

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046181.D  
 Acq On : 08 Dec 2021 17:19  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 03:20:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 220984   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 217013   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 118871   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 66823    | 36.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.420%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 52723    | 37.723   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 75.440%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 133311   | 40.795   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.580%  |
| 21) 2-Butanone-d5             | 4.642   | 46    | 139144   | 96.154   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.150%  |
| 24) Chloroform-d              | 5.070   | 84    | 139661   | 45.943   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.880%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 89358    | 43.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.600%  |
| 32) Benzene-d6                | 5.732   | 84    | 280811   | 45.147   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.300%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 87818    | 45.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.120%  |
| 41) Toluene-d8                | 7.899   | 98    | 258287   | 45.607   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.220%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 45222    | 48.597   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 97.200%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 97042    | 106.175  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.170% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 138234   | 47.285   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 110280   | 48.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 103521   | 43.058   | ug/L   | 100      |
| 3) Chloromethane              | 1.523   | 50    | 87786    | 40.822   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 91045    | 41.989   | ug/L   | 98       |
| 6) Bromomethane               | 1.864   | 94    | 58181    | 47.341   | ug/L   | 95       |
| 8) Chloroethane               | 1.941   | 64    | 54241    | 43.204   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 126715   | 44.762   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588   | 101   | 79779    | 49.615   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 75263    | 49.257   | ug/L   | 83       |
| 13) Acetone                   | 2.658   | 43    | 131240   | 72.566   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.800   | 76    | 201515   | 42.508   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.960   | 43    | 100861   | 47.840   | ug/L   | 96       |
| 16) Methylene chloride        | 3.051   | 84    | 88470    | 48.665   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 82317    | 50.907   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.369   | 73    | 273479   | 54.879   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877   | 63    | 147027   | 50.008   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 93516    | 53.299   | ug/L   | 96       |
| 22) 2-Butanone                | 4.719   | 43    | 167280   | 84.966   | ug/L   | 95       |
| 23) Bromochloromethane        | 4.980   | 128   | 46780    | 52.790   | ug/L   | 90       |
| 25) Chloroform                | 5.092   | 83    | 156085   | 47.782   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046181.D  
 Acq On : 08 Dec 2021 17:19  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

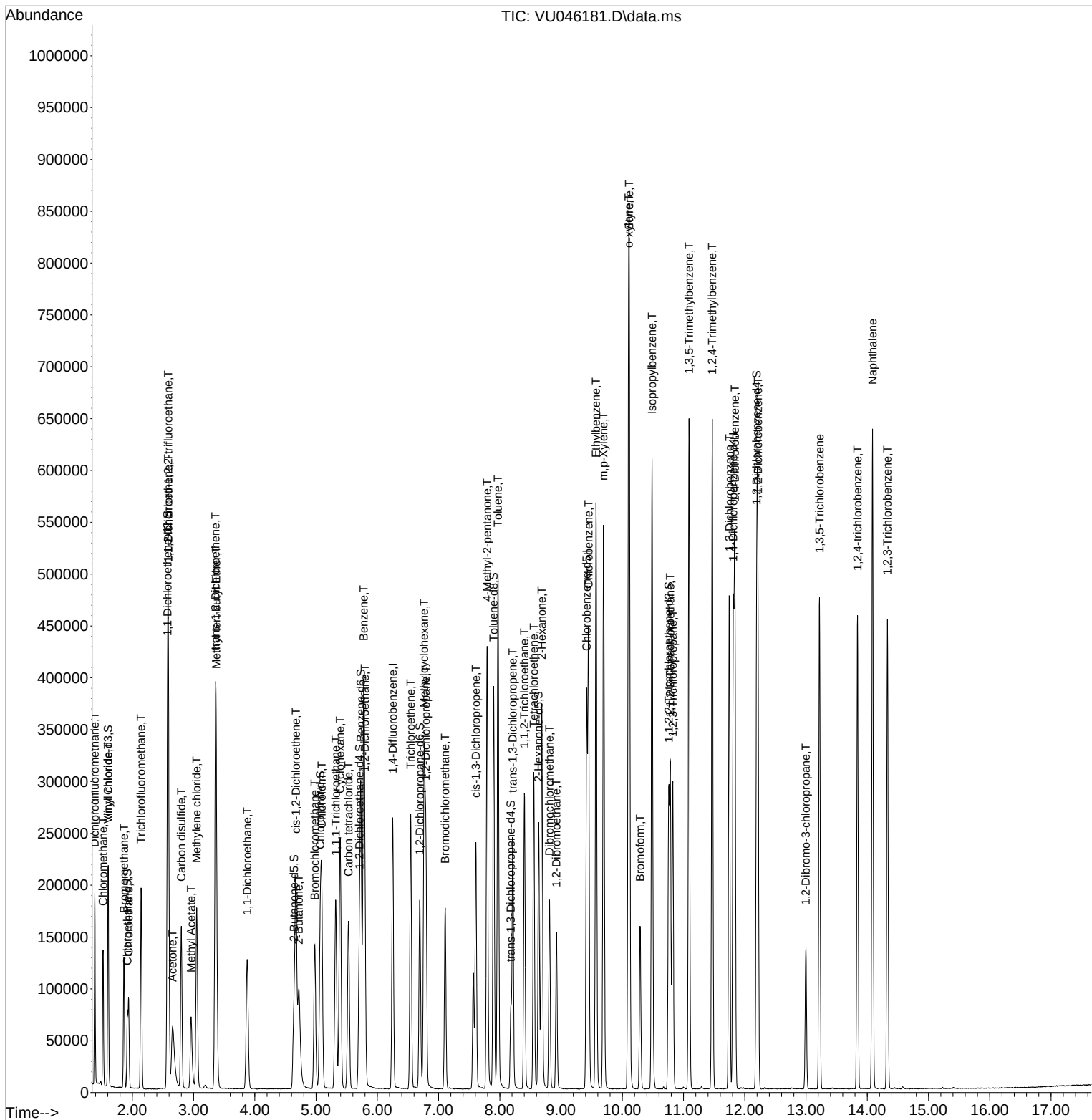
Instrument :  
 MSVOA\_U  
 ClientSampleId :

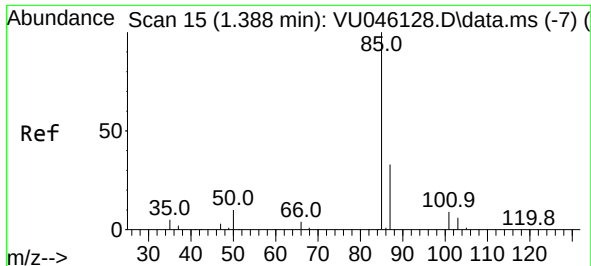
Quant Time: Dec 09 03:20:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 116838   | 48.200  | ug/L  | 99       |
| 29) Cyclohexane               | 5.394  | 56   | 128979   | 51.041  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 137531   | 51.629  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 114319   | 50.550  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 339167   | 51.638  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 89902    | 51.957  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.764  | 83   | 136028   | 50.701  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 87294    | 50.735  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 114062   | 49.876  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 144559   | 55.228  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 269764   | 106.713 | ug/L  | 97       |
| 42) Toluene                   | 7.970  | 91   | 373485   | 52.993  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 137738   | 53.578  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 90451    | 52.400  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 68490    | 53.862  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.687  | 43   | 223350   | 98.792  | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 95477    | 52.672  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 99719    | 53.284  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.449  | 112  | 241623   | 52.992  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 417007   | 54.978  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 163529   | 55.283  | ug/L  | 98       |
| 54) o-xylene                  | 10.102 | 106  | 159828   | 55.684  | ug/L  | 95       |
| 55) Styrene                   | 10.115 | 104  | 276968   | 56.520  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 153343   | 51.815  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 71660    | 51.388  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 127007   | 48.741  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 425169   | 54.972  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 361894   | 56.137  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 365633   | 56.690  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 201041   | 54.722  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 204101   | 53.754  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 198167   | 53.563  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 34315    | 49.433  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 148096   | 55.324  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 139583   | 58.760  | ug/L  | 99       |
| 71) Naphthalene               | 14.085 | 128  | 501514   | 60.670  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 138936   | 57.355  | ug/L  | 99       |

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

Quant Time: Dec 09 03:20:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 03 05:08:36 2021  
Response via : Initial Calibration

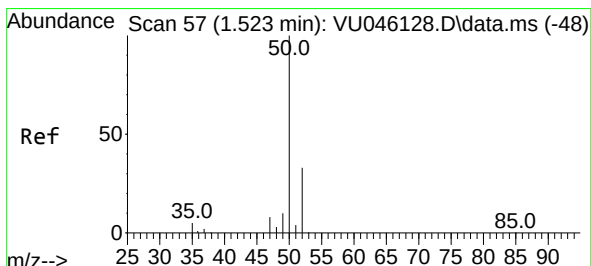
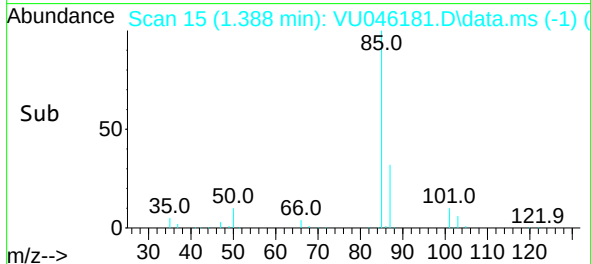
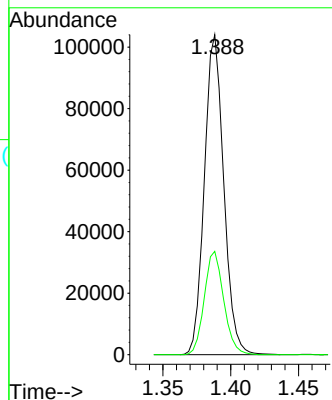
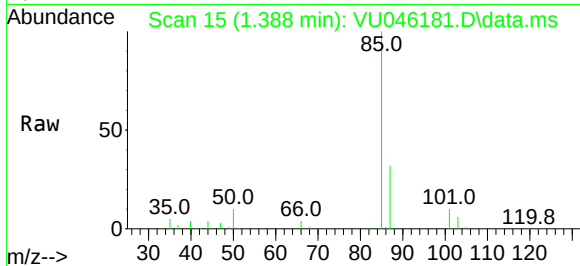




#2  
Dichlorodifluoromethane  
Concen: 43.058 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

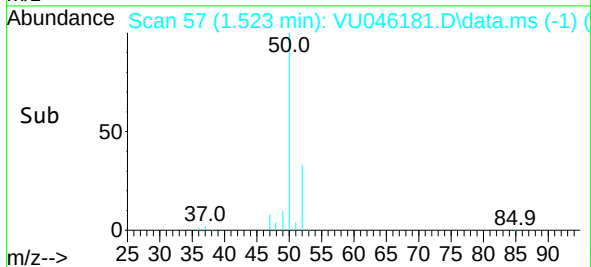
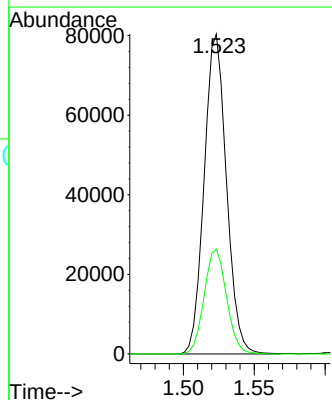
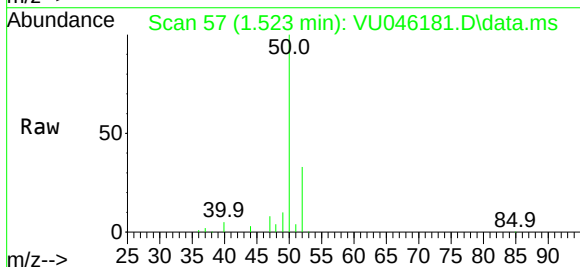
Instrument :  
MSVOA\_U  
ClientSampleId :

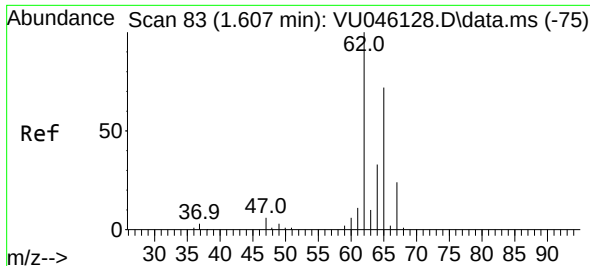
Tgt Ion: 85 Resp: 103521  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.7 38.5



#3  
Chloromethane  
Concen: 40.822 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion: 50 Resp: 87786  
Ion Ratio Lower Upper  
50 100  
52 32.8 23.2 43.2

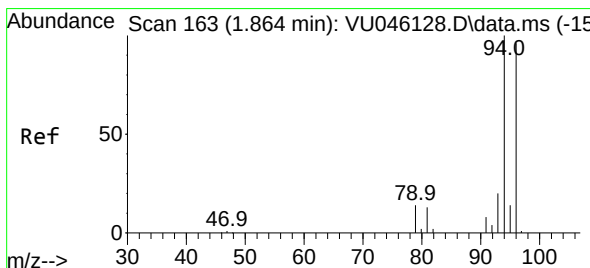
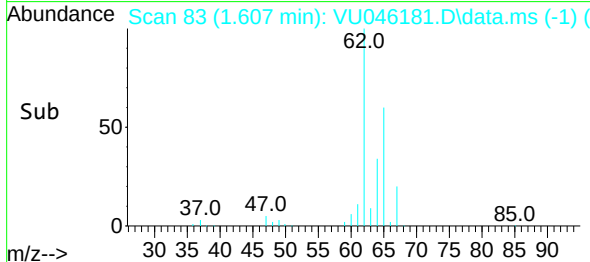
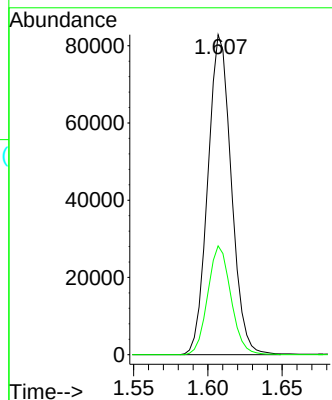
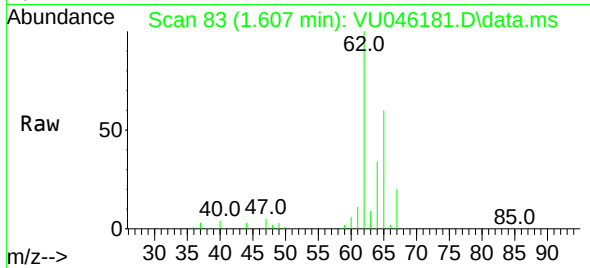




#5  
 Vinyl chloride  
 Concen: 41.989 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

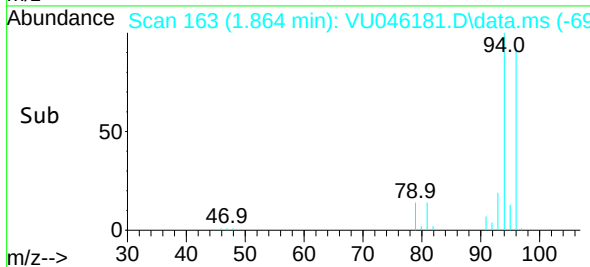
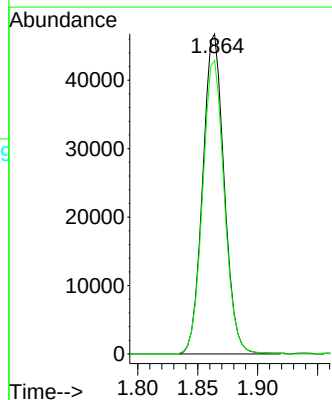
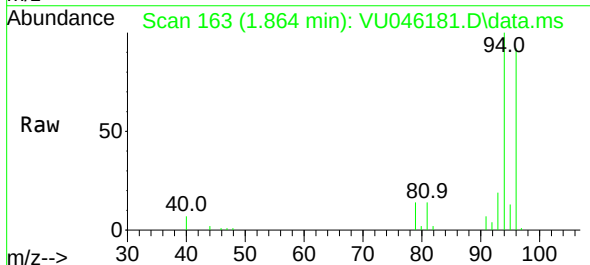
Instrument :  
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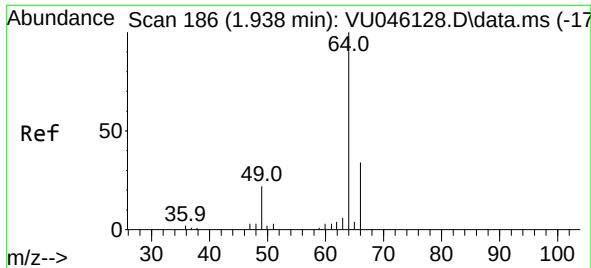
Tgt Ion: 62 Resp: 91045  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 22.9 42.5



#6  
 Bromomethane  
 Concen: 47.341 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. 0.003 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

Tgt Ion: 94 Resp: 58181  
 Ion Ratio Lower Upper  
 94 100  
 96 91.7 67.4 125.2

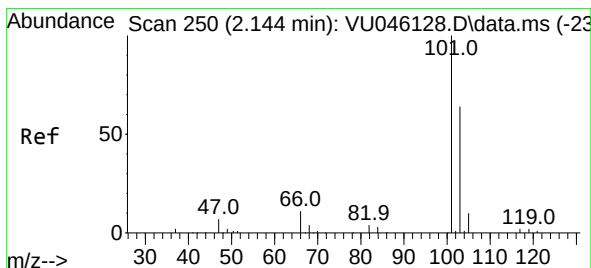
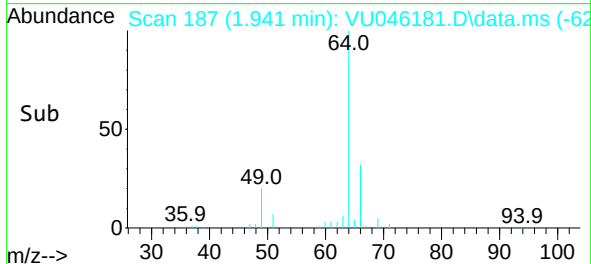
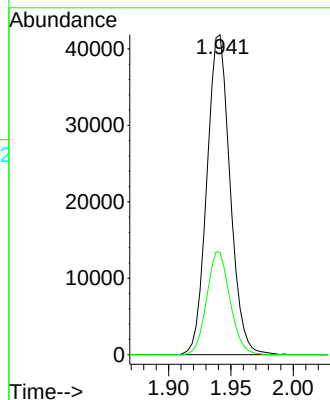
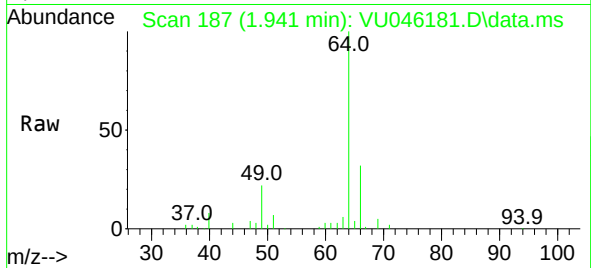




#8  
Chloroethane  
Concen: 43.204 ug/L  
RT: 1.941 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

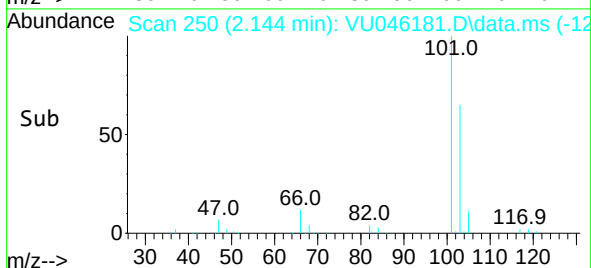
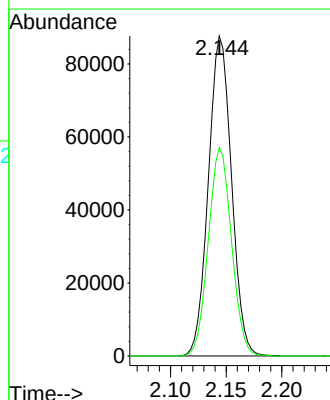
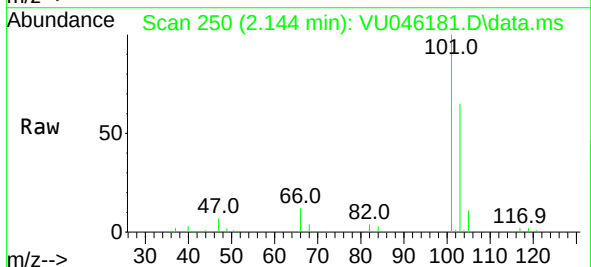
Instrument :  
MSVOA\_U  
ClientSampleId :

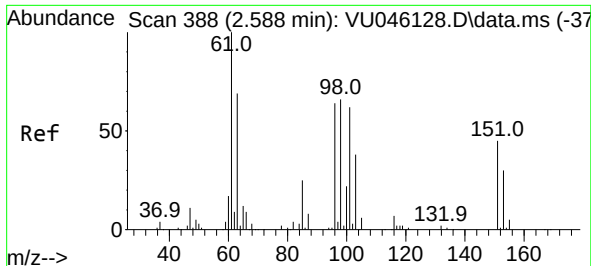
Tgt Ion: 64 Resp: 54241  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 44.762 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion:101 Resp: 126715  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.8 77.6

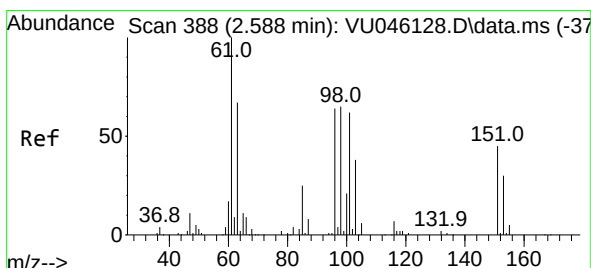
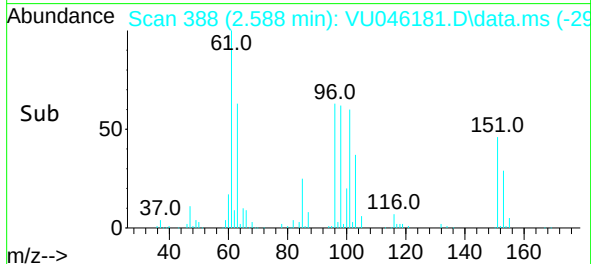
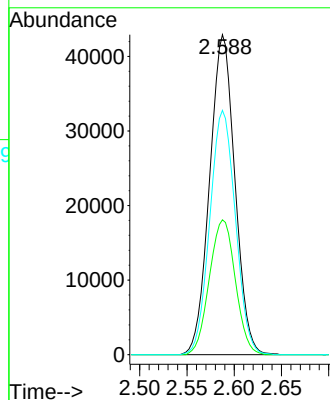
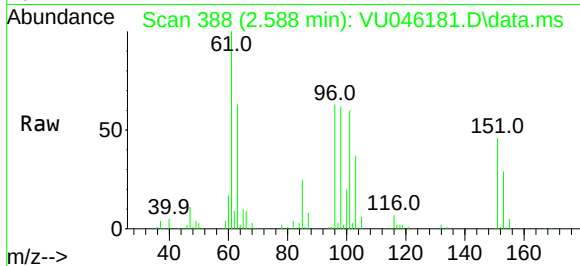




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 49.615 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

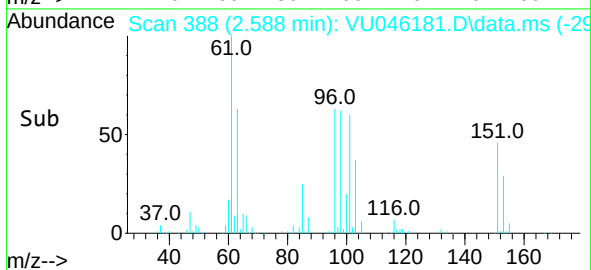
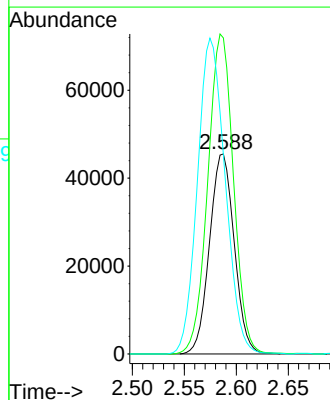
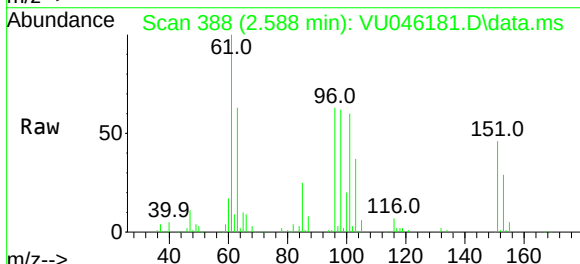
Instrument :  
 MSVOA\_U  
 ClientSampleId :

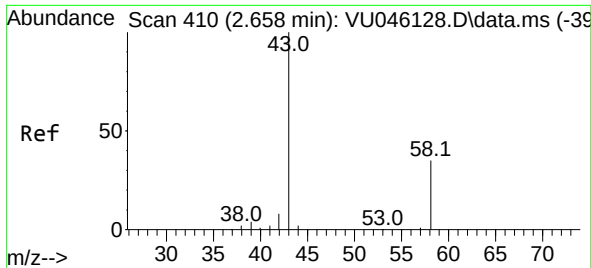
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 Ion Ratio Lower Upper  
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 151 77.5 56.7 85.1



#12  
 1,1-Dichloroethene  
 Concen: 49.257 ug/L  
 RT: 2.588 min Scan# 388  
 Delta R.T. 0.003 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

Tgt Ion: 96 Resp: 75263  
 Ion Ratio Lower Upper  
 96 100  
 61 158.0 118.6 220.2  
 63 99.5 93.0 172.8





#13

Acetone

Concen: 72.566 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

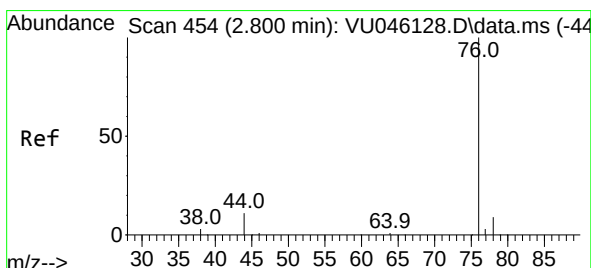
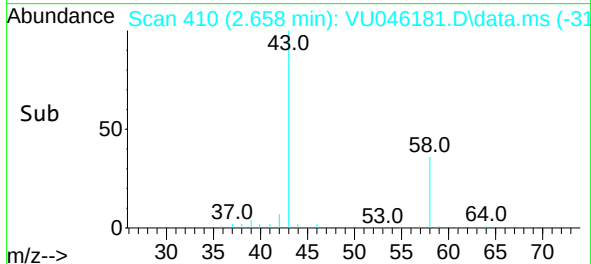
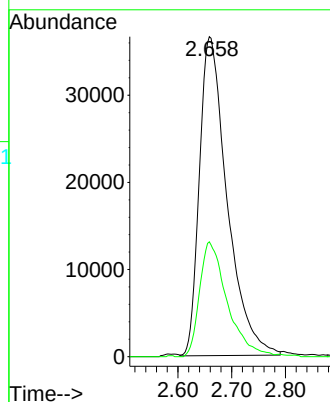
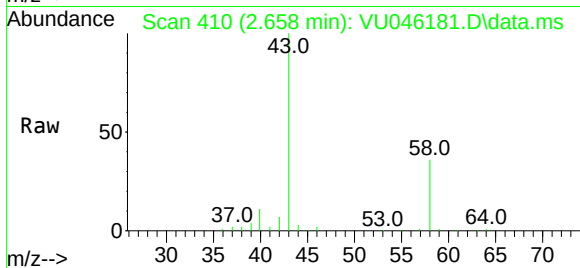
ClientSampleId :

Tgt Ion: 43 Resp: 131240

Ion Ratio Lower Upper

43 100

58 35.8 0.0 66.8



#14

Carbon disulfide

Concen: 42.508 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046181.D

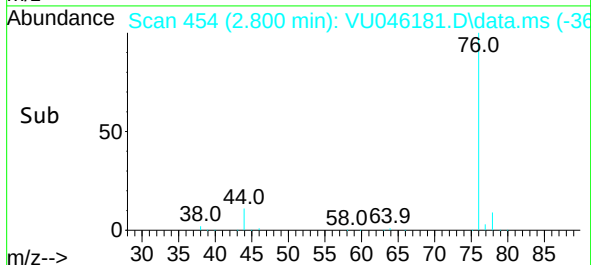
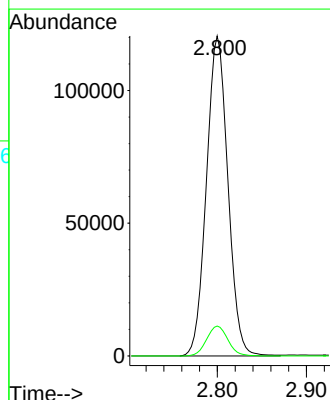
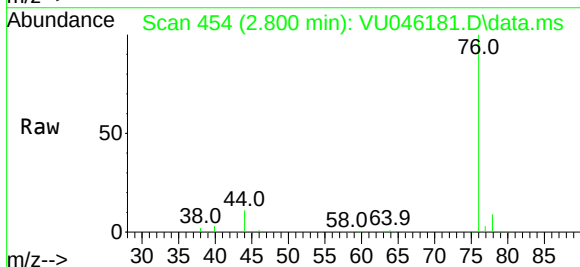
Acq: 08 Dec 2021 17:19

Tgt Ion: 76 Resp: 201515

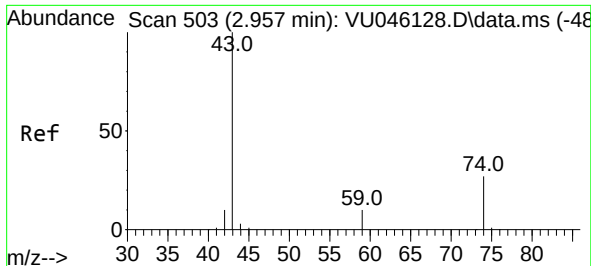
Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



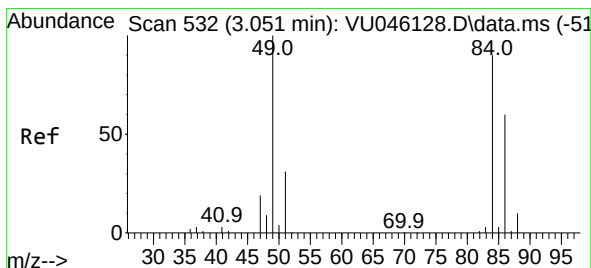
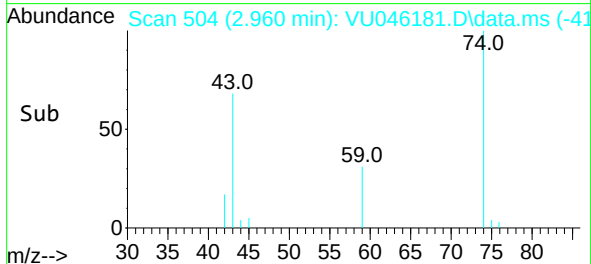
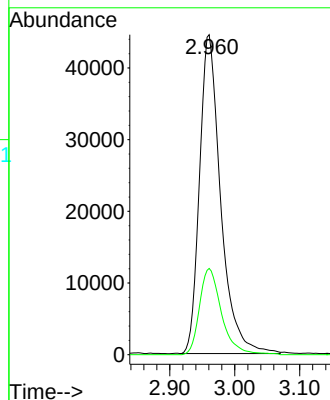
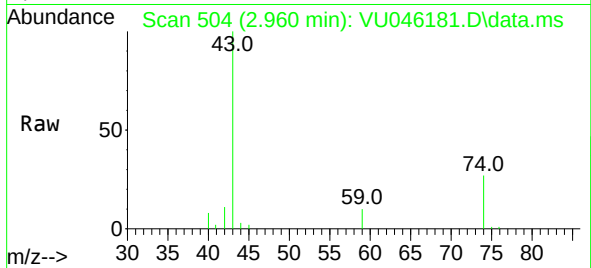




#15  
Methyl Acetate  
Concen: 47.840 ug/L  
RT: 2.960 min Scan# 503  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

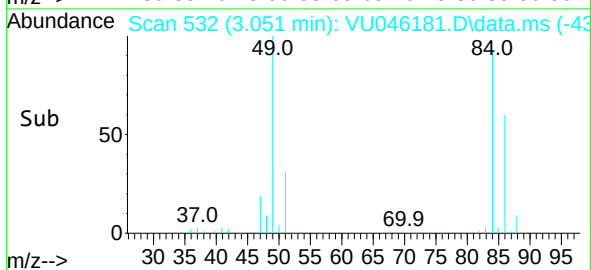
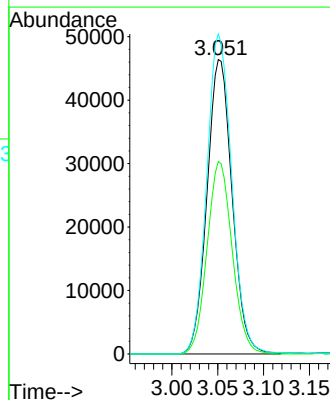
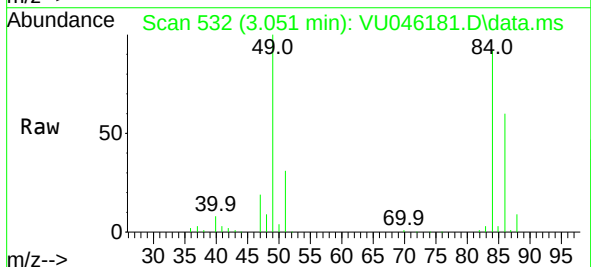
Instrument :  
MSVOA\_U  
ClientSampleId :

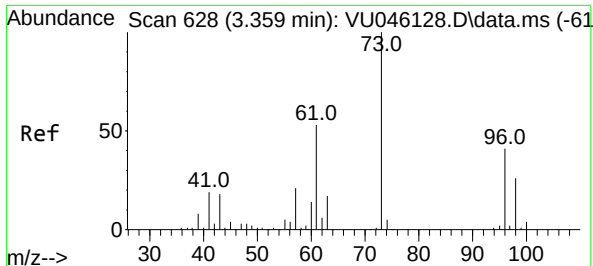
Tgt Ion: 43 Resp: 100861  
Ion Ratio Lower Upper  
43 100  
74 28.0 20.8 31.2



#16  
Methylene chloride  
Concen: 48.665 ug/L  
RT: 3.051 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion: 84 Resp: 88470  
Ion Ratio Lower Upper  
84 100  
86 65.3 44.7 83.1  
49 108.7 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 50.907 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

ClientSampleId :

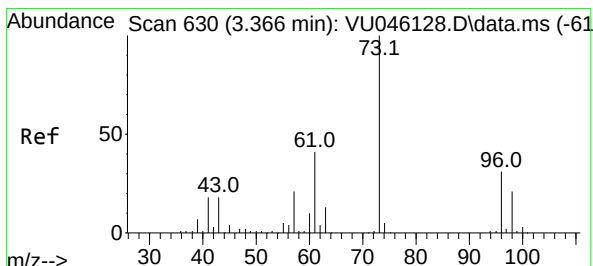
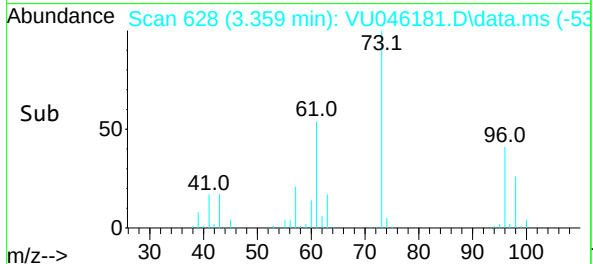
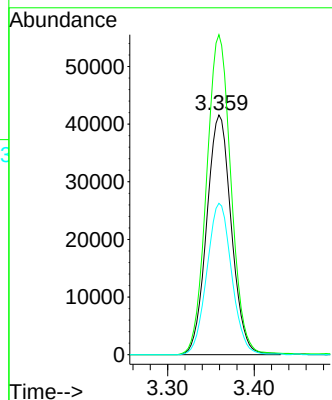
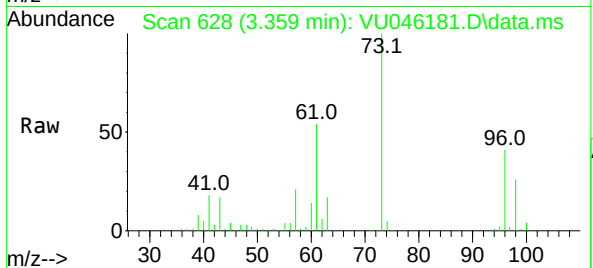
Tgt Ion: 96 Resp: 82317

Ion Ratio Lower Upper

96 100

61 133.5 94.6 175.6

98 63.2 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 54.879 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

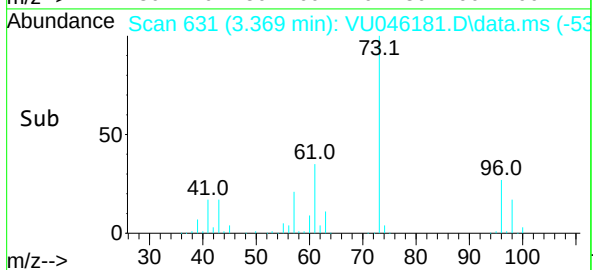
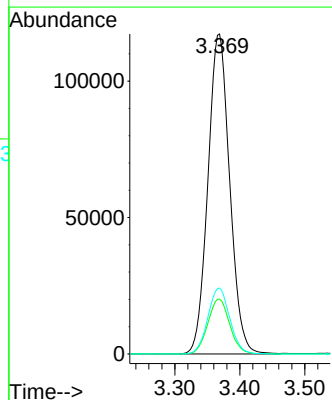
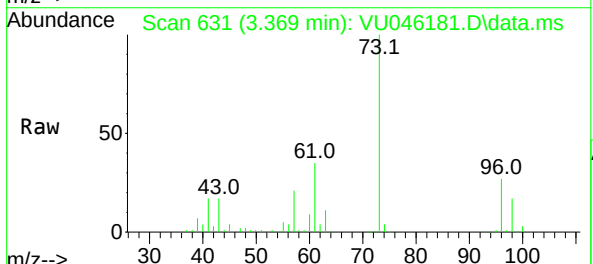
Tgt Ion: 73 Resp: 273479

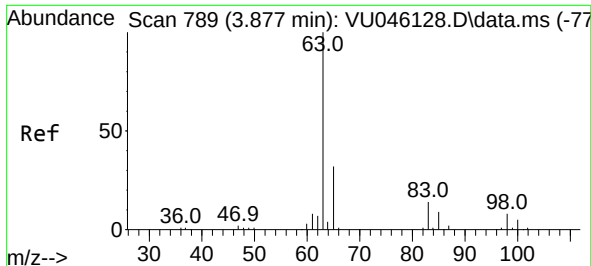
Ion Ratio Lower Upper

73 100

43 17.3 14.0 21.0

57 20.7 17.0 25.4





#19

1,1-Dichloroethane

Concen: 50.008 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

ClientSampleId :

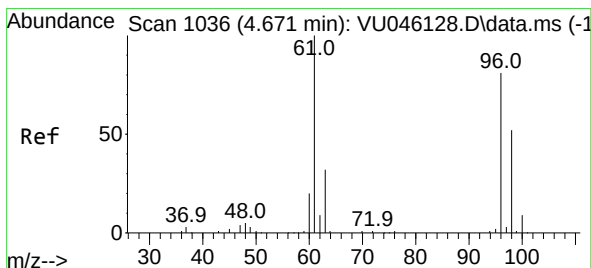
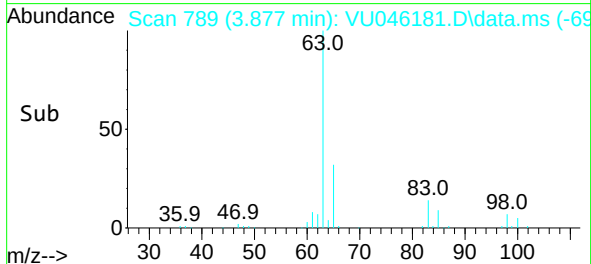
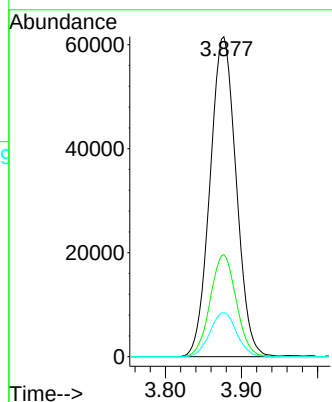
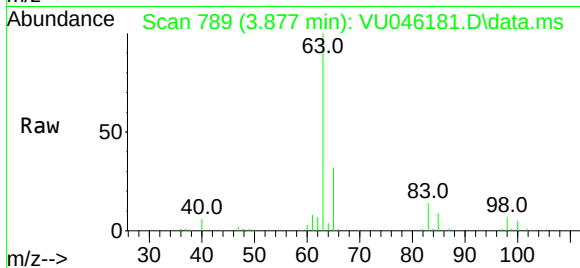
Tgt Ion: 63 Resp: 147027

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 53.299 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

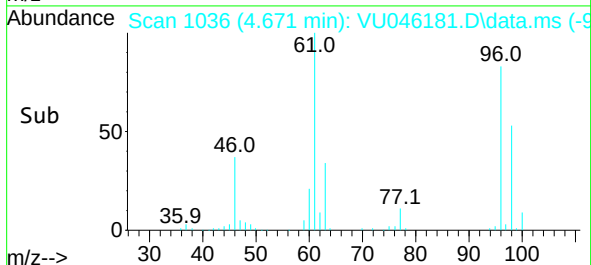
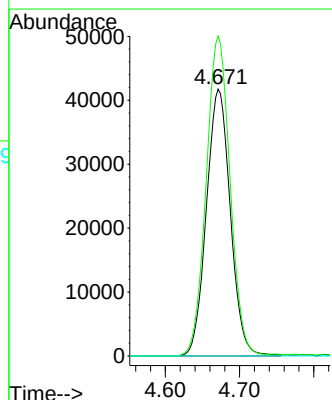
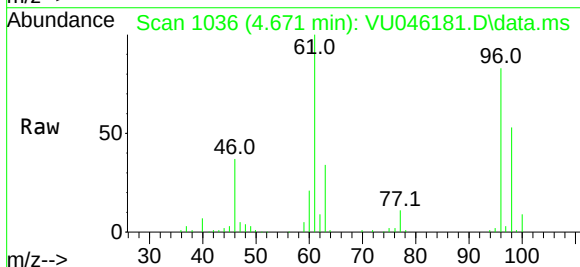
Tgt Ion: 96 Resp: 93516

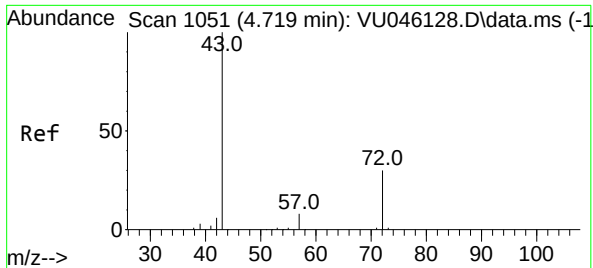
Ion Ratio Lower Upper

96 100

61 119.9 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.966 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

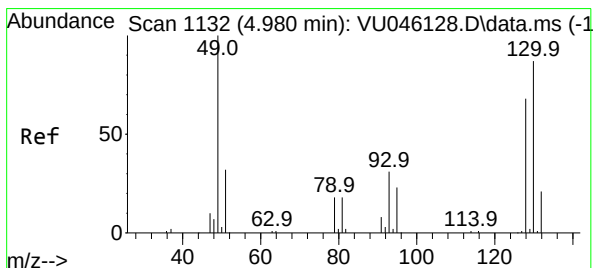
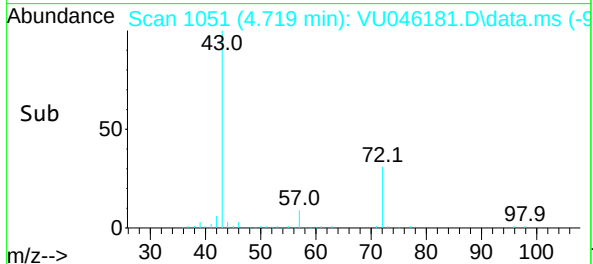
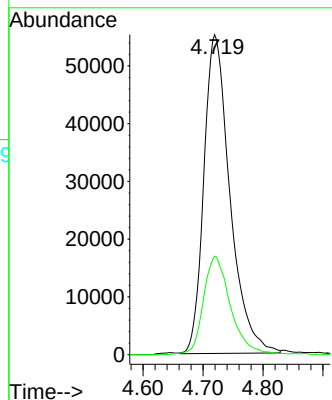
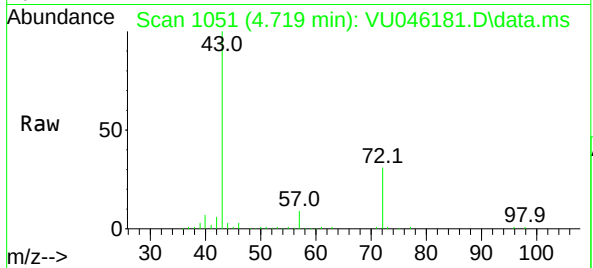
ClientSampleId :

Tgt Ion: 43 Resp: 167280

Ion Ratio Lower Upper

43 100

72 32.0 14.5 43.6



#23

Bromochloromethane

Concen: 52.790 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Tgt Ion: 128 Resp: 46780

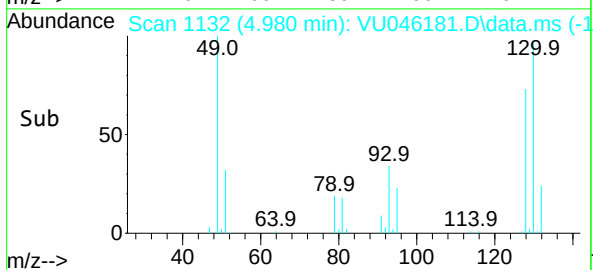
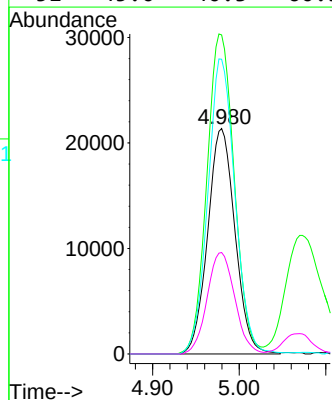
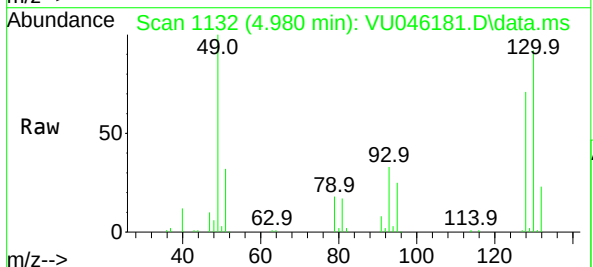
Ion Ratio Lower Upper

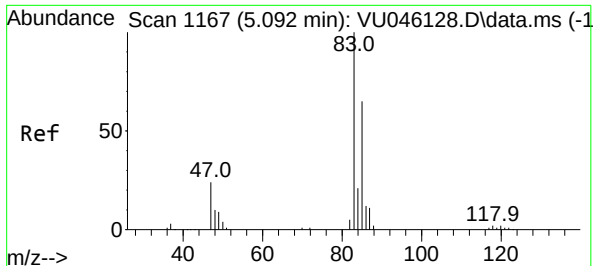
128 100

49 141.5 115.9 215.3

130 130.8 91.8 170.4

51 45.0 40.3 60.5





#25

Chloroform

Concen: 47.782 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

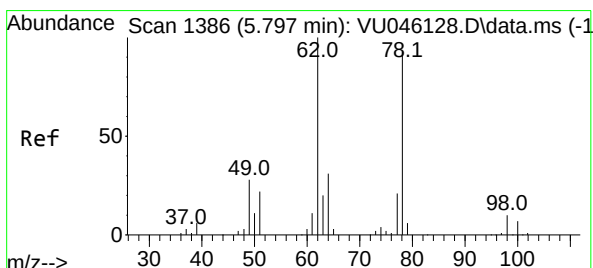
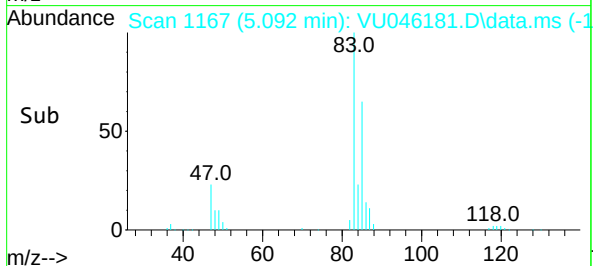
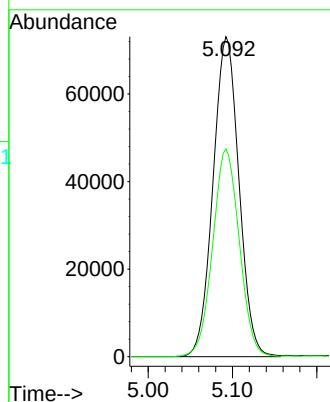
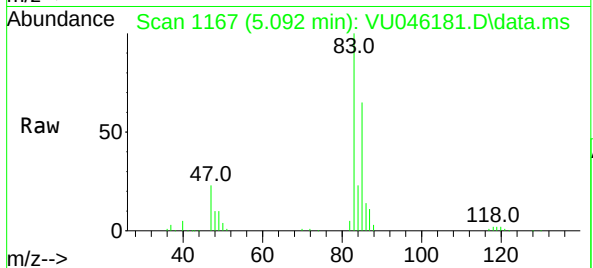
ClientSampleId :

Tgt Ion: 83 Resp: 156085

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 48.200 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046181.D

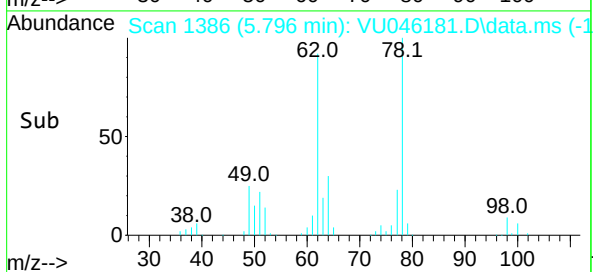
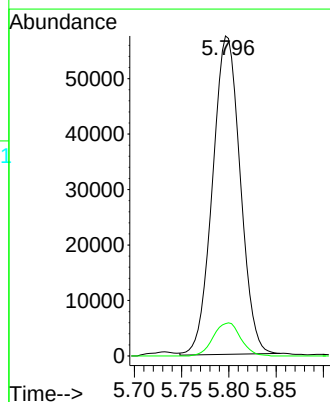
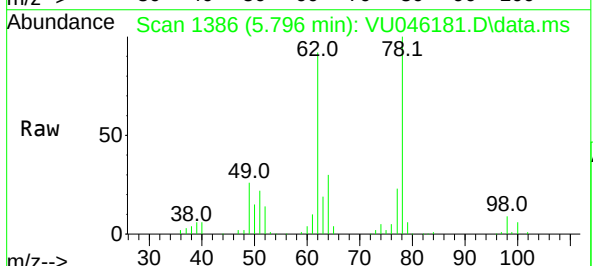
Acq: 08 Dec 2021 17:19

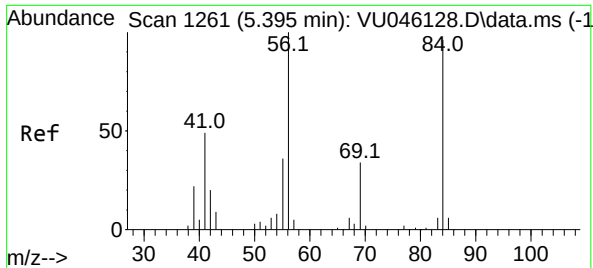
Tgt Ion: 62 Resp: 116838

Ion Ratio Lower Upper

62 100

98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 51.041 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

ClientSampleId :

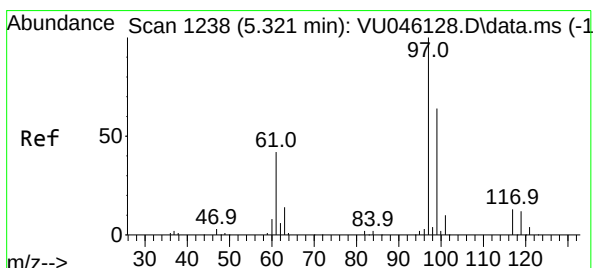
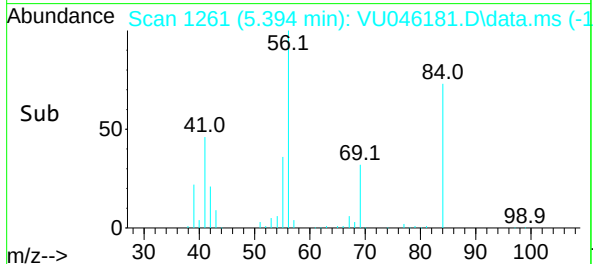
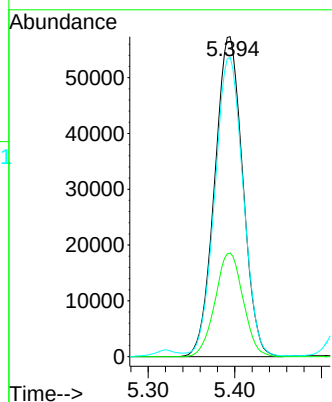
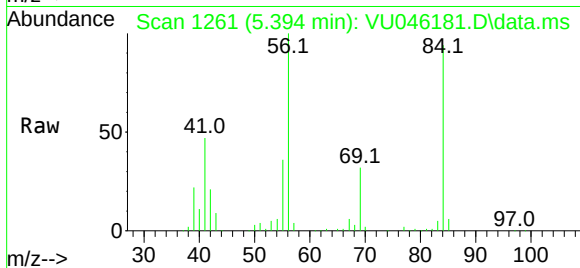
Tgt Ion: 56 Resp: 128979

Ion Ratio Lower Upper

56 100

69 32.3 25.2 37.8

84 94.1 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 51.629 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

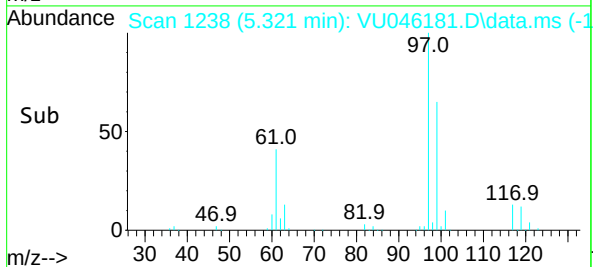
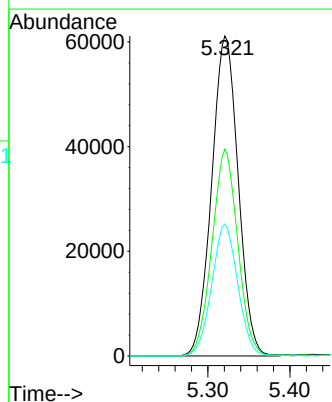
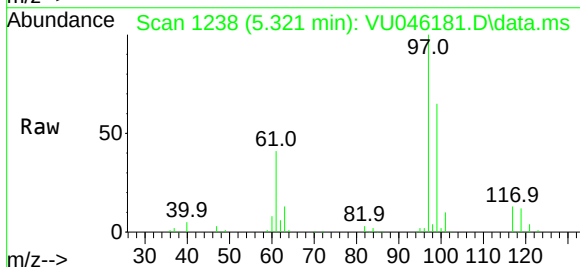
Tgt Ion: 97 Resp: 137531

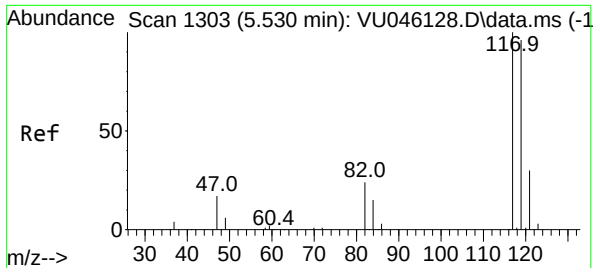
Ion Ratio Lower Upper

97 100

99 62.8 51.8 77.6

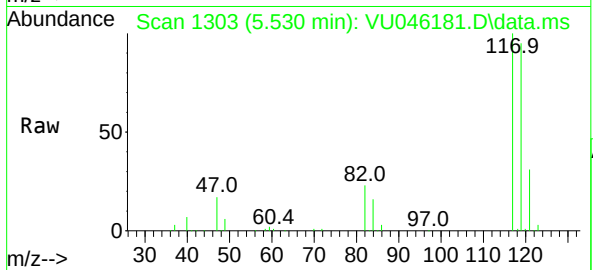
61 40.4 34.4 51.6



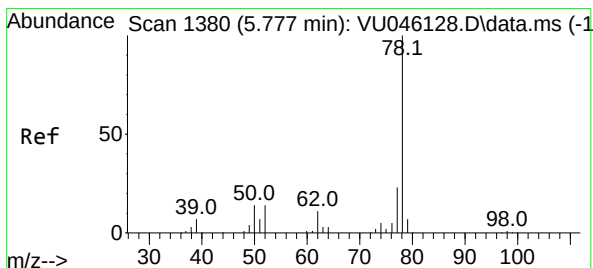
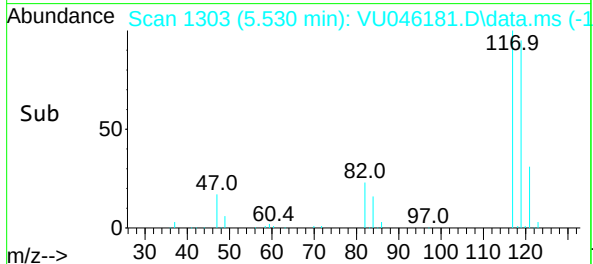
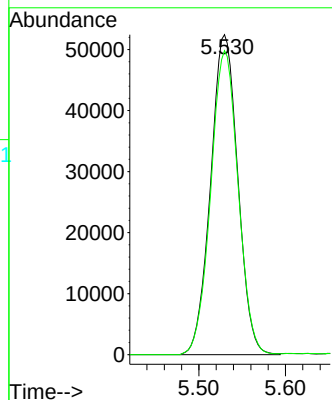


#31  
Carbon tetrachloride  
Concen: 50.550 ug/L  
RT: 5.530 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Instrument :  
MSVOA\_U  
ClientSampleId :

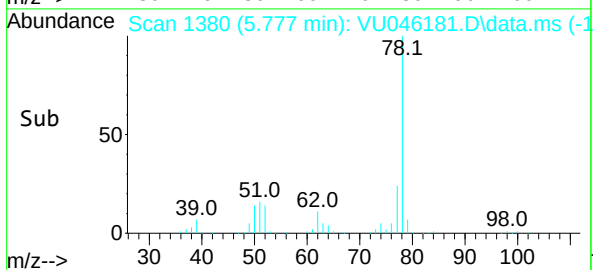
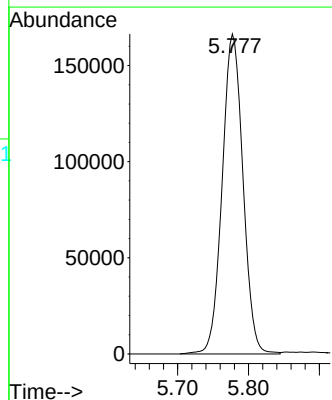
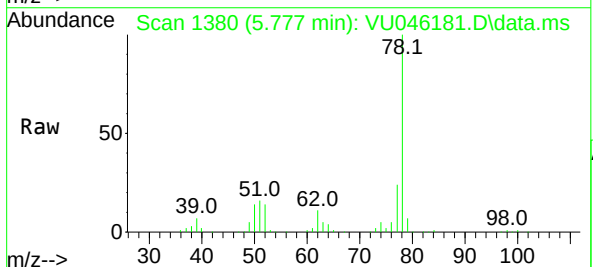


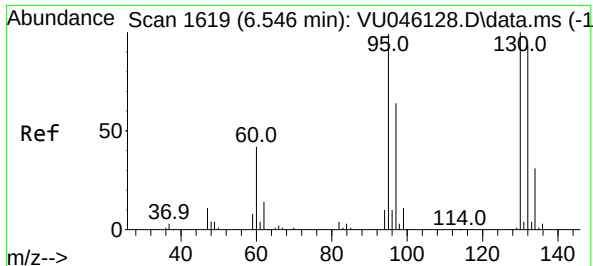
Tgt Ion:117 Resp: 114319  
Ion Ratio Lower Upper  
117 100  
119 95.8 75.7 113.5



#33  
Benzene  
Concen: 51.638 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

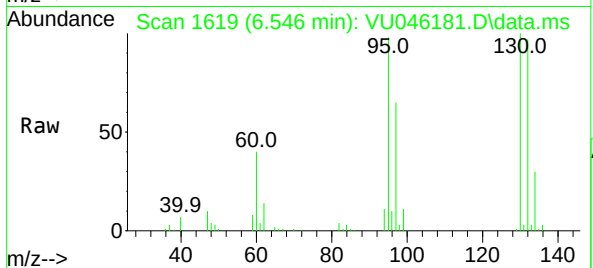
Tgt Ion: 78 Resp: 339167



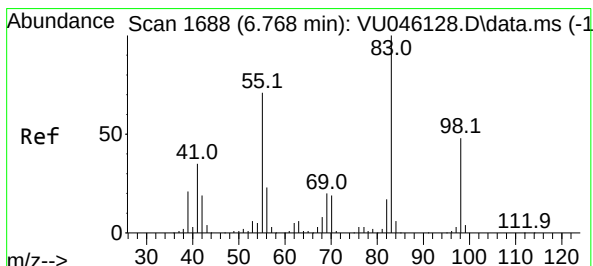
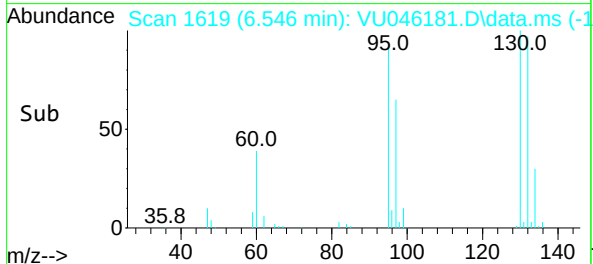
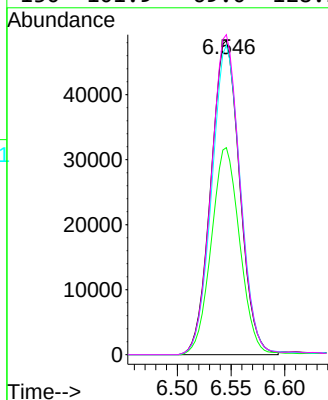


#34  
Trichloroethene  
Concen: 51.957 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Instrument :  
MSVOA\_U  
ClientSampleId :

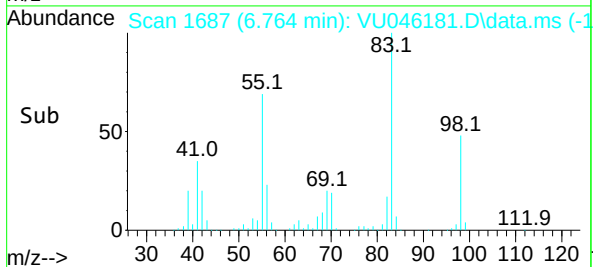
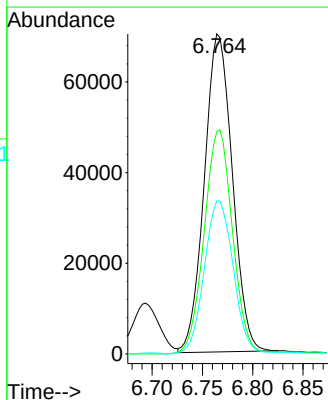
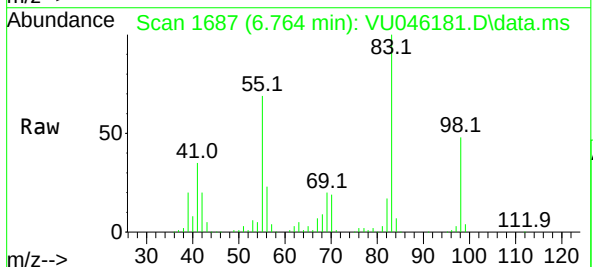


Tgt Ion: 95 Resp: 89902  
Ion Ratio Lower Upper  
95 100  
97 65.9 44.1 81.9  
132 98.5 66.8 124.0  
130 101.9 69.0 128.1

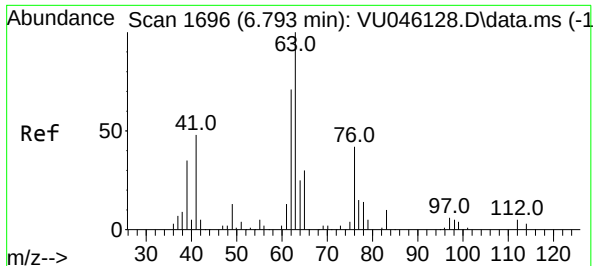


#35  
Methylcyclohexane  
Concen: 50.701 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion: 83 Resp: 136028  
Ion Ratio Lower Upper  
83 100  
55 71.1 57.8 86.6  
98 49.8 38.4 57.6







#37

1,2-Dichloropropane

Concen: 50.735 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

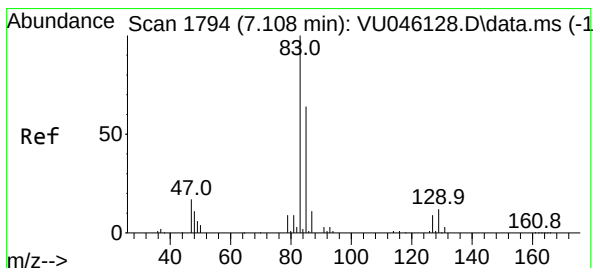
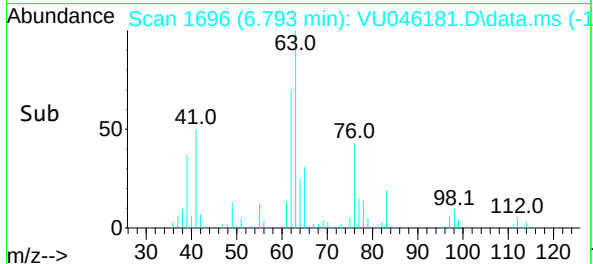
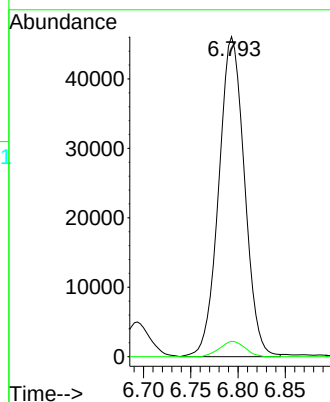
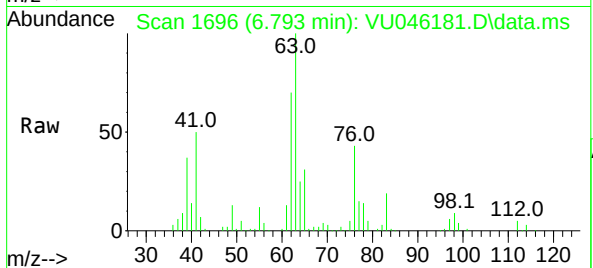
ClientSampleId :

Tgt Ion: 63 Resp: 87294

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 49.876 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

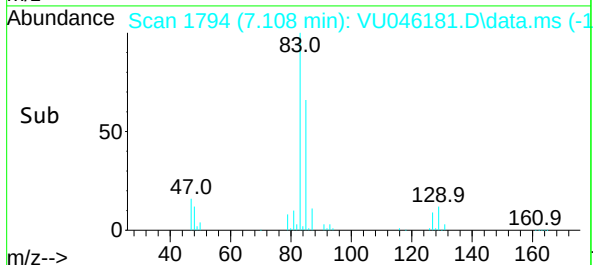
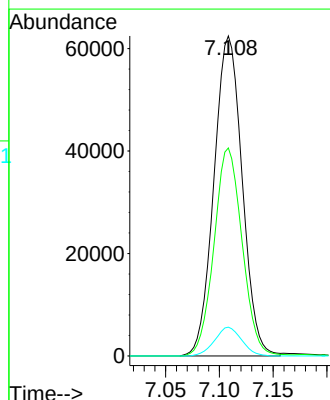
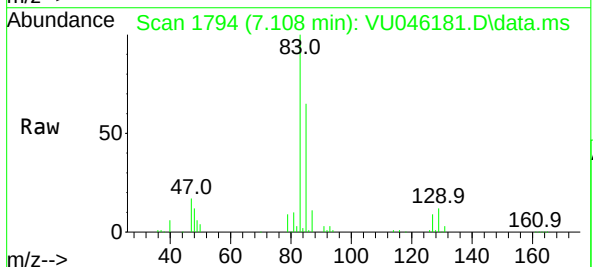
Tgt Ion: 83 Resp: 114062

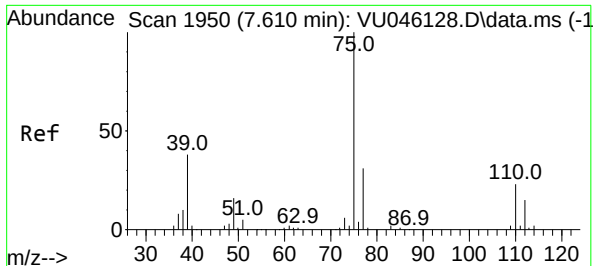
Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 55.228 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

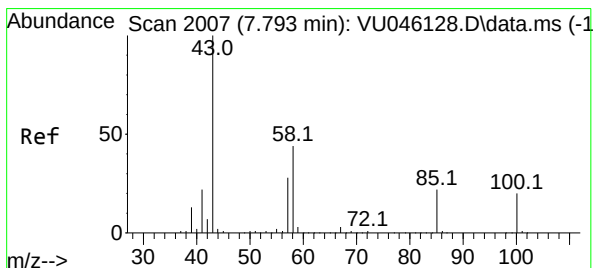
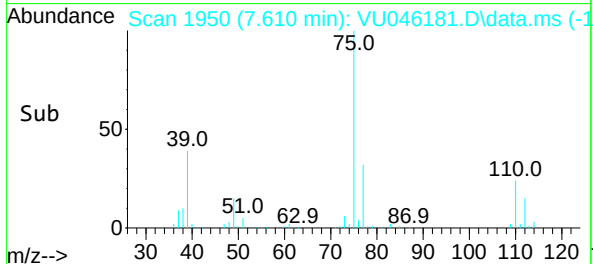
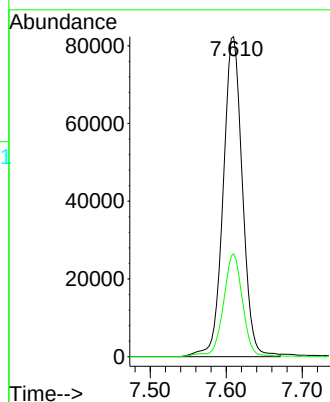
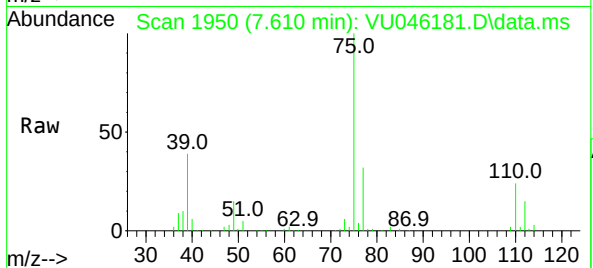
ClientSampleId :

Tgt Ion: 75 Resp: 144559

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 106.713 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

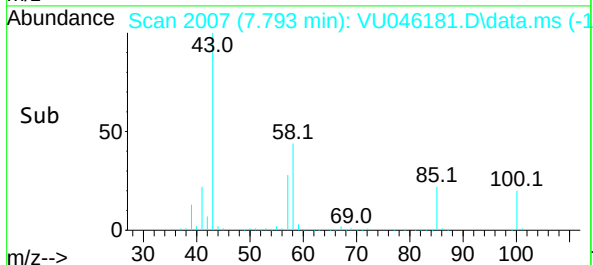
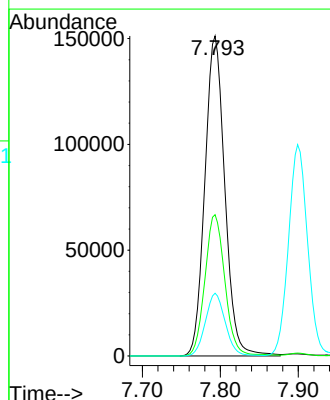
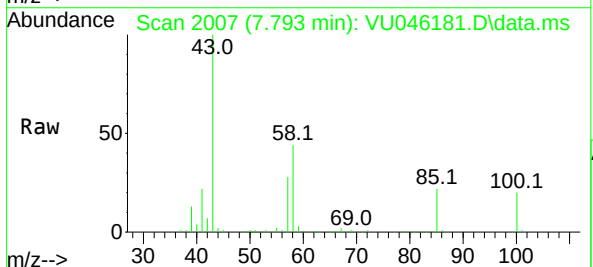
Tgt Ion: 43 Resp: 269764

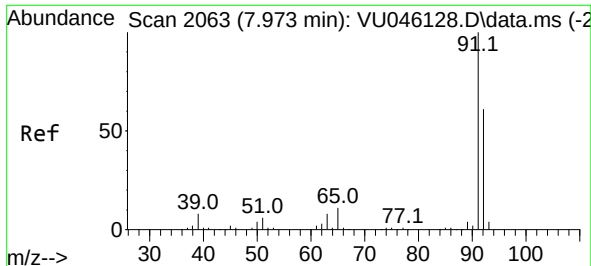
Ion Ratio Lower Upper

43 100

58 44.3 34.2 51.4

100 19.5 14.5 21.7





#42

Toluene

Concen: 52.993 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

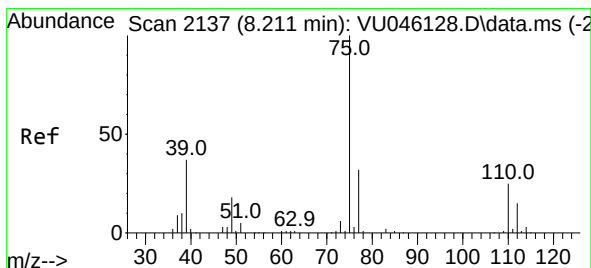
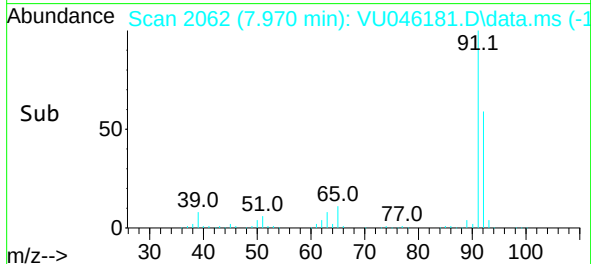
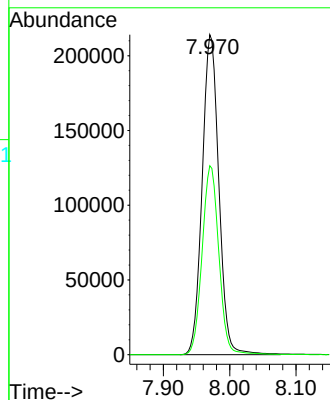
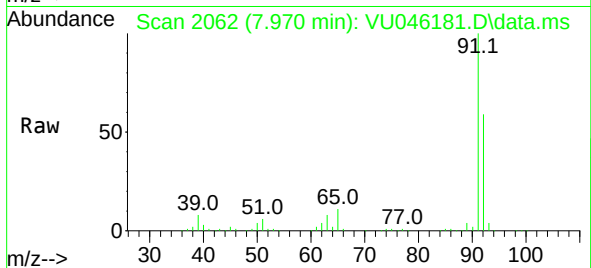
ClientSampleId :

Tgt Ion: 91 Resp: 373485

Ion Ratio Lower Upper

91 100

92 59.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 53.578 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046181.D

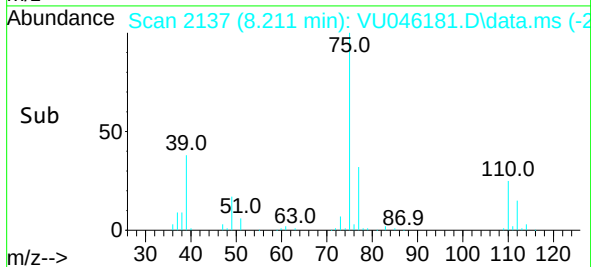
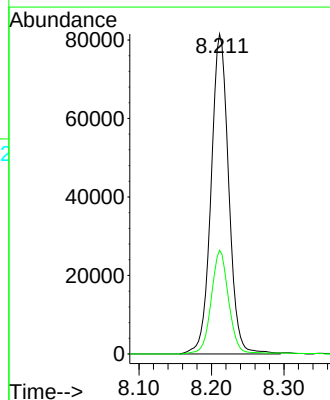
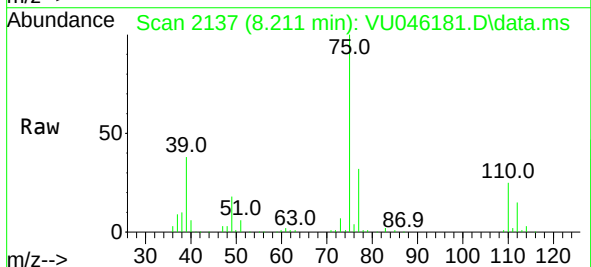
Acq: 08 Dec 2021 17:19

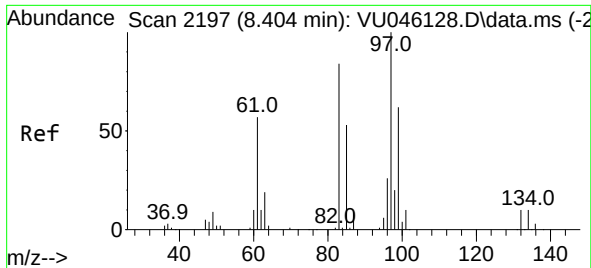
Tgt Ion: 75 Resp: 137738

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



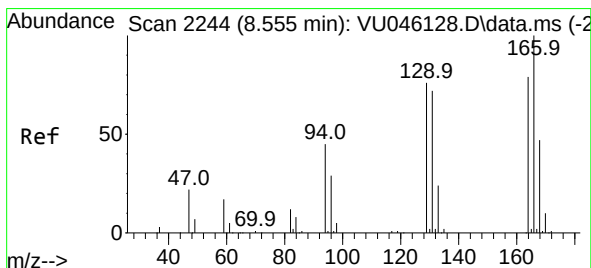
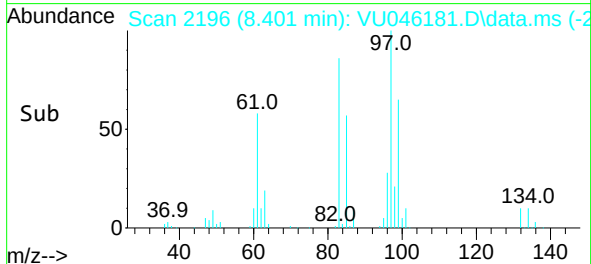
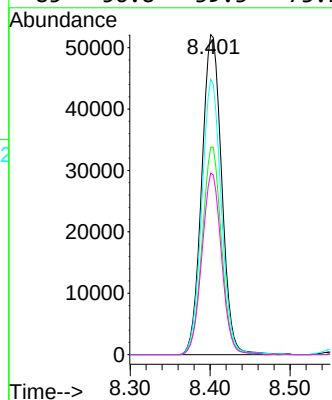
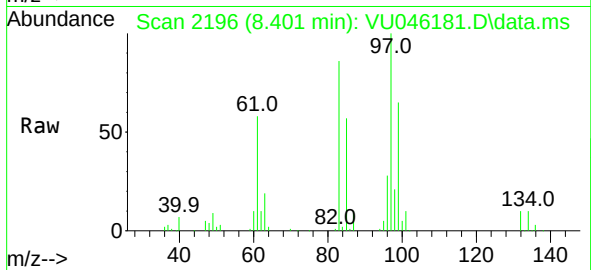


#45  
1,1,2-Trichloroethane  
Concen: 52.400 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 90451

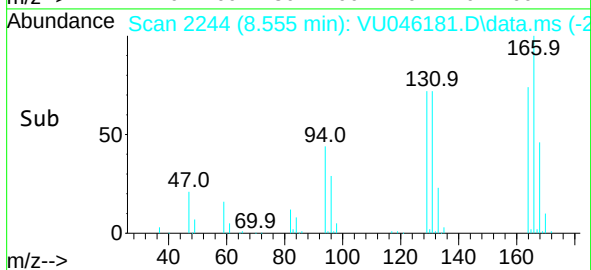
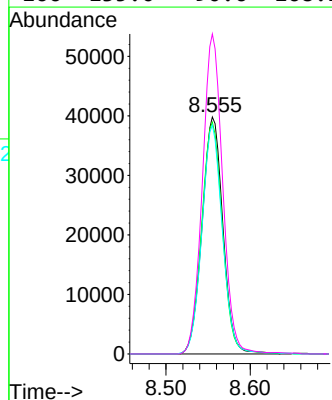
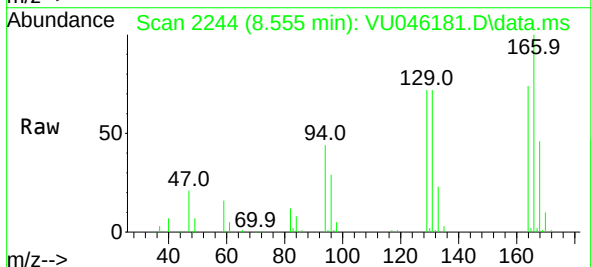
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.9  | 44.7  | 82.9  |
| 83  | 86.0  | 60.2  | 111.8 |
| 85  | 56.8  | 39.3  | 73.1  |

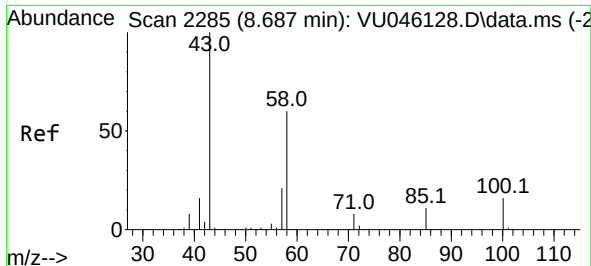


#46  
Tetrachloroethene  
Concen: 53.862 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion: 164 Resp: 68490

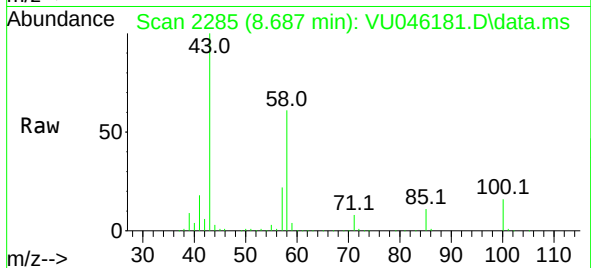
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.8  | 71.1  | 132.1 |
| 131 | 96.6  | 67.8  | 126.0 |
| 166 | 135.0 | 90.6  | 168.2 |



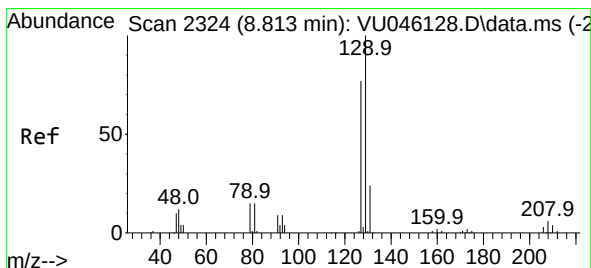
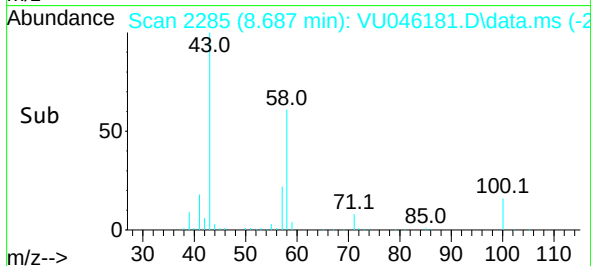
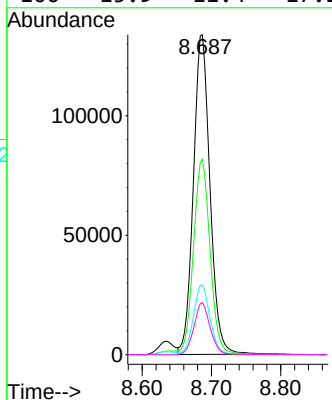


#48  
2-Hexanone  
Concen: 98.792 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Instrument :  
MSVOA\_U  
ClientSampleId :

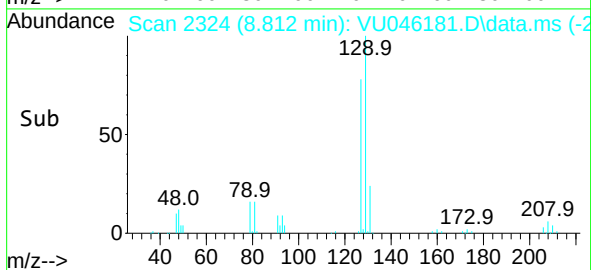
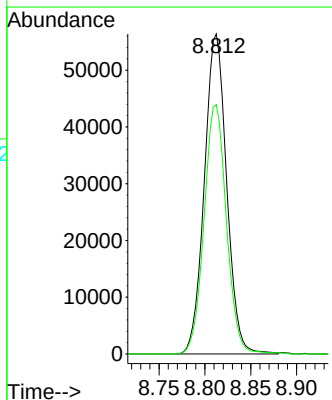
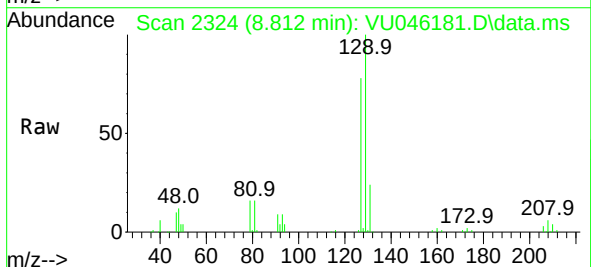


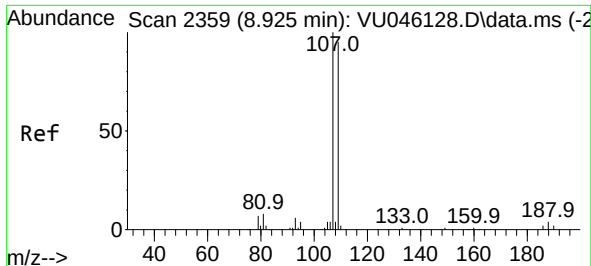
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 223350 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 61.0  | 47.4  | 71.2   |
| 57       | 21.9  | 16.6  | 25.0   |
| 100      | 15.9  | 11.4  | 17.2   |



#49  
Dibromochloromethane  
Concen: 52.672 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 95477 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 77.9  | 55.6  | 103.4 |





#50

1,2-Dibromoethane

Concen: 53.284 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046181.D

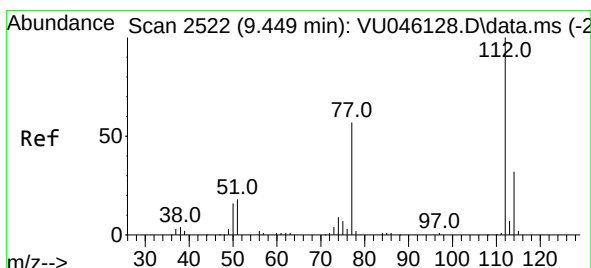
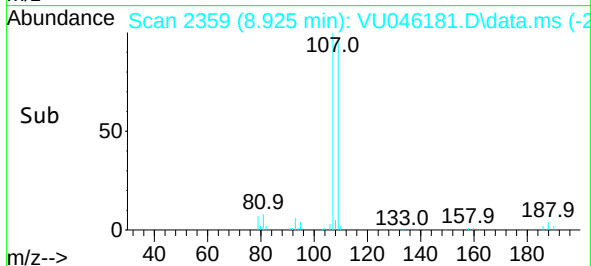
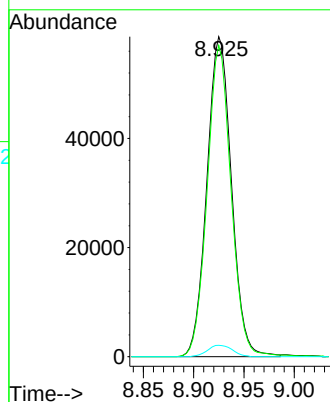
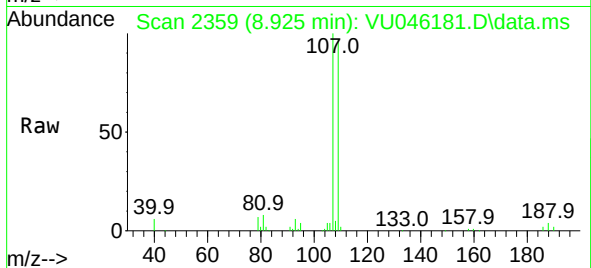
Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 99719      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 97.3  | 64.9 120.5 |
| 188         | 3.6   | 2.6 3.8    |



#51

Chlorobenzene

Concen: 52.992 ug/L

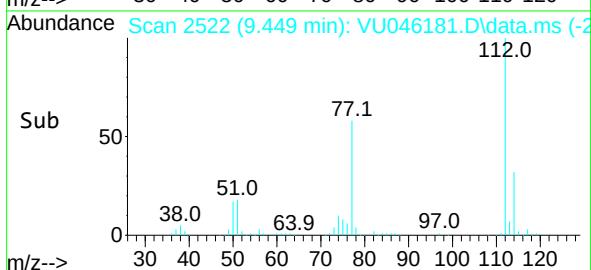
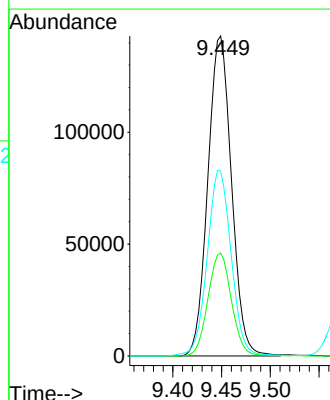
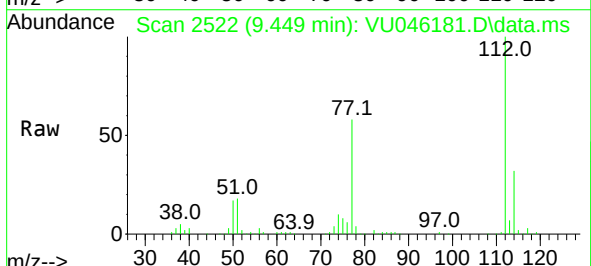
RT: 9.449 min Scan# 2522

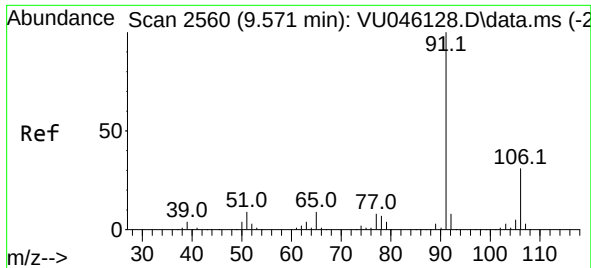
Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 241623    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 32.1  | 22.2 41.2 |
| 77          | 57.8  | 47.4 71.0 |

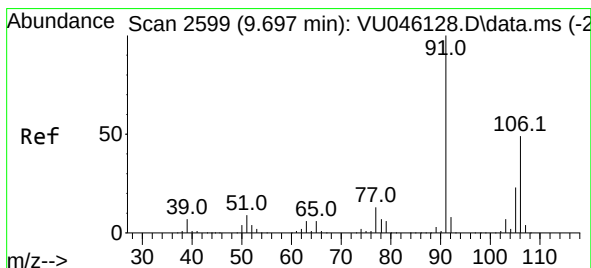
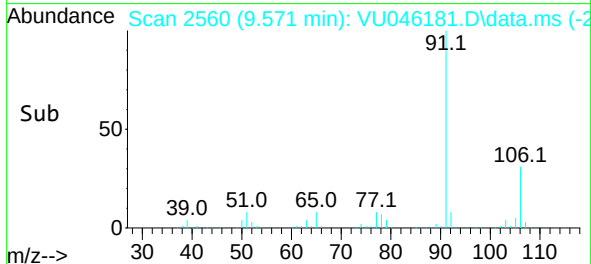
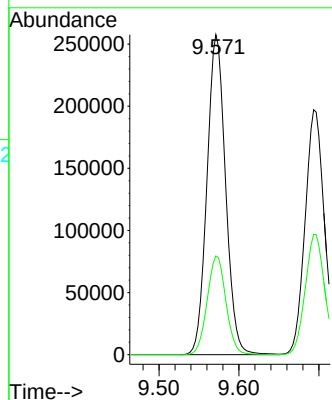
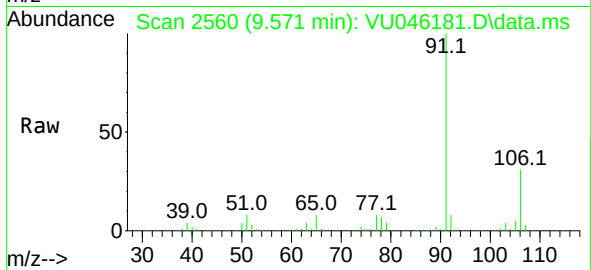




#52  
Ethylbenzene  
Concen: 54.978 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

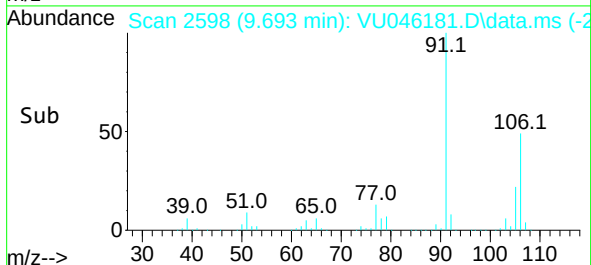
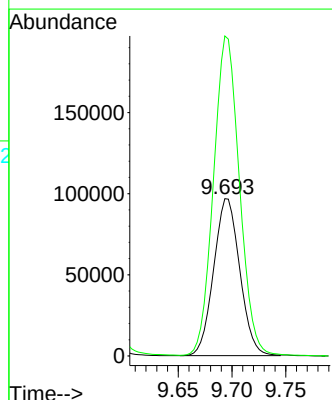
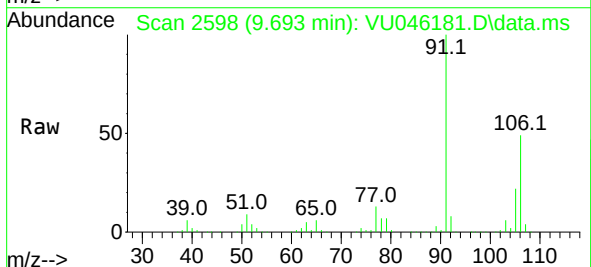
Instrument :  
MSVOA\_U  
ClientSampleId :

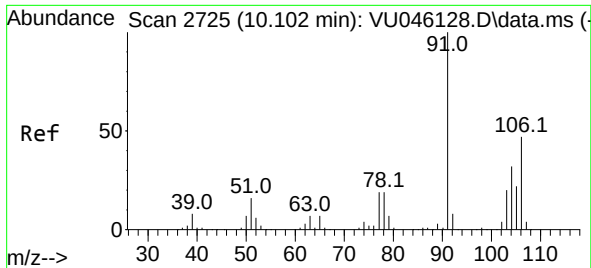
Tgt Ion: 91 Resp: 417007  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.1 39.3



#53  
m,p-Xylene  
Concen: 55.283 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion: 106 Resp: 163529  
Ion Ratio Lower Upper  
106 100  
91 203.5 144.3 268.1

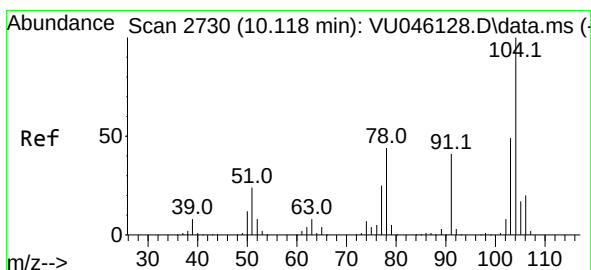
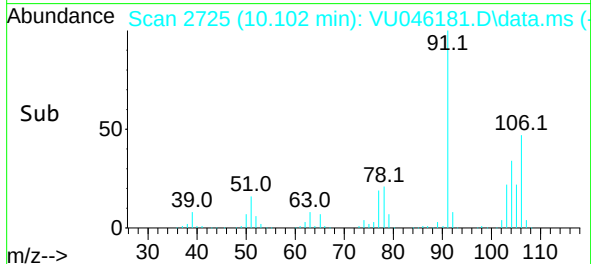
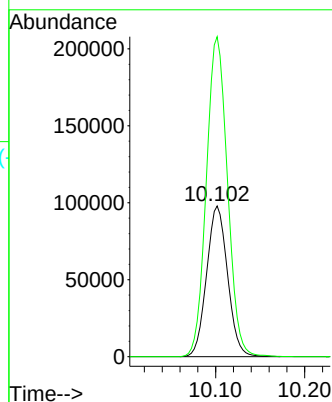
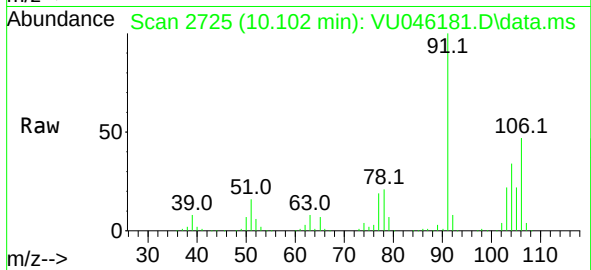




#54  
o-xylene  
Concen: 55.684 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

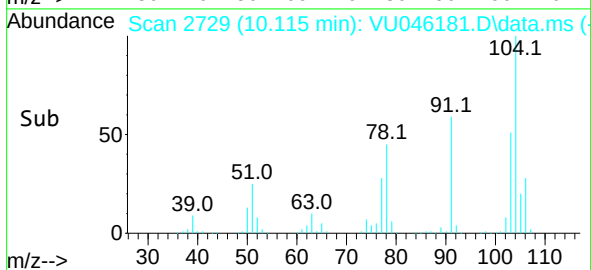
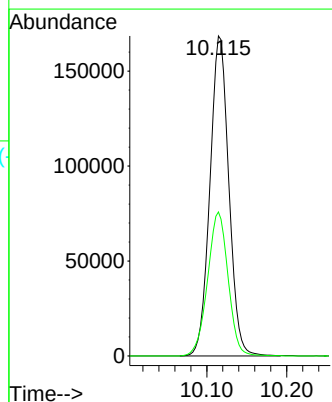
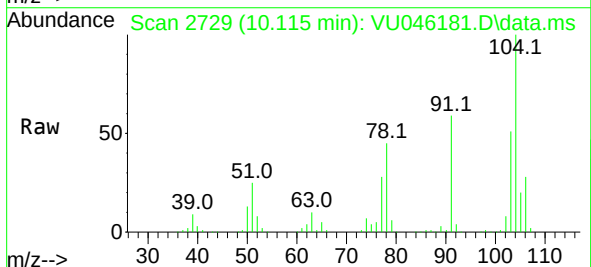
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:106 Resp: 159828  
Ion Ratio Lower Upper  
106 100  
91 212.4 154.2 286.4

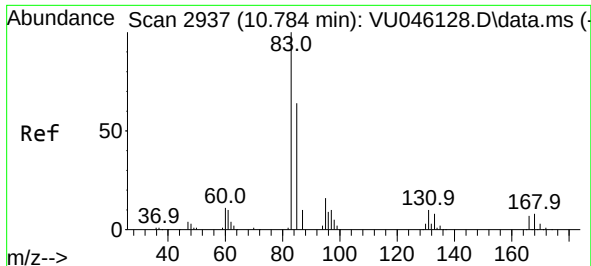


#55  
Styrene  
Concen: 56.520 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion:104 Resp: 276968  
Ion Ratio Lower Upper  
104 100  
78 45.0 32.6 60.5



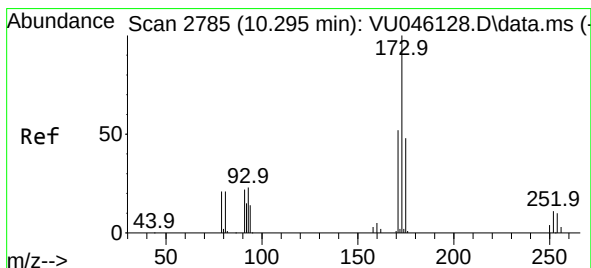
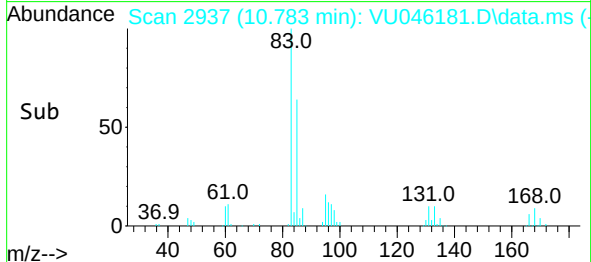
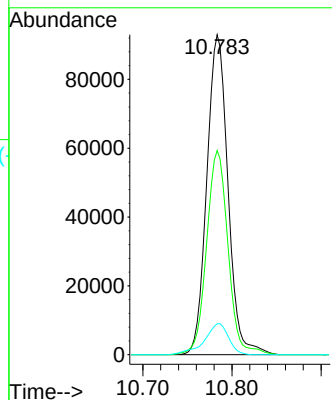
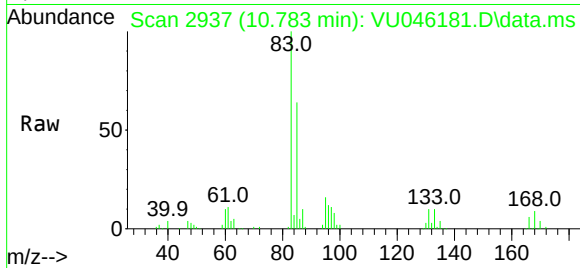




#57  
1,1,2,2-Tetrachloroethane  
Concen: 51.815 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

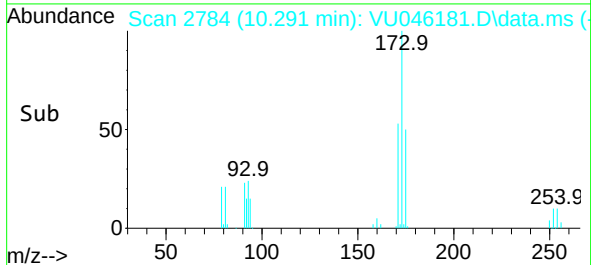
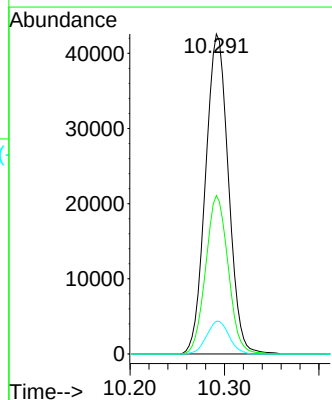
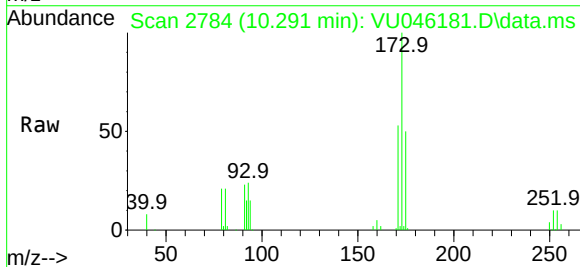
Instrument :  
MSVOA\_U  
ClientSampleId :

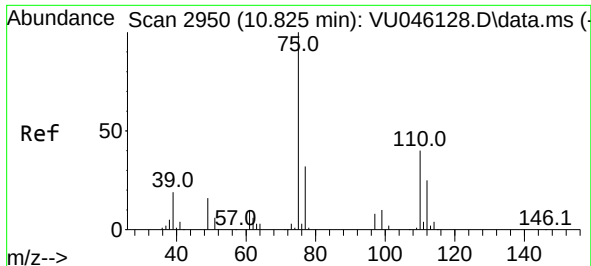
Tgt Ion: 83 Resp: 153343  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.6 84.6  
131 9.7 7.8 11.6



#59  
Bromoform  
Concen: 51.388 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

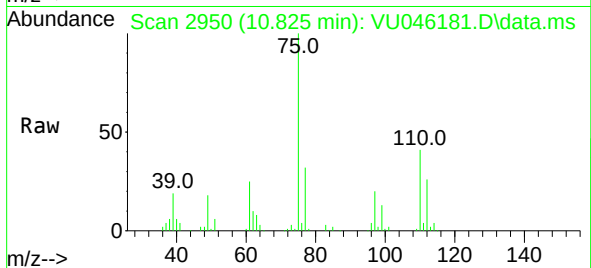
Tgt Ion:173 Resp: 71660  
Ion Ratio Lower Upper  
173 100  
175 48.6 39.2 58.8  
254 10.0 7.4 11.2



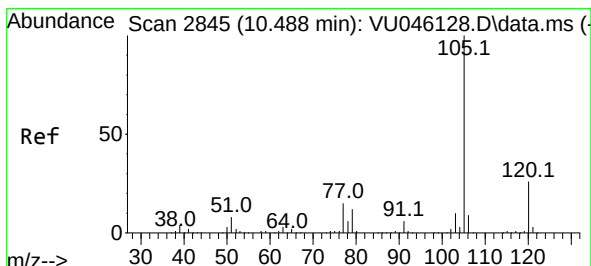
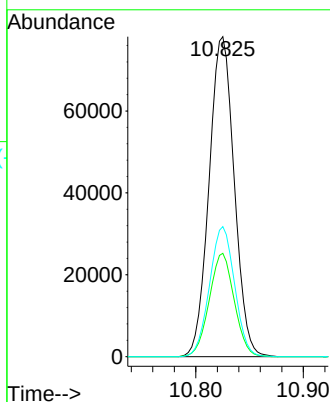
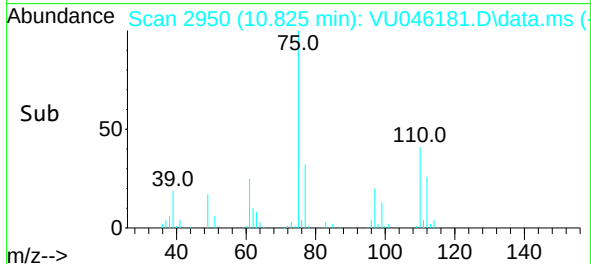


#60  
1,2,3-Trichloropropane  
Concen: 48.741 ug/L  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

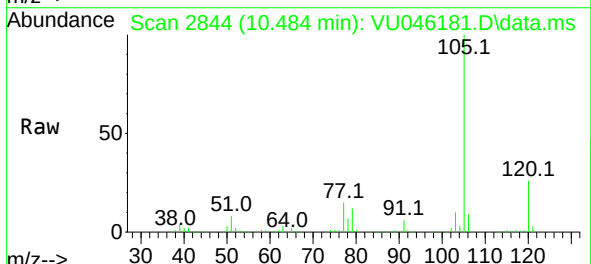
Instrument :  
MSVOA\_U  
ClientSampleId :



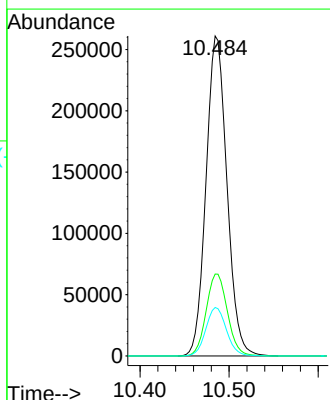
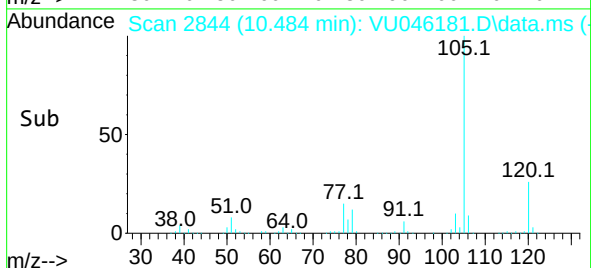
Tgt Ion: 75 Resp: 127007  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.4 39.6  
110 40.5 32.4 48.6

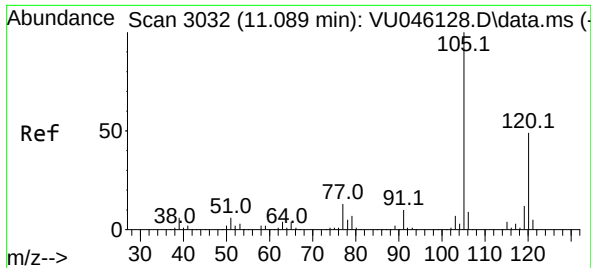


#61  
Isopropylbenzene  
Concen: 54.972 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19



Tgt Ion: 105 Resp: 425169  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.7 31.1  
77 15.0 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 56.137 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

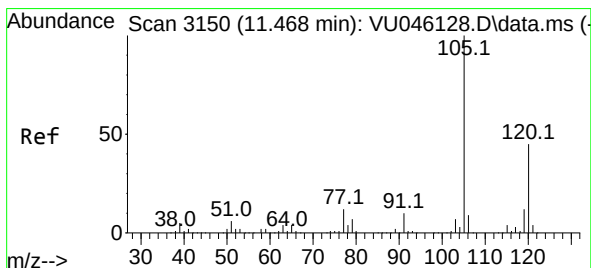
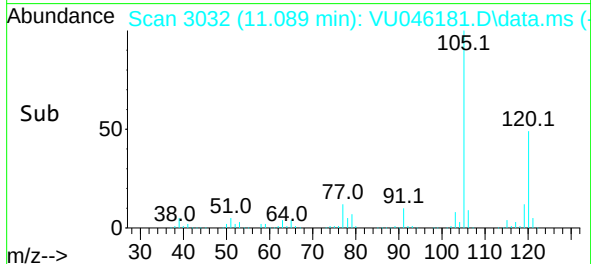
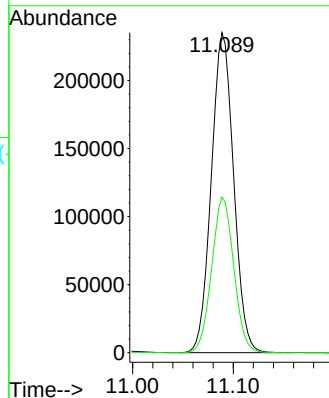
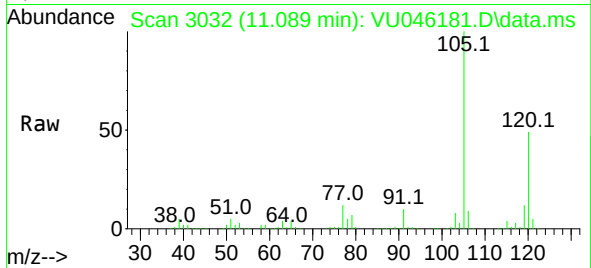
ClientSampleId :

Tgt Ion:105 Resp: 361894

Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 56.690 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046181.D

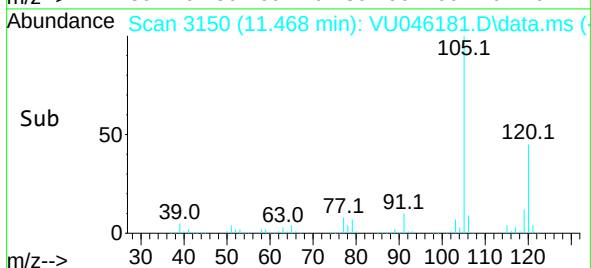
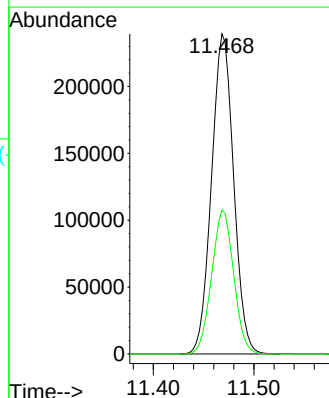
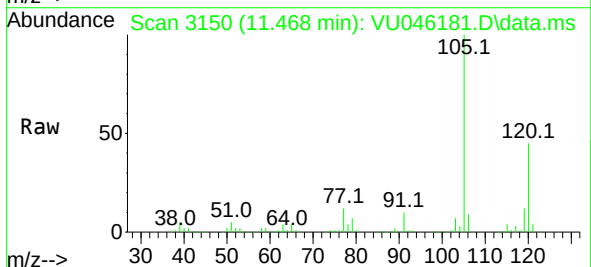
Acq: 08 Dec 2021 17:19

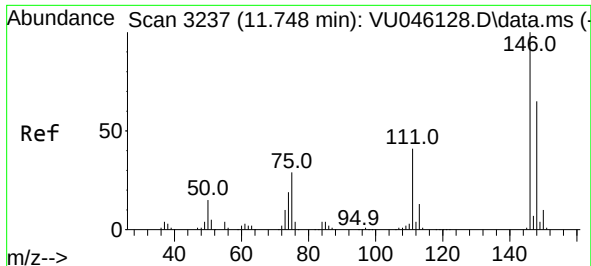
Tgt Ion:105 Resp: 365633

Ion Ratio Lower Upper

105 100

120 44.8 35.2 52.8

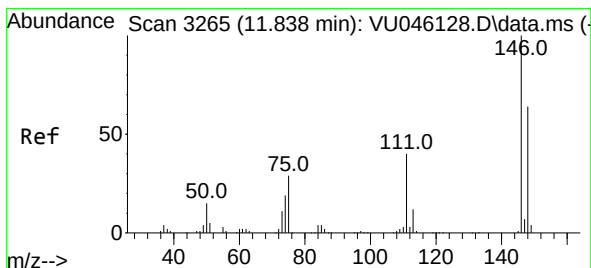
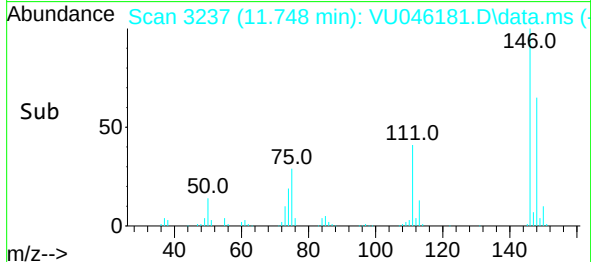
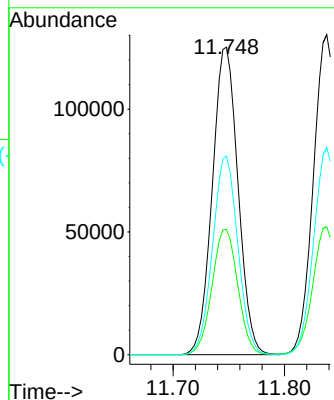
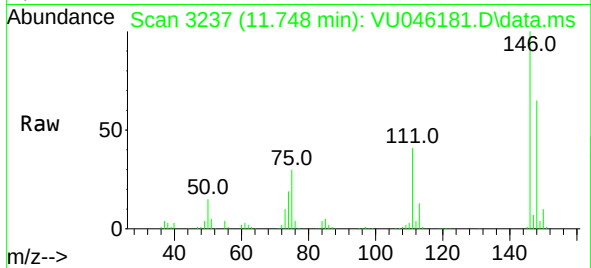




#64  
 1,3-Dichlorobenzene  
 Concen: 54.722 ug/L  
 RT: 11.748 min Scan# 3237  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

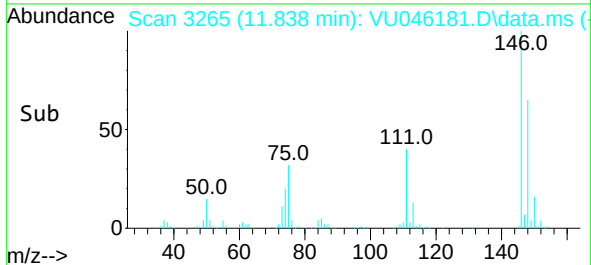
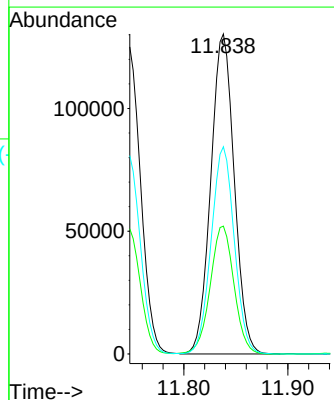
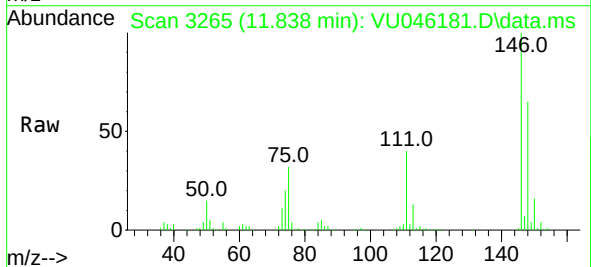
Instrument :  
 MSVOA\_U  
 ClientSampleId :

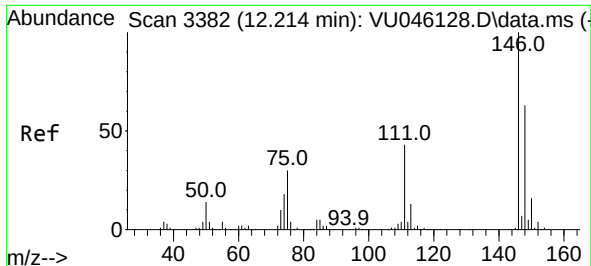
Tgt Ion:146 Resp: 201041  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 29.5 54.9  
 148 64.6 45.9 85.3



#65  
 1,4-Dichlorobenzene  
 Concen: 53.754 ug/L  
 RT: 11.838 min Scan# 3265  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

Tgt Ion:146 Resp: 204101  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 28.3 52.7  
 148 64.7 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 53.563 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

Instrument :

MSVOA\_U

ClientSampleId :

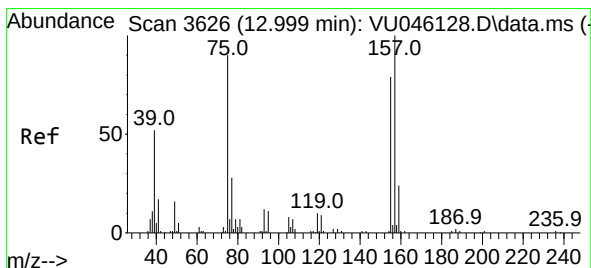
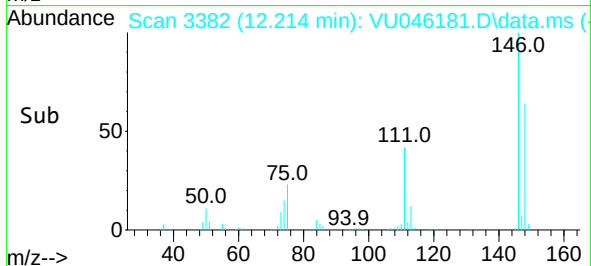
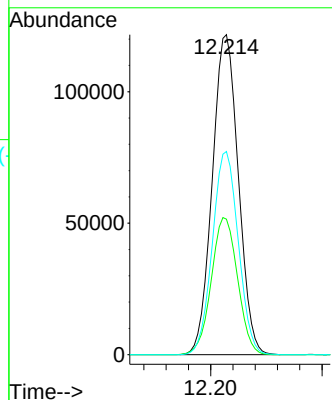
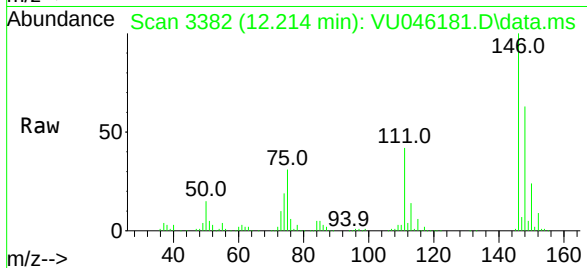
Tgt Ion:146 Resp: 198167

Ion Ratio Lower Upper

146 100

111 42.3 35.7 53.5

148 63.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.433 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046181.D

Acq: 08 Dec 2021 17:19

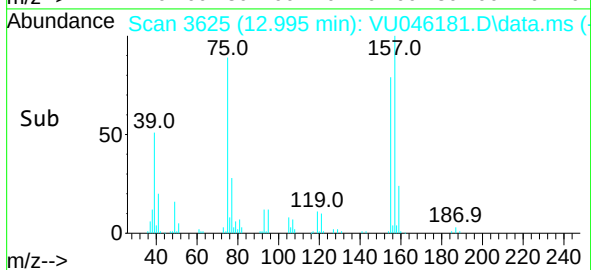
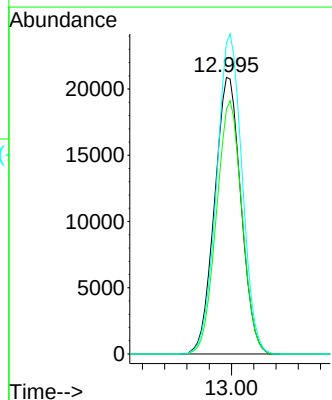
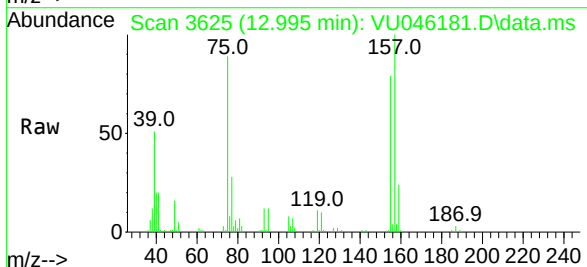
Tgt Ion: 75 Resp: 34315

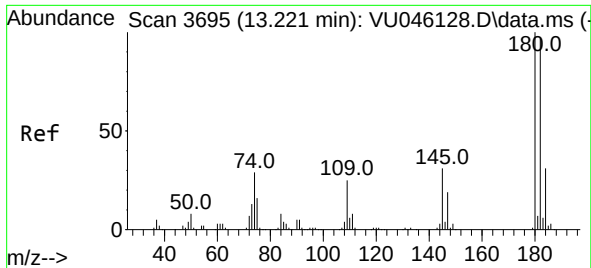
Ion Ratio Lower Upper

75 100

155 88.4 64.9 97.3

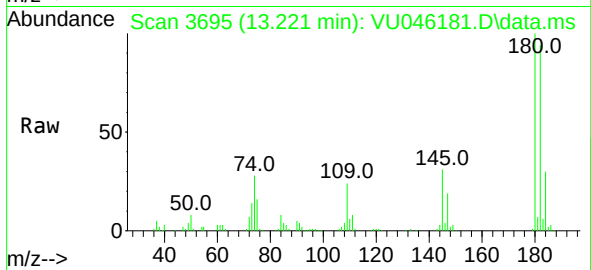
157 112.5 81.9 122.9



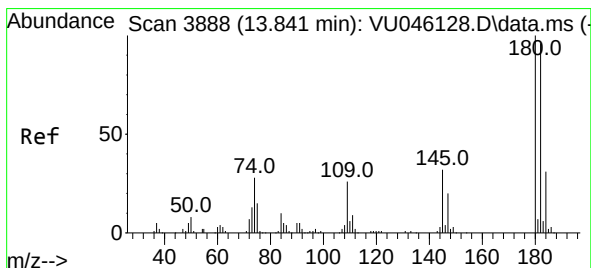
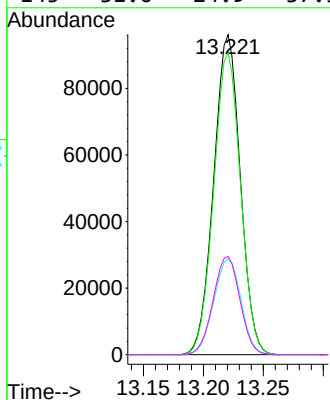
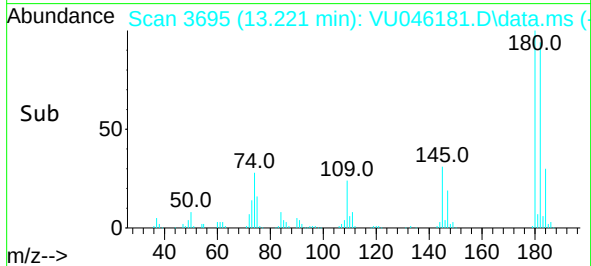


#69  
 1,3,5-Trichlorobenzene  
 Concen: 55.324 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19

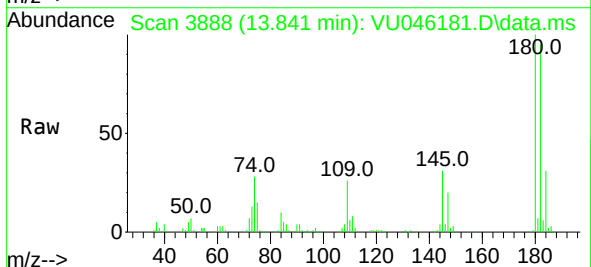
Instrument :  
 MSVOA\_U  
 ClientSampleId :



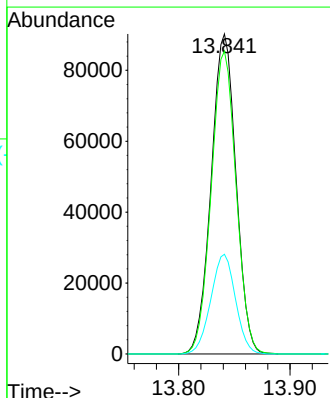
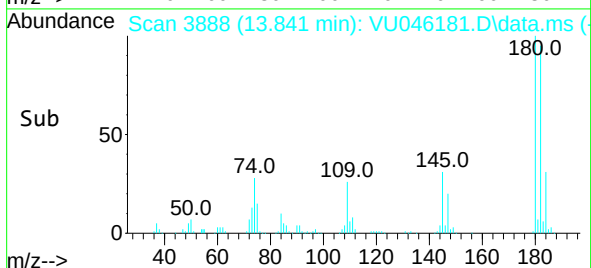
Tgt Ion:180 Resp: 148096  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 75.9 113.9  
 184 30.7 24.2 36.4  
 145 31.0 24.9 37.3

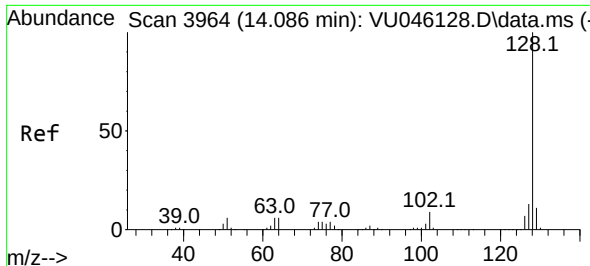


#70  
 1,2,4-trichlorobenzene  
 Concen: 58.760 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. -0.000 min  
 Lab File: VU046181.D  
 Acq: 08 Dec 2021 17:19



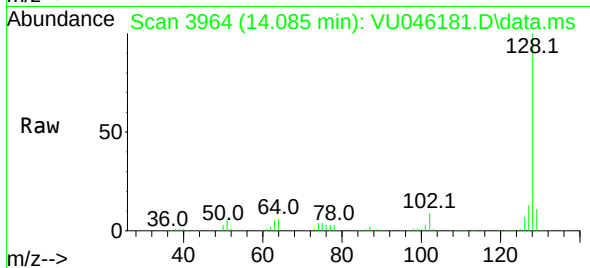
Tgt Ion:180 Resp: 139583  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 76.7 115.1  
 145 31.1 26.0 39.0



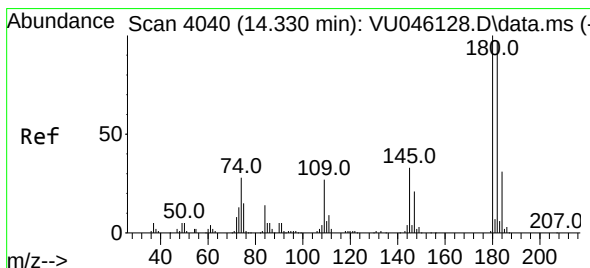
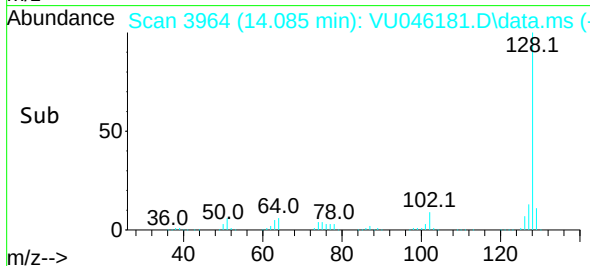
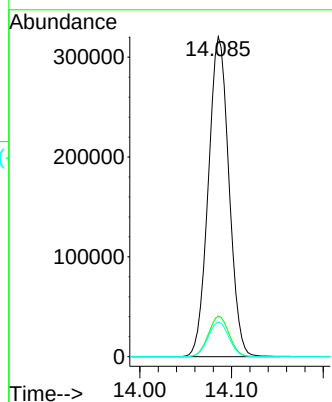


#71  
Naphthalene  
Concen: 60.670 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. -0.003 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 501514  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.1 15.1  
129 11.0 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 57.355 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU046181.D  
Acq: 08 Dec 2021 17:19

Tgt Ion:180 Resp: 138936  
Ion Ratio Lower Upper  
180 100  
182 95.2 76.0 114.0  
145 33.3 27.3 40.9

