

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U041122\  
 Data File : U047939.D  
 Acq On : 12 Apr 2022 04:23  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 12 05:08:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 12 04:48:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114   | 347205   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117   | 359791   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152   | 208595   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.600     | 65    | 139408   | 55.369   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 110.740% |          |
| 7) Chloroethane-d5            | 1.912     | 69    | 116287   | 58.574   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 117.140% |          |
| 11) 1,1-Dichloroethene-d2     | 2.571     | 63    | 236768   | 51.398   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 102.800% |          |
| 21) 2-Butanone-d5             | 4.620     | 46    | 231179   | 106.973  | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 106.970% |          |
| 24) Chloroform-d              | 5.067     | 84    | 257928   | 55.987   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 111.980% |          |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65    | 160398   | 56.768   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 113.540% |          |
| 32) Benzene-d6                | 5.729     | 84    | 517086   | 57.115   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 114.240% |          |
| 36) 1,2-Dichloropropane-d6    | 6.693     | 67    | 163650   | 58.859   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 117.720% |          |
| 41) Toluene-d8                | 7.899     | 98    | 489262   | 55.468   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 110.940% |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79    | 69466    | 49.316   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 98.640%  |          |
| 47) 2-Hexanone-d5             | 8.632     | 63    | 167603   | 102.974  | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 102.970% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84    | 256908   | 53.841   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 107.680% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152   | 203921   | 54.949   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 109.900% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.385     | 85    | 157443   | 48.912   | ug/L       | 99       |
| 3) Chloromethane              | 1.523     | 50    | 161953   | 52.610   | ug/L       | 99       |
| 5) Vinyl chloride             | 1.607     | 62    | 164648   | 52.443   | ug/L       | 100      |
| 6) Bromomethane               | 1.854     | 94    | 98305    | 58.175   | ug/L       | 99       |
| 8) Chloroethane               | 1.935     | 64    | 103374   | 52.450   | ug/L       | 99       |
| 9) Trichlorofluoromethane     | 2.141     | 101   | 213164   | 48.148   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584     | 101   | 126648   | 49.489   | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.581     | 96    | 119853   | 50.323   | ug/L       | 96       |
| 13) Acetone                   | 2.623     | 43    | 147195   | 73.191   | ug/L       | 97       |
| 14) Carbon disulfide          | 2.797     | 76    | 326234   | 43.334   | ug/L       | 100      |
| 15) Methyl Acetate            | 2.948     | 43    | 158953   | 49.566   | ug/L       | 97       |
| 16) Methylene chloride        | 3.047     | 84    | 144716   | 52.951   | ug/L       | 98       |
| 17) trans-1,2-Dichloroethene  | 3.356     | 96    | 129924   | 50.576   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 3.366     | 73    | 393953   | 54.358   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.874     | 63    | 241801   | 54.577   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668     | 96    | 150175   | 53.324   | ug/L       | 97       |
| 22) 2-Butanone                | 4.700     | 43    | 232421   | 89.716   | ug/L       | 96       |
| 23) Bromochloromethane        | 4.977     | 128   | 82613    | 53.427   | ug/L       | 97       |
| 25) Chloroform                | 5.092     | 83    | 256016   | 53.673   | ug/L       | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041122\  
 Data File : VU047939.D  
 Acq On : 12 Apr 2022 04:23  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

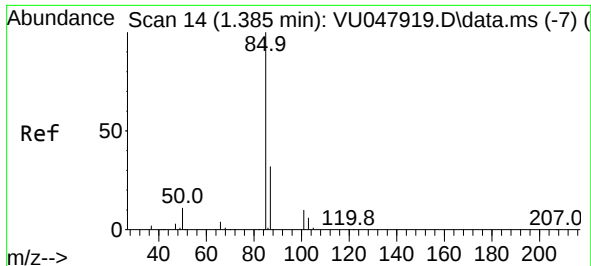
Quant Time: Apr 12 05:08:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 12 04:48:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 193572   | 52.527  | ug/L  | 97       |
| 29) Cyclohexane               | 5.391  | 56   | 192924   | 52.843  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 210839   | 51.681  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 175544   | 47.651  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 565527   | 54.303  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 141604   | 51.864  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.764  | 83   | 203815   | 49.069  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 149190   | 56.352  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 185406   | 50.998  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 196786   | 47.905  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 427147   | 102.084 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 614452   | 53.772  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 196246   | 47.847  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 152815   | 54.425  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 120989   | 49.312  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 345613   | 96.023  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 157170   | 48.329  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 163629   | 51.982  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 454672   | 58.601  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 630055   | 52.439  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 252627   | 53.586  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 248074   | 53.614  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 422810   | 53.521  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 265686   | 50.473  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 126514   | 47.431  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 207793   | 52.842  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 619915   | 54.989  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 326426   | 53.366  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 511694   | 55.073  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 322974   | 51.543  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 328021   | 50.540  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 331444   | 52.864  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 59187    | 46.988  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 249328   | 48.994  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 223193   | 50.072  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 695370   | 52.325  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 230700   | 51.628  | ug/L  | 100      |

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

Quant Time: Apr 12 05:08:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 12 04:48:51 2022  
Response via : Initial Calibration

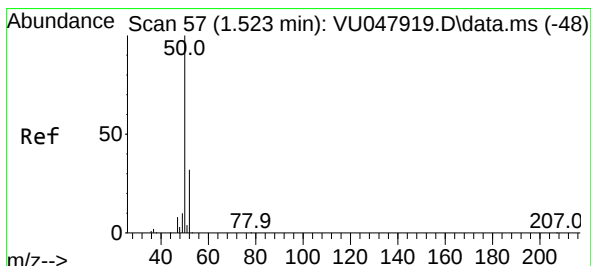
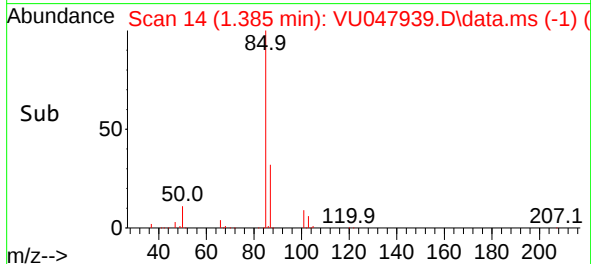
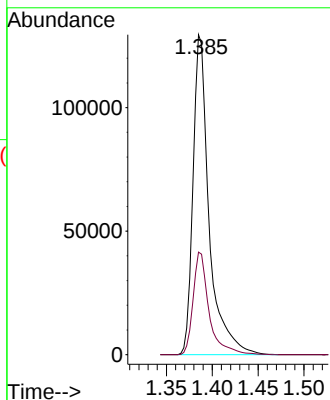
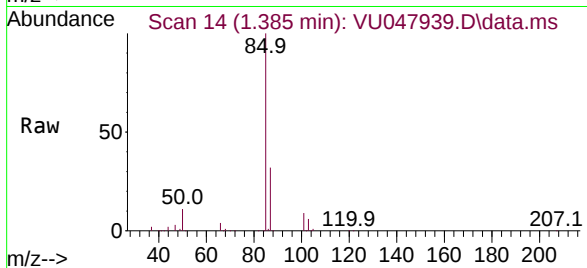




#2  
Dichlorodifluoromethane  
Concen: 48.912 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

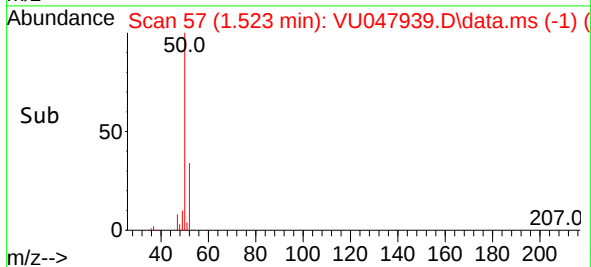
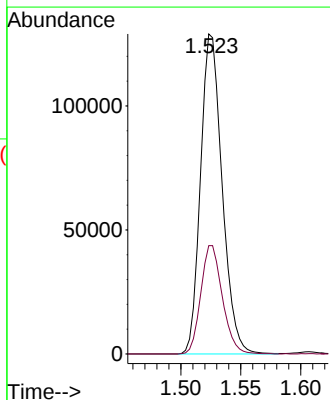
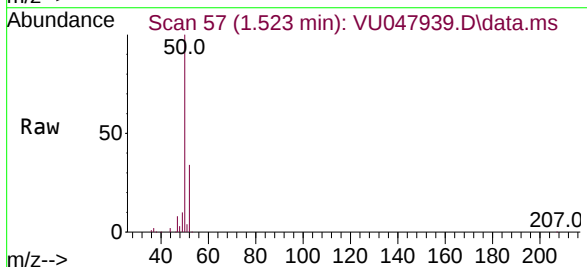
Instrument :  
MSVOA\_U  
ClientSampleId :

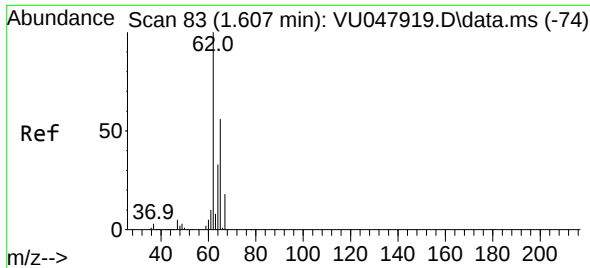
Tgt Ion: 85 Resp: 157443  
Ion Ratio Lower Upper  
85 100  
87 31.9 25.8 38.8



#3  
Chloromethane  
Concen: 52.610 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

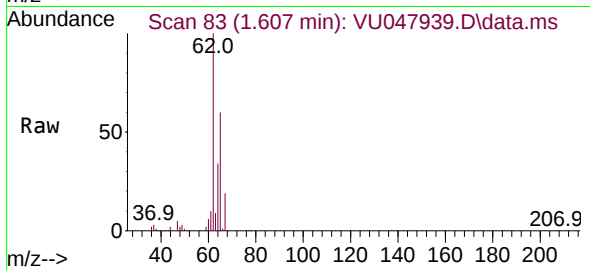
Tgt Ion: 50 Resp: 161953  
Ion Ratio Lower Upper  
50 100  
52 33.9 23.2 43.2



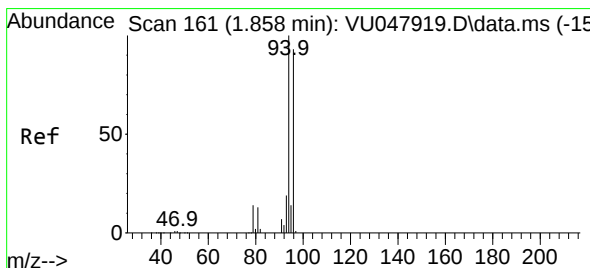
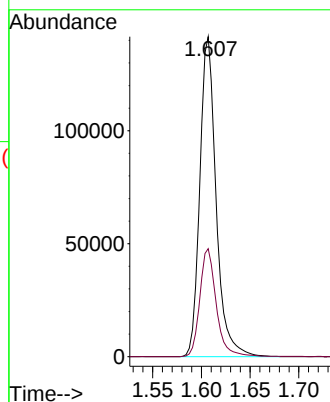
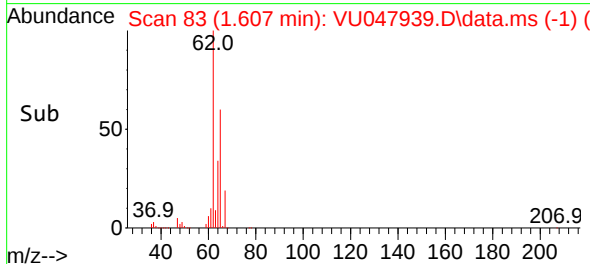


#5  
 Vinyl chloride  
 Concen: 52.443 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU047939.D  
 Acq: 12 Apr 2022 04:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :

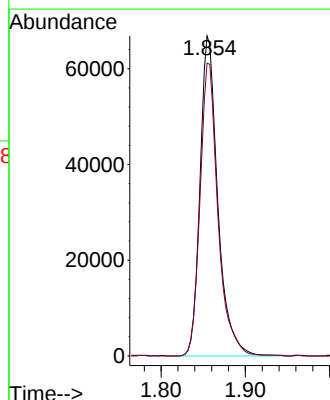
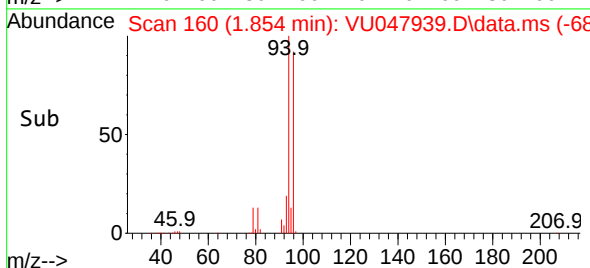
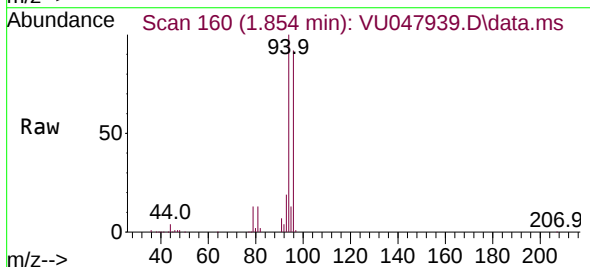


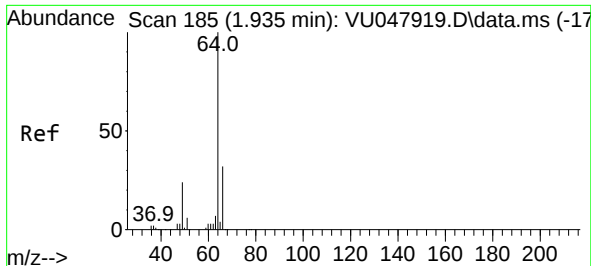
Tgt Ion: 62 Resp: 164648  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 23.7 43.9



#6  
 Bromomethane  
 Concen: 58.175 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. -0.003 min  
 Lab File: VU047939.D  
 Acq: 12 Apr 2022 04:23

Tgt Ion: 94 Resp: 98305  
 Ion Ratio Lower Upper  
 94 100  
 96 91.5 64.8 120.3

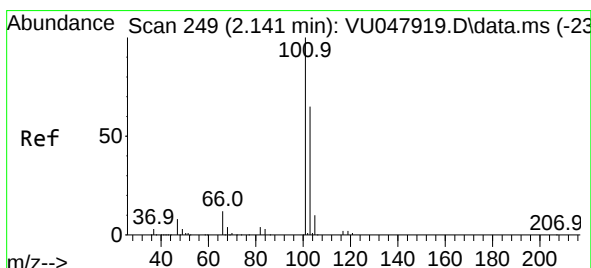
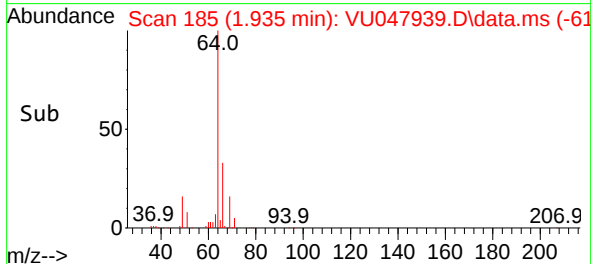
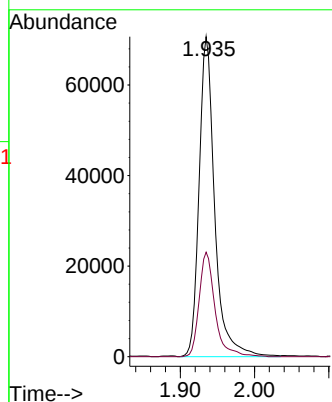
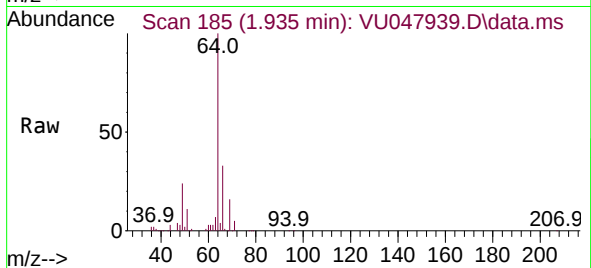




#8  
Chloroethane  
Concen: 52.450 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

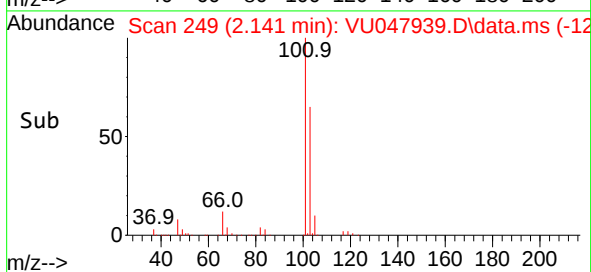
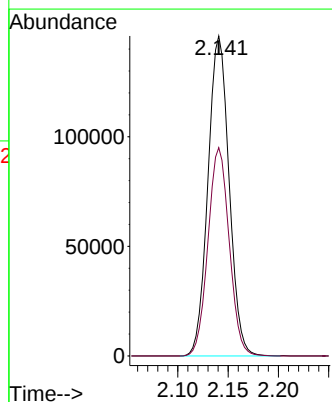
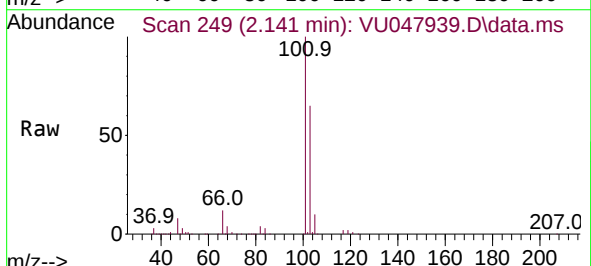
Instrument :  
MSVOA\_U  
ClientSampleId :

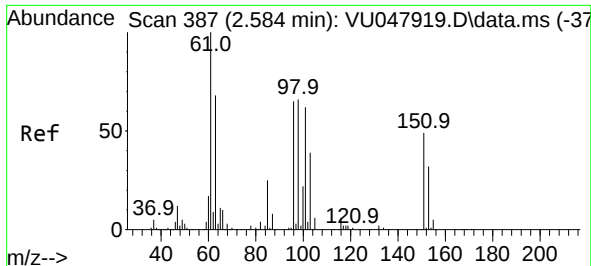
Tgt Ion: 64 Resp: 103374  
Ion Ratio Lower Upper  
64 100  
66 32.6 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 48.148 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion:101 Resp: 213164  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.4 77.2





#10

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

Concen: 49.489 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

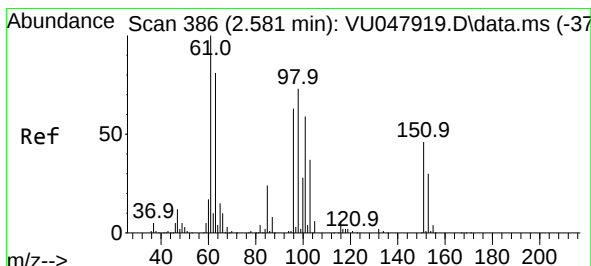
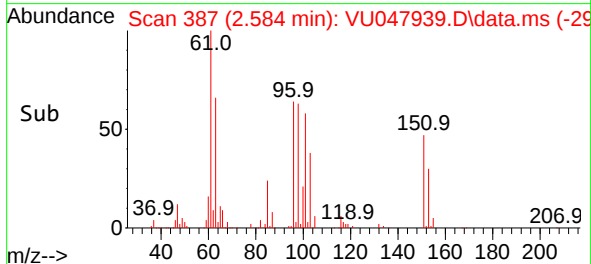
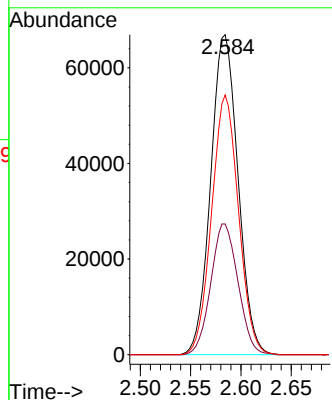
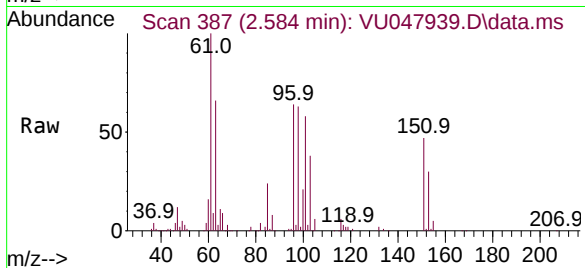
Tgt Ion:101 Resp: 126648

Ion Ratio Lower Upper

101 100

85 40.6 32.8 49.2

151 79.8 63.0 94.6



#12

1,1-Dichloroethene

Concen: 50.323 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

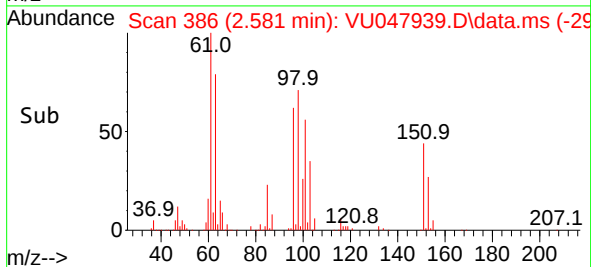
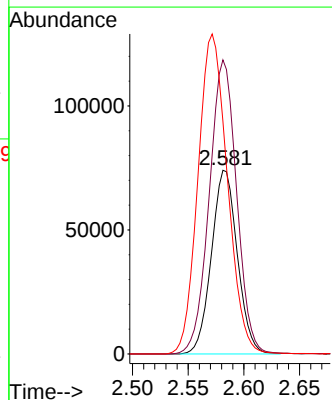
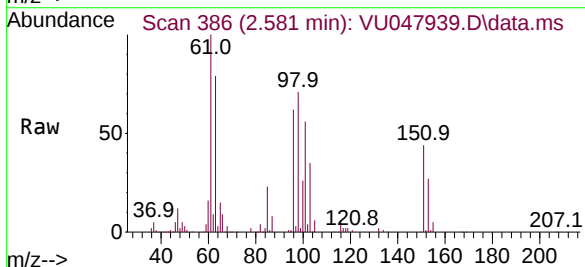
Tgt Ion: 96 Resp: 119853

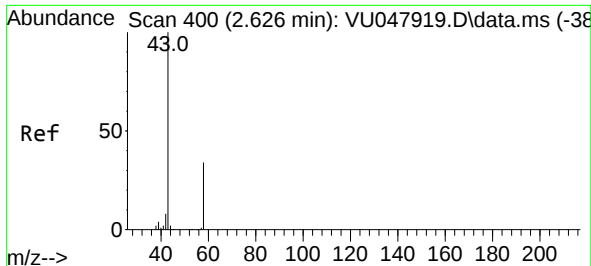
Ion Ratio Lower Upper

96 100

61 160.1 113.1 210.1

63 126.7 94.8 176.0





#13

Acetone

Concen: 73.191 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

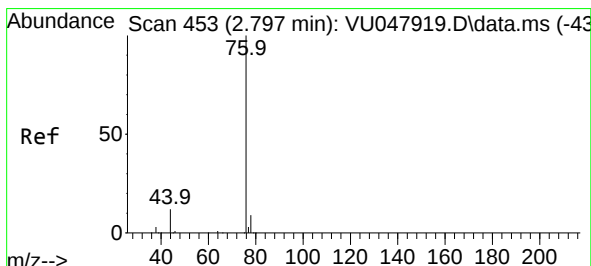
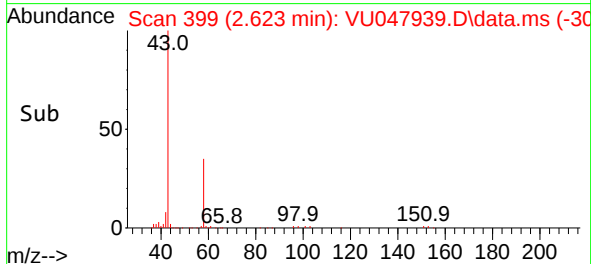
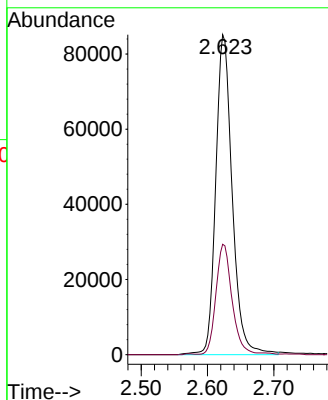
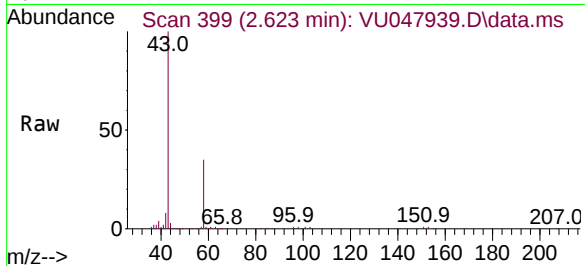
ClientSampleId :

Tgt Ion: 43 Resp: 147195

Ion Ratio Lower Upper

43 100

58 33.2 0.0 70.0



#14

Carbon disulfide

Concen: 43.334 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU047939.D

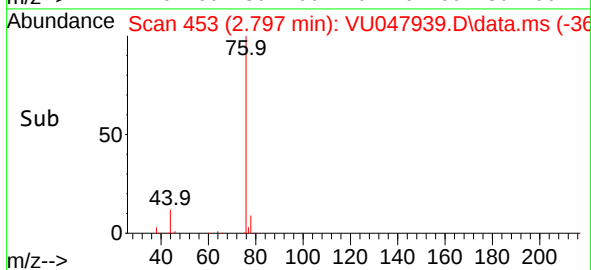
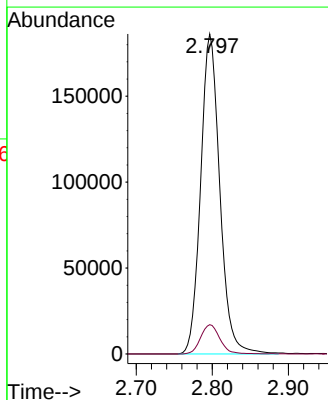
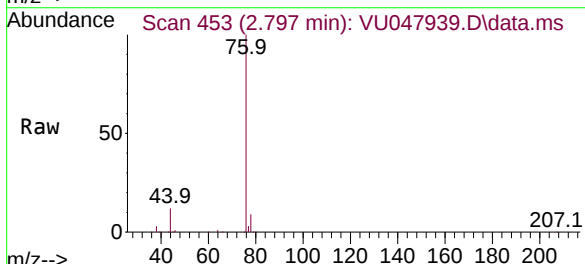
Acq: 12 Apr 2022 04:23

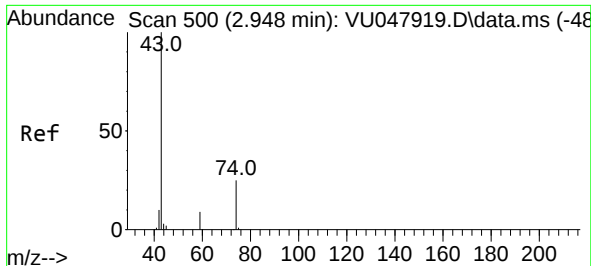
Tgt Ion: 76 Resp: 326234

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

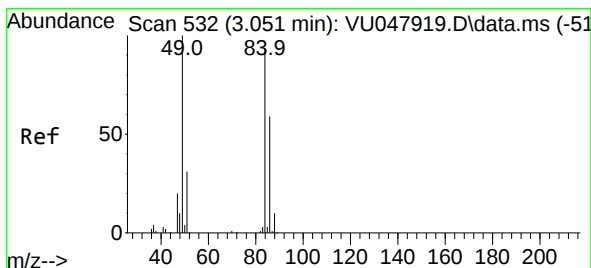
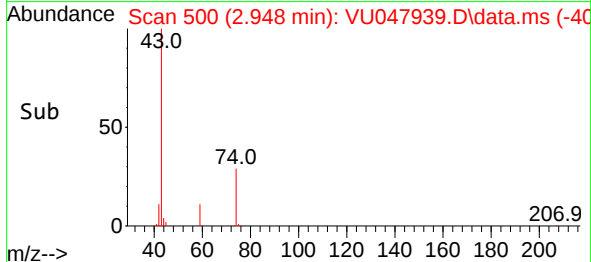
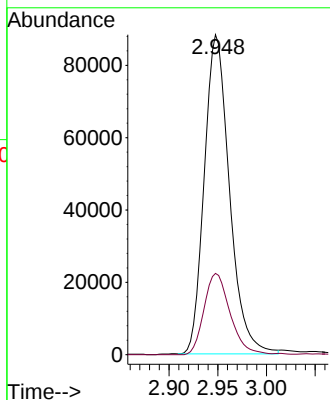
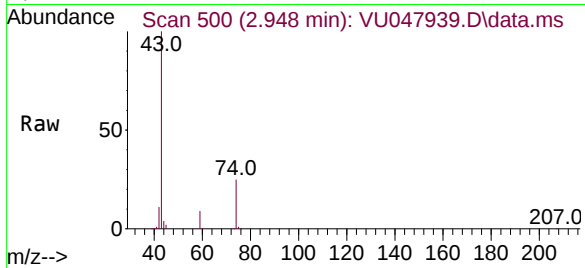




#15  
Methyl Acetate  
Concen: 49.566 ug/L  
RT: 2.948 min Scan# 500  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

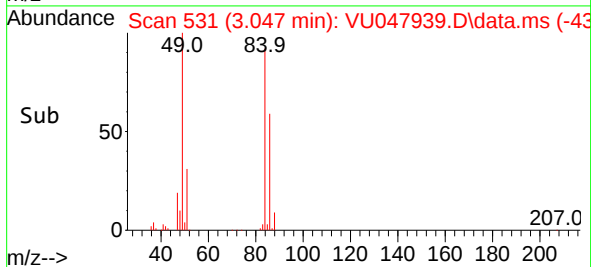
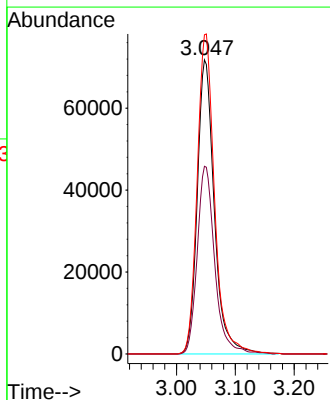
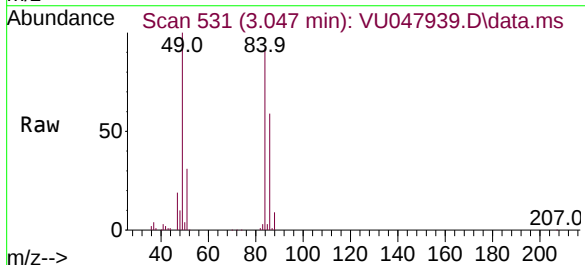
Instrument :  
MSVOA\_U  
ClientSampleId :

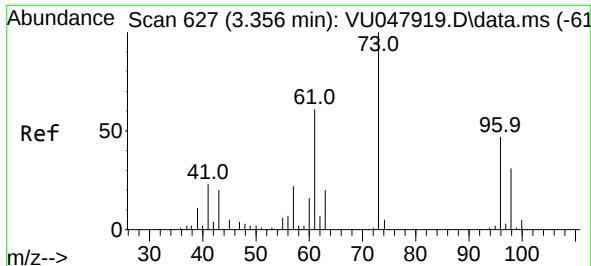
Tgt Ion: 43 Resp: 158953  
Ion Ratio Lower Upper  
43 100  
74 26.3 22.2 33.2



#16  
Methylene chloride  
Concen: 52.951 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. -0.003 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion: 84 Resp: 144716  
Ion Ratio Lower Upper  
84 100  
86 63.8 46.0 85.4  
49 108.6 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 50.576 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

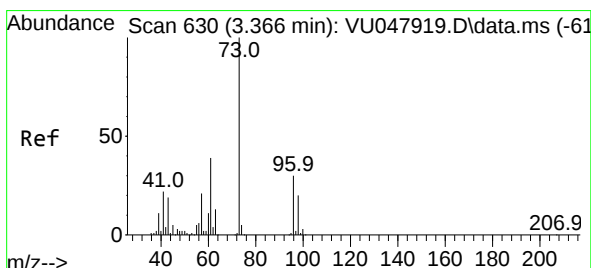
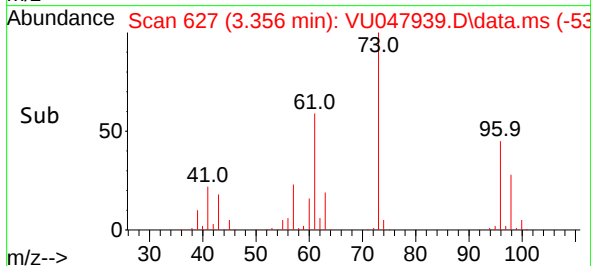
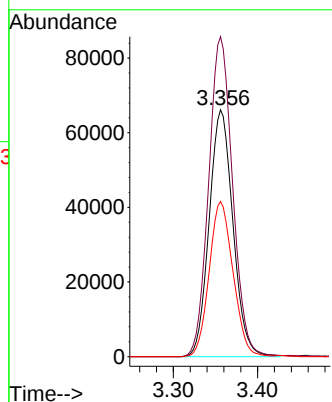
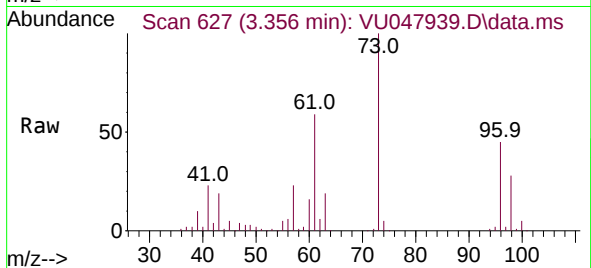
Tgt Ion: 96 Resp: 129924

Ion Ratio Lower Upper

96 100

61 129.6 88.4 164.2

98 62.8 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 54.358 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

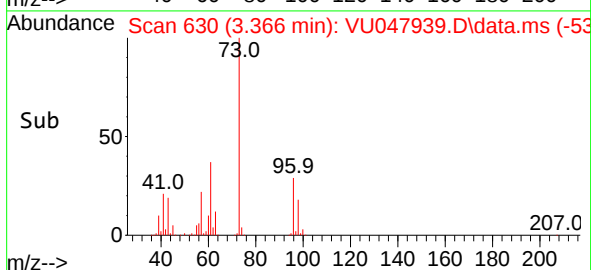
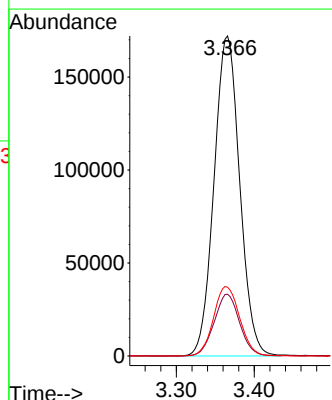
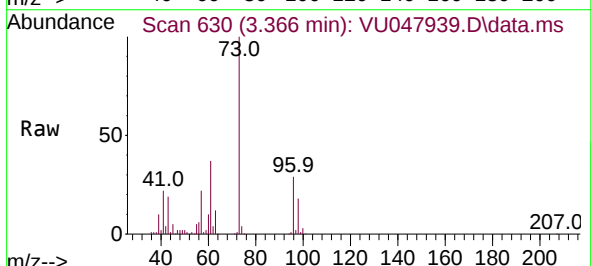
Tgt Ion: 73 Resp: 393953

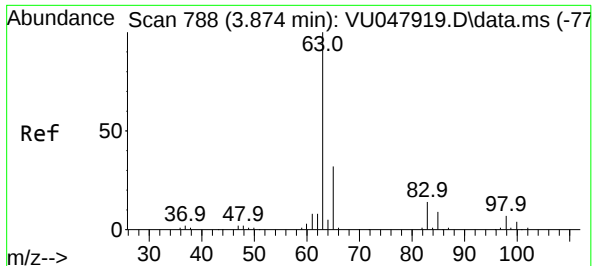
Ion Ratio Lower Upper

73 100

43 19.2 15.3 22.9

57 22.1 17.0 25.6





#19

1,1-Dichloroethane

Concen: 54.577 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

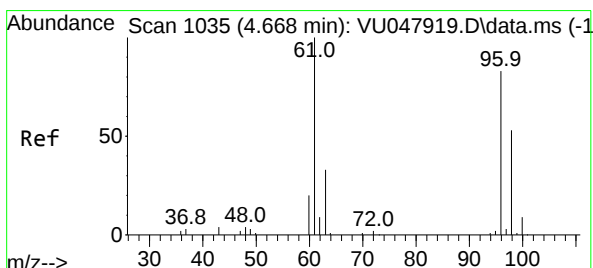
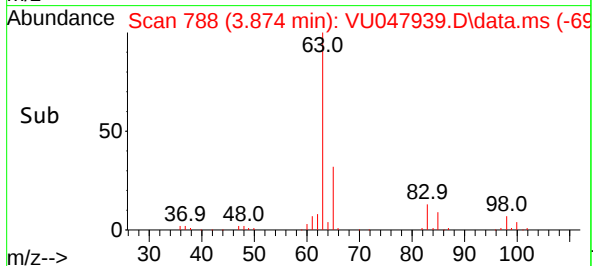
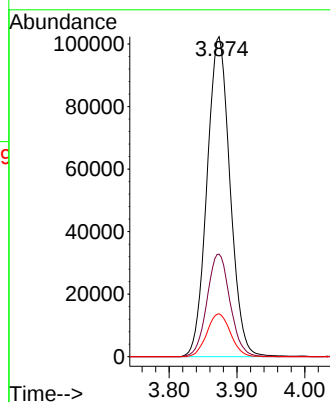
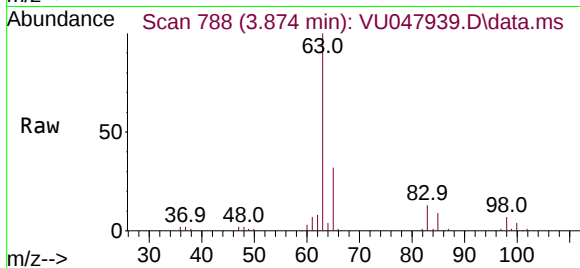
Tgt Ion: 63 Resp: 241801

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 13.4 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 53.324 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

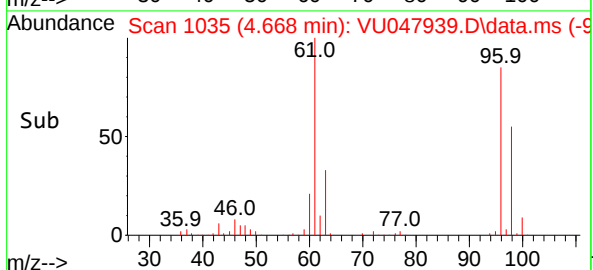
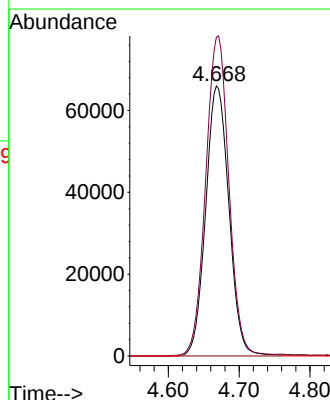
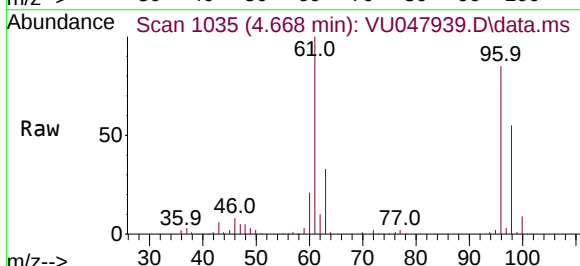
Tgt Ion: 96 Resp: 150175

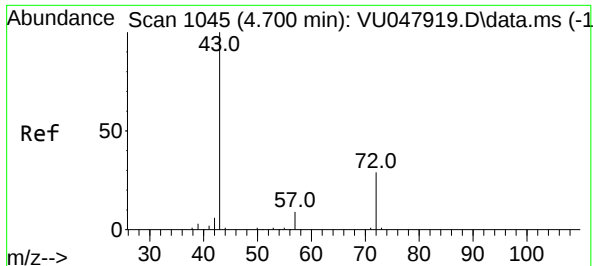
Ion Ratio Lower Upper

96 100

61 118.1 80.7 149.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.716 ug/L

RT: 4.700 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

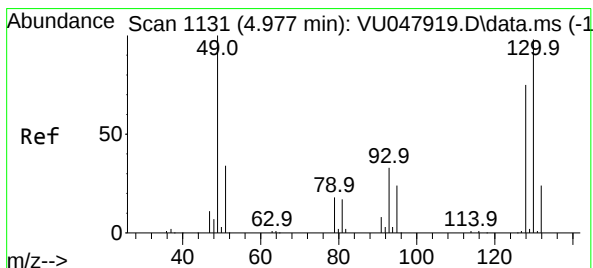
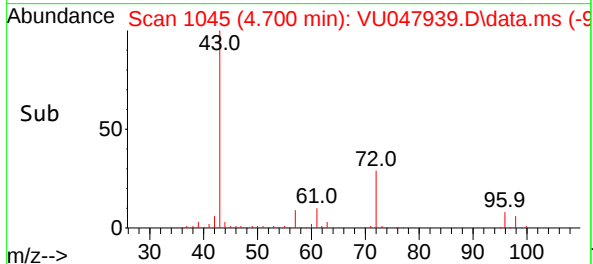
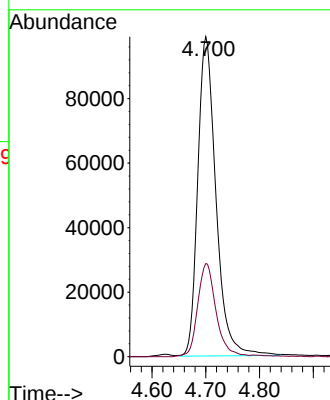
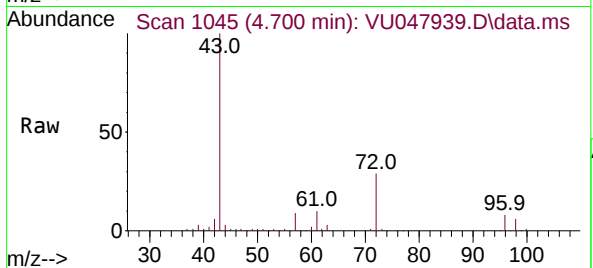
ClientSampleId :

Tgt Ion: 43 Resp: 232421

Ion Ratio Lower Upper

43 100

72 29.4 16.0 47.9



#23

Bromochloromethane

Concen: 53.427 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Tgt Ion:128 Resp: 82613

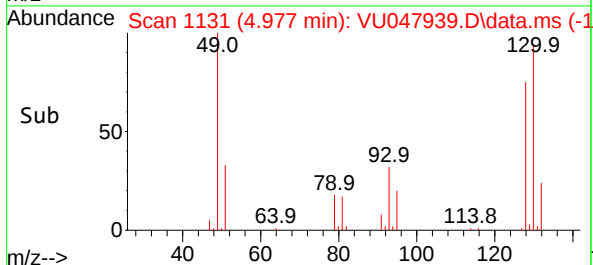
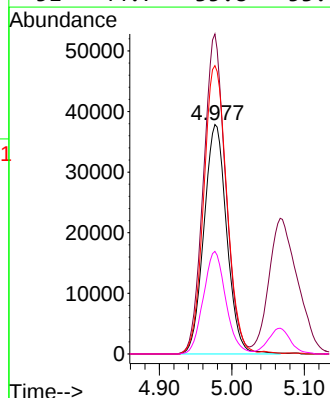
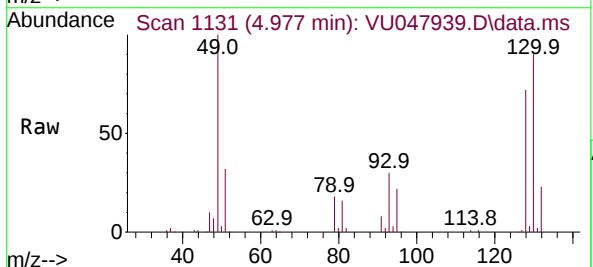
Ion Ratio Lower Upper

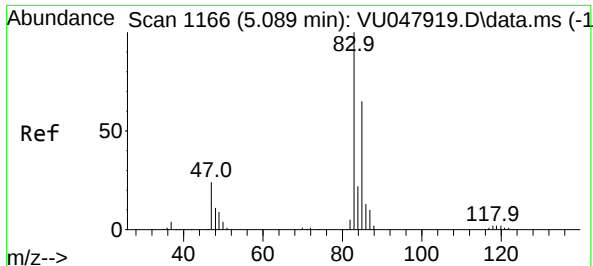
128 100

49 139.4 94.1 174.8

130 125.7 90.2 167.4

51 44.7 35.8 53.6





#25

Chloroform

Concen: 53.673 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

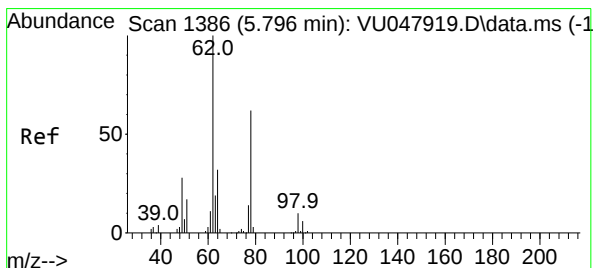
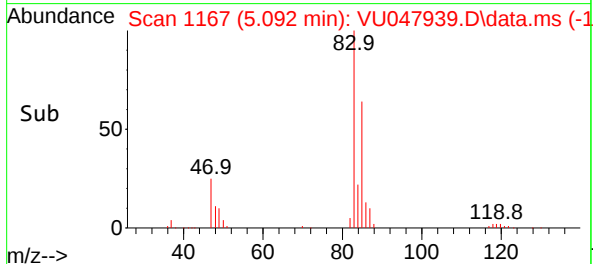
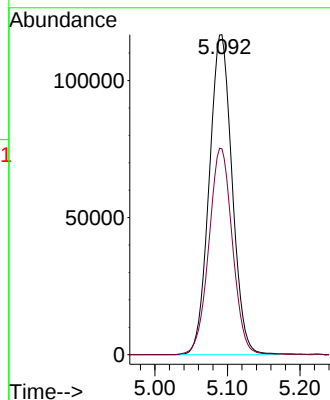
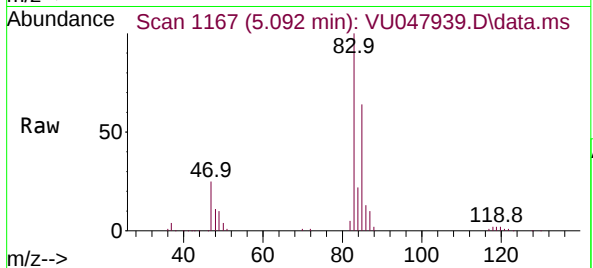
ClientSampleId :

Tgt Ion: 83 Resp: 256016

Ion Ratio Lower Upper

83 100

85 64.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 52.527 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047939.D

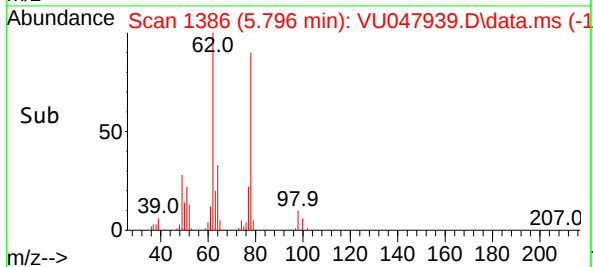
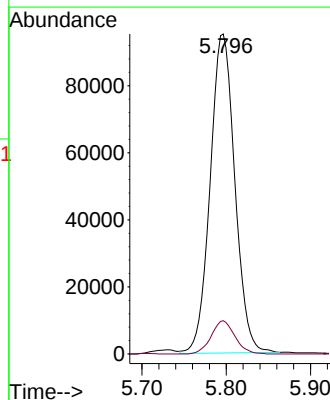
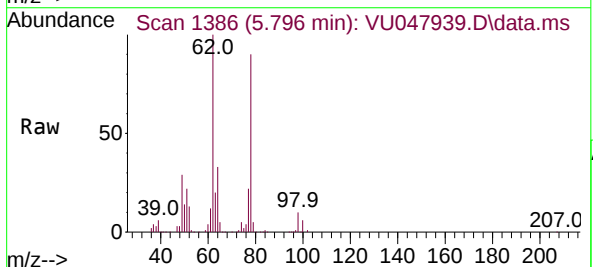
Acq: 12 Apr 2022 04:23

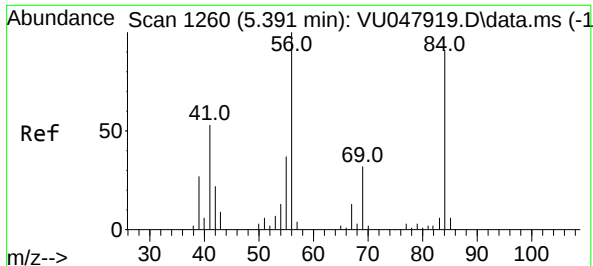
Tgt Ion: 62 Resp: 193572

Ion Ratio Lower Upper

62 100

98 10.4 7.4 11.0





#29

Cyclohexane

Concen: 52.843 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

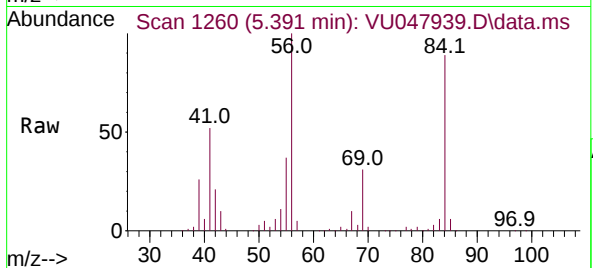
Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :



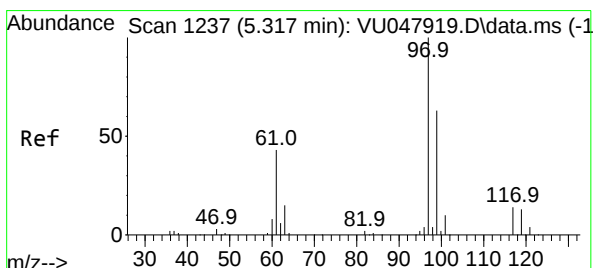
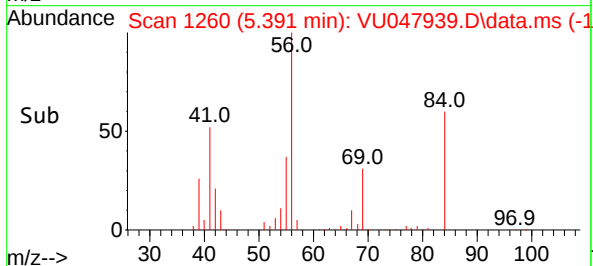
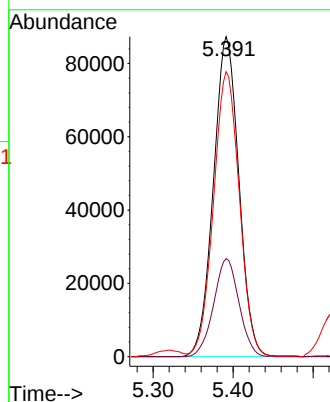
Tgt Ion: 56 Resp: 192924

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.2

84 89.8 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 51.681 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

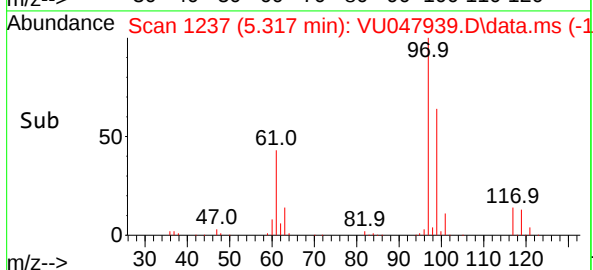
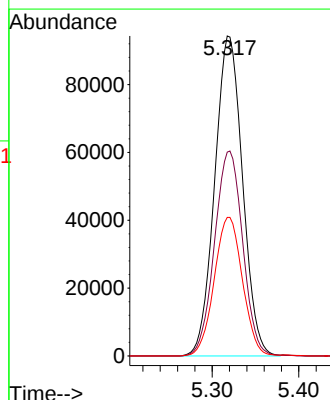
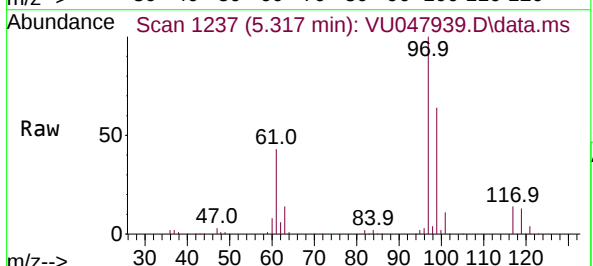
Tgt Ion: 97 Resp: 210839

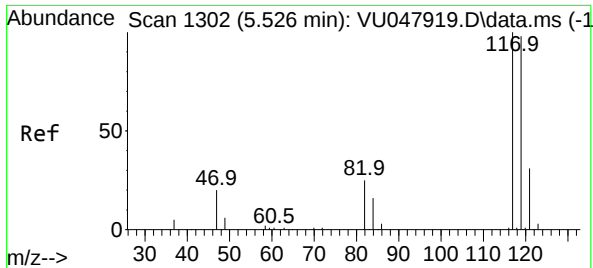
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 43.8 34.2 51.4

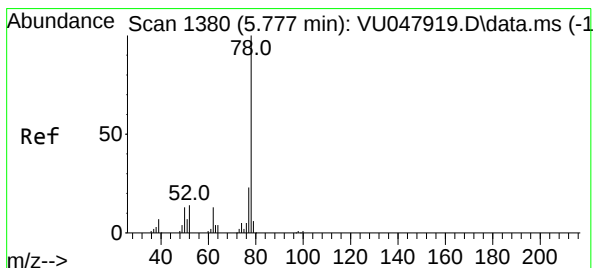
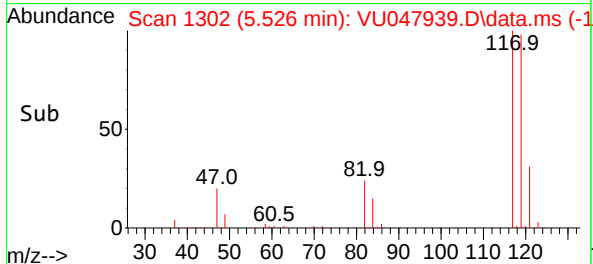
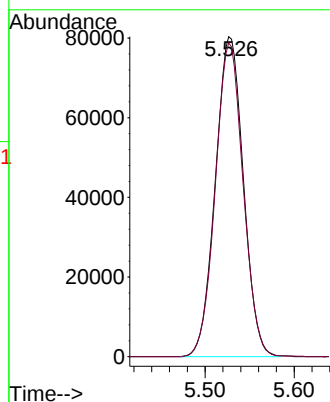
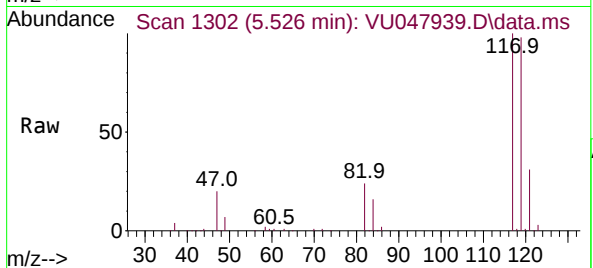




#31  
Carbon tetrachloride  
Concen: 47.651 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

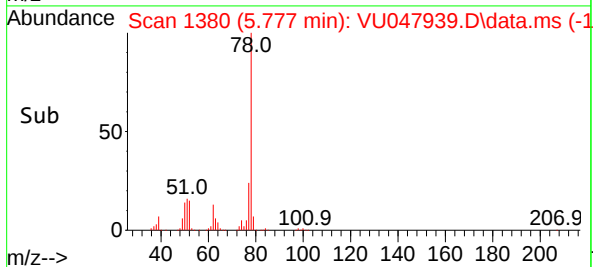
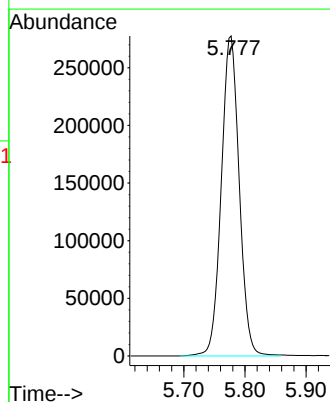
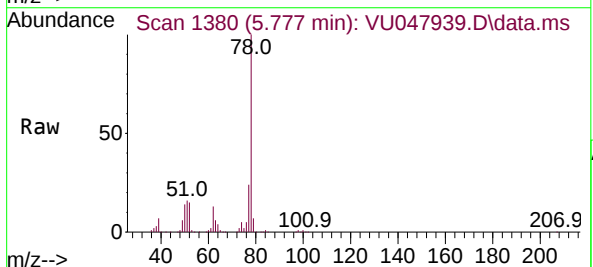
Instrument :  
MSVOA\_U  
ClientSampleId :

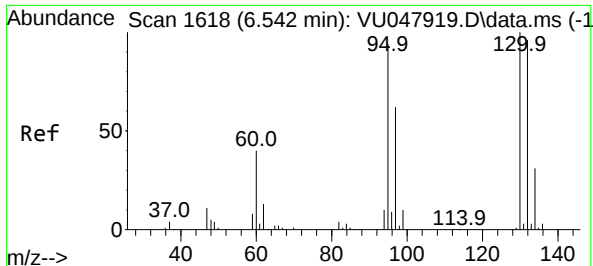
Tgt Ion:117 Resp: 175544  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.2 115.8



#33  
Benzene  
Concen: 54.303 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

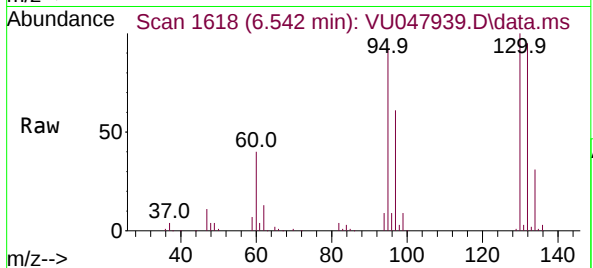
Tgt Ion: 78 Resp: 565527



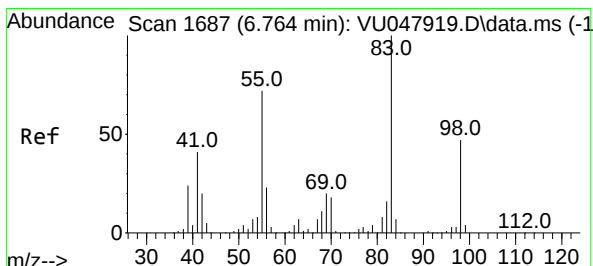
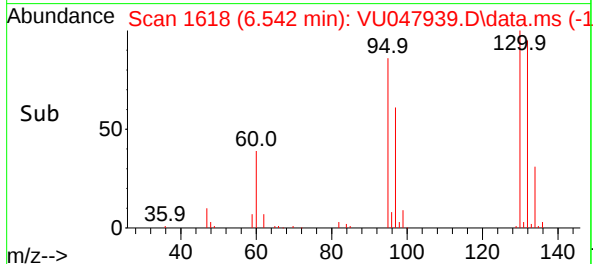
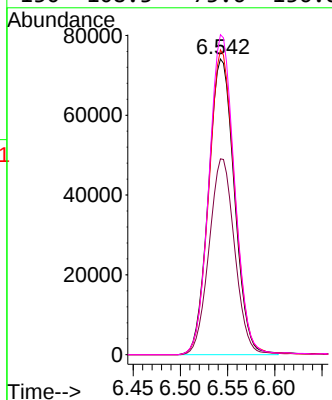


#34  
Trichloroethene  
Concen: 51.864 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Instrument :  
MSVOA\_U  
ClientSampleId :

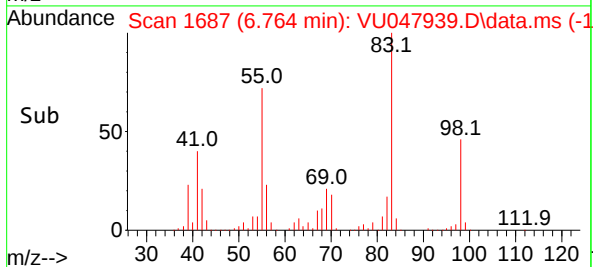
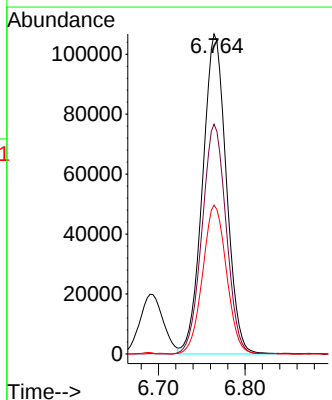
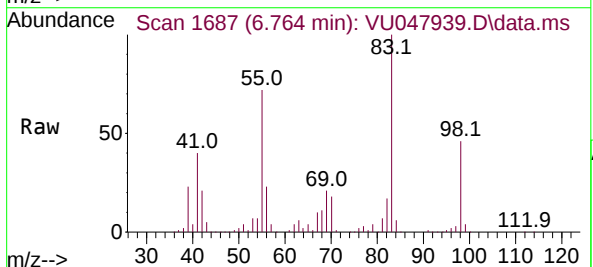


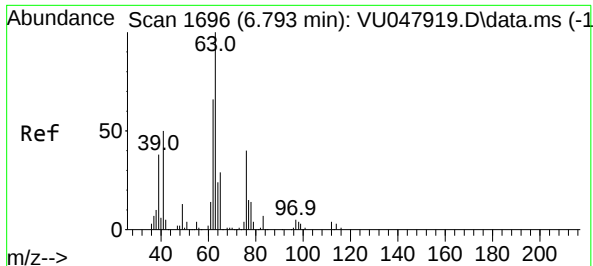
Tgt Ion: 95 Resp: 141604  
Ion Ratio Lower Upper  
95 100  
97 66.3 44.7 82.9  
132 103.1 70.4 130.8  
130 108.3 73.6 136.8



#35  
Methylcyclohexane  
Concen: 49.069 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion: 83 Resp: 203815  
Ion Ratio Lower Upper  
83 100  
55 72.7 56.8 85.2  
98 46.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 56.352 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

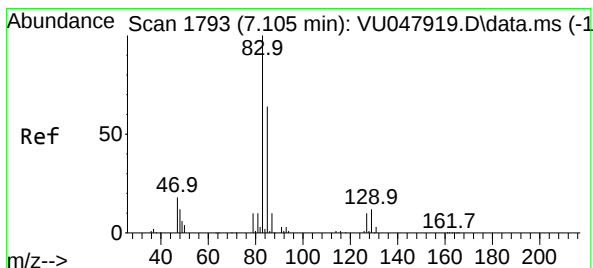
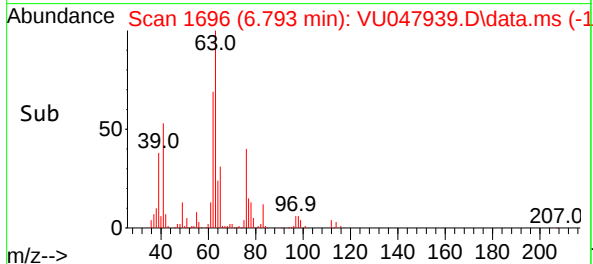
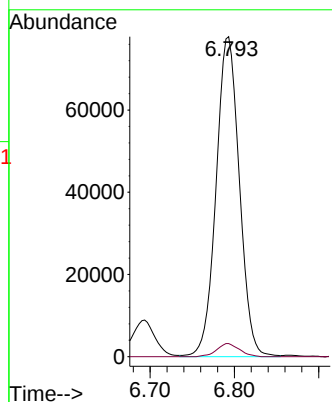
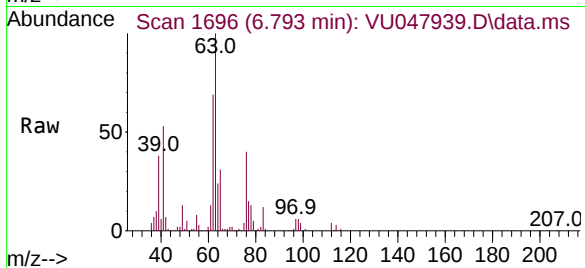
ClientSampleId :

Tgt Ion: 63 Resp: 149190

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2



#38

Bromodichloromethane

Concen: 50.998 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

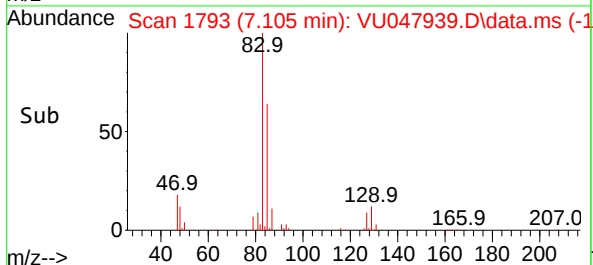
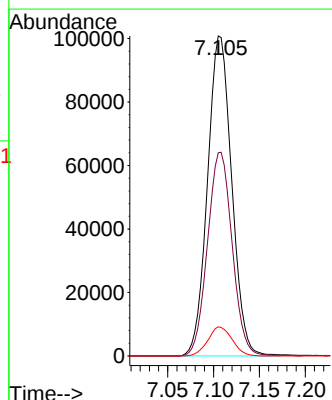
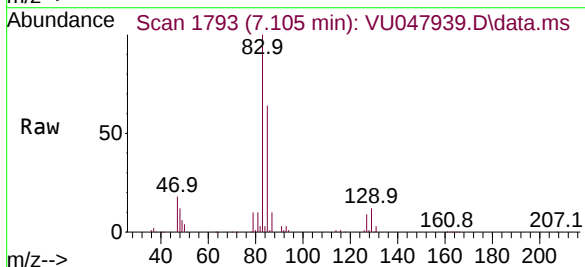
Tgt Ion: 83 Resp: 185406

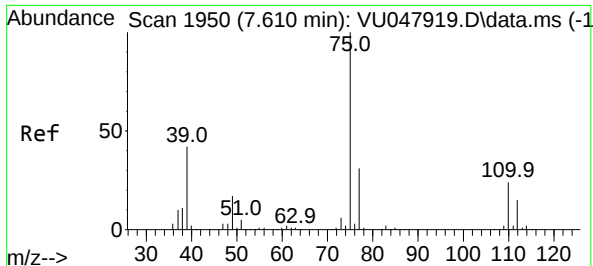
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.4

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 47.905 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

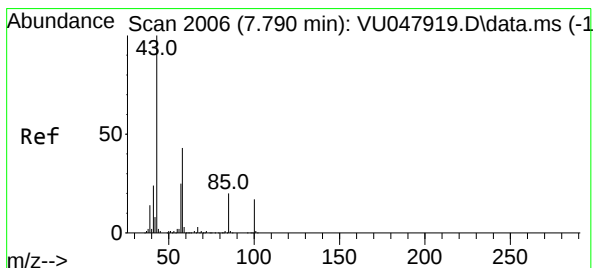
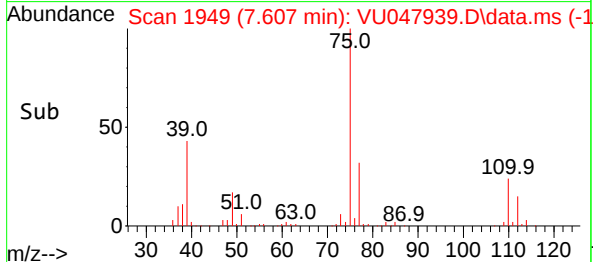
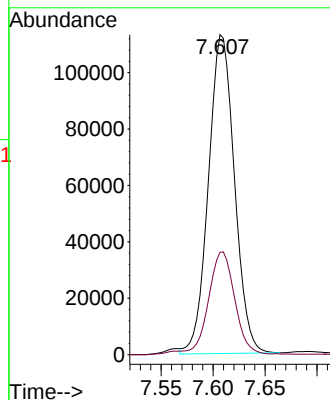
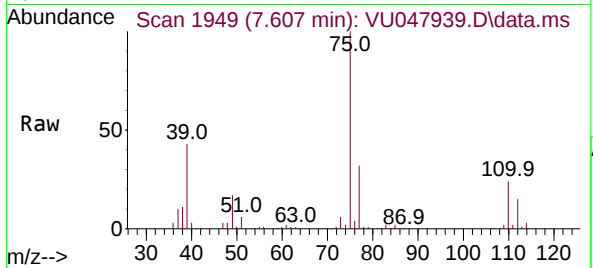
ClientSampleId :

Tgt Ion: 75 Resp: 196786

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.084 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

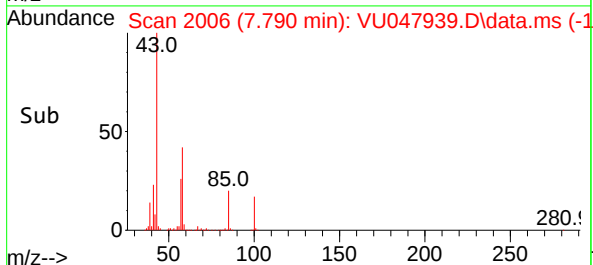
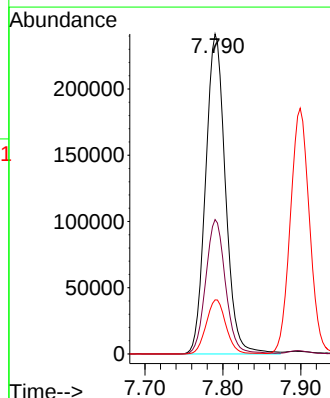
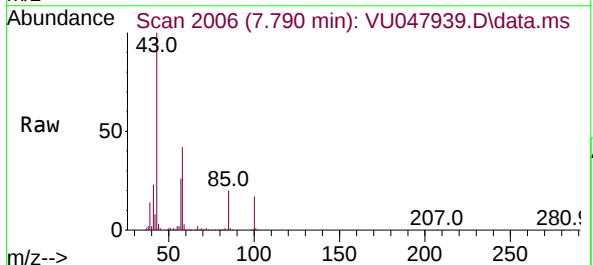
Tgt Ion: 43 Resp: 427147

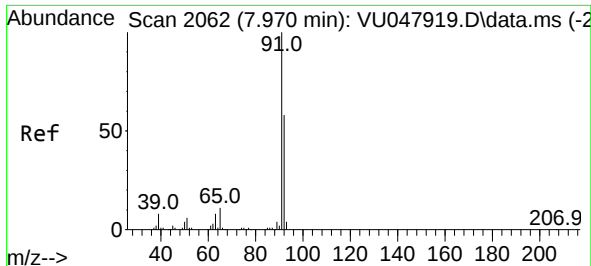
Ion Ratio Lower Upper

43 100

58 42.0 34.7 52.1

100 16.8 14.2 21.2





#42

Toluene

Concen: 53.772 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

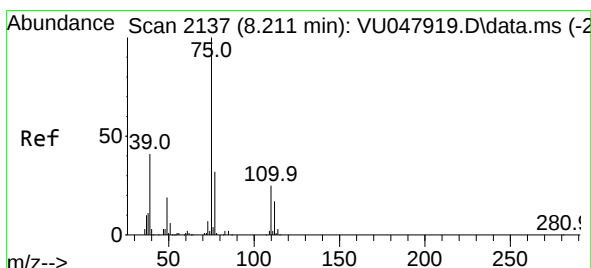
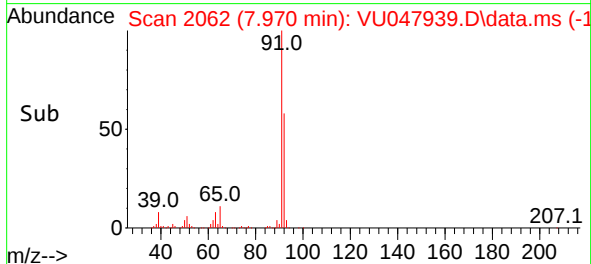
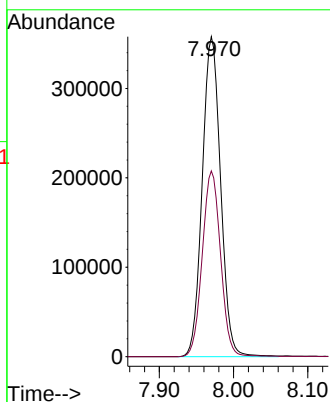
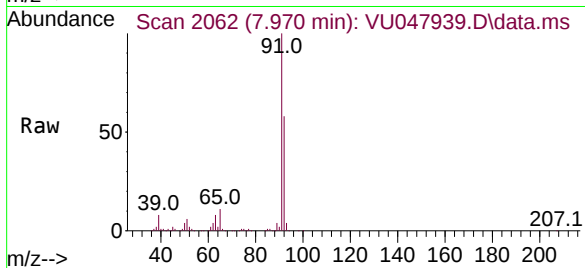
ClientSampleId :

Tgt Ion: 91 Resp: 614452

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 47.847 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047939.D

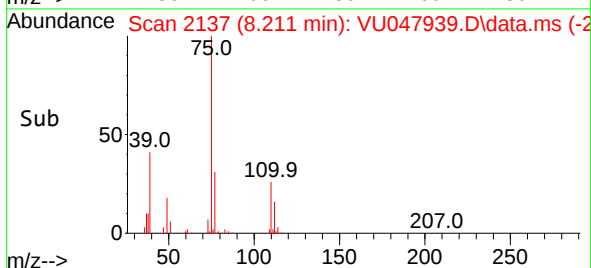
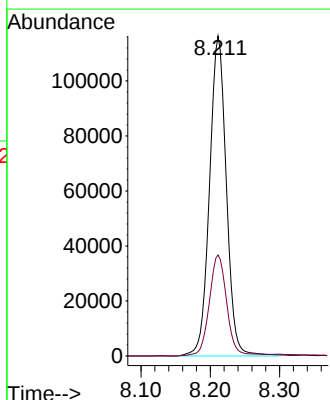
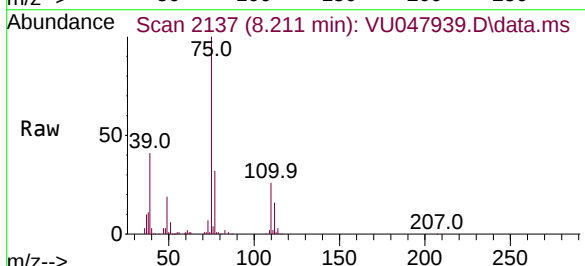
Acq: 12 Apr 2022 04:23

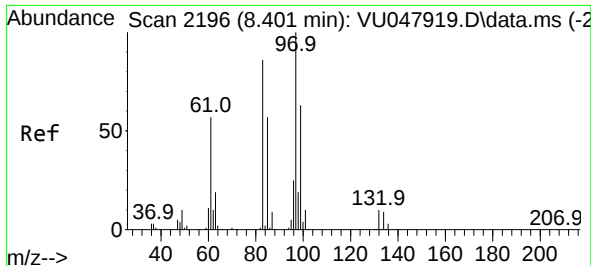
Tgt Ion: 75 Resp: 196246

Ion Ratio Lower Upper

75 100

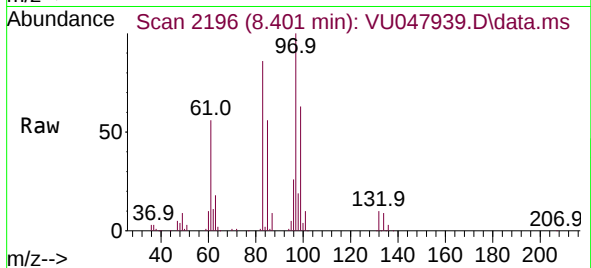
77 31.6 22.0 40.8



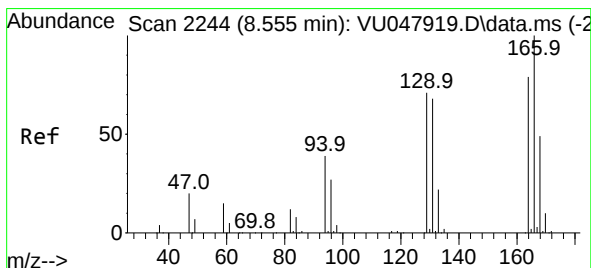
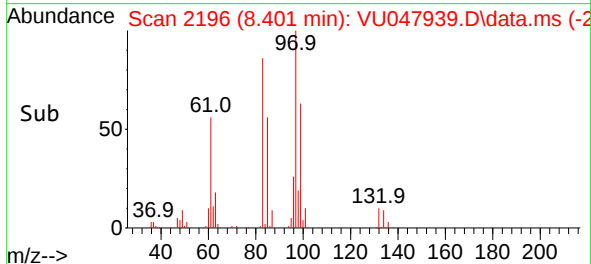
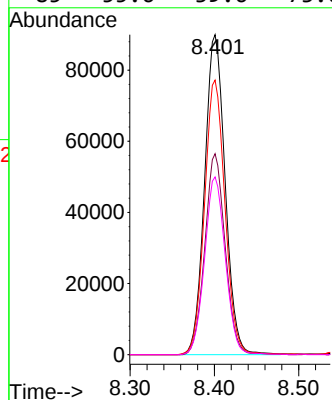


#45  
1,1,2-Trichloroethane  
Concen: 54.425 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Instrument :  
MSVOA\_U  
ClientSampleId :

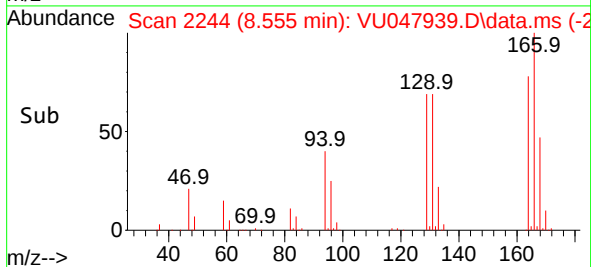
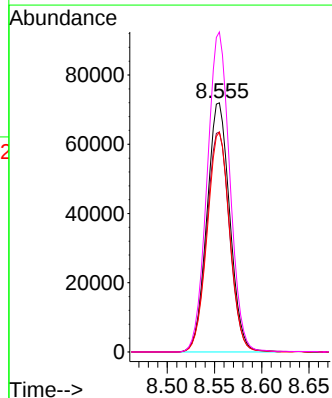
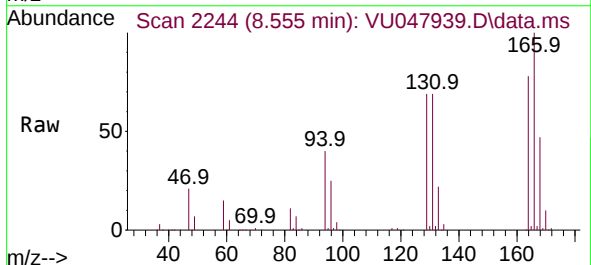


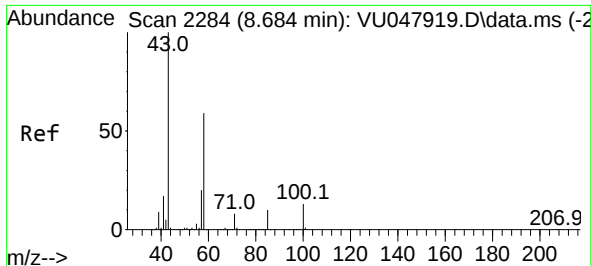
Tgt Ion: 97 Resp: 152815  
Ion Ratio Lower Upper  
97 100  
99 62.8 43.3 80.3  
83 85.8 61.0 113.4  
85 55.6 39.6 73.6



#46  
Tetrachloroethene  
Concen: 49.312 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

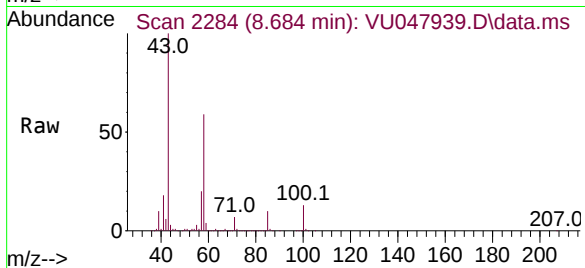
Tgt Ion: 164 Resp: 120989  
Ion Ratio Lower Upper  
164 100  
129 88.3 62.4 116.0  
131 88.2 60.7 112.7  
166 128.5 89.0 165.4



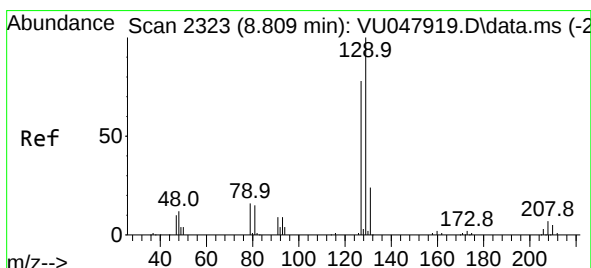
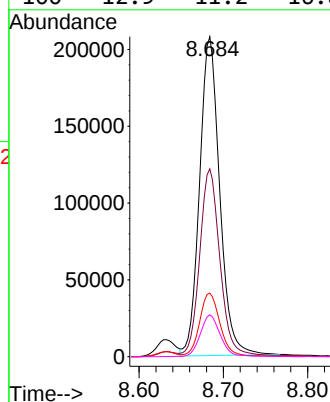
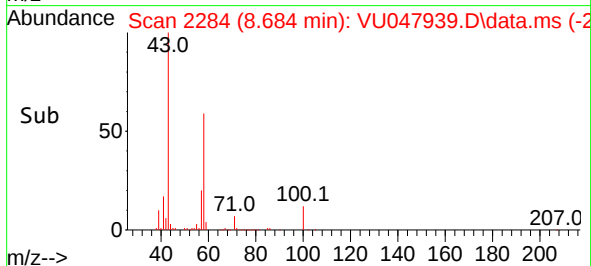


#48  
2-Hexanone  
Concen: 96.023 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Instrument :  
MSVOA\_U  
ClientSampleId :

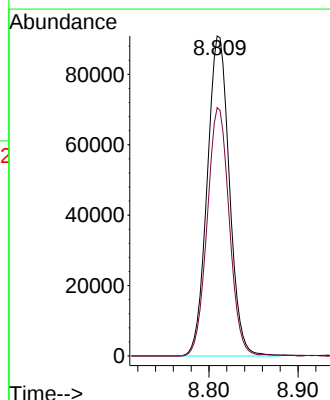
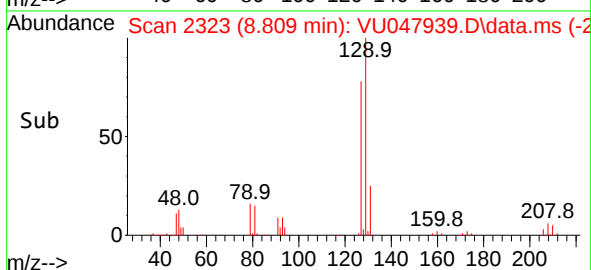
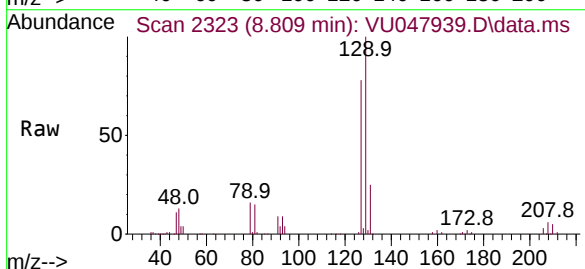


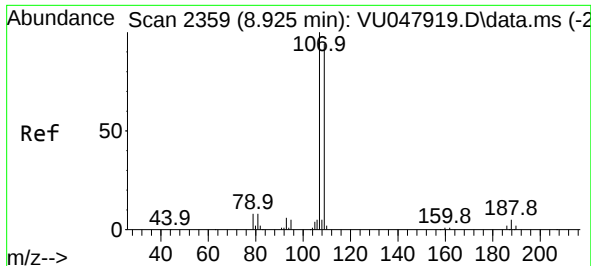
Tgt Ion: 43 Resp: 345613  
Ion Ratio Lower Upper  
43 100  
58 59.7 48.1 72.1  
57 20.3 16.2 24.4  
100 12.9 11.2 16.8



#49  
Dibromochloromethane  
Concen: 48.329 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion: 129 Resp: 157170  
Ion Ratio Lower Upper  
129 100  
127 77.6 54.2 100.6





#50

1,2-Dibromoethane

Concen: 51.982 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

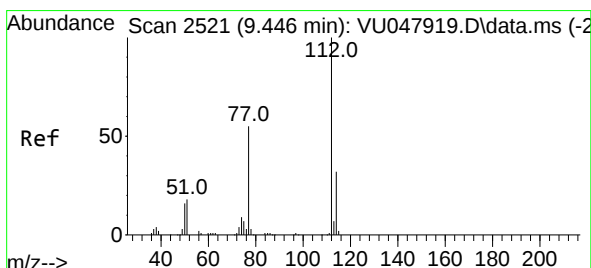
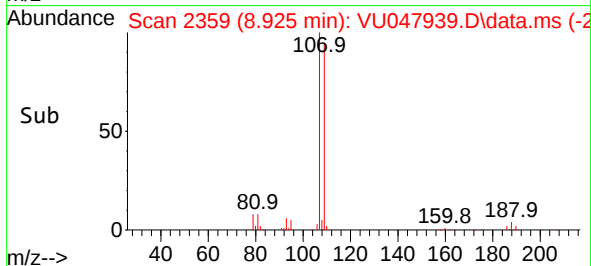
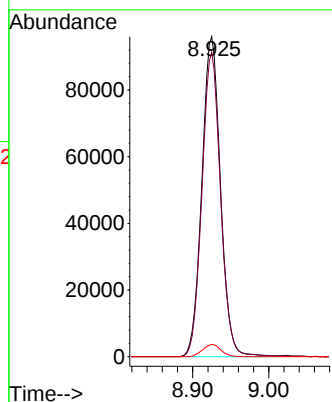
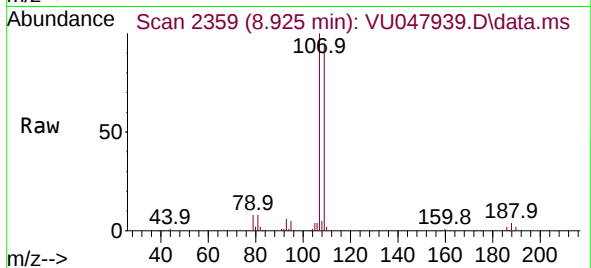
Tgt Ion:107 Resp: 163629

Ion Ratio Lower Upper

107 100

109 95.1 66.6 123.6

188 3.8 3.4 5.2



#51

Chlorobenzene

Concen: 58.601 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

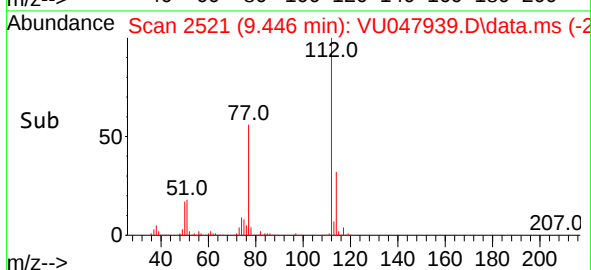
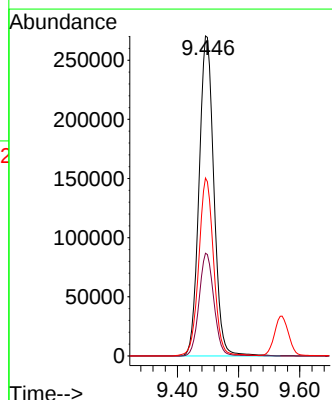
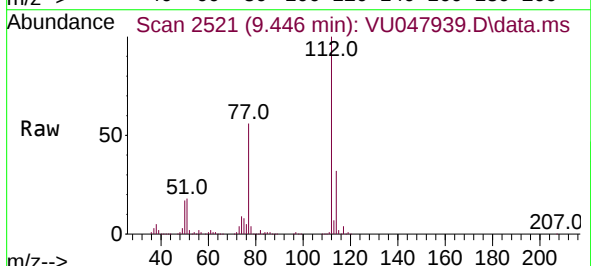
Tgt Ion:112 Resp: 454672

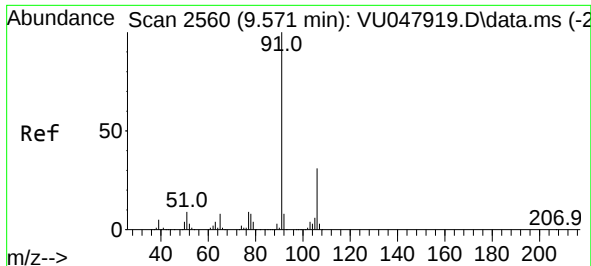
Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

77 55.6 43.4 65.0

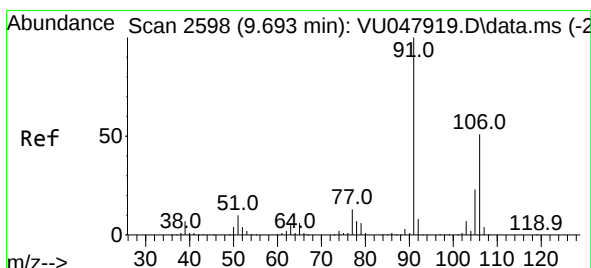
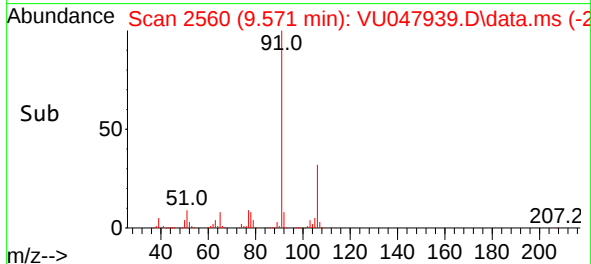
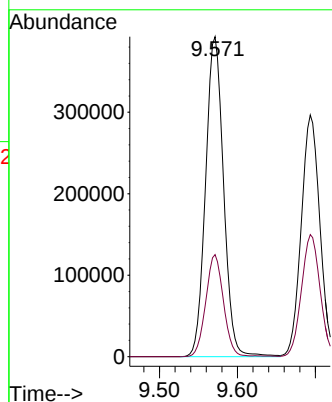
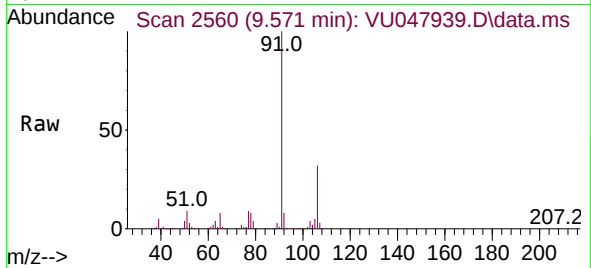




#52  
Ethylbenzene  
Concen: 52.439 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

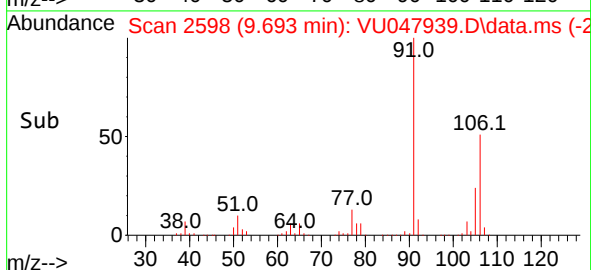
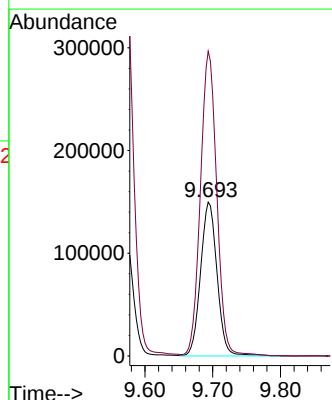
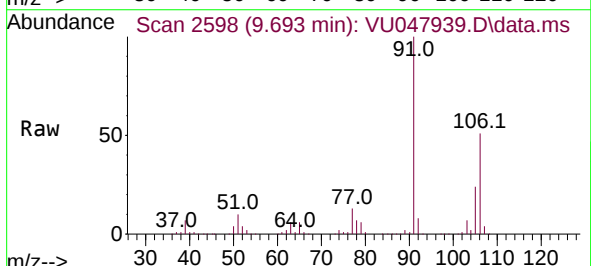
Instrument :  
MSVOA\_U  
ClientSampleId :

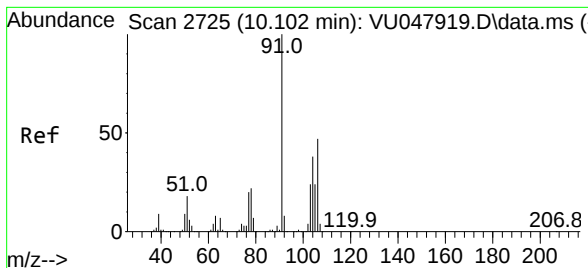
Tgt Ion: 91 Resp: 630055  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.4 41.6



#53  
m,p-Xylene  
Concen: 53.586 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion: 106 Resp: 252627  
Ion Ratio Lower Upper  
106 100  
91 198.0 137.7 255.7





#54

o-Xylene

Concen: 53.614 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

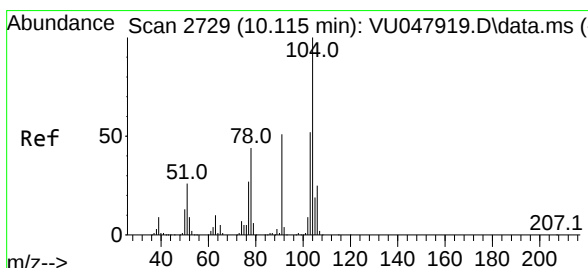
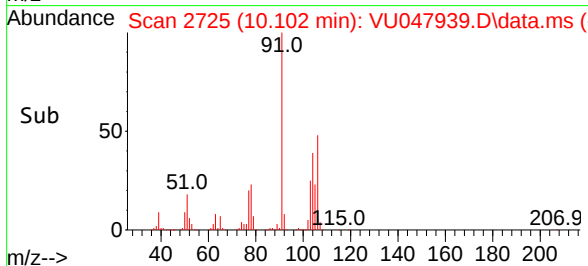
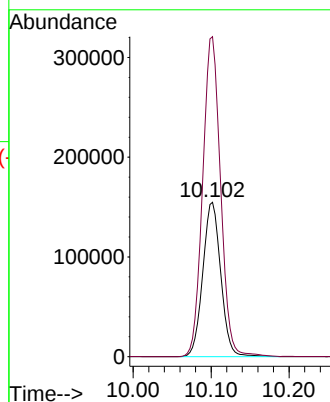
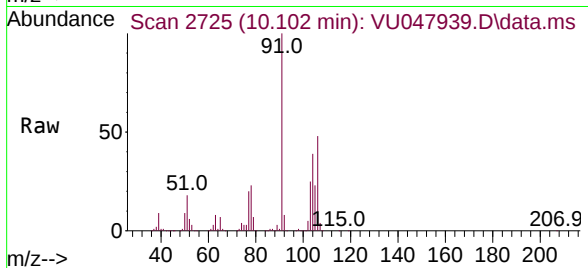
ClientSampleId :

Tgt Ion:106 Resp: 248074

Ion Ratio Lower Upper

106 100

91 207.2 146.7 272.5



#55

Styrene

Concen: 53.521 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU047939.D

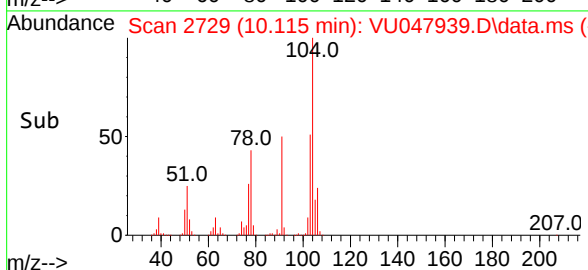
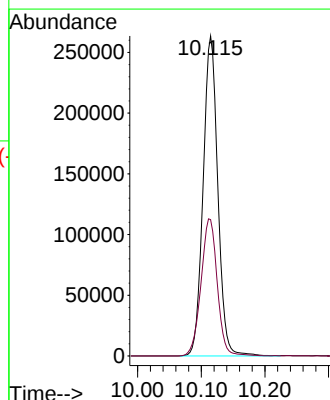
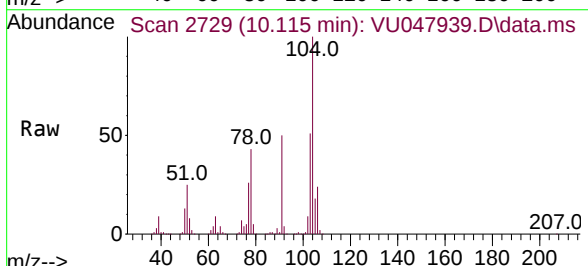
Acq: 12 Apr 2022 04:23

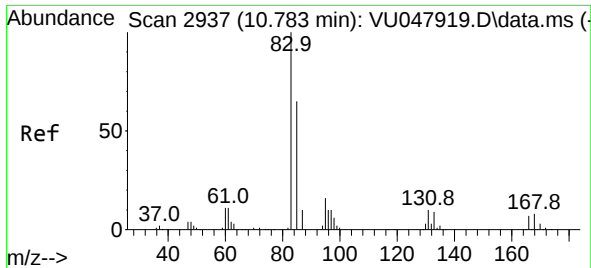
Tgt Ion:104 Resp: 422810

Ion Ratio Lower Upper

104 100

78 42.6 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.473 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

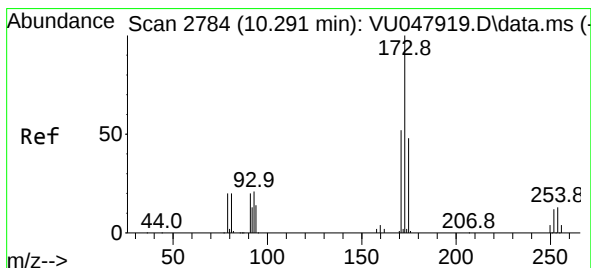
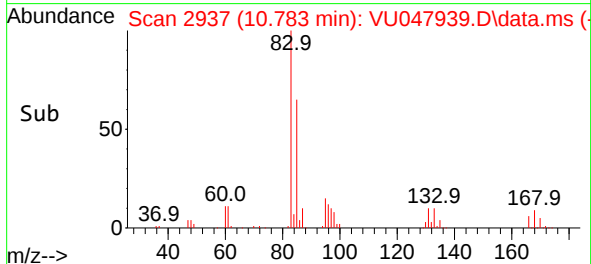
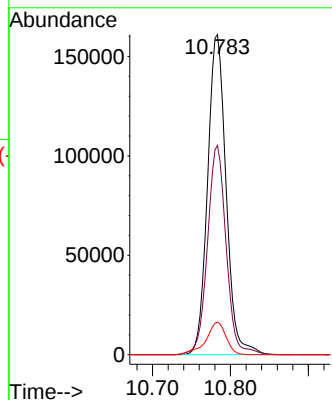
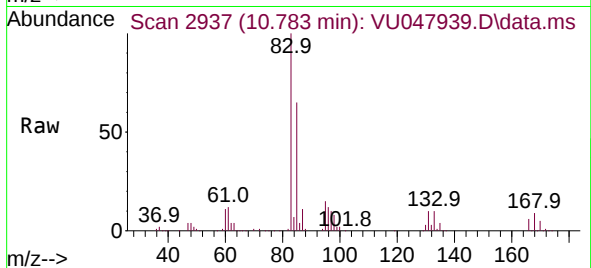
Tgt Ion: 83 Resp: 265686

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3

131 10.2 8.6 13.0



#59

Bromoform

Concen: 47.431 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

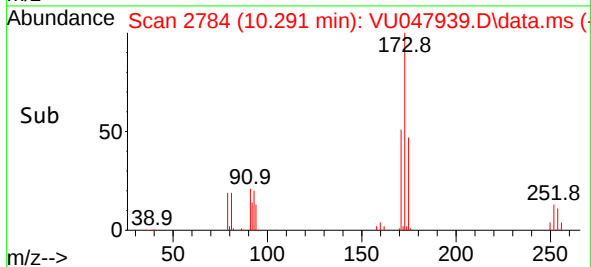
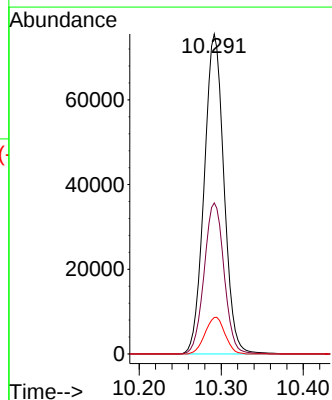
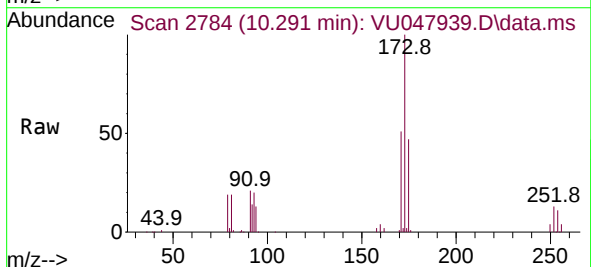
Tgt Ion:173 Resp: 126514

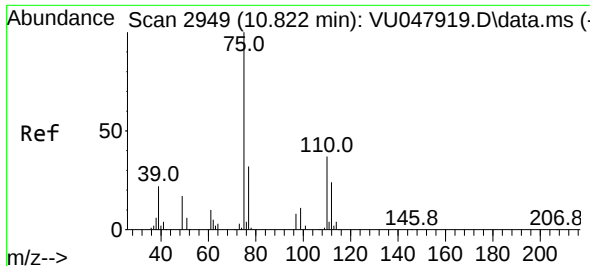
Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 11.5 9.6 14.4

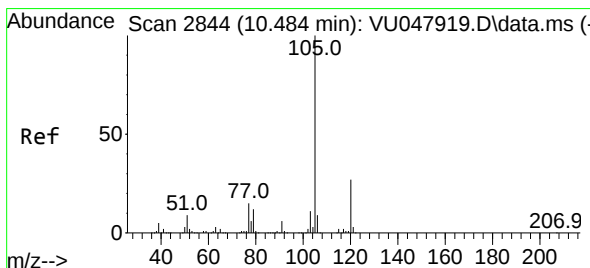
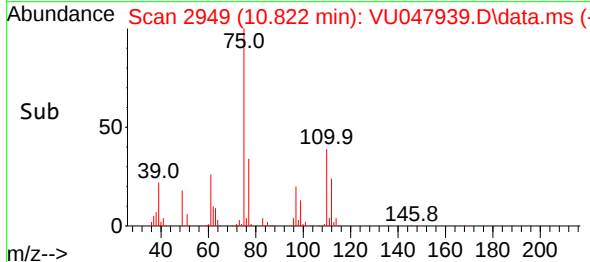
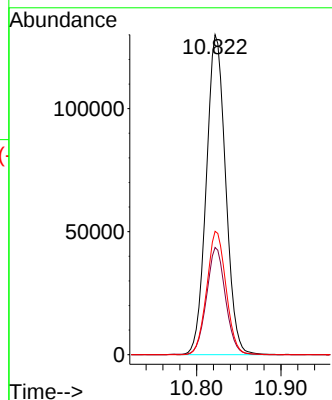
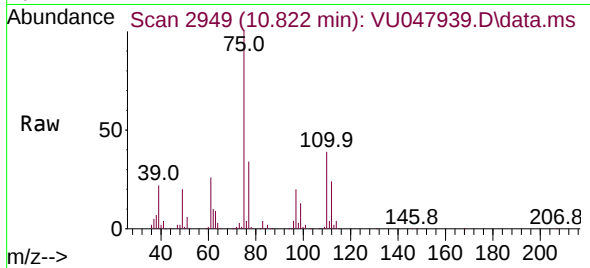




#60  
1,2,3-Trichloropropane  
Concen: 52.842 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

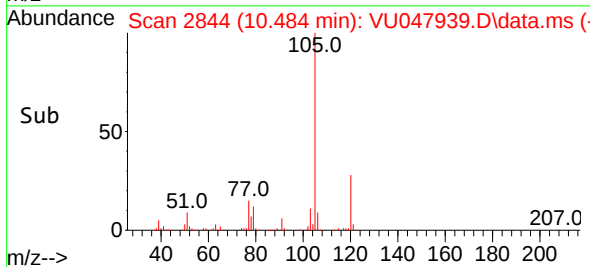
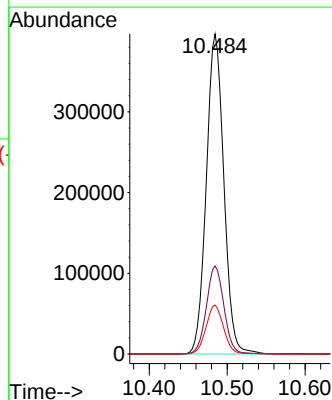
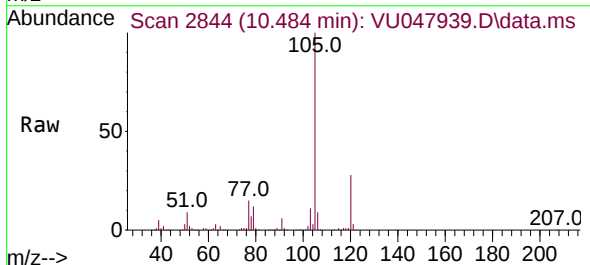
Instrument :  
MSVOA\_U  
ClientSampleId :

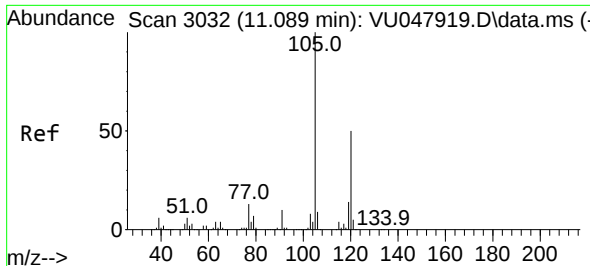
Tgt Ion: 75 Resp: 207793  
Ion Ratio Lower Upper  
75 100  
77 33.0 26.0 39.0  
110 38.4 31.4 47.2



#61  
Isopropylbenzene  
Concen: 54.989 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

Tgt Ion: 105 Resp: 619915  
Ion Ratio Lower Upper  
105 100  
120 27.5 21.9 32.9  
77 15.3 12.1 18.1

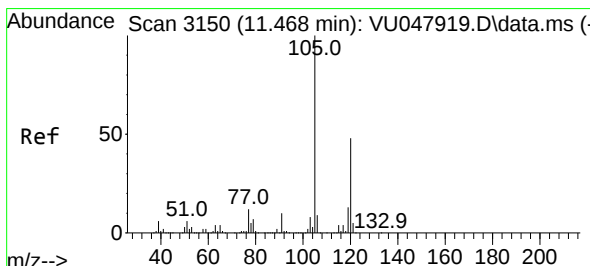
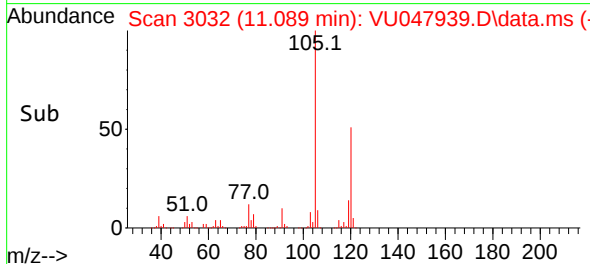
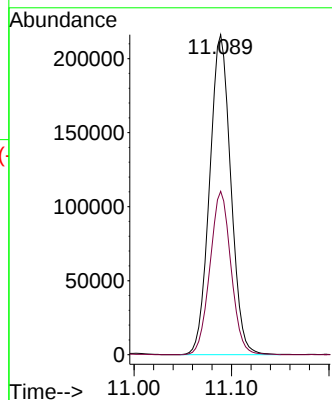
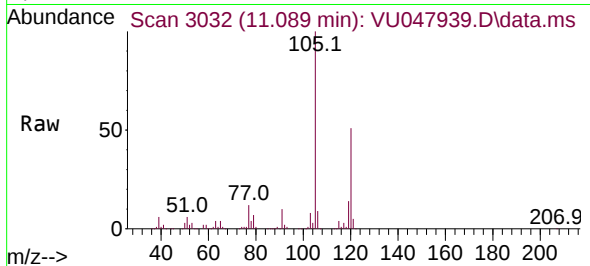




#62  
1,3,5-Trimethylbenzene  
Concen: 53.366 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

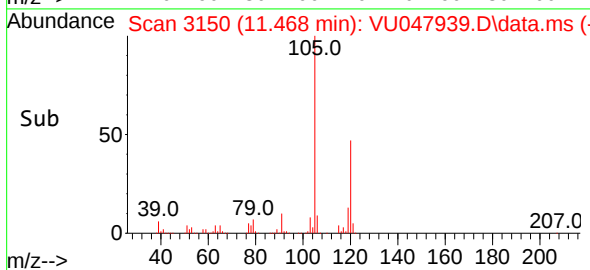
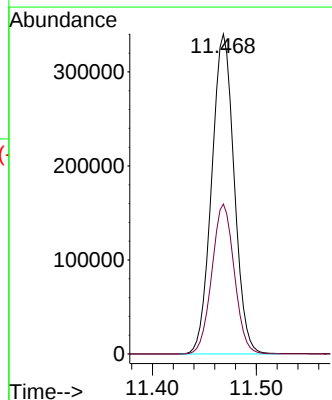
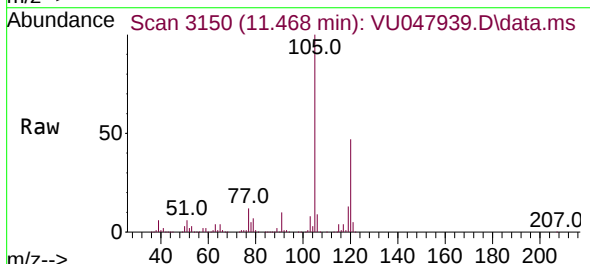
Instrument :  
MSVOA\_U  
ClientSampleId :

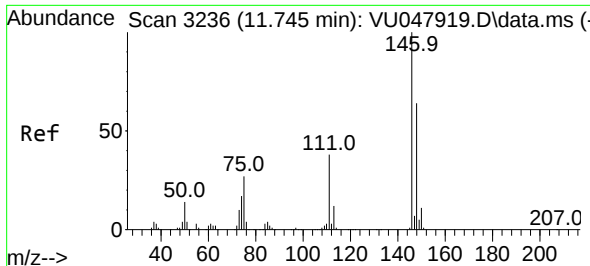
Tgt Ion:105 Resp: 326426  
Ion Ratio Lower Upper  
105 100  
120 50.7 40.8 61.2



#63  
1,2,4-Trimethylbenzene  
Concen: 55.073 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

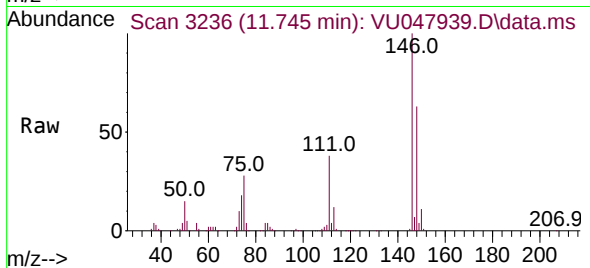
Tgt Ion:105 Resp: 511694  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.6 56.4



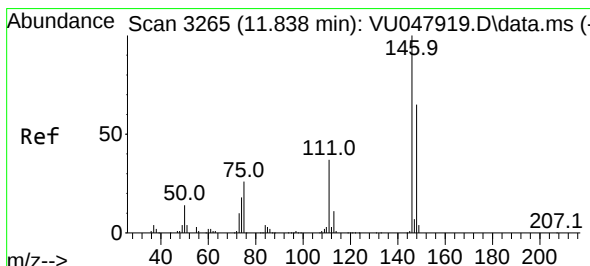
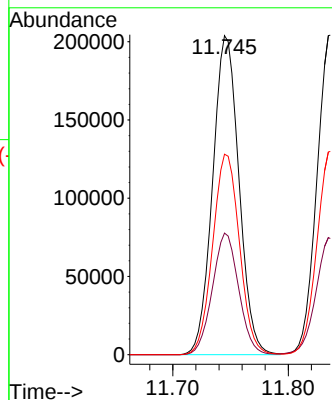
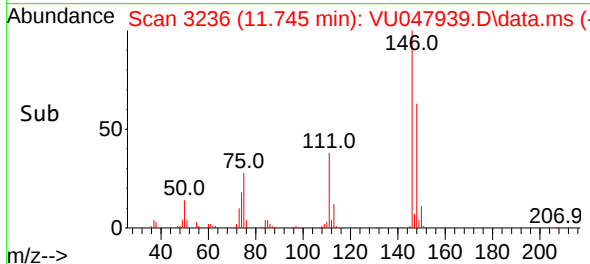


#64  
1,3-Dichlorobenzene  
Concen: 51.543 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23

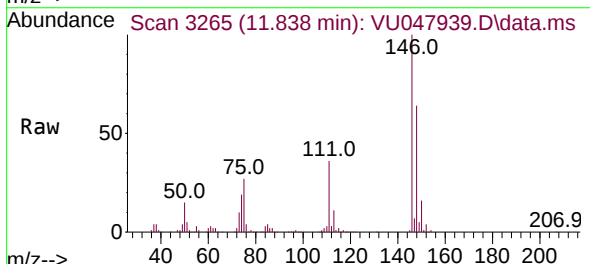
Instrument :  
MSVOA\_U  
ClientSampleId :



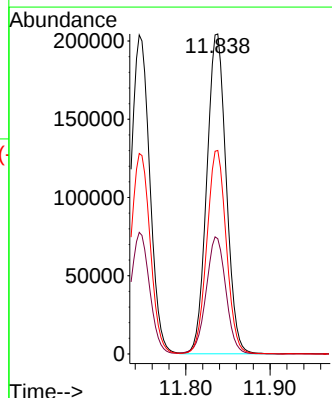
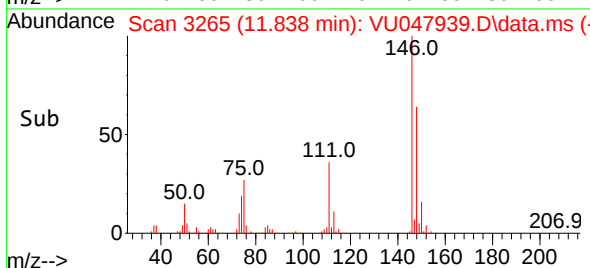
Tgt Ion:146 Resp: 322974  
Ion Ratio Lower Upper  
146 100  
111 38.1 26.7 49.7  
148 62.8 44.4 82.5

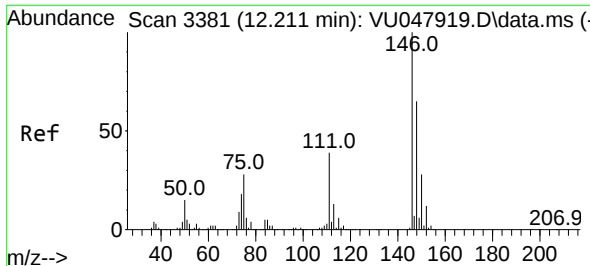


#65  
1,4-Dichlorobenzene  
Concen: 50.540 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. -0.000 min  
Lab File: VU047939.D  
Acq: 12 Apr 2022 04:23



Tgt Ion:146 Resp: 328021  
Ion Ratio Lower Upper  
146 100  
111 36.0 25.3 47.1  
148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 52.864 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

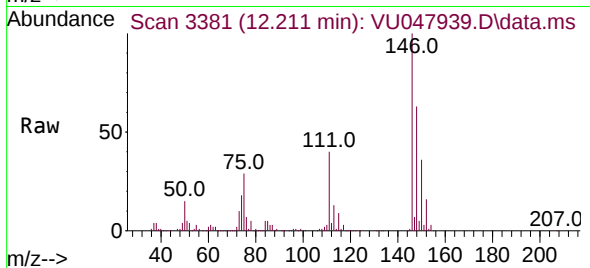
Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :



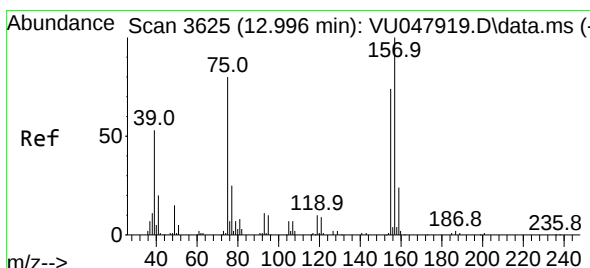
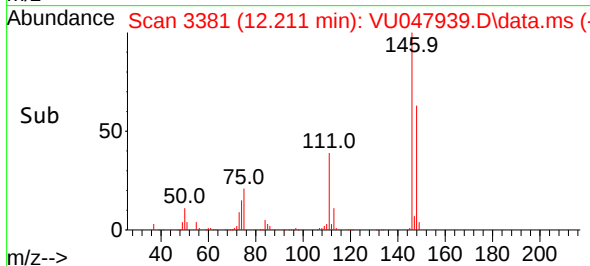
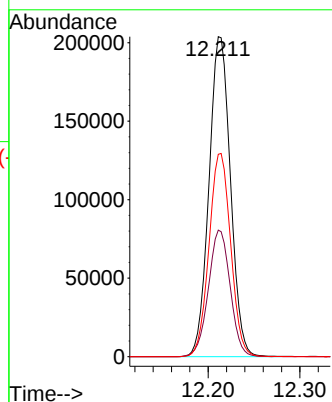
Tgt Ion:146 Resp: 331444

Ion Ratio Lower Upper

146 100

111 39.5 31.7 47.5

148 63.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.988 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

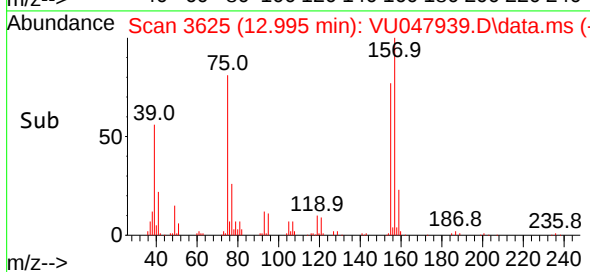
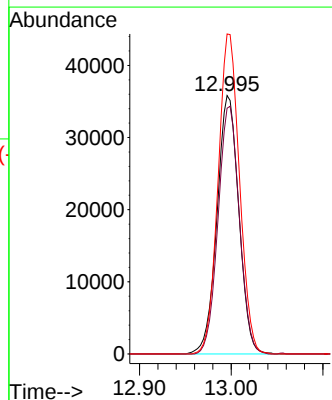
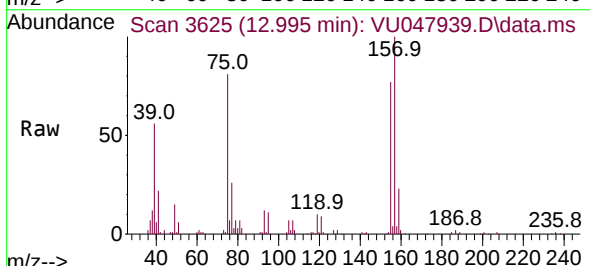
Tgt Ion: 75 Resp: 59187

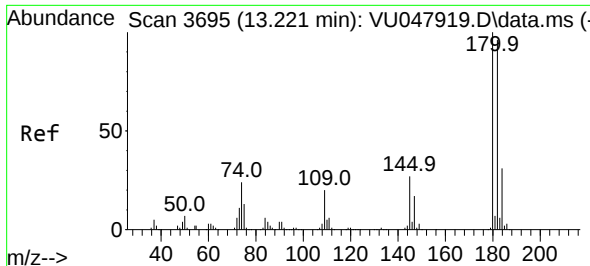
Ion Ratio Lower Upper

75 100

155 95.1 78.9 118.3

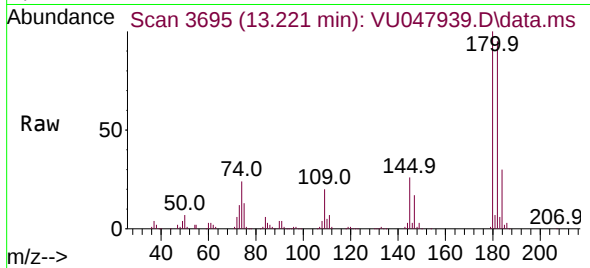
157 123.8 97.5 146.3



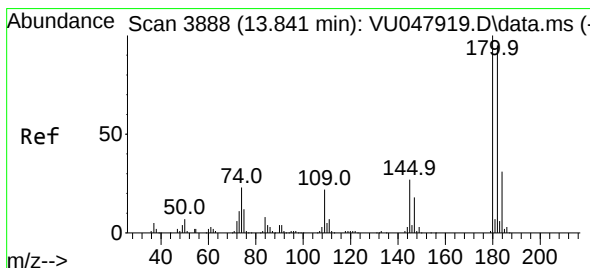
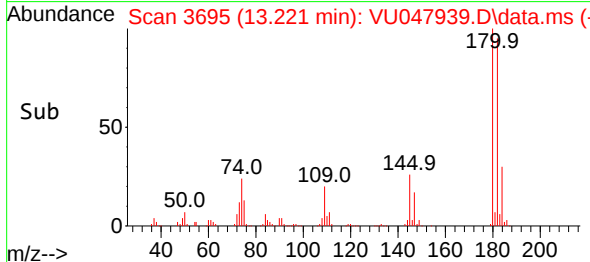
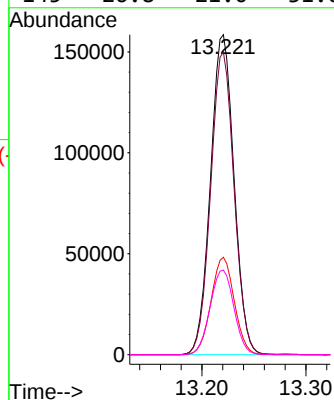


#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.994 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU047939.D  
 Acq: 12 Apr 2022 04:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :

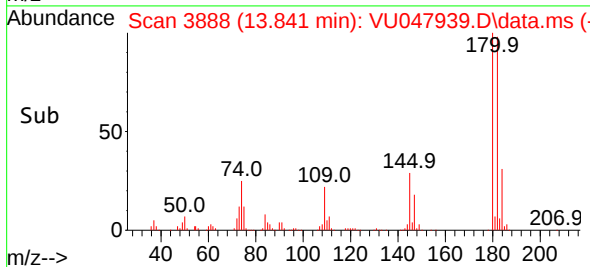
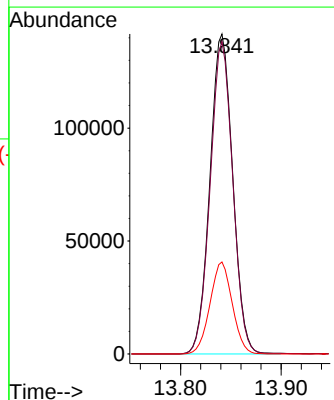
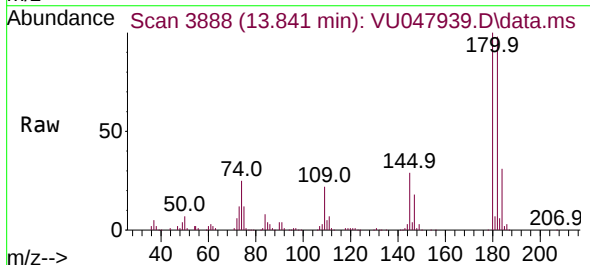


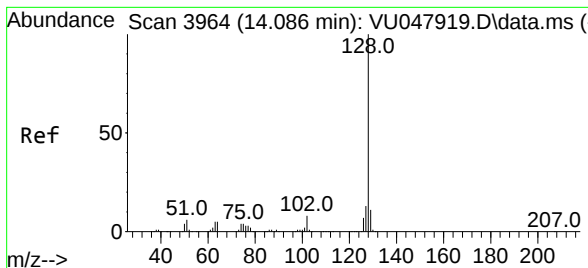
Tgt Ion:180 Resp: 249328  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 77.0 115.6  
 184 30.1 24.5 36.7  
 145 26.8 21.0 31.6



#70  
 1,2,4-trichlorobenzene  
 Concen: 50.072 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU047939.D  
 Acq: 12 Apr 2022 04:23

Tgt Ion:180 Resp: 223193  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 76.2 114.2  
 145 28.0 21.8 32.8





#71

Naphthalene

Concen: 52.325 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Instrument :

MSVOA\_U

ClientSampleId :

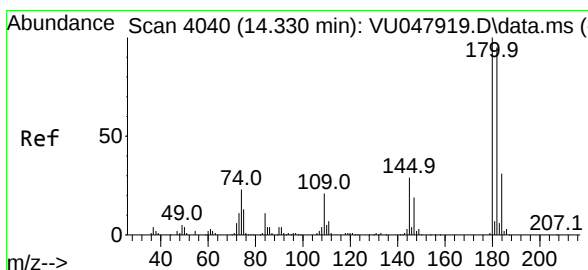
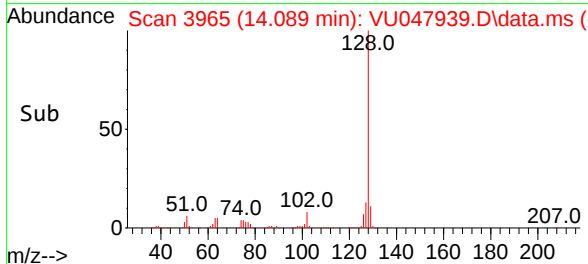
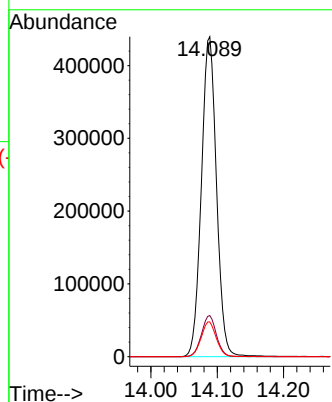
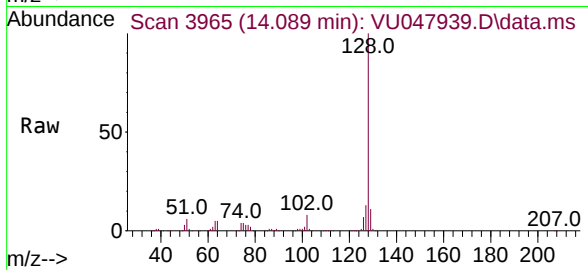
Tgt Ion:128 Resp: 695370

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.628 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU047939.D

Acq: 12 Apr 2022 04:23

Tgt Ion:180 Resp: 230700

Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.0

145 29.0 22.8 34.2

