

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072222\  
 Data File : VW026910.D  
 Acq On : 23 Jul 2022 01:00  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 23 05:00:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 582923   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 586616   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 320237   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 226631   | 46.355   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 92.720%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 185349   | 46.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.720%  |
| 11) 1,1-Dichloroethene-d2     | 2.102   | 63    | 408846   | 46.482   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.960%  |
| 21) 2-Butanone-d5             | 3.880   | 46    | 360058   | 109.260  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 109.260% |
| 24) Chloroform-d              | 4.343   | 84    | 471090   | 48.960   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.920%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 270751   | 49.193   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.380%  |
| 32) Benzene-d6                | 5.044   | 84    | 926188   | 52.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.460% |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 294878   | 51.603   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.200% |
| 41) Toluene-d8                | 7.314   | 98    | 829523   | 53.466   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.940% |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 116740   | 48.755   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 97.520%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 282730   | 113.630  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 113.630% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 443220   | 51.057   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 102.120% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 311945   | 51.923   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.840% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 263705   | 43.790   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 255278   | 45.330   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 273241   | 45.644   | ug/L   | 100      |
| 6) Bromomethane               | 1.516   | 94    | 165901   | 45.864   | ug/L   | 100      |
| 8) Chloroethane               | 1.581   | 64    | 159572   | 45.363   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.745   | 101   | 370781   | 44.941   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 209369   | 43.390   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.111   | 96    | 204187   | 45.303   | ug/L   | 96       |
| 13) Acetone                   | 2.175   | 43    | 226353   | 97.824   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.288   | 76    | 583451   | 45.371   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.429   | 43    | 250990   | 49.178   | ug/L   | 100      |
| 16) Methylene chloride        | 2.500   | 84    | 265151   | 46.151   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.754   | 96    | 221071   | 46.420   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 668947   | 50.564   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 415620   | 47.386   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905   | 96    | 246428   | 49.099   | ug/L   | 99       |
| 22) 2-Butanone                | 3.963   | 43    | 337880   | 107.065  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.243   | 128   | 135741   | 47.231   | ug/L   | 99       |
| 25) Chloroform                | 4.368   | 83    | 441310   | 47.176   | ug/L   | 99       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 23 05:00:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

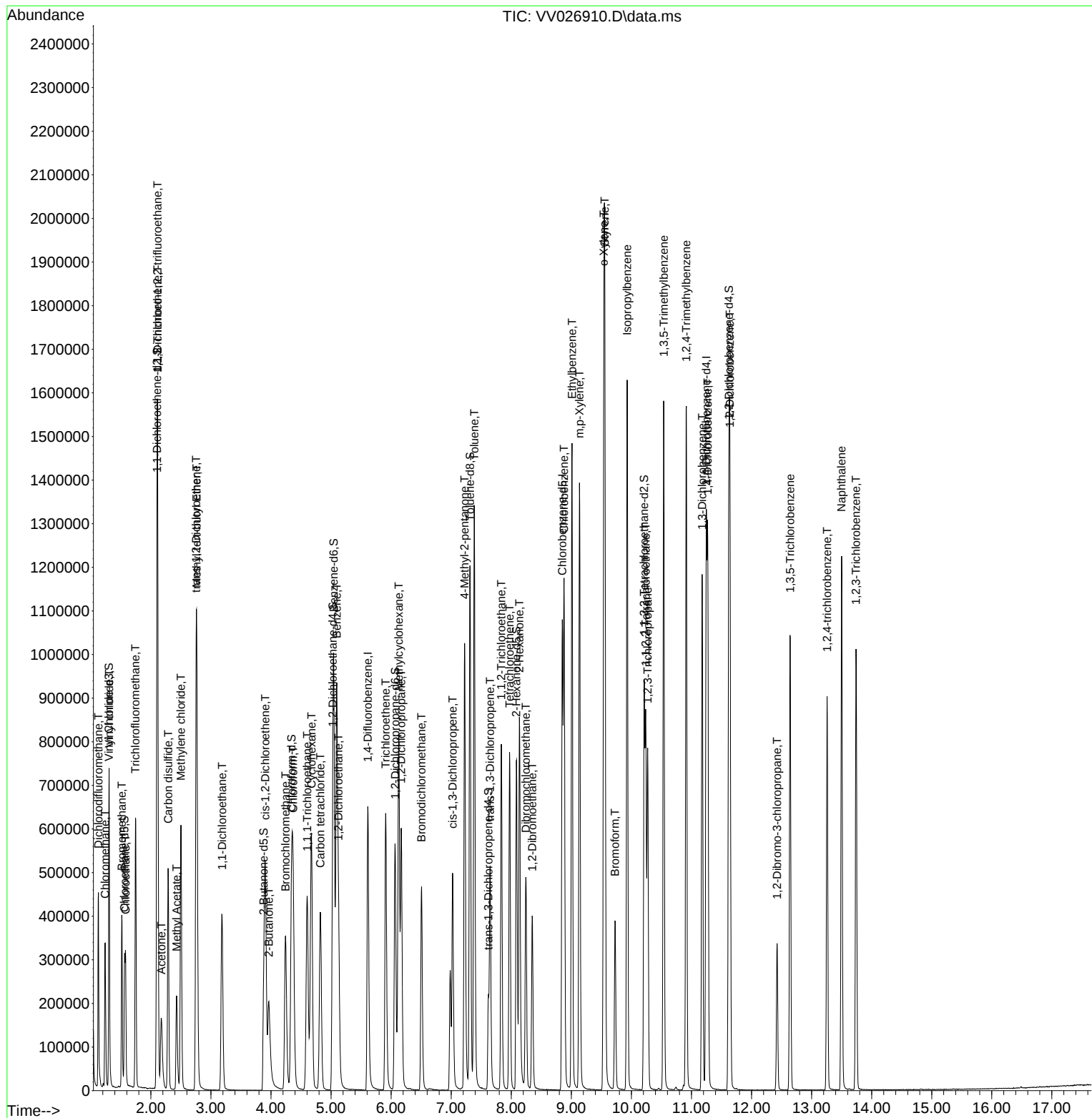
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 307666   | 46.609  | ug/L  | 100      |
| 29) Cyclohexane               | 4.674  | 56   | 308700   | 50.323  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 373475   | 48.187  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 317512   | 46.789  | ug/L  | 100      |
| 33) Benzene                   | 5.095  | 78   | 965730   | 51.191  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 229983   | 47.441  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 343785   | 47.896  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 251642   | 51.252  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 318920   | 47.921  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 318672   | 46.766  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 641060   | 109.713 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 1001814  | 52.027  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 304188   | 45.267  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 258056   | 49.353  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.973  | 164  | 177120   | 46.837  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 505759   | 111.213 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.243  | 129  | 260310   | 47.631  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 263460   | 49.248  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 647527   | 48.244  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 1019641  | 51.014  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 405340   | 51.793  | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 391837   | 51.986  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 718851   | 54.002  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 418289   | 49.558  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 174122   | 48.667  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 1012333  | 53.492  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 323392   | 50.326  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 819380   | 53.273  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 835007   | 54.124  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 481121   | 49.758  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 496314   | 48.441  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 502383   | 50.641  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 83979    | 48.916  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 317571   | 46.393  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 265813   | 46.088  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 943803   | 52.038  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 302086   | 50.212  | ug/L  | 100      |

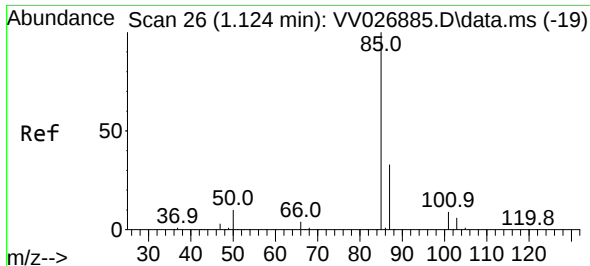
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC050EC  
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 ALS Vial : 36 Sample Multiplier: 1

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Quant Time: Jul 23 05:00:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

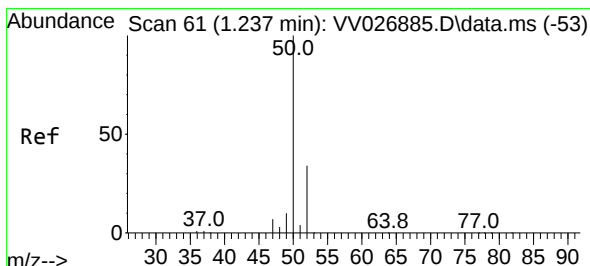
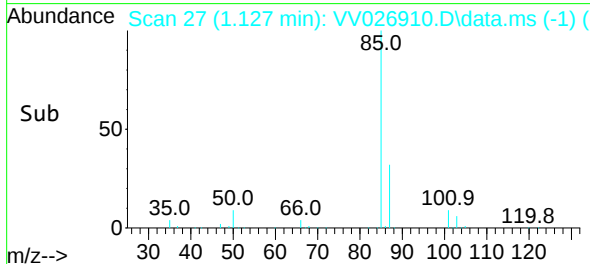
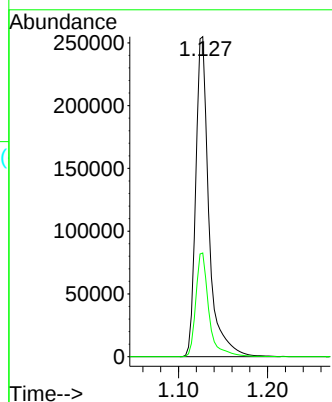
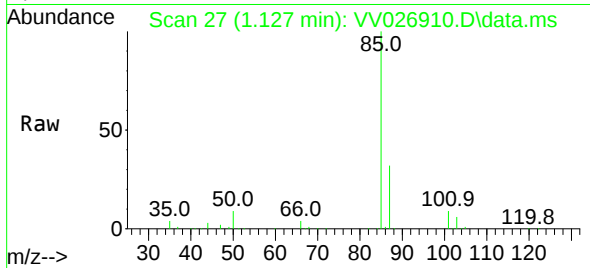




#2  
 Dichlorodifluoromethane  
 Concen: 43.790 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

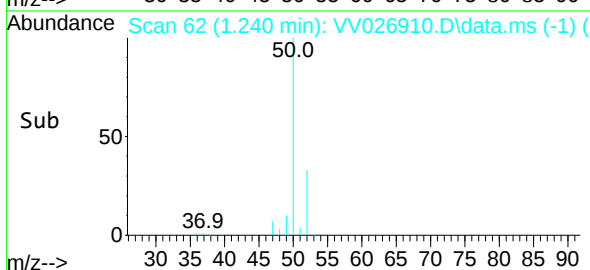
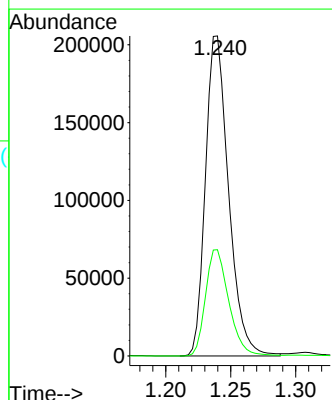
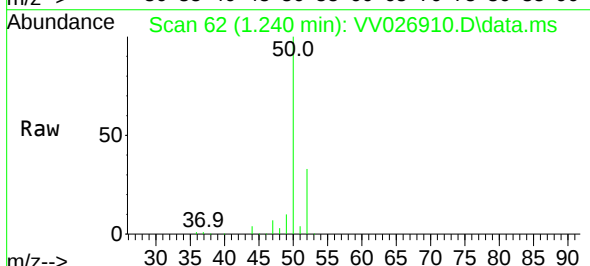
Instrument :  
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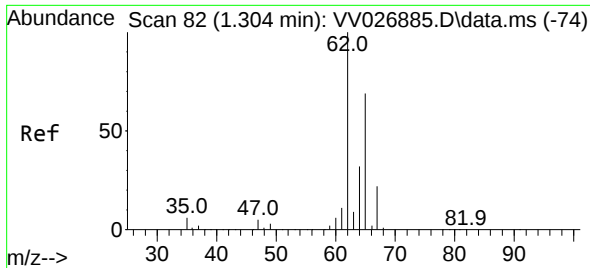
Tgt Ion: 85 Resp: 263705  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 26.1 39.1



#3  
 Chloromethane  
 Concen: 45.330 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

Tgt Ion: 50 Resp: 255278  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.1 42.9

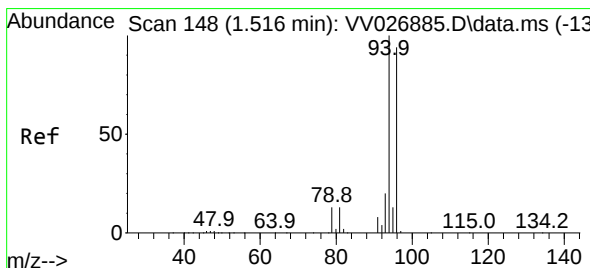
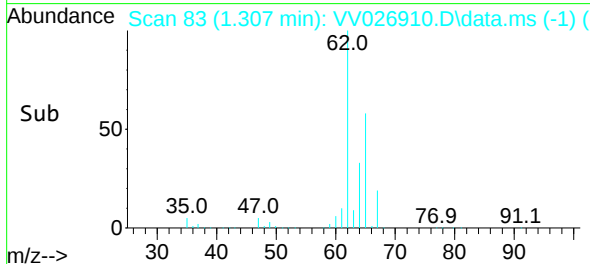
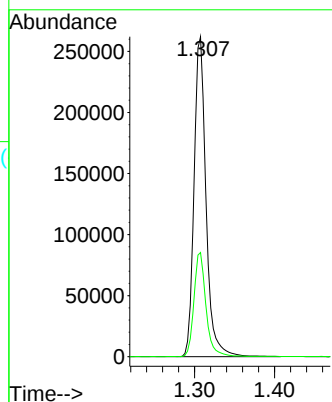
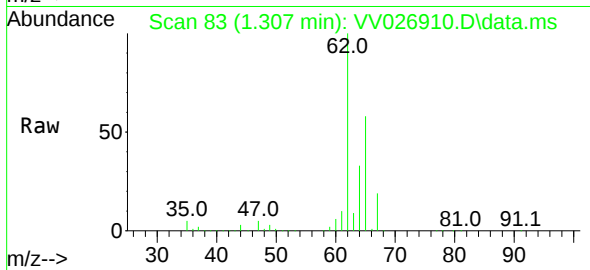




#5  
 Vinyl chloride  
 Concen: 45.644 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

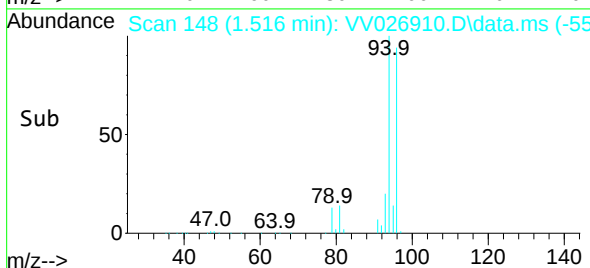
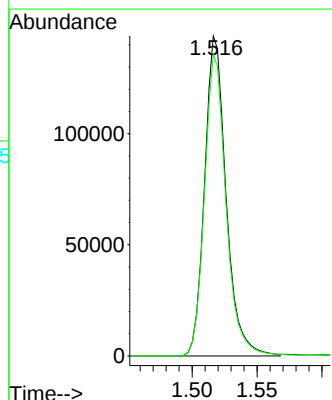
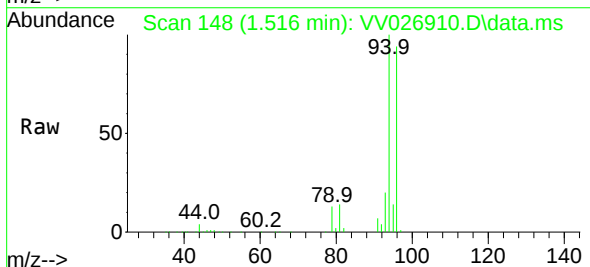
Instrument :  
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 ClientSampleId :

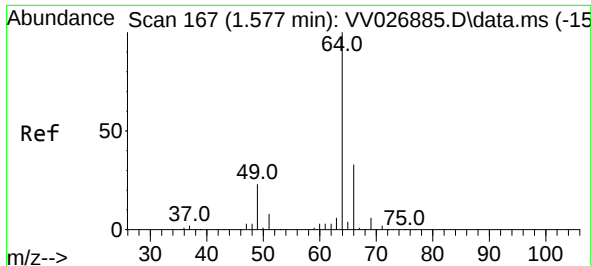
Tgt Ion: 62 Resp: 273241  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.0 42.6



#6  
 Bromomethane  
 Concen: 45.864 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

Tgt Ion: 94 Resp: 165901  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 65.8 122.2

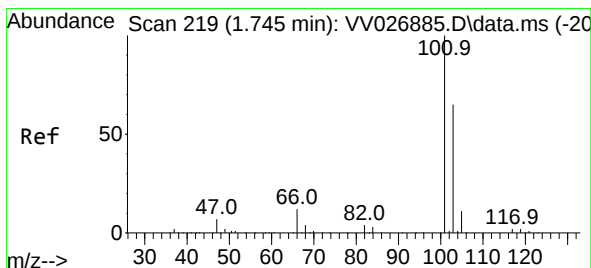
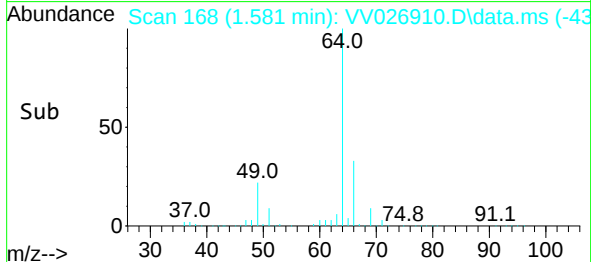
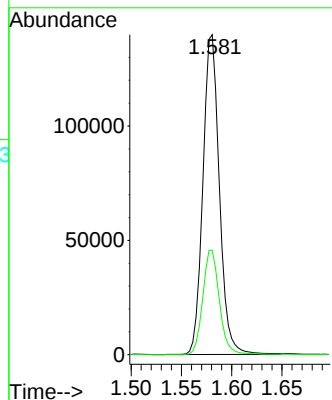
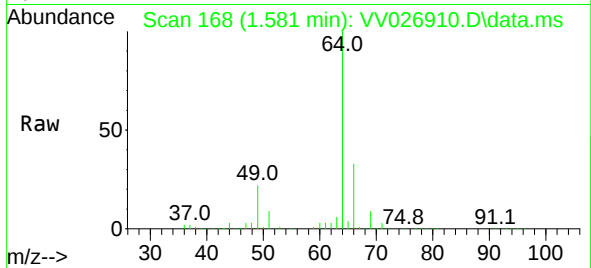




#8  
Chloroethane  
Concen: 45.363 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

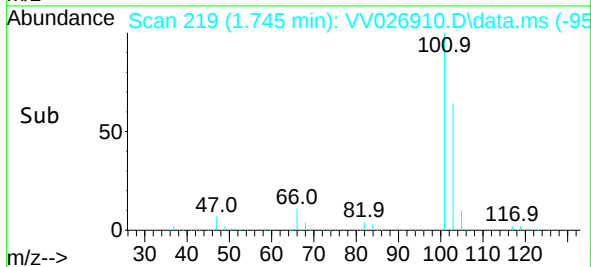
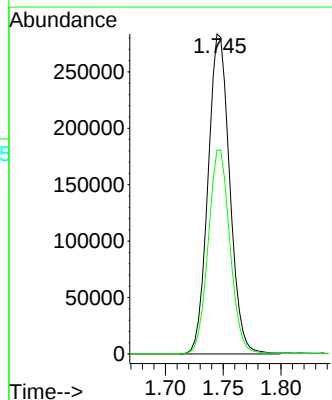
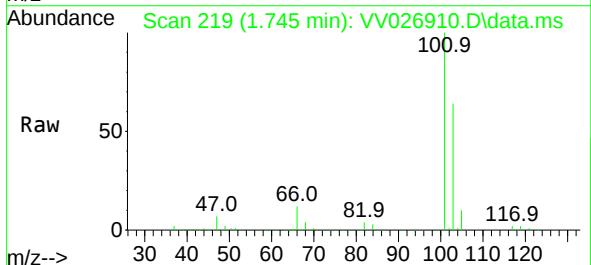
Instrument :  
MSVOA\_V  
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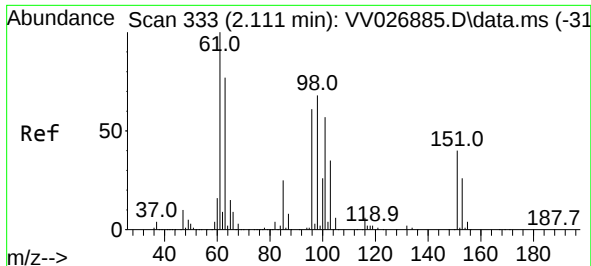
Tgt Ion: 64 Resp: 159572  
Ion Ratio Lower Upper  
64 100  
66 32.7 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 44.941 ug/L  
RT: 1.745 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion:101 Resp: 370781  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.8 77.8





#10

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

Concen: 43.390 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

ClientSampleId :

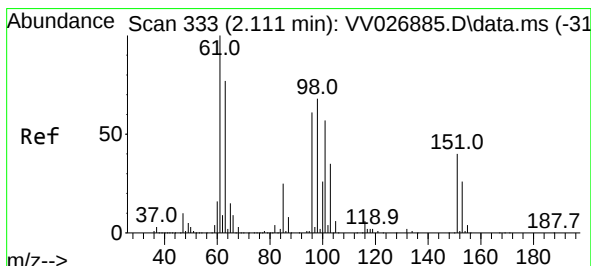
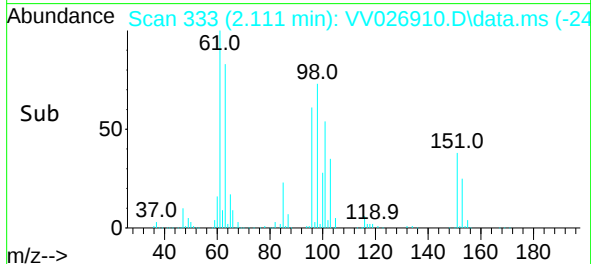
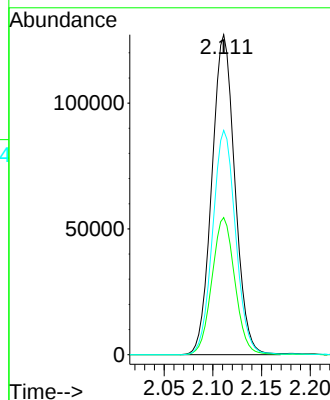
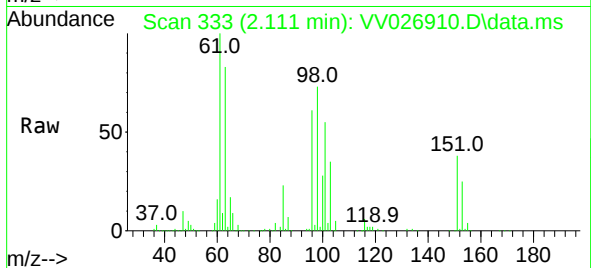
Tgt Ion:101 Resp: 209369

Ion Ratio Lower Upper

101 100

85 42.6 33.1 49.7

151 70.2 57.1 85.7



#12

1,1-Dichloroethene

Concen: 45.303 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

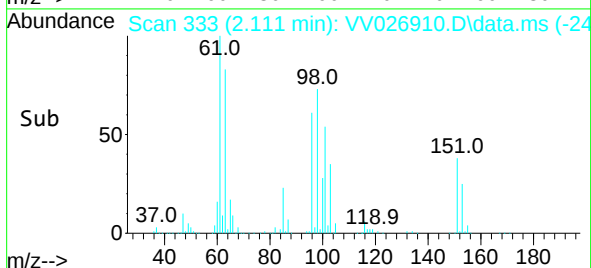
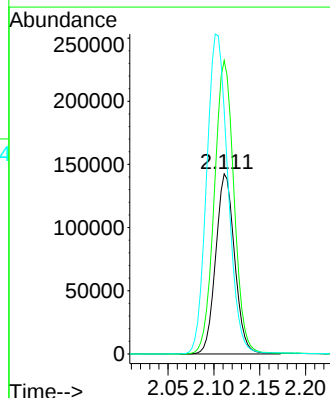
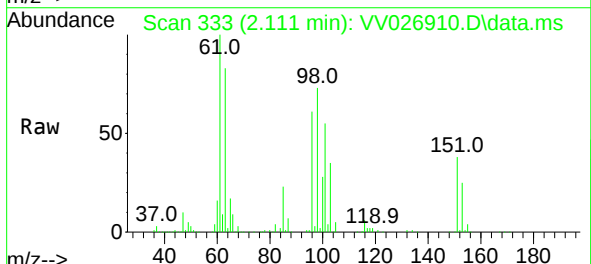
Tgt Ion: 96 Resp: 204187

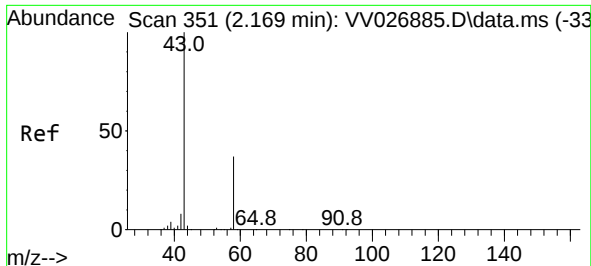
Ion Ratio Lower Upper

96 100

61 162.9 114.2 212.0

63 135.2 87.0 161.6





#13

Acetone

Concen: 97.824 ug/L

RT: 2.175 min Scan# 351

Delta R.T. 0.006 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

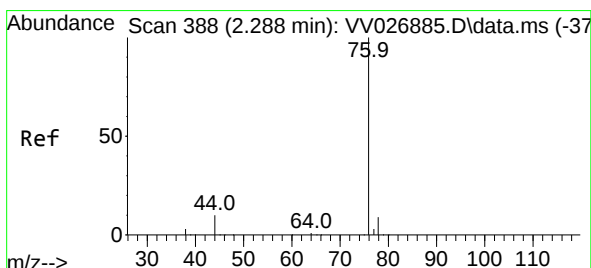
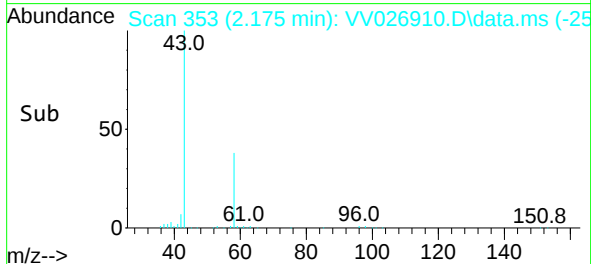
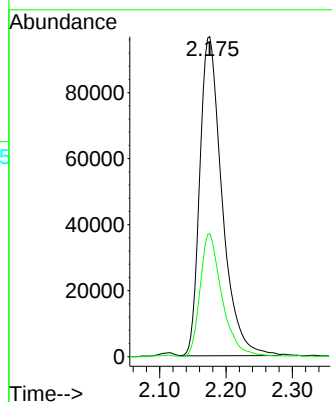
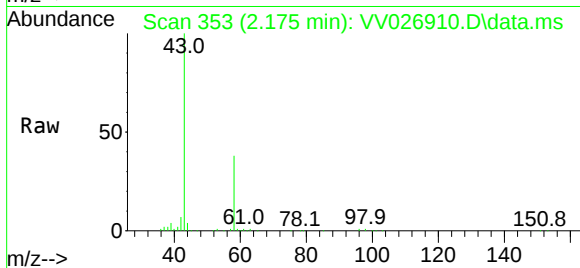
ClientSampleId :

Tgt Ion: 43 Resp: 226353

Ion Ratio Lower Upper

43 100

58 37.7 0.0 72.6



#14

Carbon disulfide

Concen: 45.371 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV026910.D

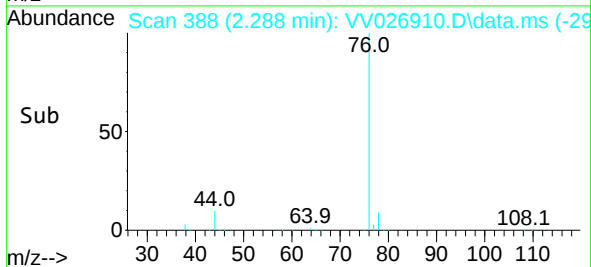
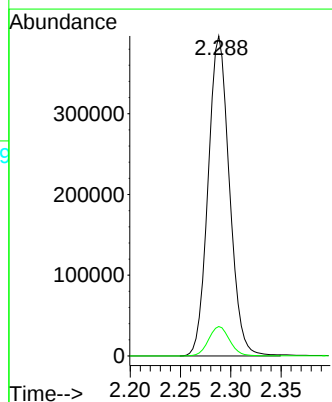
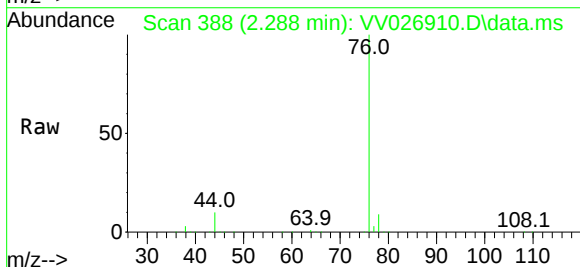
Acq: 23 Jul 2022 01:00

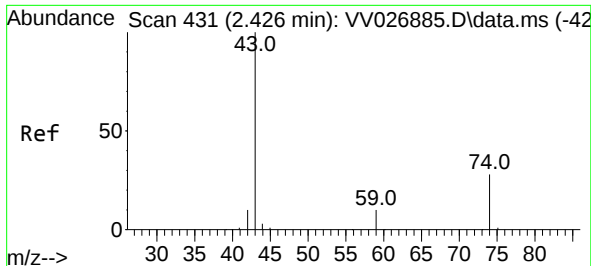
Tgt Ion: 76 Resp: 583451

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

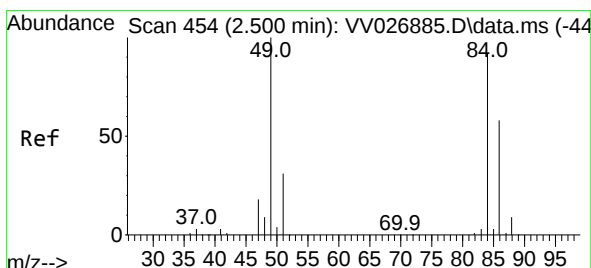
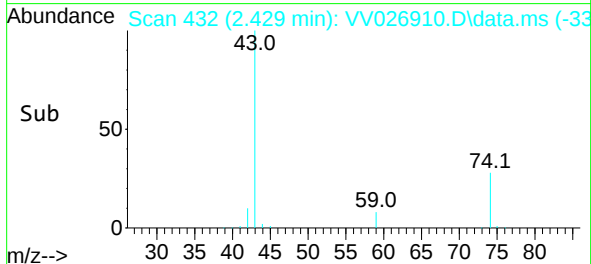
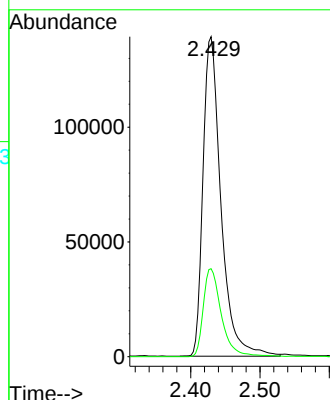
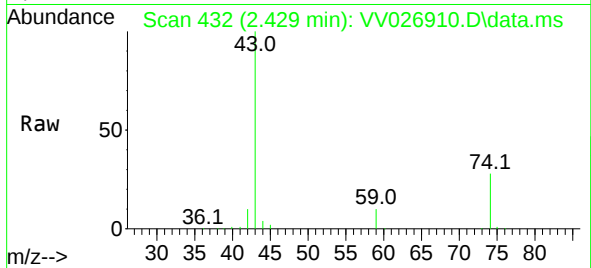




#15  
Methyl Acetate  
Concen: 49.178 ug/L  
RT: 2.429 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

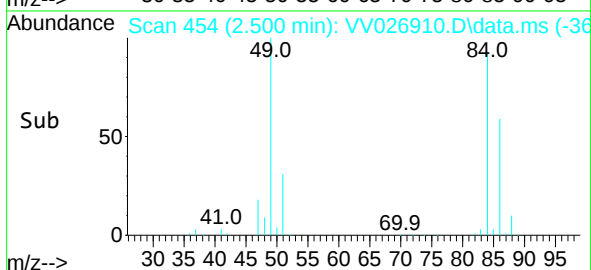
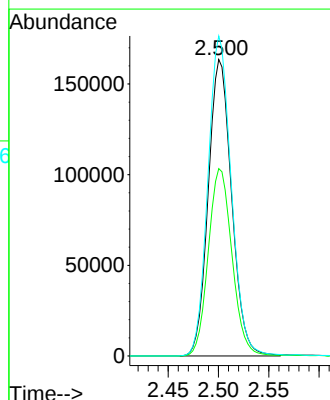
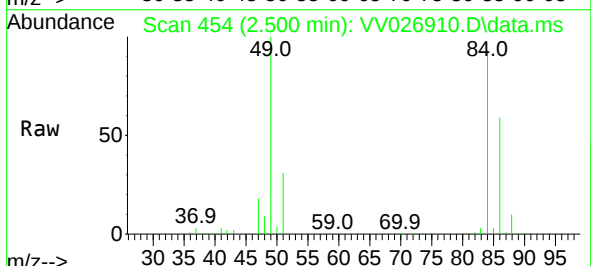
Instrument :  
MSVOA\_V  
ClientSampleId :

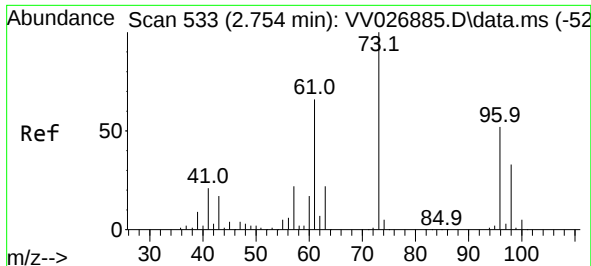
Tgt Ion: 43 Resp: 250990  
Ion Ratio Lower Upper  
43 100  
74 27.4 22.1 33.1



#16  
Methylene chloride  
Concen: 46.151 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion: 84 Resp: 265151  
Ion Ratio Lower Upper  
84 100  
86 63.2 44.5 82.7  
49 107.9 75.0 139.2

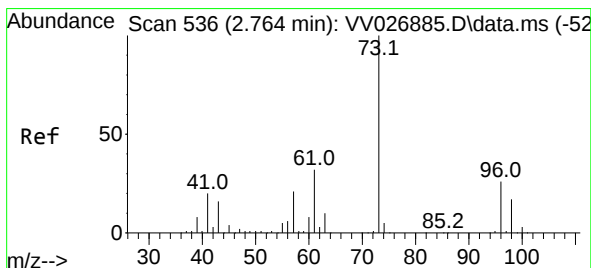
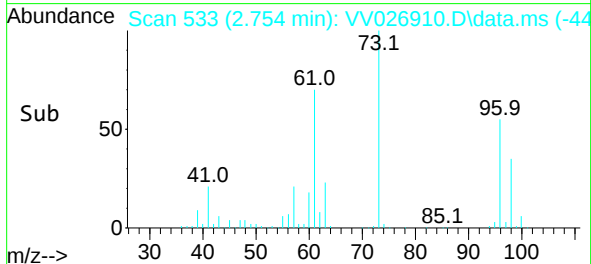
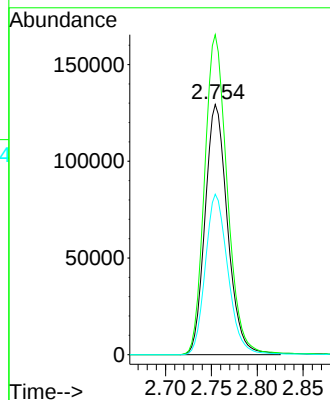
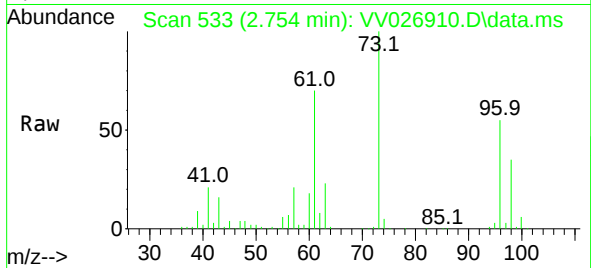




#17  
trans-1,2-Dichloroethene  
Concen: 46.420 ug/L  
RT: 2.754 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

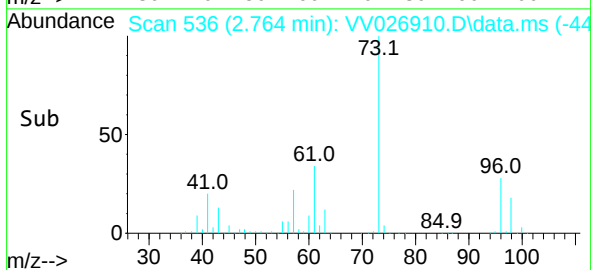
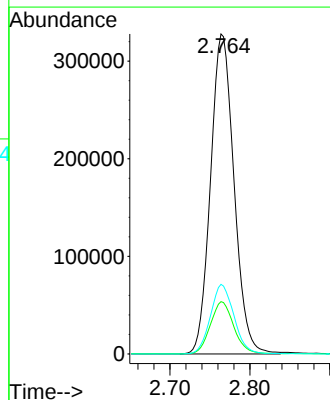
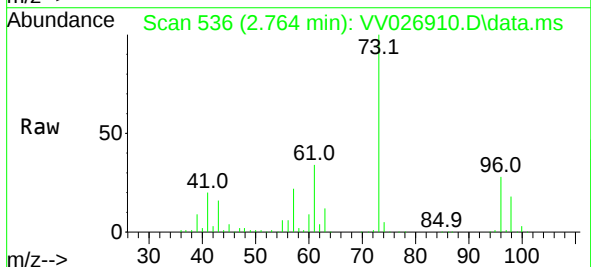
Instrument :  
MSVOA\_V  
ClientSampleId :

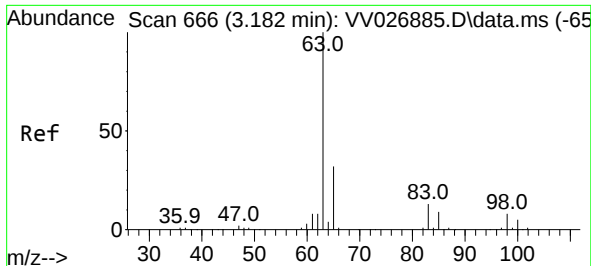
Tgt Ion: 96 Resp: 221071  
Ion Ratio Lower Upper  
96 100  
61 127.9 89.2 165.6  
98 64.1 44.7 82.9



#18  
Methyl tert-butyl Ether  
Concen: 50.564 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion: 73 Resp: 668947  
Ion Ratio Lower Upper  
73 100  
43 16.2 12.8 19.2  
57 21.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 47.386 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

ClientSampleId :

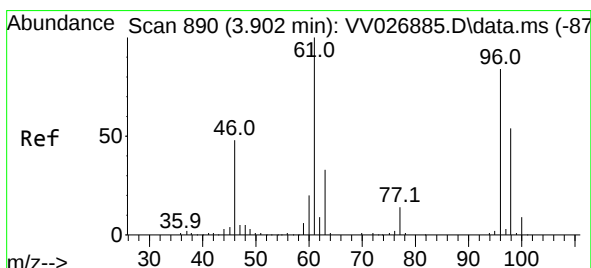
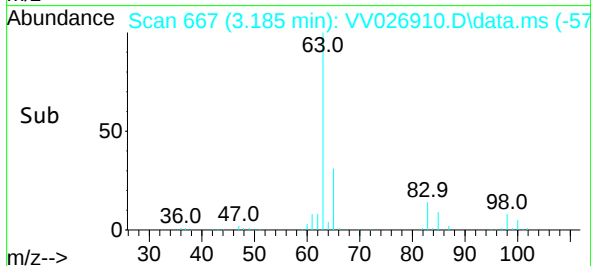
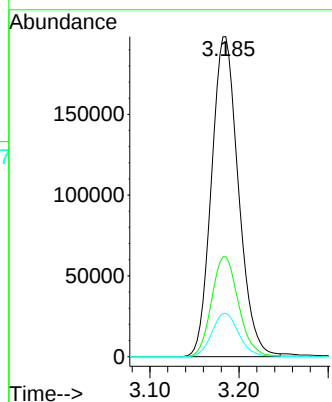
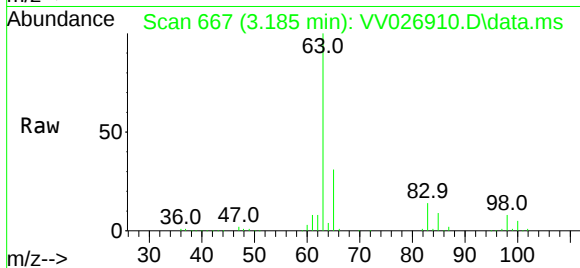
Tgt Ion: 63 Resp: 415620

Ion Ratio Lower Upper

63 100

65 31.3 22.6 42.0

83 13.6 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.099 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

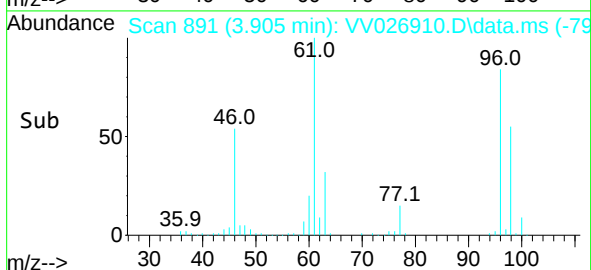
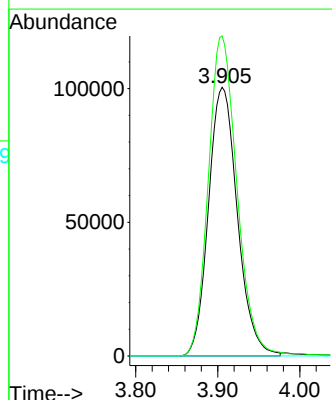
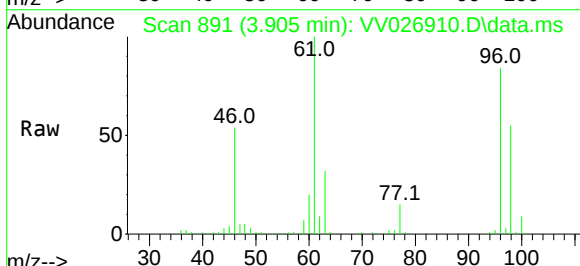
Tgt Ion: 96 Resp: 246428

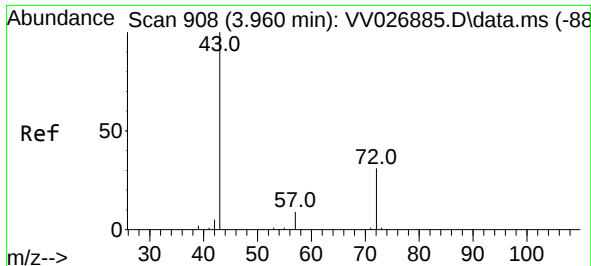
Ion Ratio Lower Upper

96 100

61 119.1 83.0 154.1

68 0.0 0.0 0.0

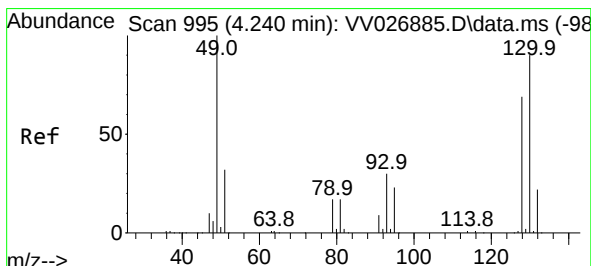
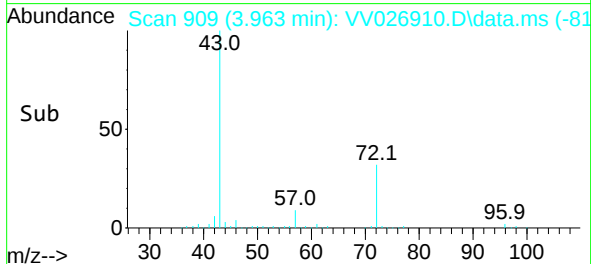
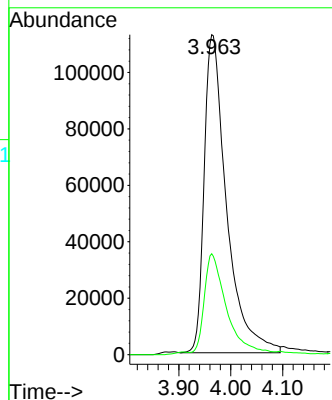
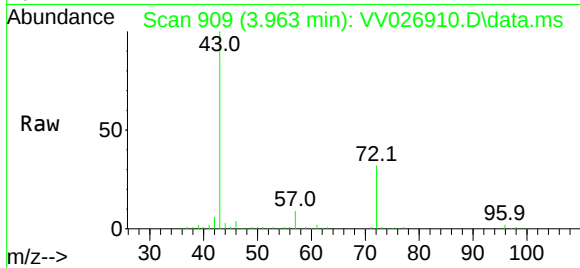




#22  
2-Butanone  
Concen: 107.065 ug/L  
RT: 3.963 min Scan# 909  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

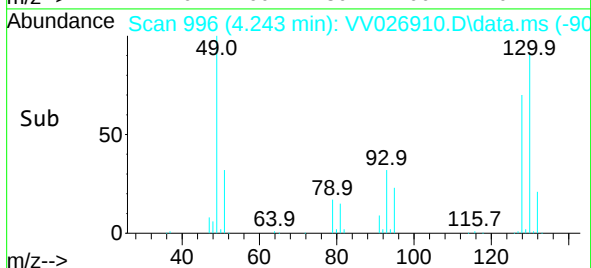
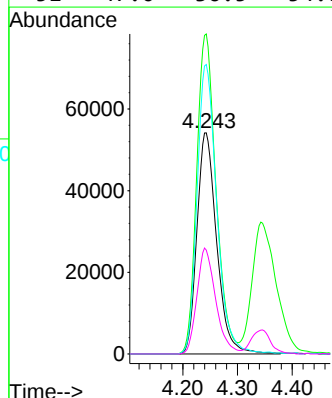
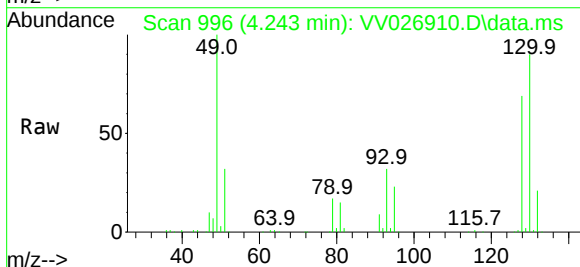
Instrument :  
MSVOA\_V  
ClientSampleId :

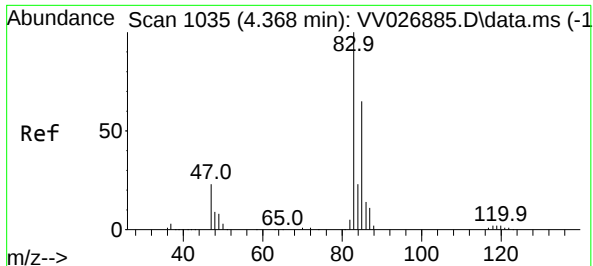
Tgt Ion: 43 Resp: 337880  
Ion Ratio Lower Upper  
43 100  
72 29.8 14.9 44.5



#23  
Bromochloromethane  
Concen: 47.231 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion:128 Resp: 135741  
Ion Ratio Lower Upper  
128 100  
49 144.7 101.0 187.6  
130 130.9 90.0 167.2  
51 47.0 36.5 54.7





#25

Chloroform

Concen: 47.176 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

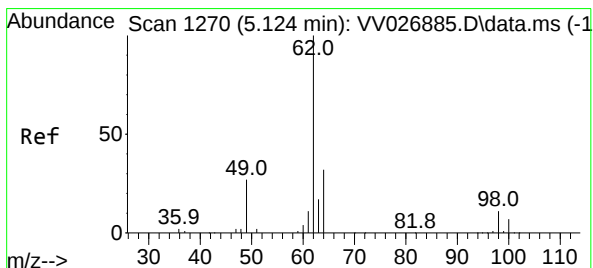
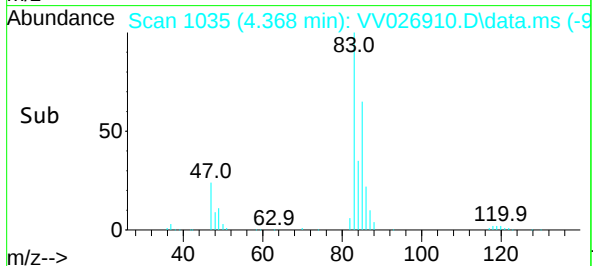
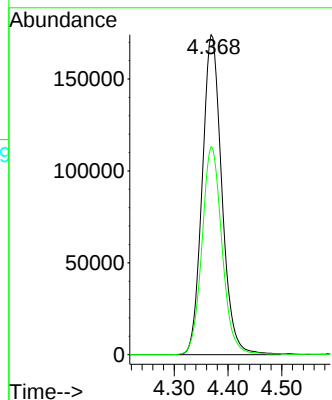
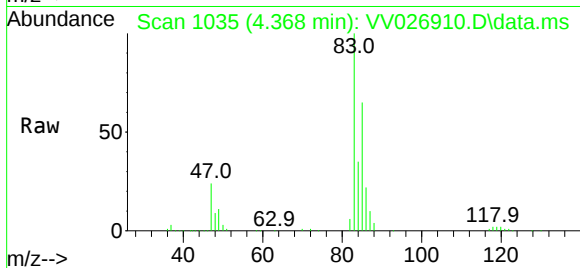
ClientSampleId :

Tgt Ion: 83 Resp: 441310

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 46.609 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV026910.D

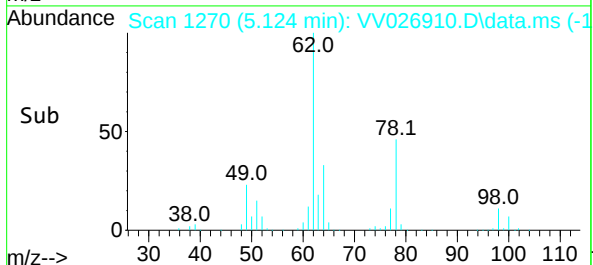
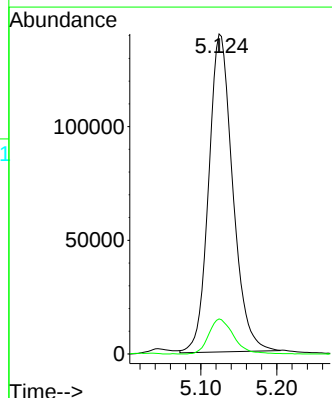
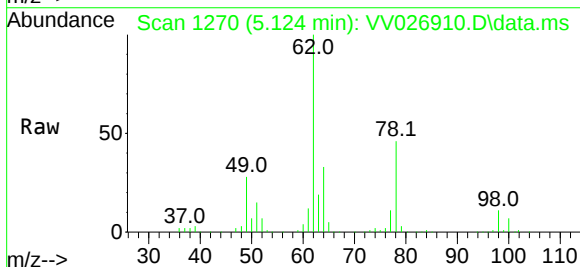
Acq: 23 Jul 2022 01:00

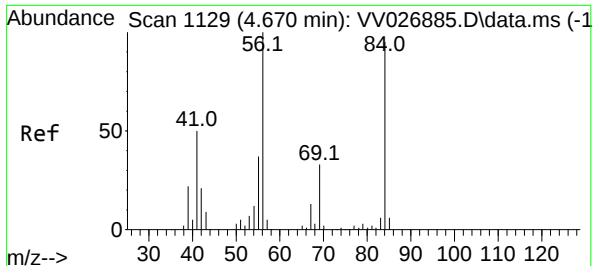
Tgt Ion: 62 Resp: 307666

Ion Ratio Lower Upper

62 100

98 10.9 8.9 13.3





#29

Cyclohexane

Concen: 50.323 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

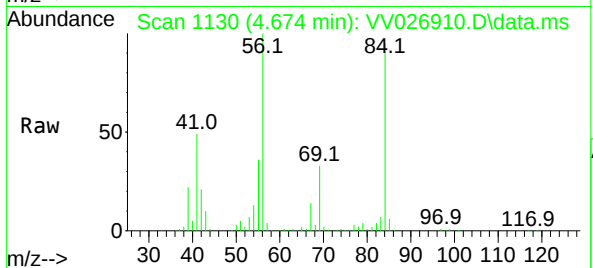
Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

ClientSampleId :



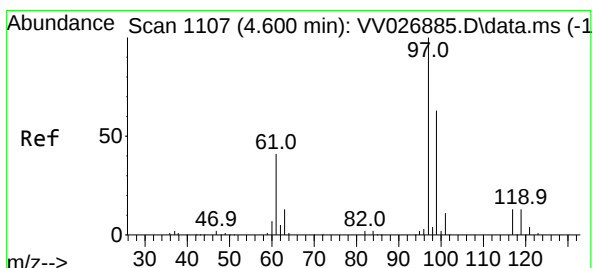
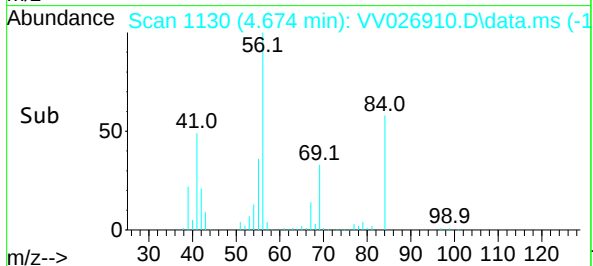
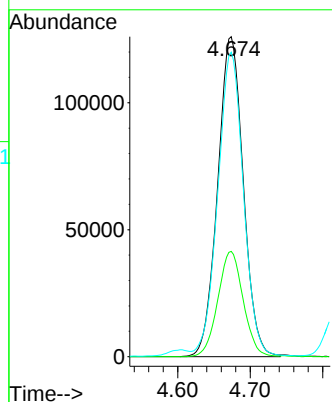
Tgt Ion: 56 Resp: 308700

Ion Ratio Lower Upper

56 100

69 32.6 25.7 38.5

84 95.3 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 48.187 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

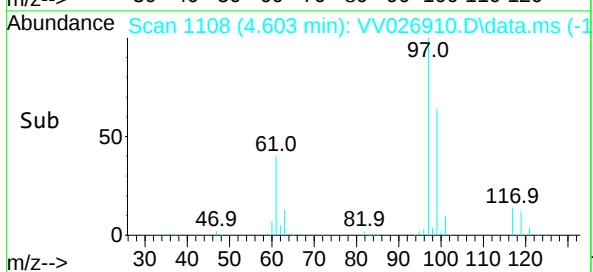
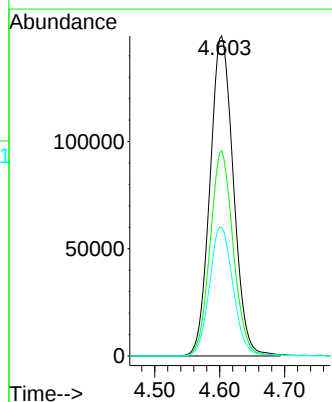
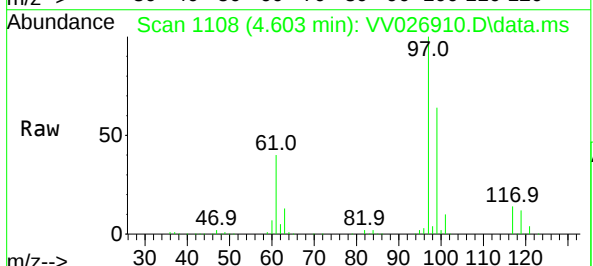
Tgt Ion: 97 Resp: 373475

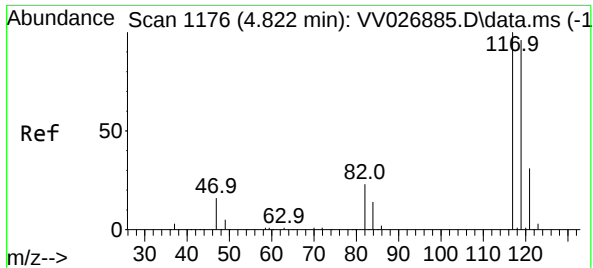
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

61 40.9 33.1 49.7

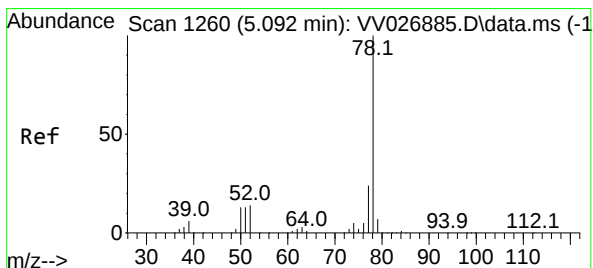
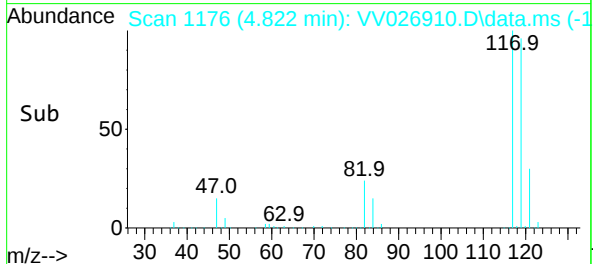
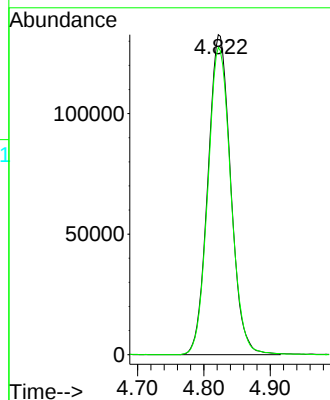
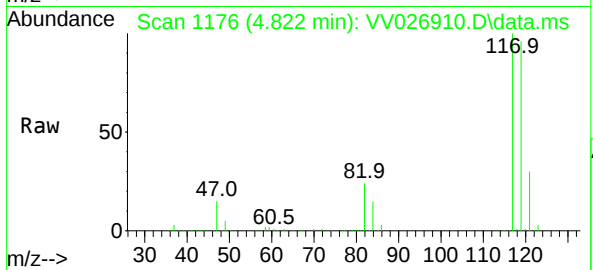




#31  
Carbon tetrachloride  
Concen: 46.789 ug/L  
RT: 4.822 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

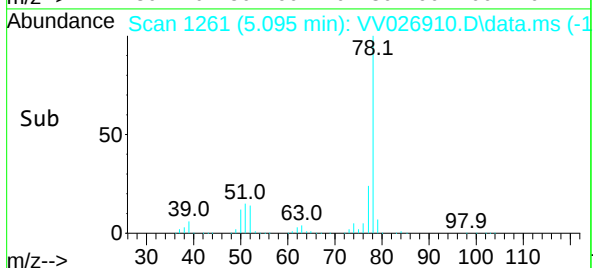
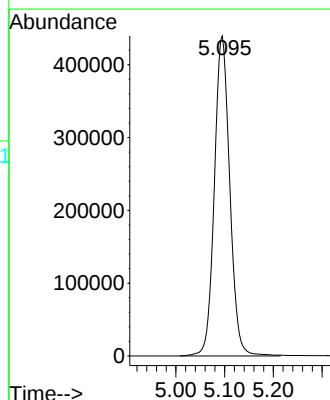
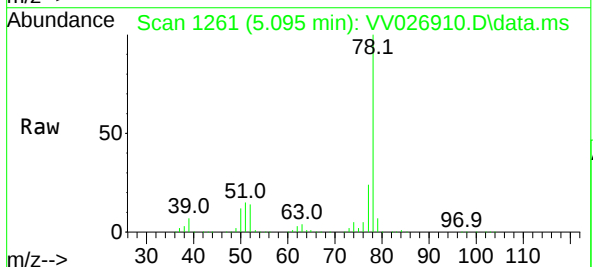
Instrument :  
MSVOA\_V  
ClientSampleId :

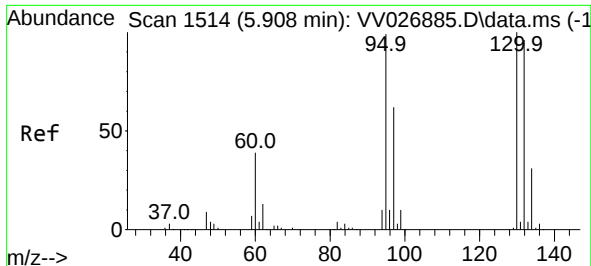
Tgt Ion:117 Resp: 317512  
Ion Ratio Lower Upper  
117 100  
119 97.0 77.3 115.9



#33  
Benzene  
Concen: 51.191 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion: 78 Resp: 965730

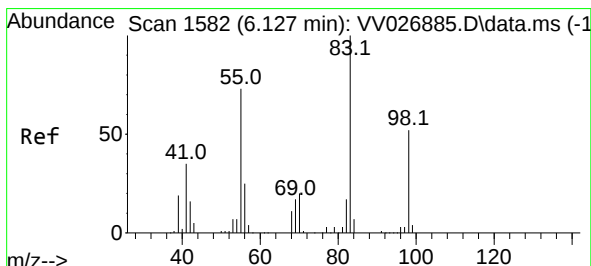
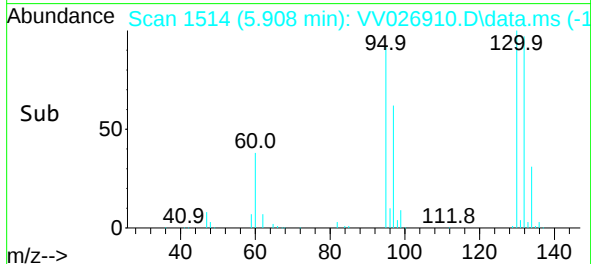
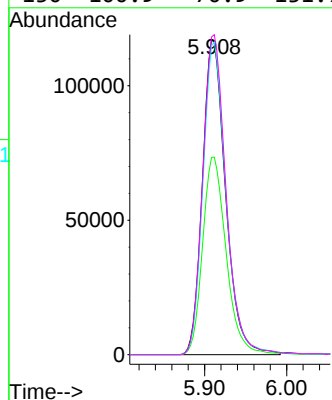
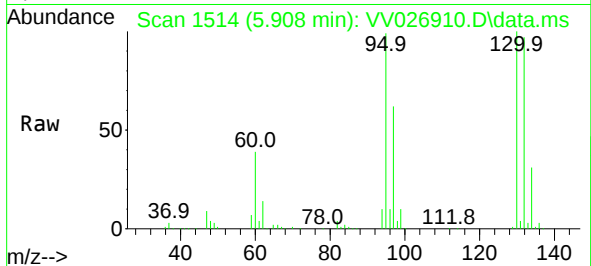




#34  
Trichloroethene  
Concen: 47.441 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

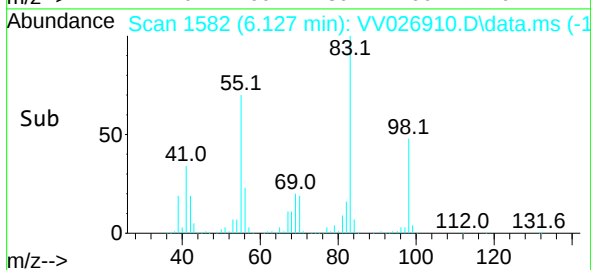
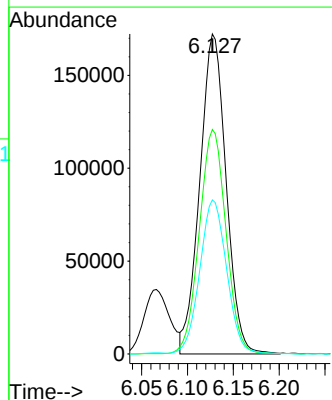
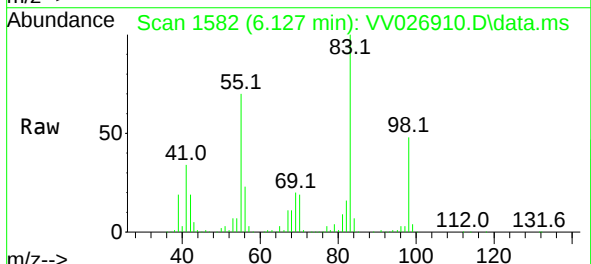
Instrument :  
MSVOA\_V  
ClientSampleId :

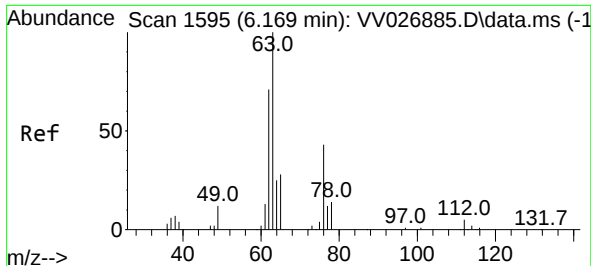
Tgt Ion: 95 Resp: 229983  
Ion Ratio Lower Upper  
95 100  
97 62.6 45.9 85.3  
132 98.2 68.1 126.5  
130 100.9 70.9 131.7



#35  
Methylcyclohexane  
Concen: 47.896 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion: 83 Resp: 343785  
Ion Ratio Lower Upper  
83 100  
55 71.1 57.4 86.2  
98 49.3 39.4 59.0





#37

1,2-Dichloropropane

Concen: 51.252 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

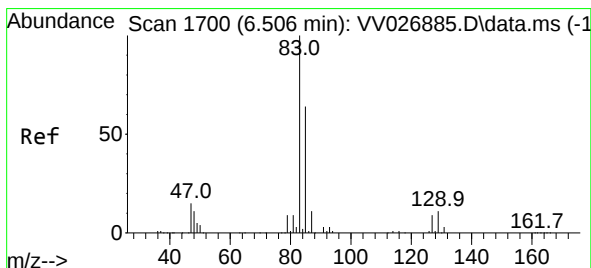
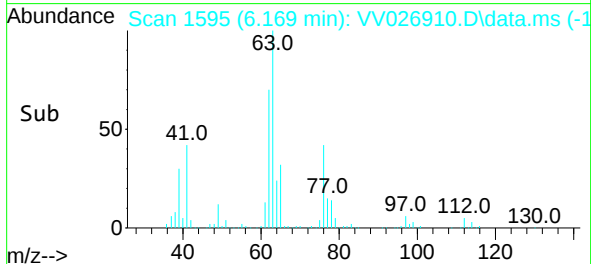
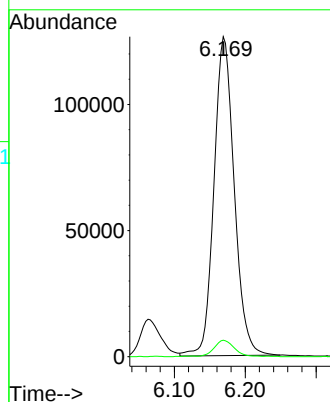
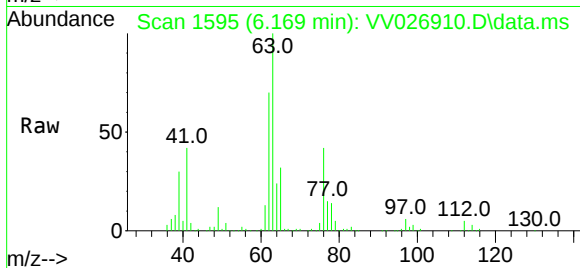
ClientSampleId :

Tgt Ion: 63 Resp: 251642

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 47.921 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

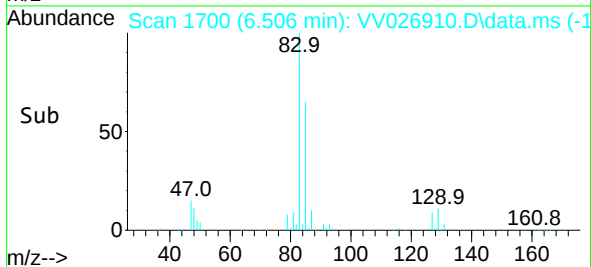
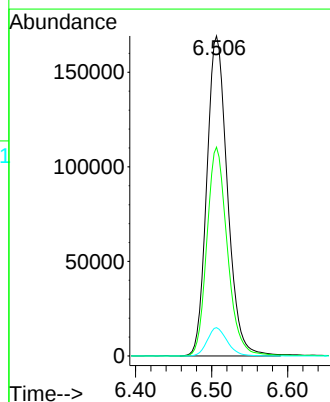
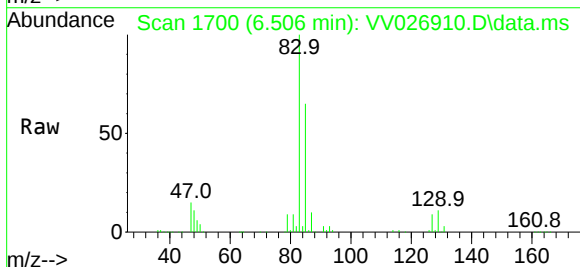
Tgt Ion: 83 Resp: 318920

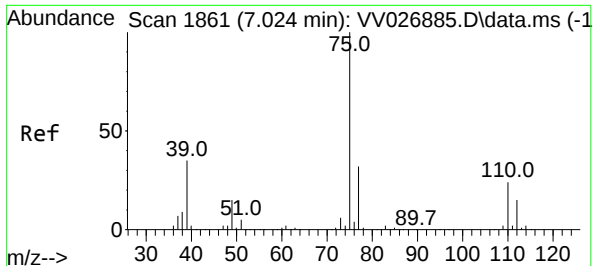
Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 46.766 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

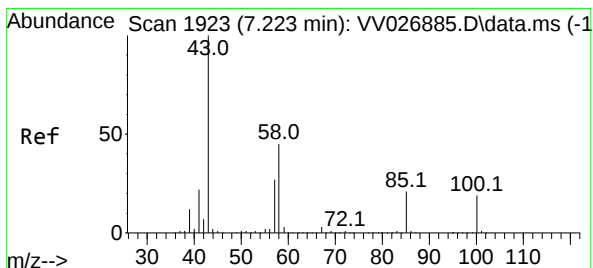
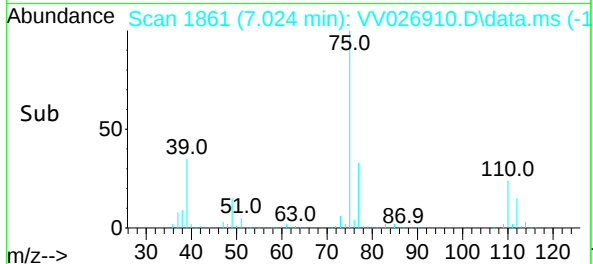
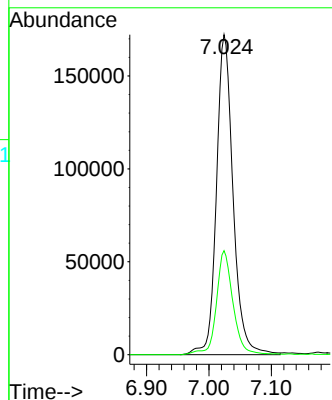
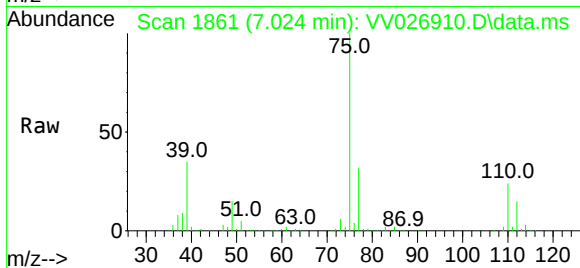
ClientSampleId :

Tgt Ion: 75 Resp: 318672

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 109.713 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

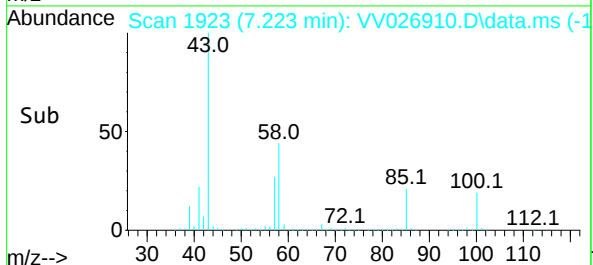
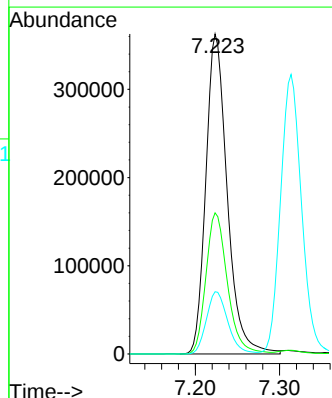
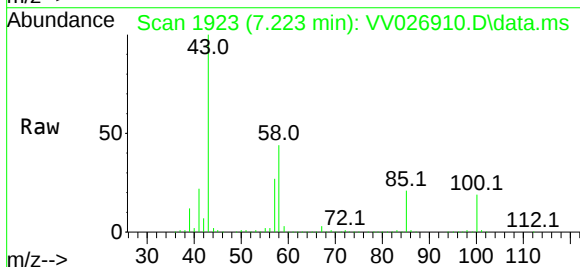
Tgt Ion: 43 Resp: 641060

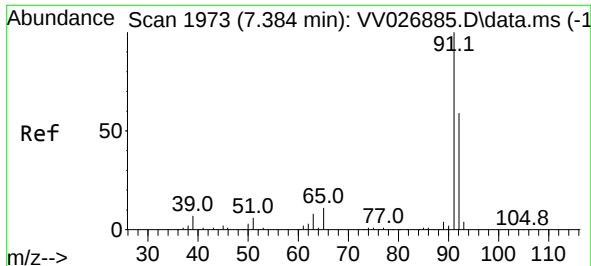
Ion Ratio Lower Upper

43 100

58 44.3 35.0 52.6

100 19.4 15.4 23.0





#42

Toluene

Concen: 52.027 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

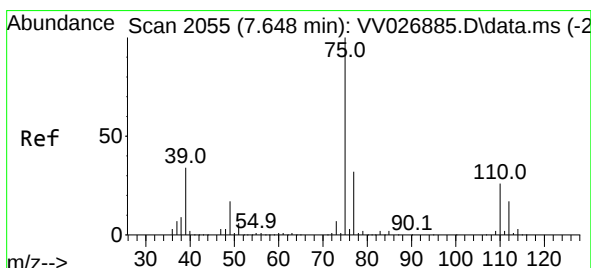
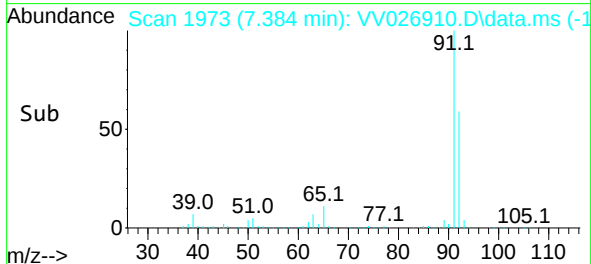
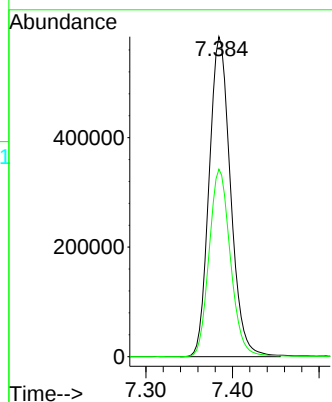
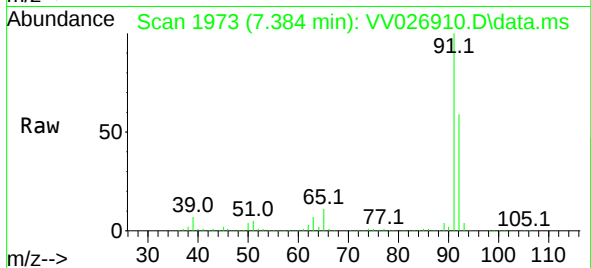
ClientSampleId :

Tgt Ion: 91 Resp: 1001814

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 45.267 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV026910.D

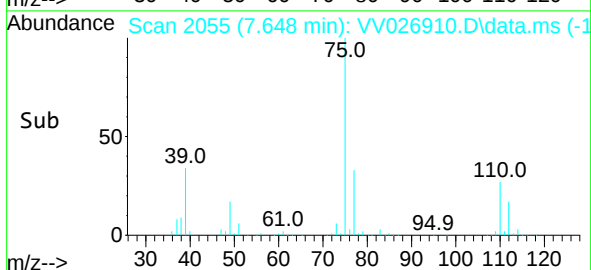
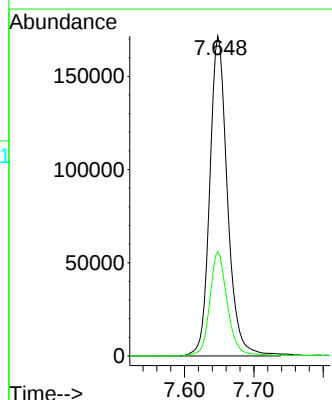
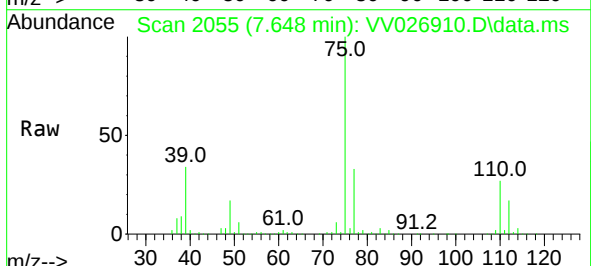
Acq: 23 Jul 2022 01:00

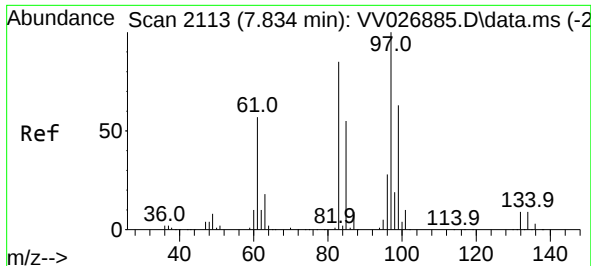
Tgt Ion: 75 Resp: 304188

Ion Ratio Lower Upper

75 100

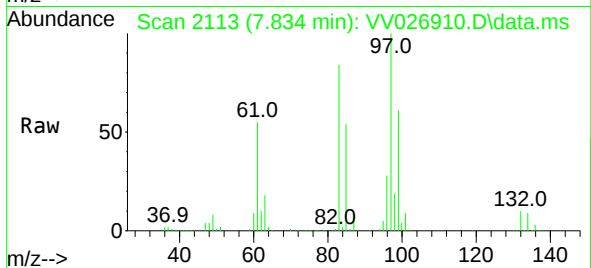
77 32.6 21.3 39.6



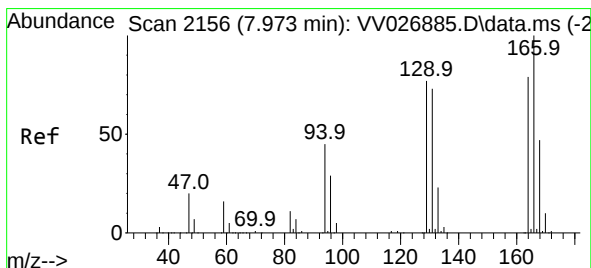
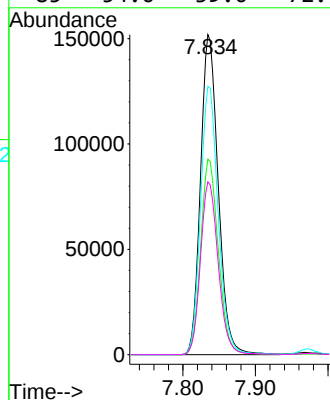
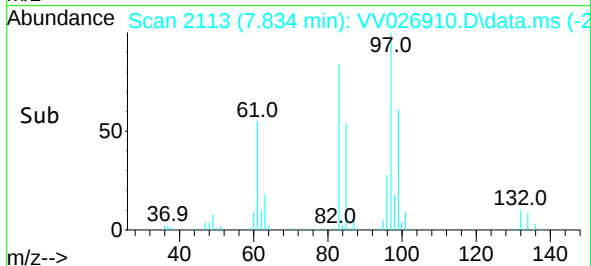


#45  
1,1,2-Trichloroethane  
Concen: 49.353 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

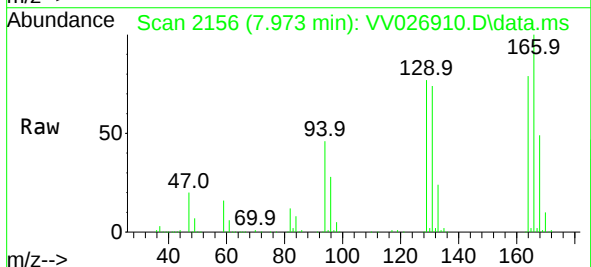
Instrument :  
MSVOA\_V  
ClientSampleId :



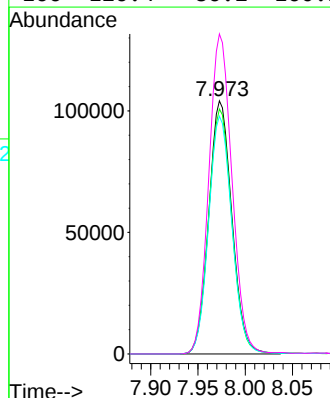
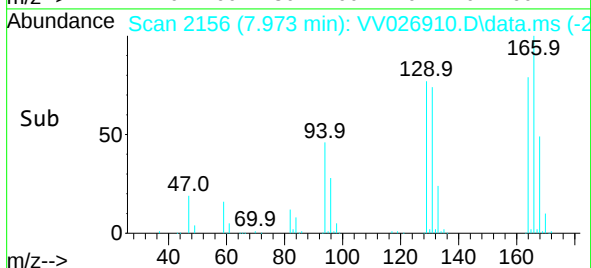
| Tgt Ion: | 97    | Resp: | 258056 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.1  | 44.0  | 81.8   |
| 83       | 83.9  | 59.9  | 111.3  |
| 85       | 54.0  | 39.0  | 72.4   |

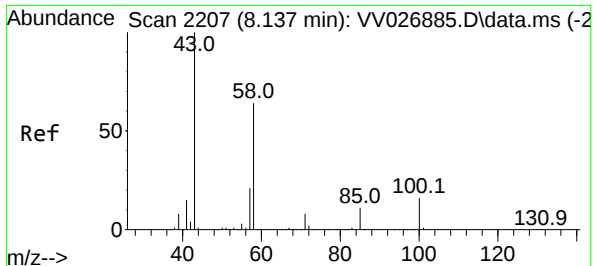


#46  
Tetrachloroethene  
Concen: 46.837 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00



| Tgt Ion: | 164   | Resp: | 177120 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 96.8  | 66.3  | 123.1  |
| 131      | 93.9  | 63.1  | 117.3  |
| 166      | 126.4 | 86.2  | 160.2  |

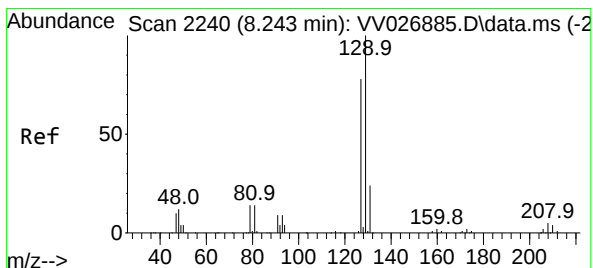
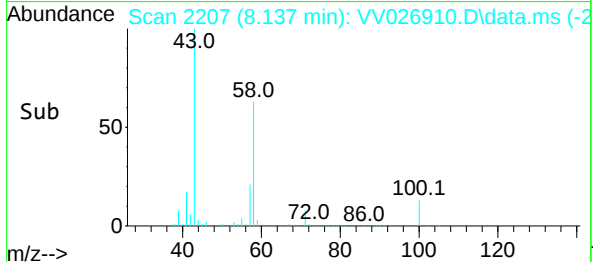
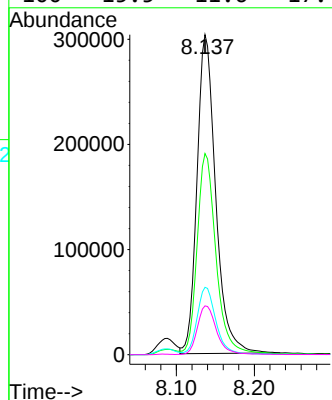
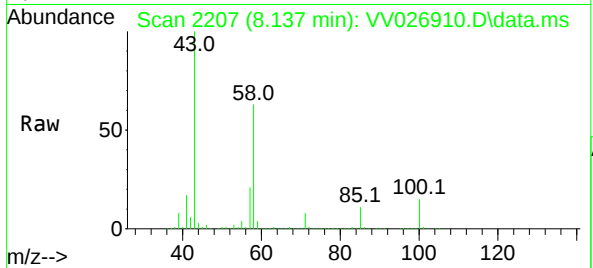




#48  
2-Hexanone  
Concen: 111.213 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

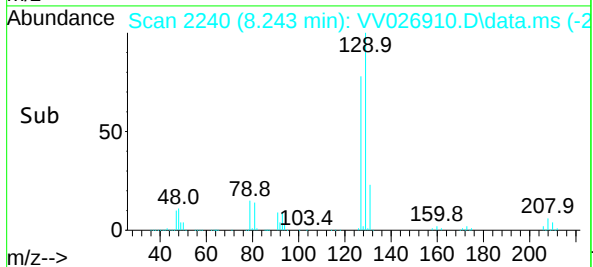
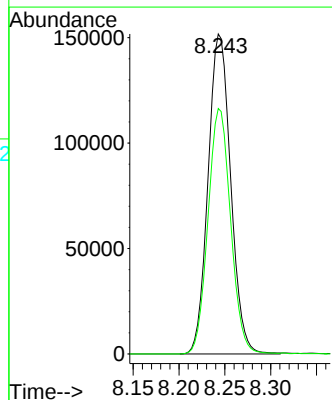
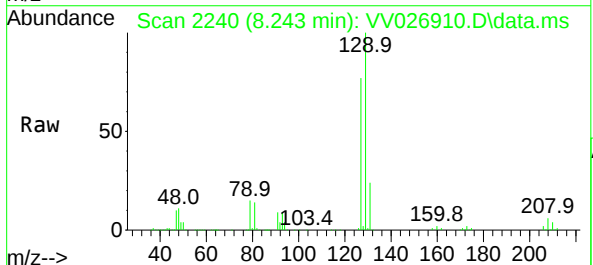
Instrument :  
MSVOA\_V  
ClientSampleId :

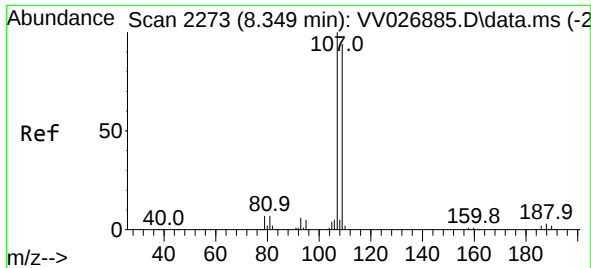
Tgt Ion: 43 Resp: 505759  
Ion Ratio Lower Upper  
43 100  
58 63.6 48.8 73.2  
57 21.2 16.6 24.8  
100 15.5 11.6 17.4



#49  
Dibromochloromethane  
Concen: 47.631 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion: 129 Resp: 260310  
Ion Ratio Lower Upper  
129 100  
127 76.7 53.7 99.7





#50

1,2-Dibromoethane

Concen: 49.248 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

ClientSampleId :

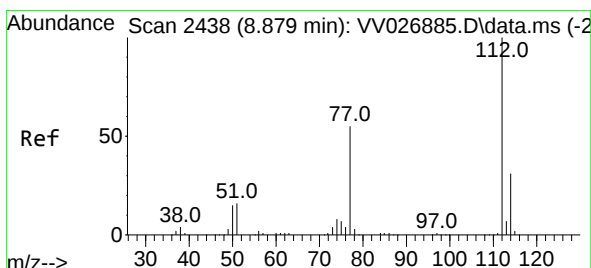
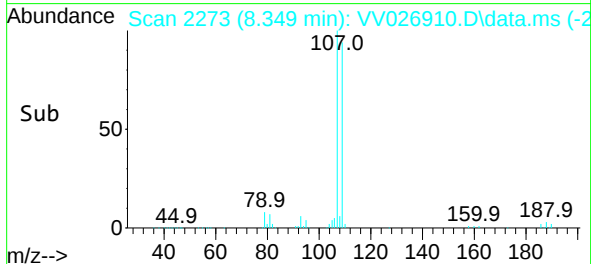
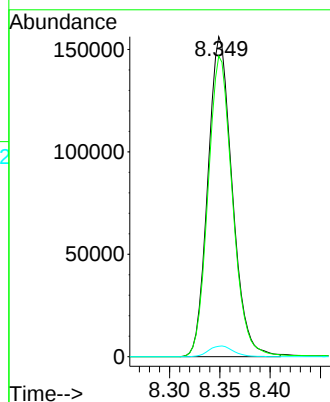
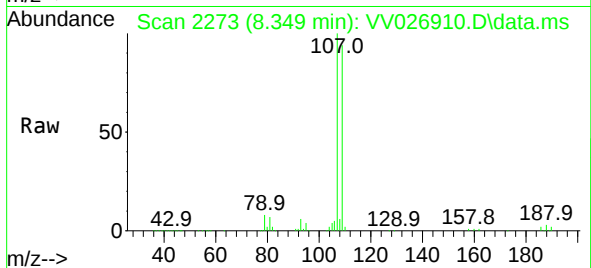
Tgt Ion:107 Resp: 263460

Ion Ratio Lower Upper

107 100

109 93.9 64.9 120.5

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 48.244 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

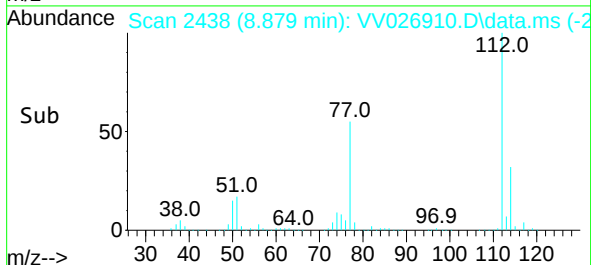
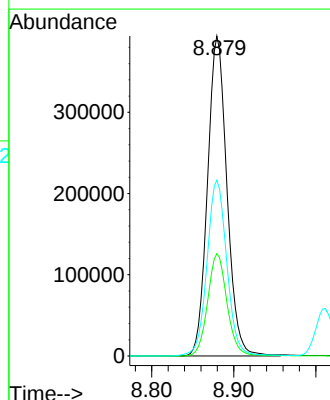
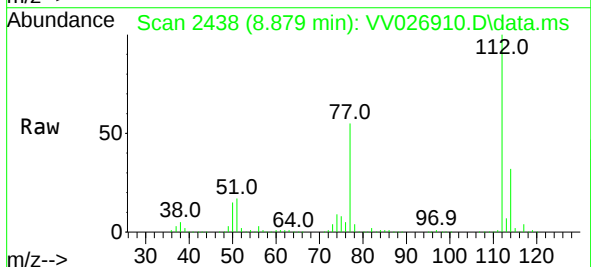
Tgt Ion:112 Resp: 647527

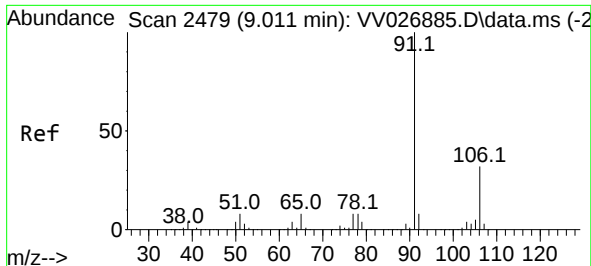
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 55.0 44.4 66.6





#52

Ethylbenzene

Concen: 51.014 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV026910.D

Acq: 23 Jul 2022 01:00

Instrument :

MSVOA\_V

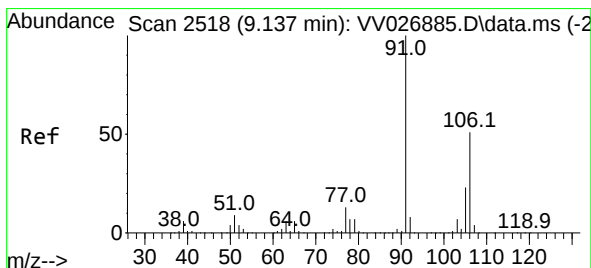
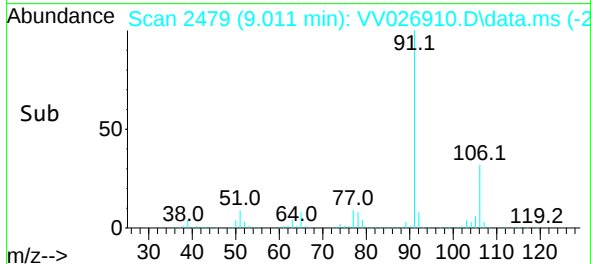
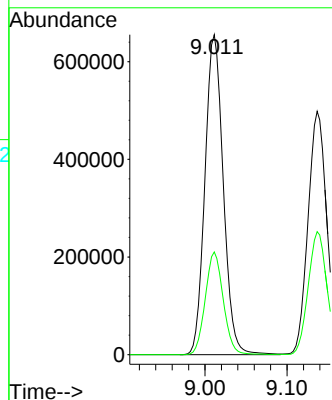
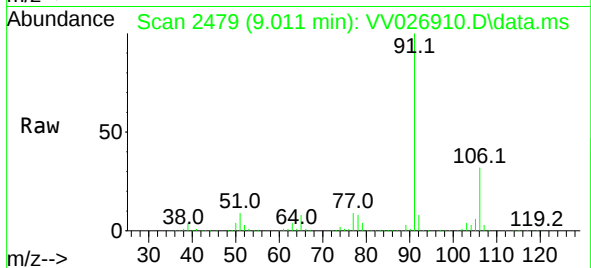
ClientSampleId :

Tgt Ion: 91 Resp: 1019641

Ion Ratio Lower Upper

91 100

106 32.1 22.0 40.8



#53

m,p-Xylene

Concen: 51.793 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV026910.D

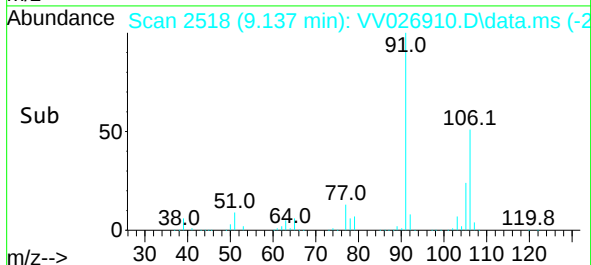
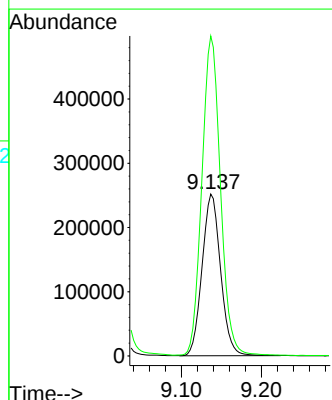
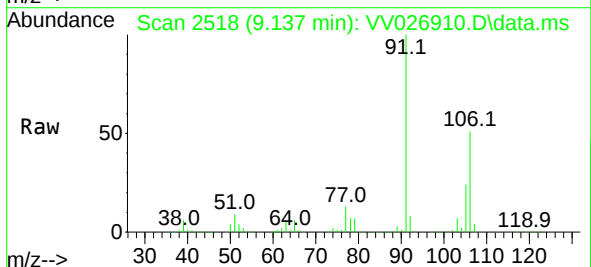
Acq: 23 Jul 2022 01:00

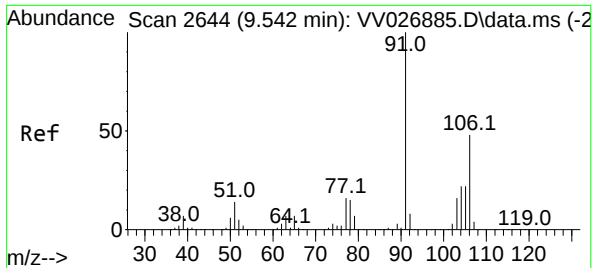
Tgt Ion: 106 Resp: 405340

Ion Ratio Lower Upper

106 100

91 197.6 140.0 260.0

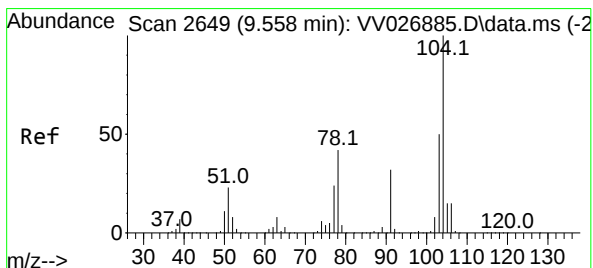
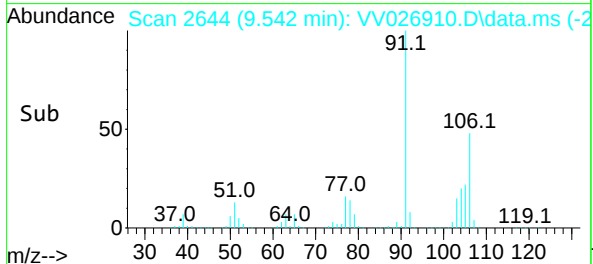
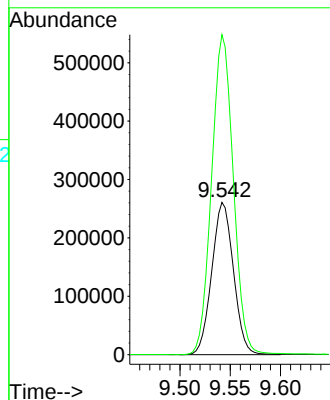
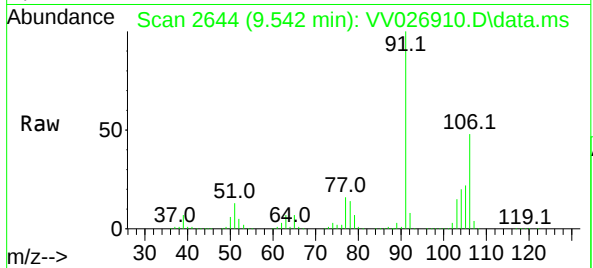




#54  
o-Xylene  
Concen: 51.986 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

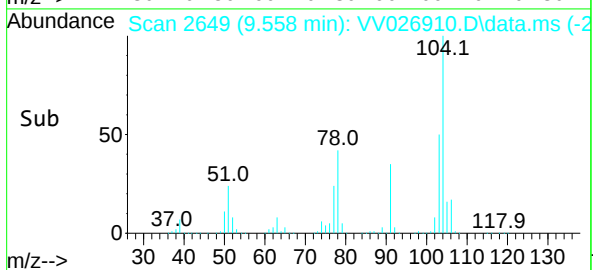
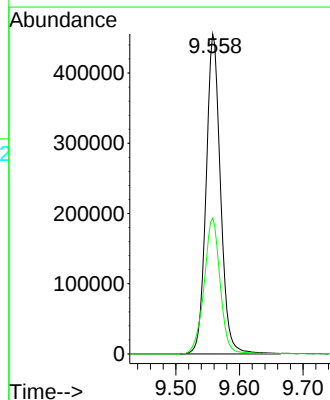
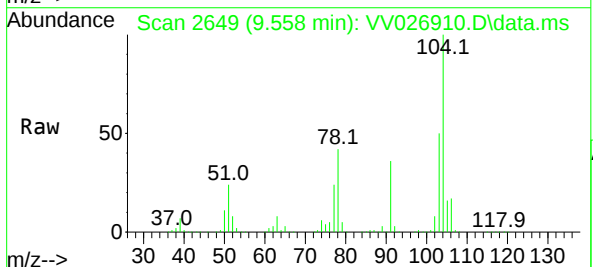
Instrument :  
MSVOA\_V  
ClientSampleId :

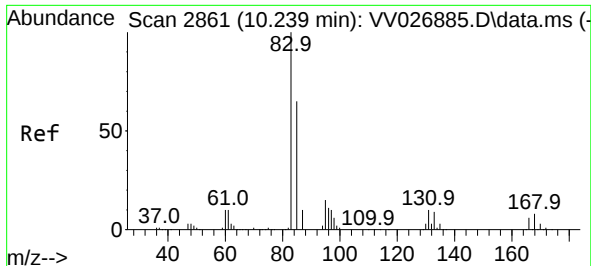
Tgt Ion:106 Resp: 391837  
Ion Ratio Lower Upper  
106 100  
91 210.1 146.1 271.3



#55  
Styrene  
Concen: 54.002 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion:104 Resp: 718851  
Ion Ratio Lower Upper  
104 100  
78 42.4 29.6 55.0

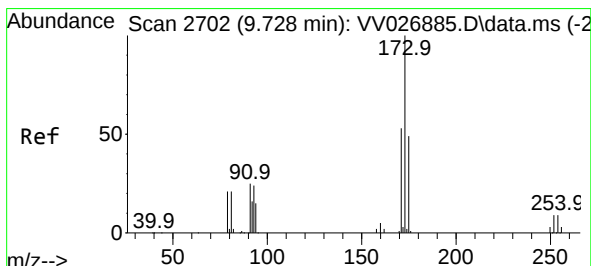
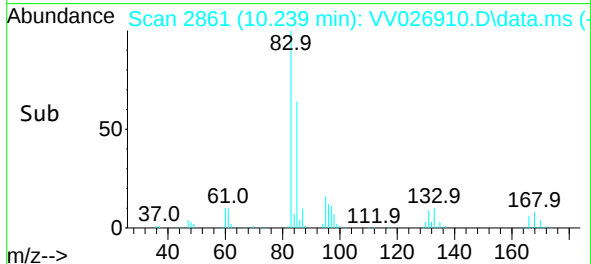
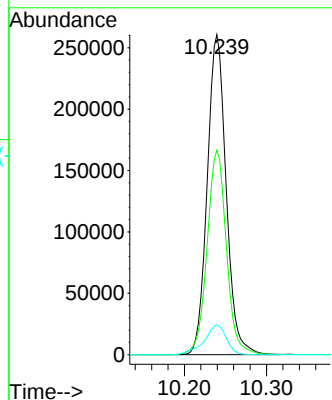
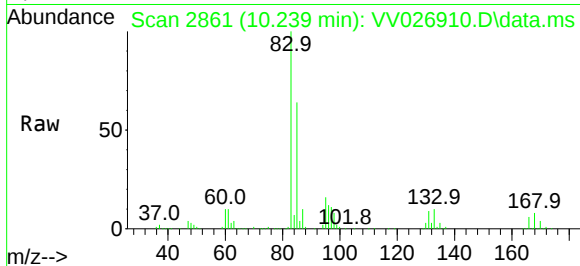




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 49.558 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

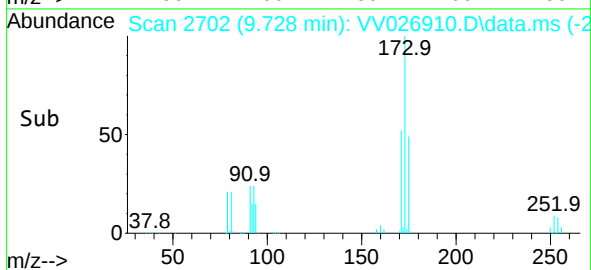
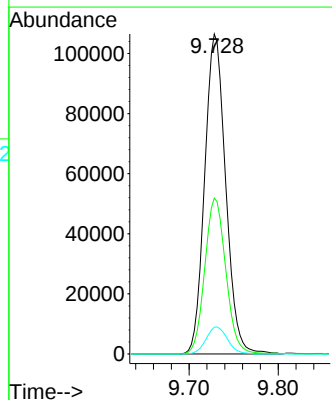
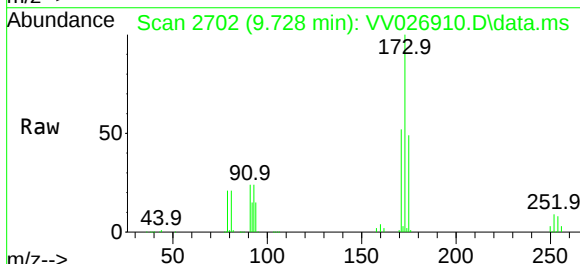
Instrument :  
 MSVOA\_V  
 ClientSampleId :

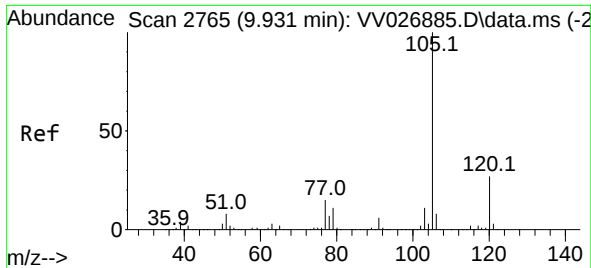
Tgt Ion: 83 Resp: 418289  
 Ion Ratio Lower Upper  
 83 100  
 85 63.9 45.3 84.1  
 131 9.3 7.8 11.6



#59  
 Bromoform  
 Concen: 48.667 ug/L  
 RT: 9.728 min Scan# 2702  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

Tgt Ion: 173 Resp: 174122  
 Ion Ratio Lower Upper  
 173 100  
 175 48.7 38.6 57.8  
 254 8.6 6.6 10.0

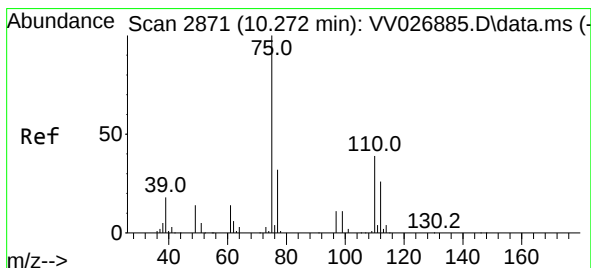
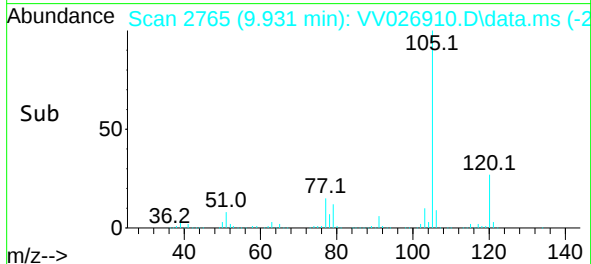
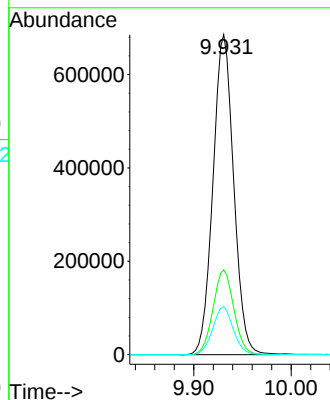
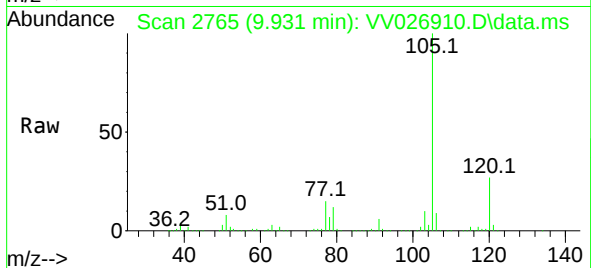




#60  
Isopropylbenzene  
Concen: 53.492 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

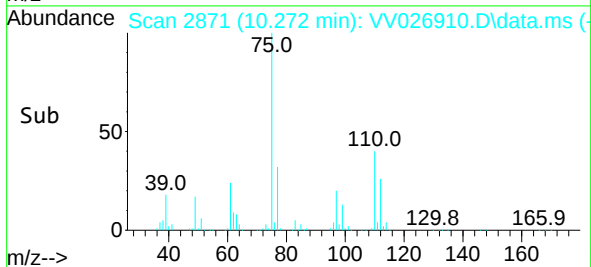
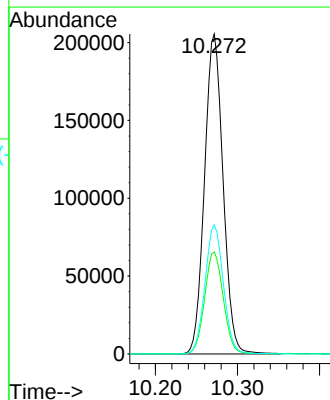
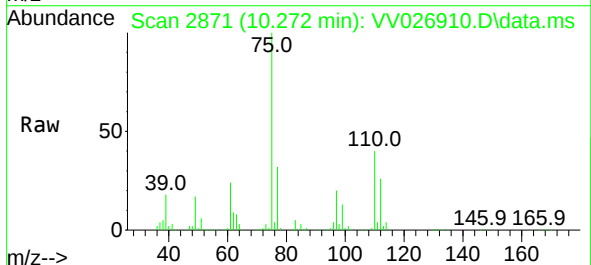
Instrument :  
MSVOA\_V  
ClientSampleId :

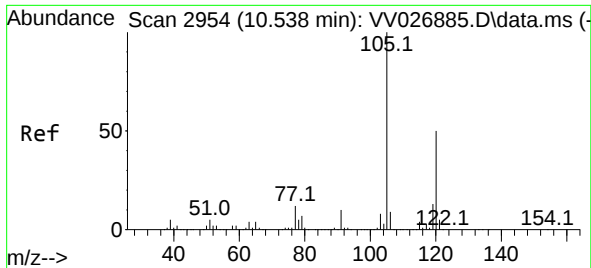
Tgt Ion:105 Resp: 1012333  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.1 31.7  
77 15.0 11.9 17.9



#61  
1,2,3-Trichloropropane  
Concen: 50.326 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

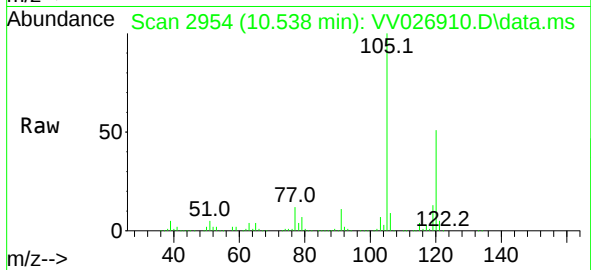
Tgt Ion: 75 Resp: 323392  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.6 38.4  
110 40.0 31.7 47.5



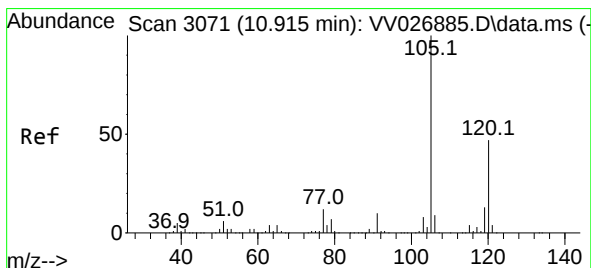
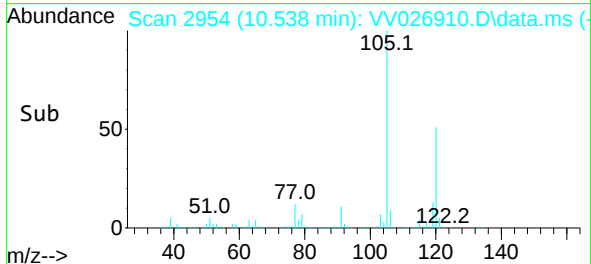
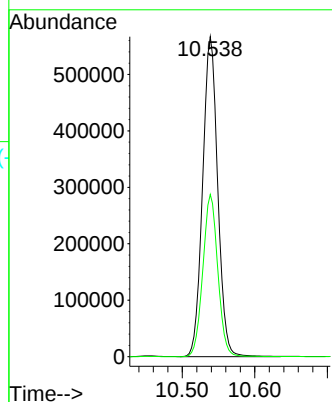


#62  
 1,3,5-Trimethylbenzene  
 Concen: 53.273 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

Instrument :  
 MSVOA\_V  
 ClientSampleId :

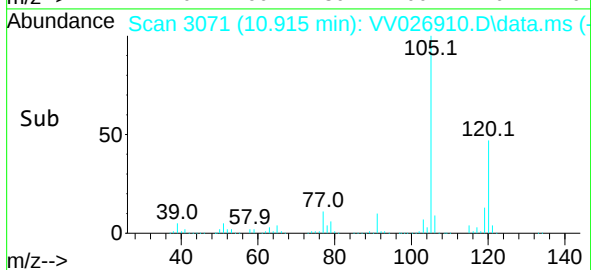
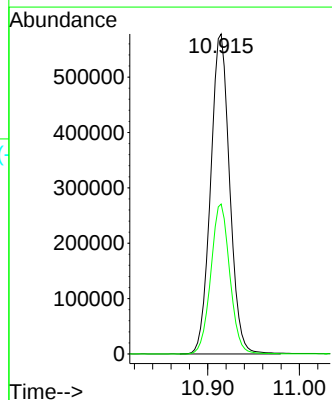
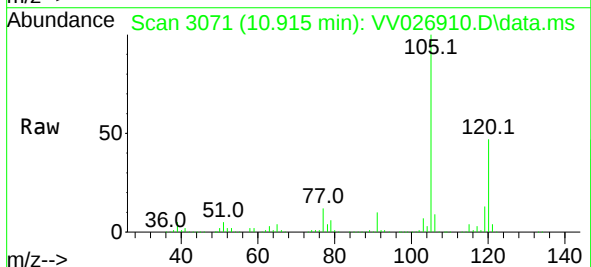


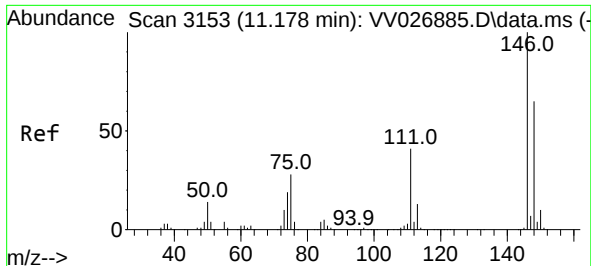
Tgt Ion:105 Resp: 819380  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 39.8 59.6



#63  
 1,2,4-Trimethylbenzene  
 Concen: 54.124 ug/L  
 RT: 10.915 min Scan# 3071  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

Tgt Ion:105 Resp: 835007  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 37.1 55.7

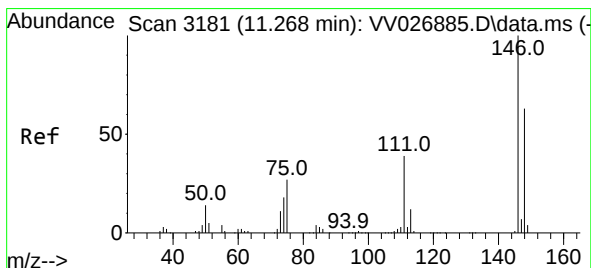
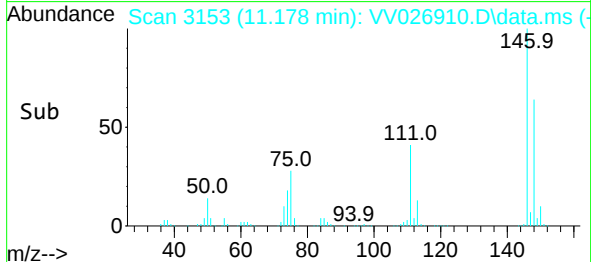
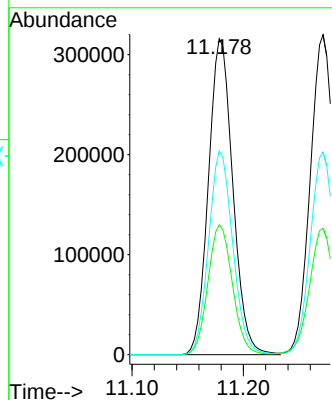
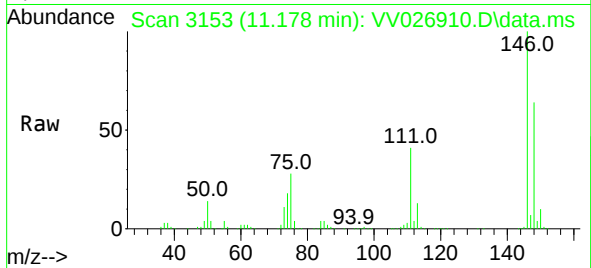




#64  
1,3-Dichlorobenzene  
Concen: 49.758 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

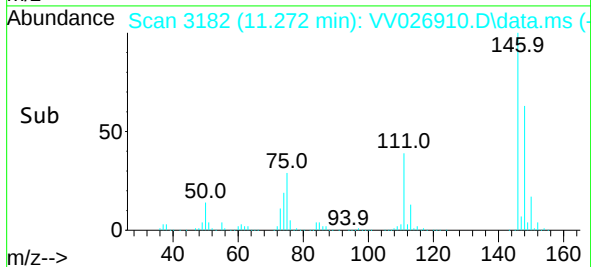
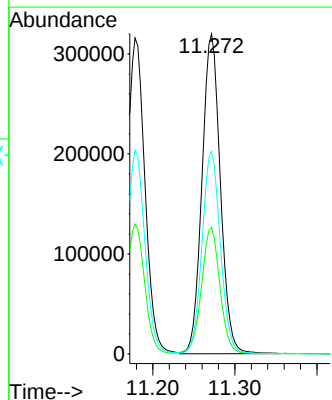
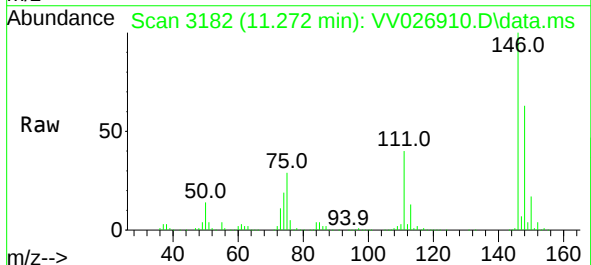
Instrument :  
MSVOA\_V  
ClientSampleId :

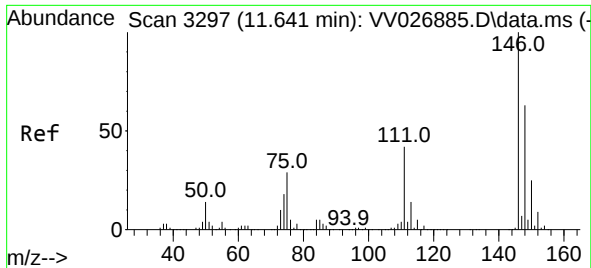
Tgt Ion:146 Resp: 481121  
Ion Ratio Lower Upper  
146 100  
111 41.1 27.9 51.9  
148 64.4 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 48.441 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion:146 Resp: 496314  
Ion Ratio Lower Upper  
146 100  
111 39.5 27.4 51.0  
148 63.3 44.4 82.4

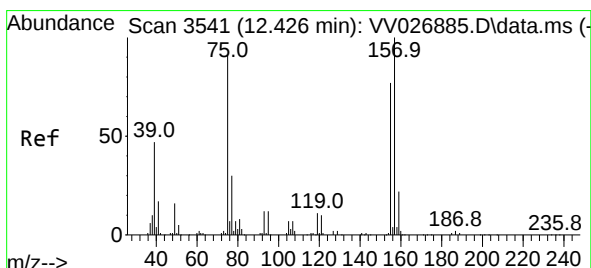
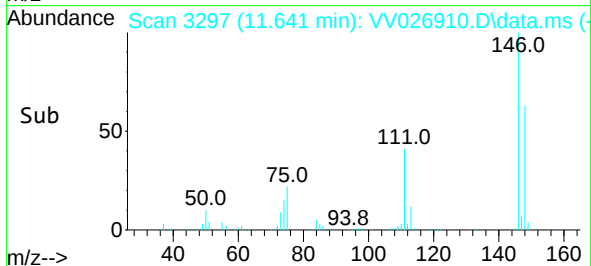
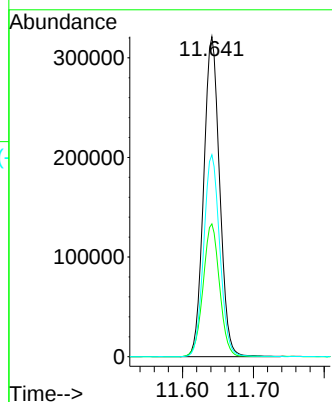
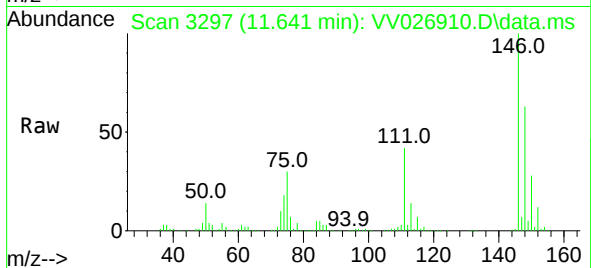




#67  
1,2-Dichlorobenzene  
Concen: 50.641 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

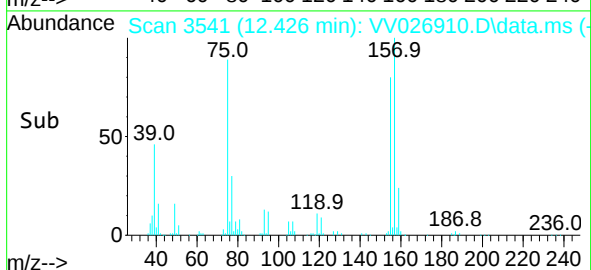
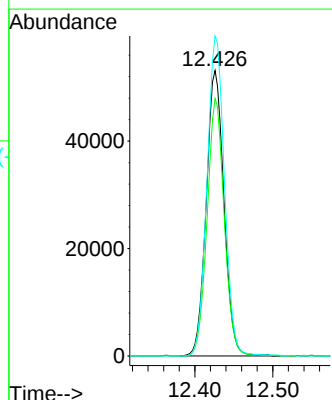
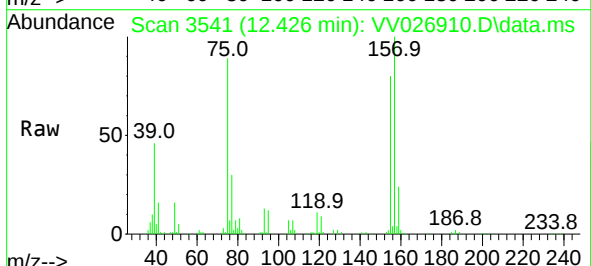
Instrument :  
MSVOA\_V  
ClientSampleId :

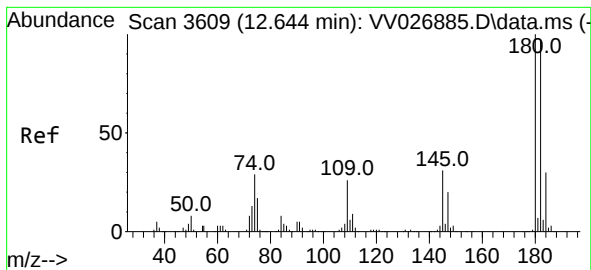
Tgt Ion:146 Resp: 502383  
Ion Ratio Lower Upper  
146 100  
111 41.5 33.2 49.8  
148 63.1 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.916 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

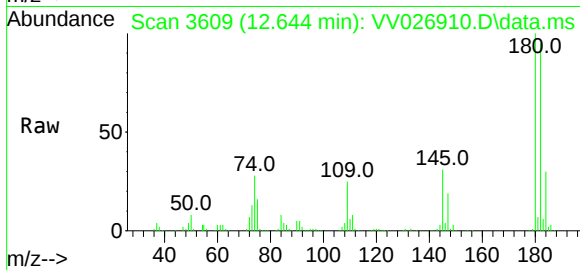
Tgt Ion: 75 Resp: 83979  
Ion Ratio Lower Upper  
75 100  
155 90.2 67.7 101.5  
157 112.1 87.1 130.7



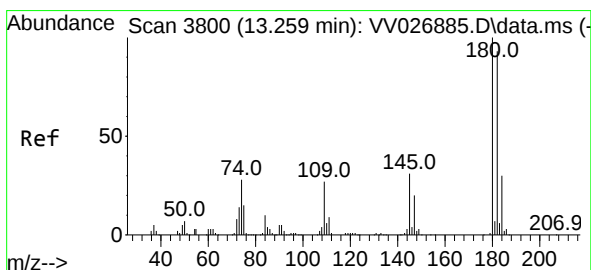
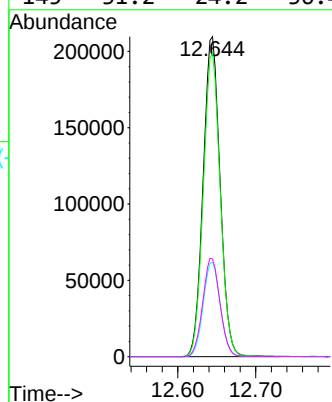
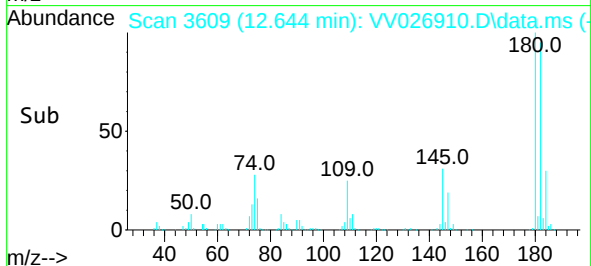


#69  
 1,3,5-Trichlorobenzene  
 Concen: 46.393 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00

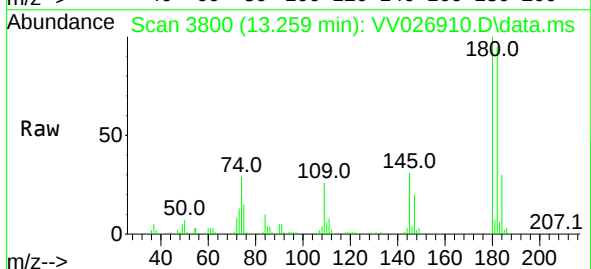
Instrument :  
 MSVOA\_V  
 ClientSampleId :



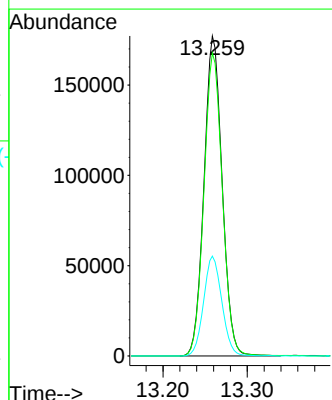
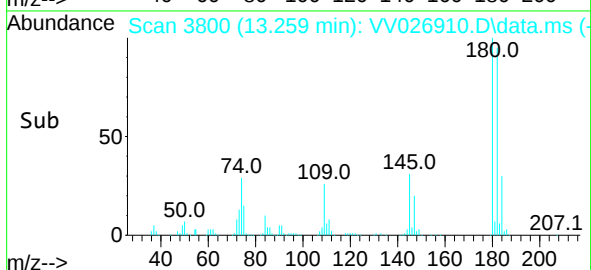
Tgt Ion:180 Resp: 317571  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 75.6 113.4  
 184 29.7 23.8 35.8  
 145 31.2 24.2 36.4

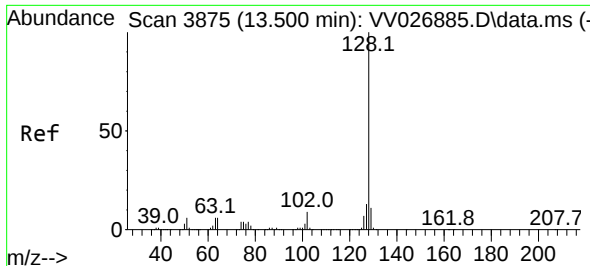


#70  
 1,2,4-trichlorobenzene  
 Concen: 46.088 ug/L  
 RT: 13.259 min Scan# 3800  
 Delta R.T. 0.000 min  
 Lab File: VV026910.D  
 Acq: 23 Jul 2022 01:00



Tgt Ion:180 Resp: 265813  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 76.2 114.4  
 145 31.3 25.0 37.6

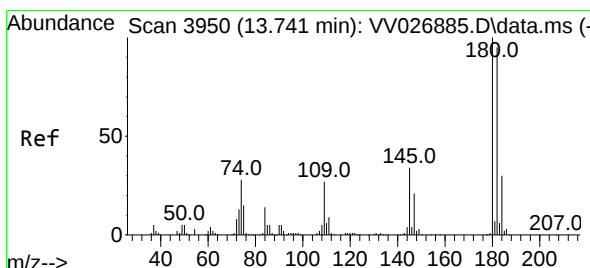
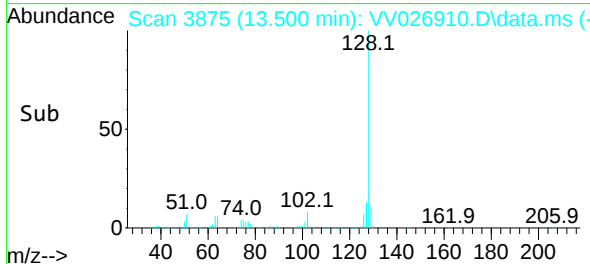
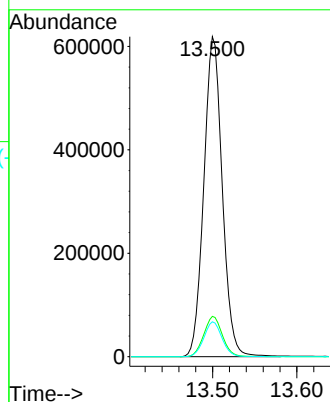
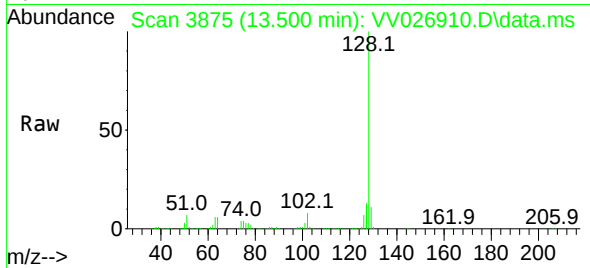




#71  
Naphthalene  
Concen: 52.038 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 943803  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.8 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 50.212 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV026910.D  
Acq: 23 Jul 2022 01:00

Tgt Ion:180 Resp: 302086  
Ion Ratio Lower Upper  
180 100  
182 94.5 75.4 113.2  
145 33.7 26.6 40.0

