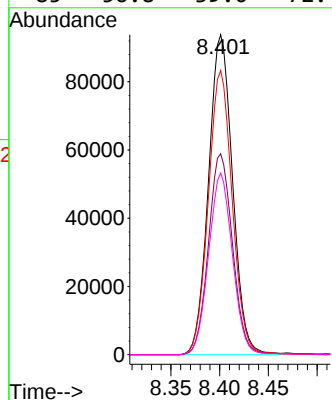
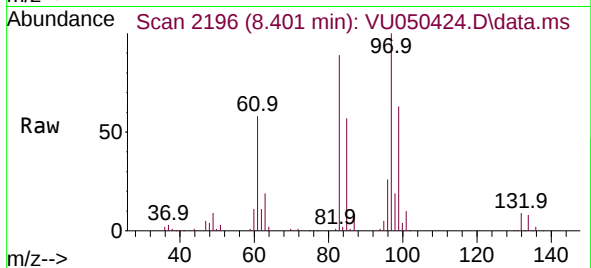




#45  
1,1,2-Trichloroethane  
Concen: 49.946 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

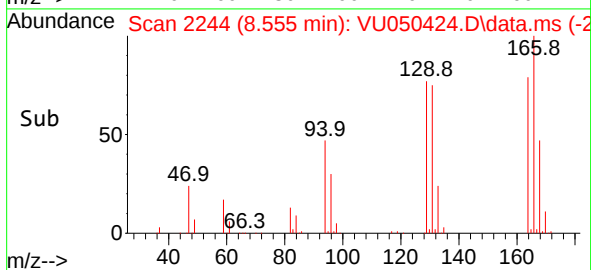
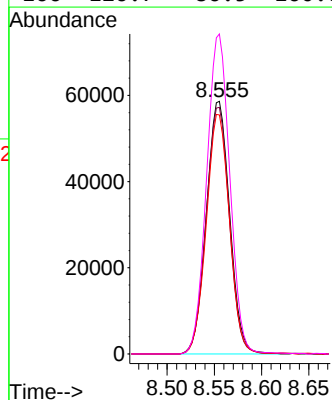
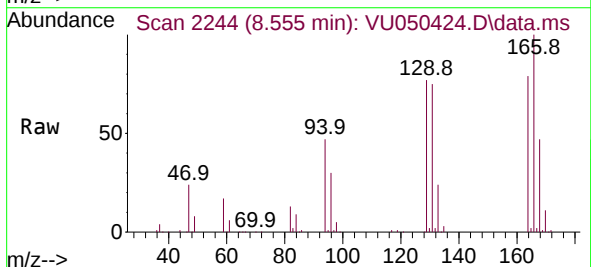
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

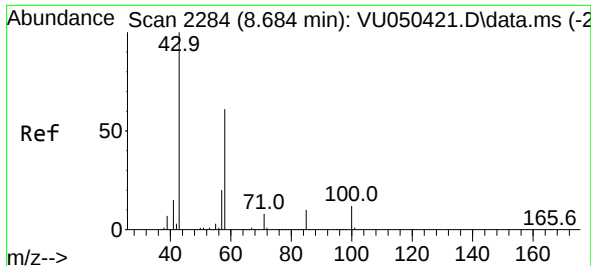
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 160661 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.8  | 43.3  | 80.3   |
| 83       | 88.8  | 60.3  | 112.1  |
| 85       | 56.8  | 39.0  | 72.4   |



#46  
Tetrachloroethene  
Concen: 51.522 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 100804 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 97.6  | 68.0  | 126.4  |
| 131      | 94.6  | 65.4  | 121.4  |
| 166      | 126.7 | 86.5  | 160.7  |

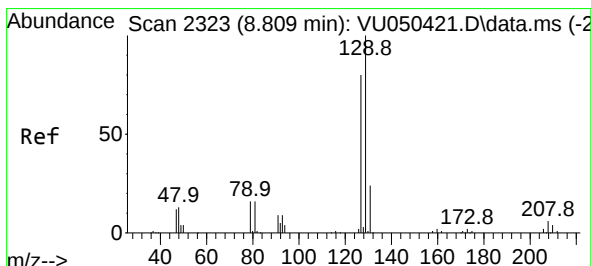
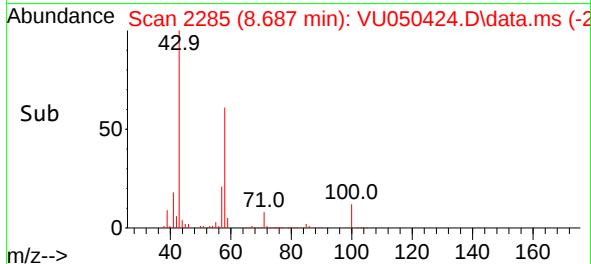
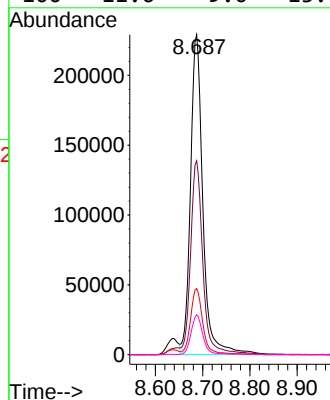
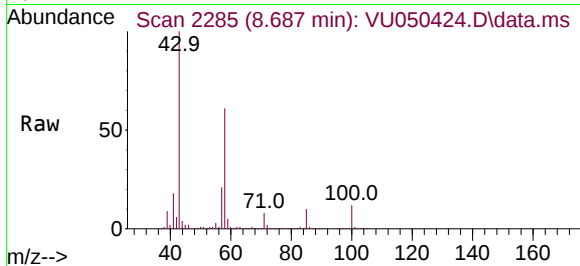




#48  
2-Hexanone  
Concen: 114.787 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

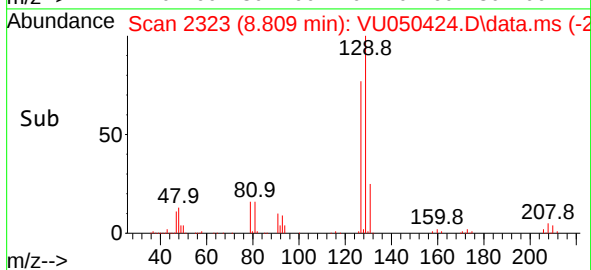
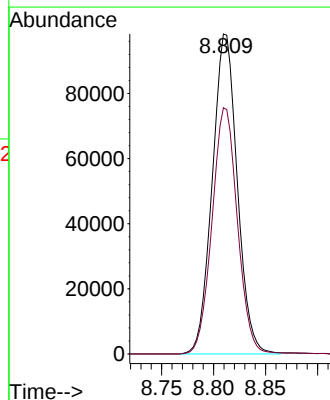
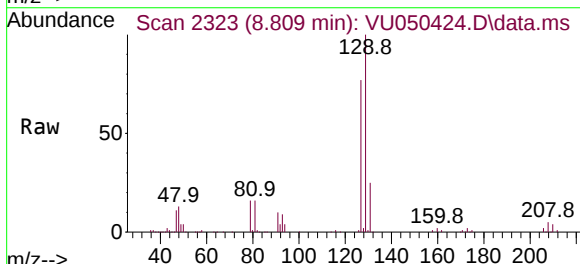
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

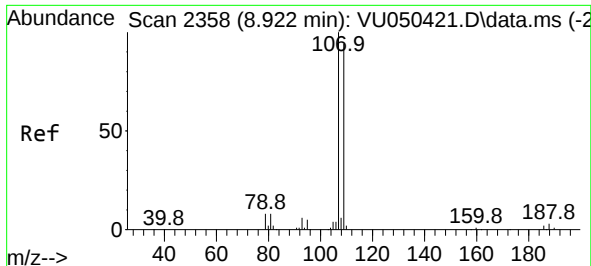
Tgt Ion: 43 Resp: 416430  
Ion Ratio Lower Upper  
43 100  
58 57.8 47.9 71.9  
57 18.9 15.4 23.0  
100 11.6 9.0 13.6



#49  
Dibromochloromethane  
Concen: 49.401 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:129 Resp: 164603  
Ion Ratio Lower Upper  
129 100  
127 76.9 55.9 103.7

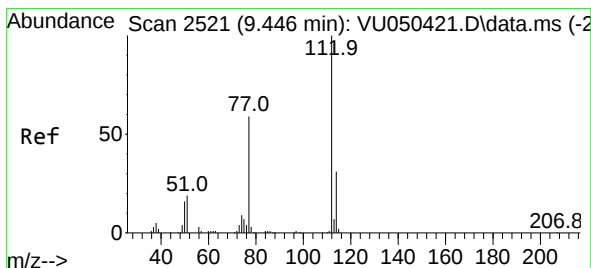
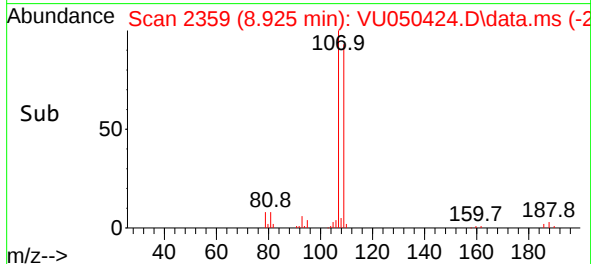
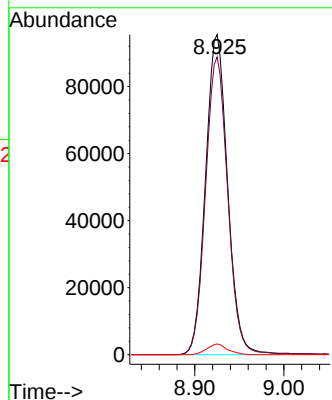
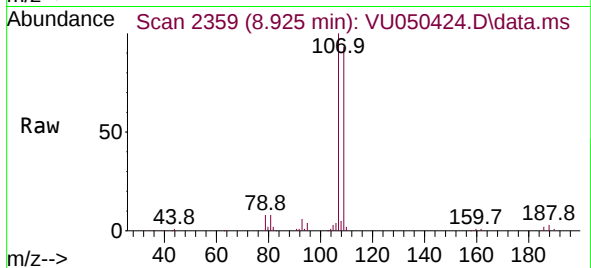




#50  
1,2-Dibromoethane  
Concen: 51.025 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

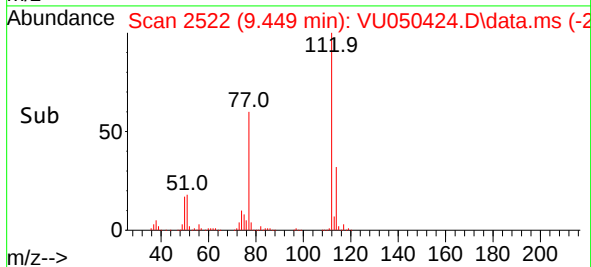
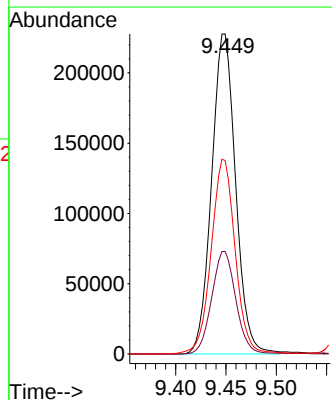
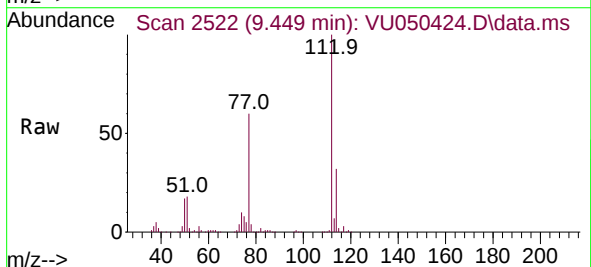
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

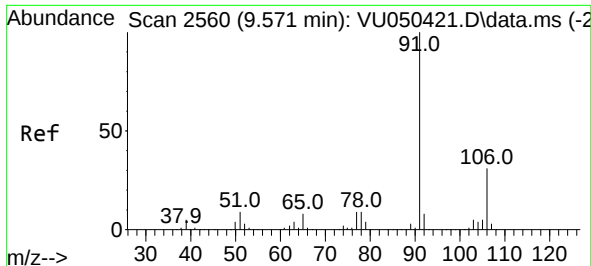
Tgt Ion:107 Resp: 164026  
Ion Ratio Lower Upper  
107 100  
109 93.0 66.0 122.6  
188 3.3 2.7 4.1



#51  
Chlorobenzene  
Concen: 50.844 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:112 Resp: 378324  
Ion Ratio Lower Upper  
112 100  
114 32.0 21.8 40.6  
77 60.5 47.6 71.4

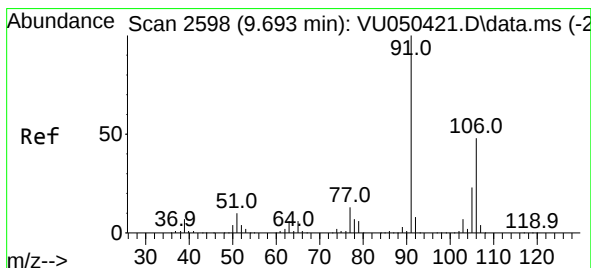
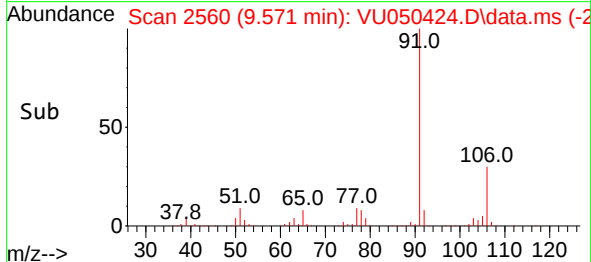
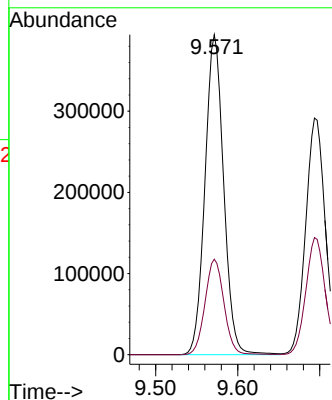
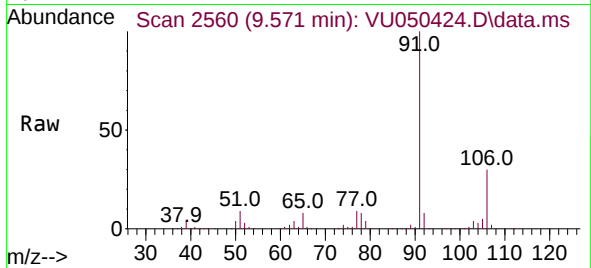




#52  
Ethylbenzene  
Concen: 54.520 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

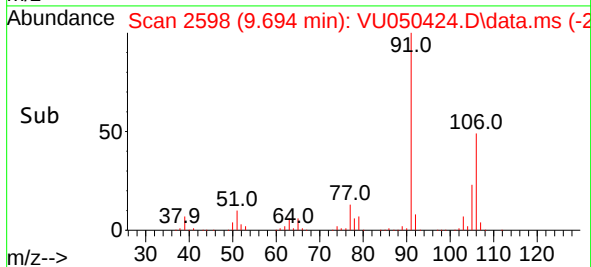
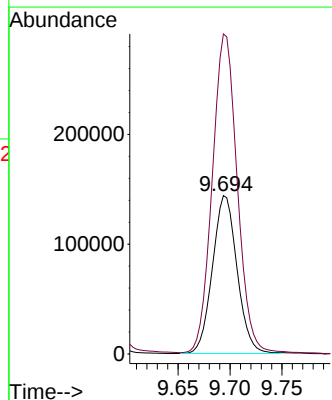
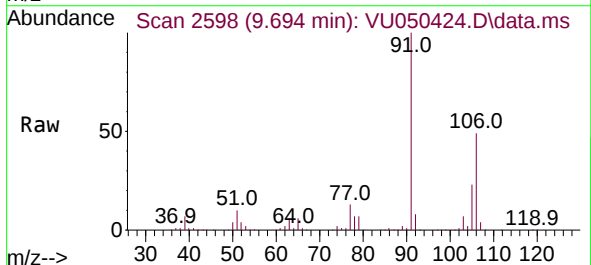
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

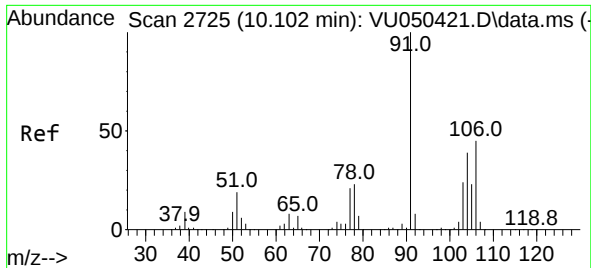
Tgt Ion: 91 Resp: 623053  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.7 40.3



#53  
m,p-Xylene  
Concen: 55.532 ug/L  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 106 Resp: 236994  
Ion Ratio Lower Upper  
106 100  
91 202.1 145.9 270.9

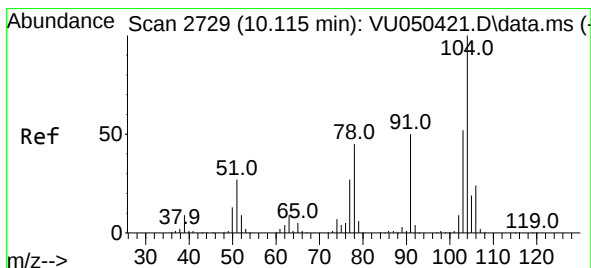
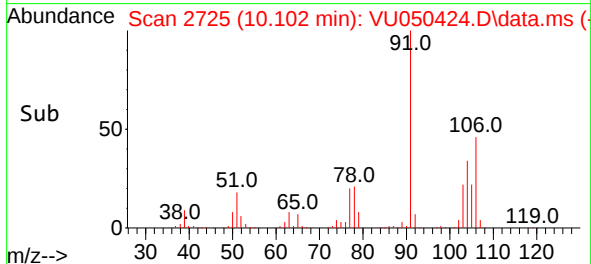
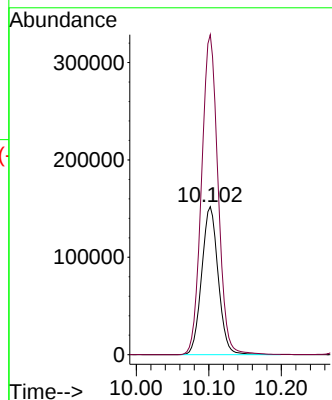
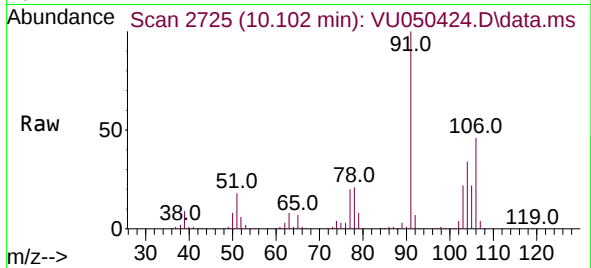




#54  
o-Xylene  
Concen: 56.802 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

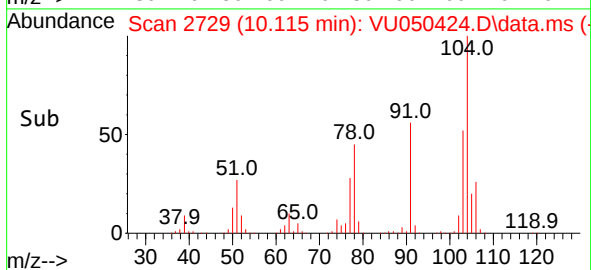
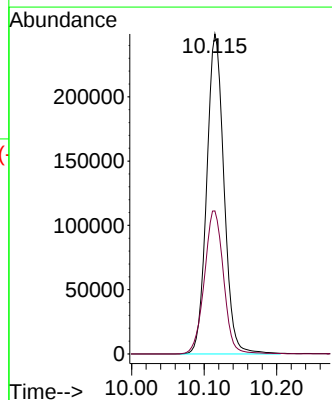
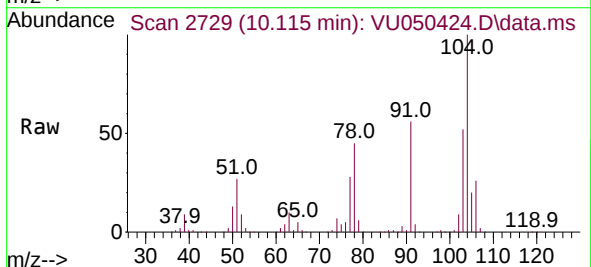
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

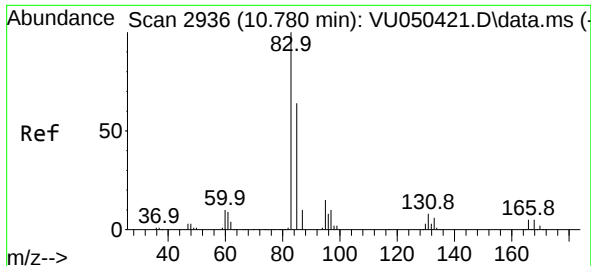
Tgt Ion:106 Resp: 240837  
Ion Ratio Lower Upper  
106 100  
91 216.1 154.8 287.4



#55  
Styrene  
Concen: 57.077 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:104 Resp: 411788  
Ion Ratio Lower Upper  
104 100  
78 44.7 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 49.358 ug/L

RT: 10.784 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

VICV012

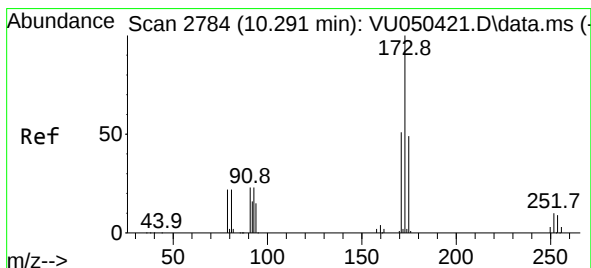
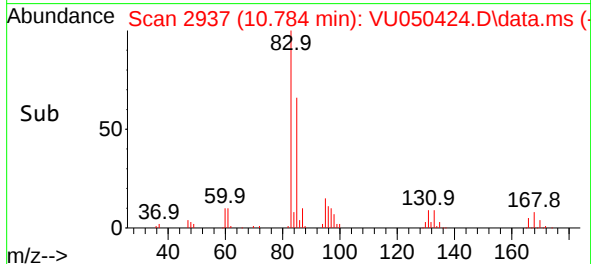
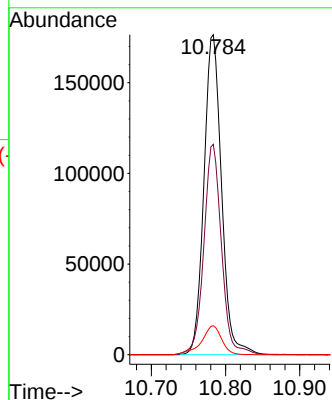
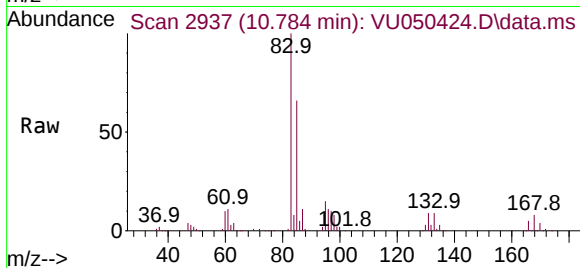
Tgt Ion: 83 Resp: 290110

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2

131 9.0 7.2 10.8



#59

Bromoform

Concen: 48.288 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

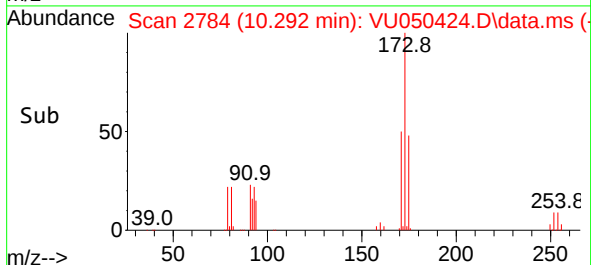
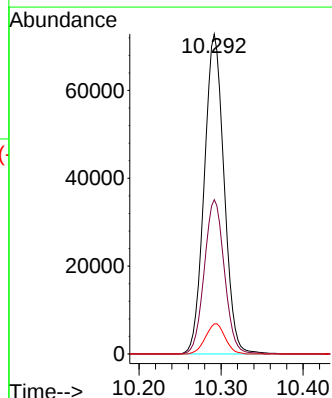
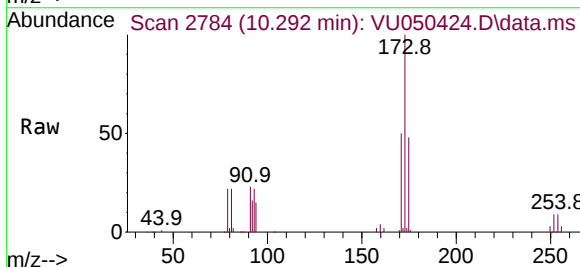
Tgt Ion:173 Resp: 122079

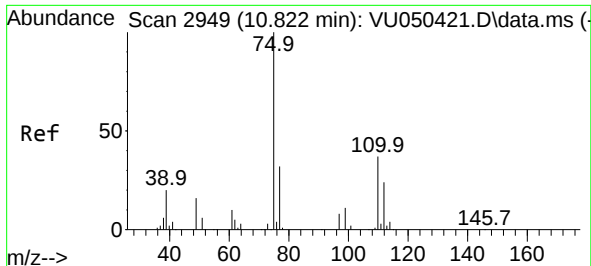
Ion Ratio Lower Upper

173 100

175 48.9 38.4 57.6

254 9.4 7.1 10.7

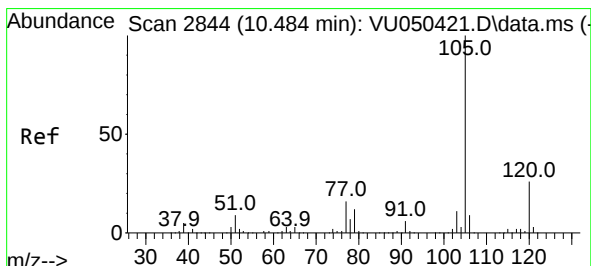
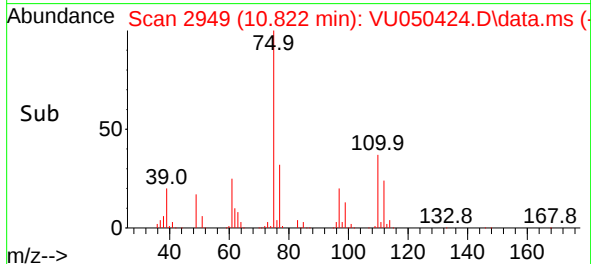
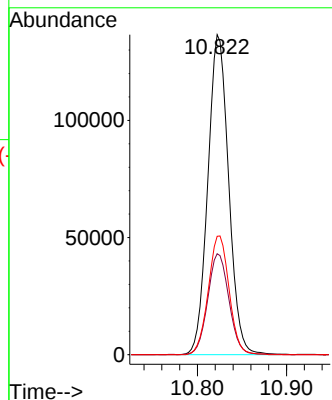
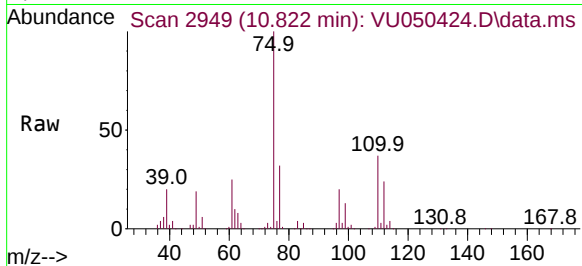




#60  
1,2,3-Trichloropropane  
Concen: 48.730 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

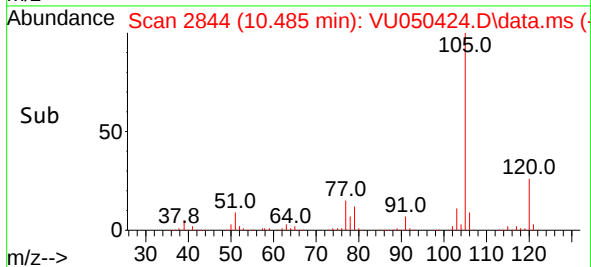
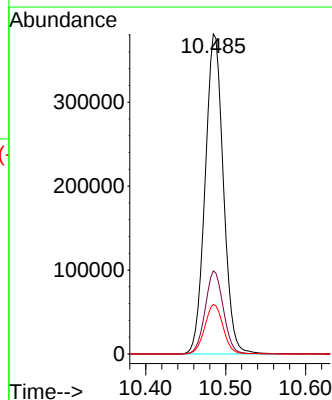
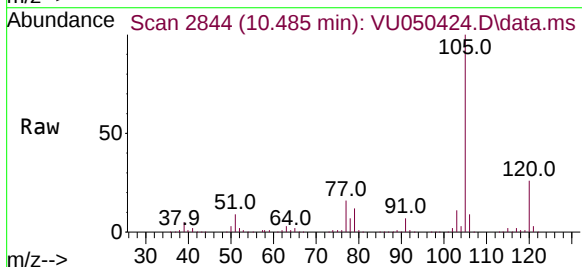
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

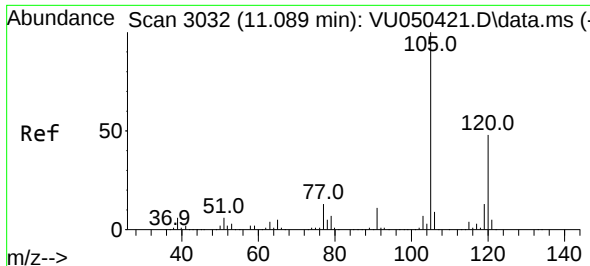
Tgt Ion: 75 Resp: 221696  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.7 38.5  
110 37.2 29.0 43.4



#61  
Isopropylbenzene  
Concen: 55.339 ug/L  
RT: 10.485 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 105 Resp: 604292  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.7 31.1  
77 15.6 12.5 18.7

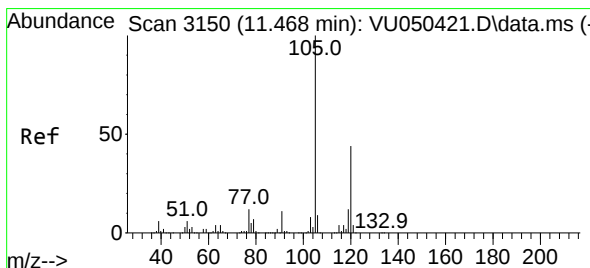
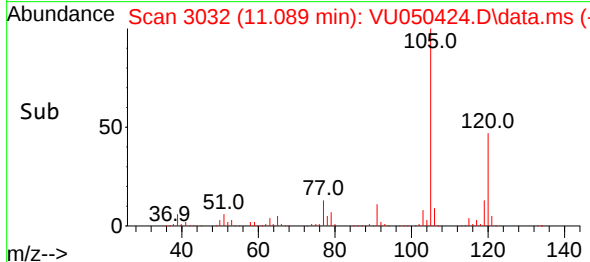
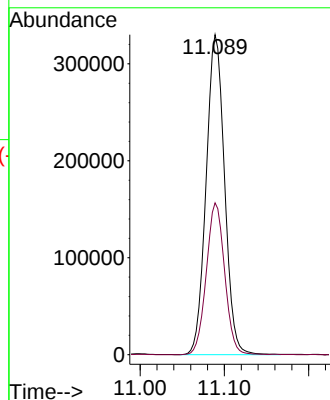
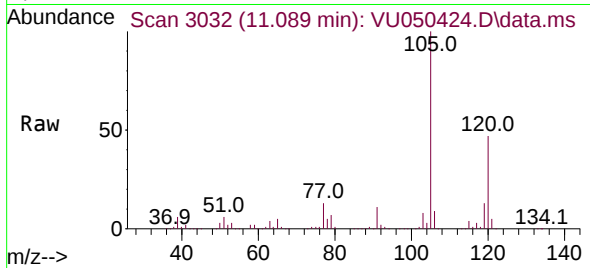




#62  
1,3,5-Trimethylbenzene  
Concen: 57.029 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

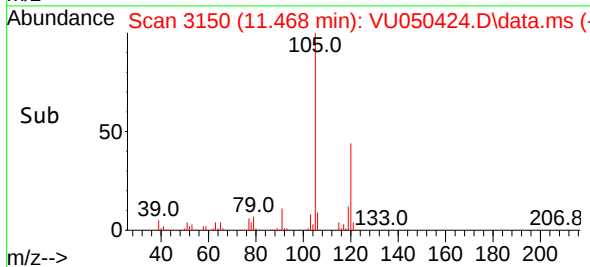
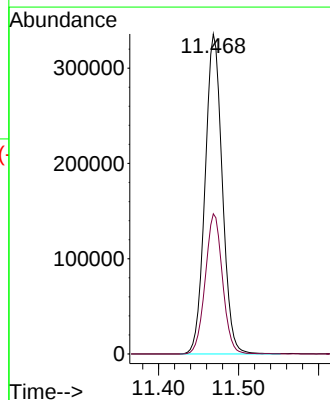
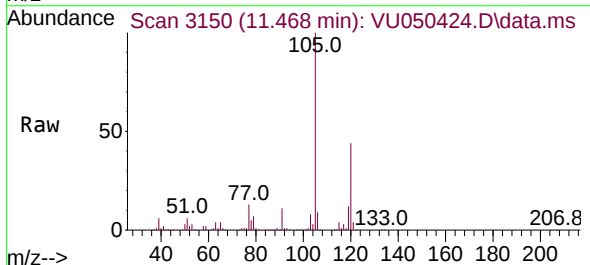
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

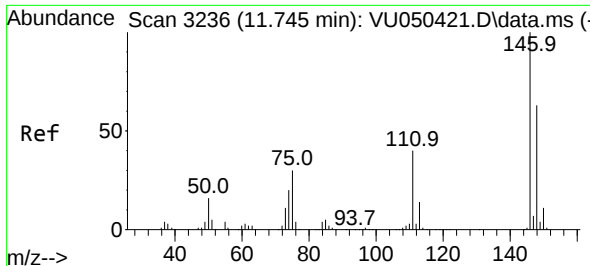
Tgt Ion:105 Resp: 502833  
Ion Ratio Lower Upper  
105 100  
120 47.2 38.1 57.1



#63  
1,2,4-Trimethylbenzene  
Concen: 58.511 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:105 Resp: 503171  
Ion Ratio Lower Upper  
105 100  
120 43.9 35.3 52.9

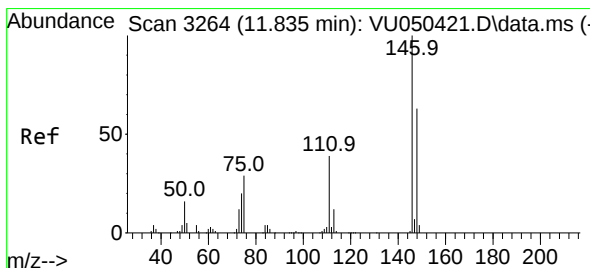
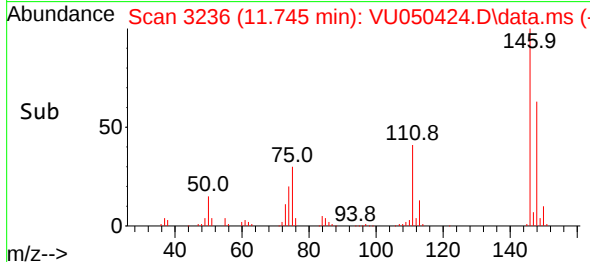
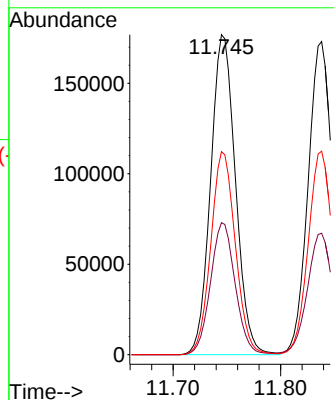
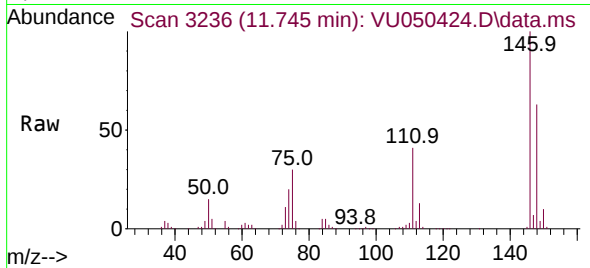




#64  
1,3-Dichlorobenzene  
Concen: 53.174 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

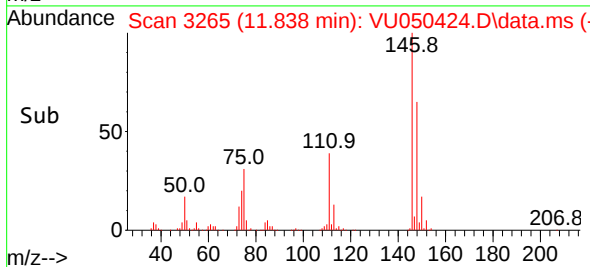
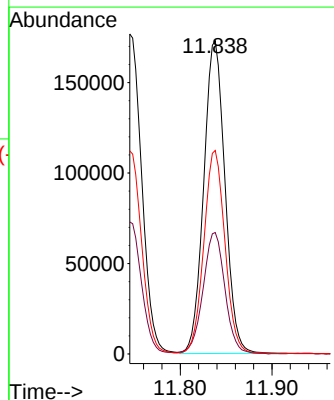
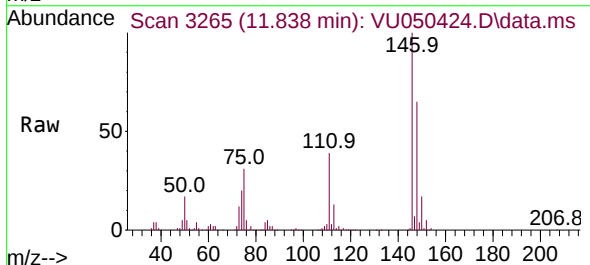
Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

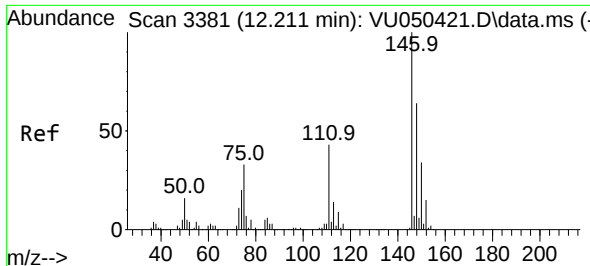
Tgt Ion:146 Resp: 283908  
Ion Ratio Lower Upper  
146 100  
111 41.2 28.1 52.1  
148 63.5 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 51.726 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:146 Resp: 278134  
Ion Ratio Lower Upper  
146 100  
111 38.8 27.6 51.2  
148 65.0 44.4 82.4

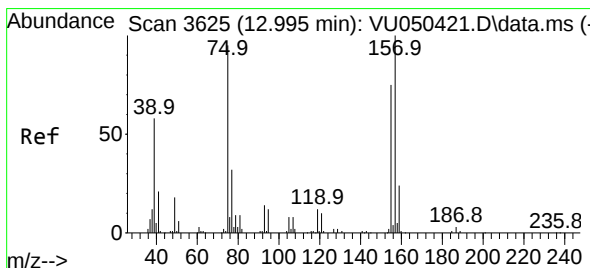
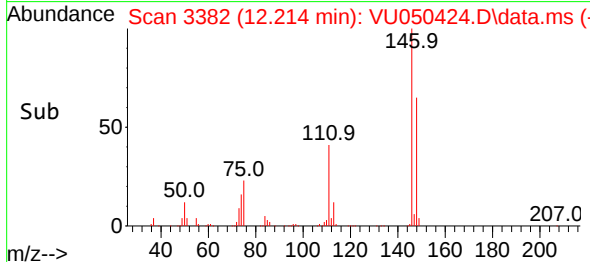
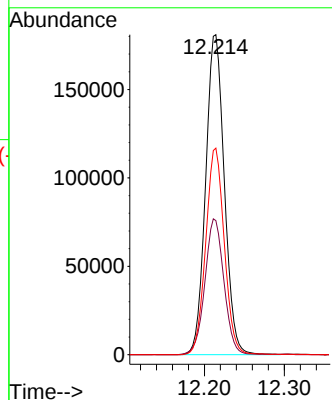
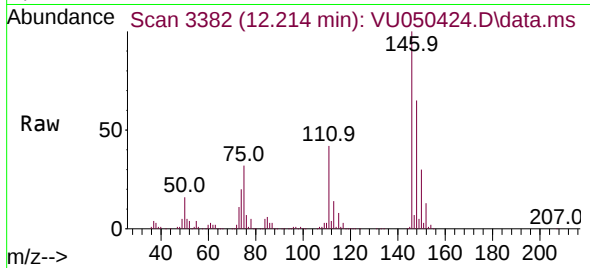




#67  
1,2-Dichlorobenzene  
Concen: 52.460 ug/L  
RT: 12.214 min Scan# 3381  
Delta R.T. 0.003 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

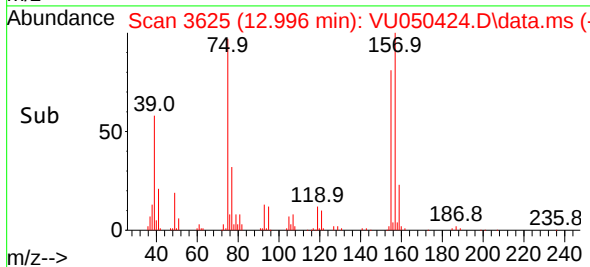
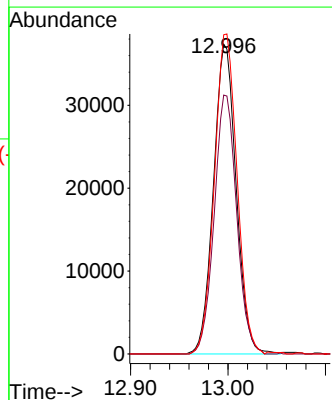
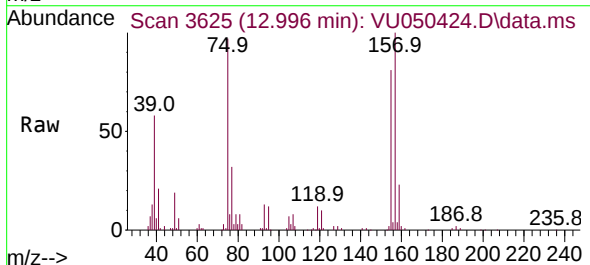
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MSVOA\_U  
ClientSampleId :  
VICV012

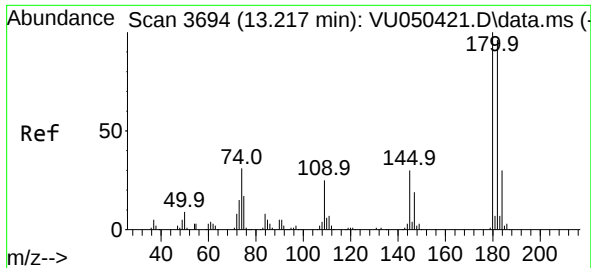
Tgt Ion:146 Resp: 294546  
Ion Ratio Lower Upper  
146 100  
111 41.9 34.1 51.1  
148 64.6 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 50.087 ug/L  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion: 75 Resp: 60561  
Ion Ratio Lower Upper  
75 100  
155 87.8 63.1 94.7  
157 103.1 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 55.057 ug/L

RT: 13.221 min Scan# 30

Delta R.T. 0.003 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

Instrument :

MSVOA\_U

ClientSampleId :

VICV012

Tgt Ion:180 Resp: 202634

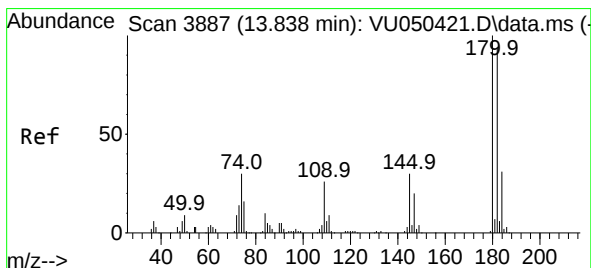
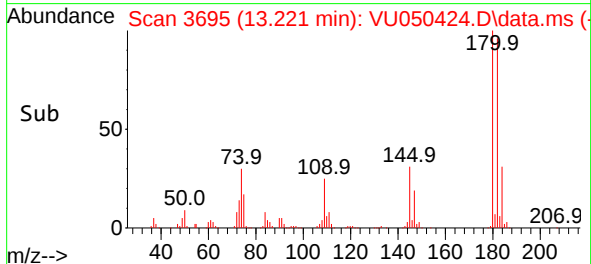
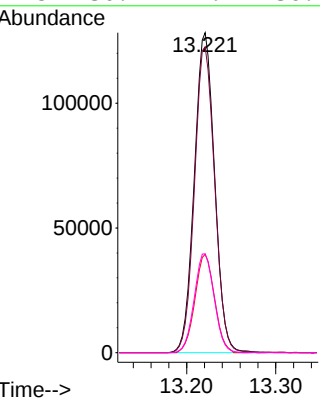
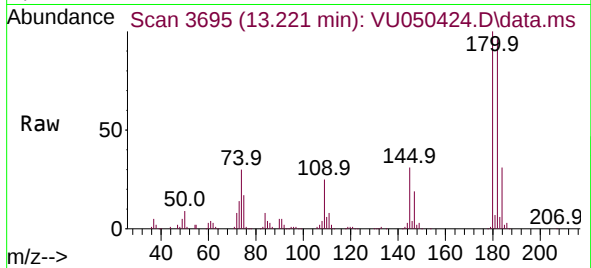
Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

184 29.6 24.1 36.1

145 30.4 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 61.483 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU050424.D

Acq: 24 Aug 2022 13:37

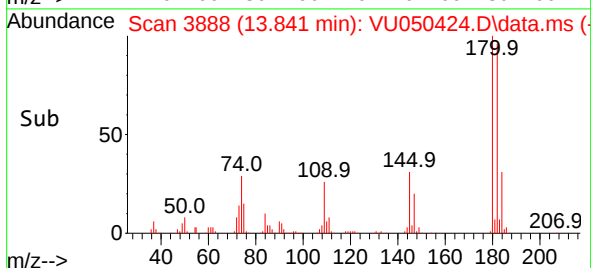
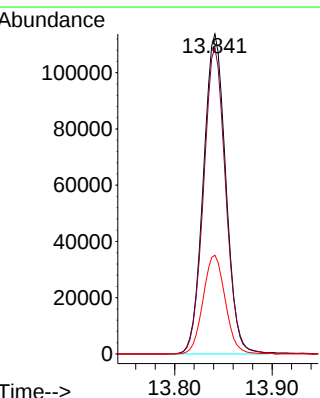
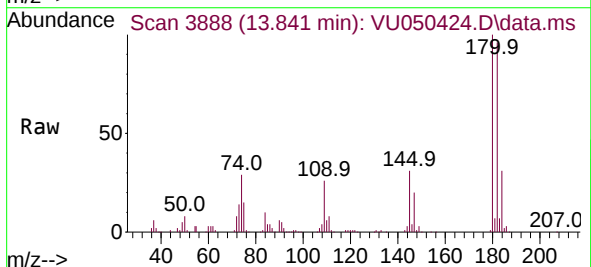
Tgt Ion:180 Resp: 181221

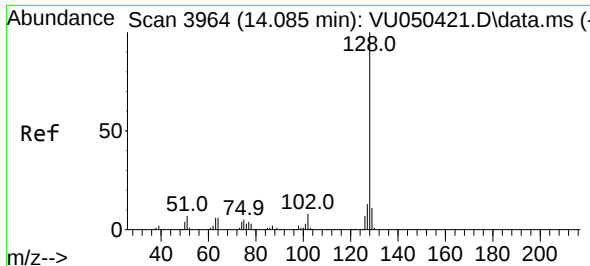
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 30.6 23.9 35.9

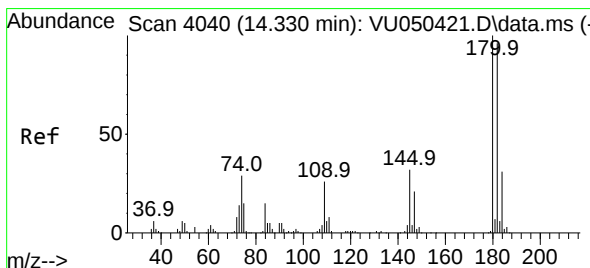
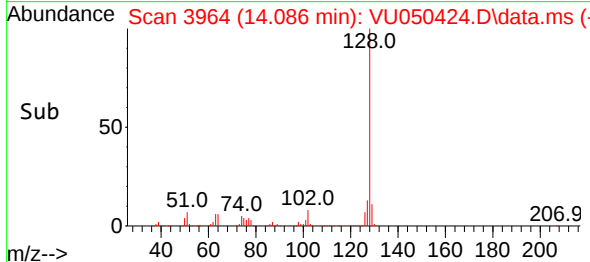
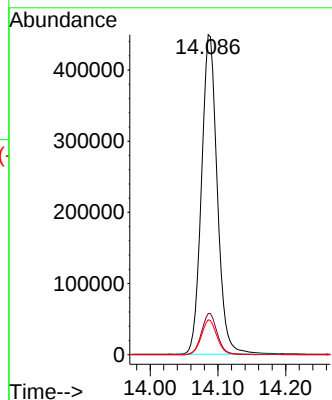
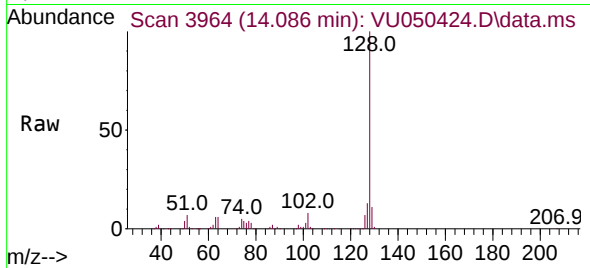




#71  
Naphthalene  
Concen: 74.942 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV012

Tgt Ion:128 Resp: 724595  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.5 15.7  
129 10.8 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 62.898 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU050424.D  
Acq: 24 Aug 2022 13:37

Tgt Ion:180 Resp: 202619  
Ion Ratio Lower Upper  
180 100  
182 95.9 76.8 115.2  
145 32.8 26.5 39.7

