

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW080122\  
 Data File : VW027183.D  
 Acq On : 02 Aug 2022 20:14  
 Operator : SY/MD  
 Sample : N4005-07MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

Quant Time: Aug 03 02:04:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 03 02:00:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 598007   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 576629   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 308317   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 162223   | 41.857   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.720%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 139581   | 48.129   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.260%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 315649   | 42.771   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.540%  |
| 21) 2-Butanone-d5             | 3.873   | 46    | 255892   | 100.286  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.290% |
| 24) Chloroform-d              | 4.343   | 84    | 355371   | 45.363   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.720%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 202388   | 45.535   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.060%  |
| 32) Benzene-d6                | 5.047   | 84    | 707625   | 46.376   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.760%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 219408   | 46.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.960%  |
| 41) Toluene-d8                | 7.313   | 98    | 650921   | 47.320   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.640%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 95441    | 46.071   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.140%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 191672   | 105.183  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 352399   | 49.945   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.900%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 250563   | 46.242   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.480%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 263375   | 46.027   | ug/L   | 99       |
| 3) Chloromethane              | 1.237   | 50    | 244266   | 45.018   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 277058   | 49.055   | ug/L   | 99       |
| 6) Bromomethane               | 1.513   | 94    | 123145   | 42.044   | ug/L   | 98       |
| 8) Chloroethane               | 1.577   | 64    | 159533   | 52.719   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 339561   | 45.632   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 194094   | 45.480   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 186913   | 45.074   | ug/L   | 95       |
| 13) Acetone                   | 2.163   | 43    | 202850   | 94.147   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.288   | 76    | 557131   | 45.113   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 175783   | 37.500   | ug/L   | 100      |
| 16) Methylene chloride        | 2.500   | 84    | 238246   | 45.326   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.754   | 96    | 1692563  | 383.466  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 651147   | 51.354   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 373231   | 46.177   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905   | 96    | 1271814  | 271.447  | ug/L   | 99       |
| 22) 2-Butanone                | 3.957   | 43    | 308973   | 104.064  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243   | 128   | 123379   | 46.348   | ug/L   | 96       |
| 25) Chloroform                | 4.371   | 83    | 395762   | 46.506   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
 Data File : VV027183.D  
 Acq On : 02 Aug 2022 20:14  
 Operator : SY/MD  
 Sample : N4005-07MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

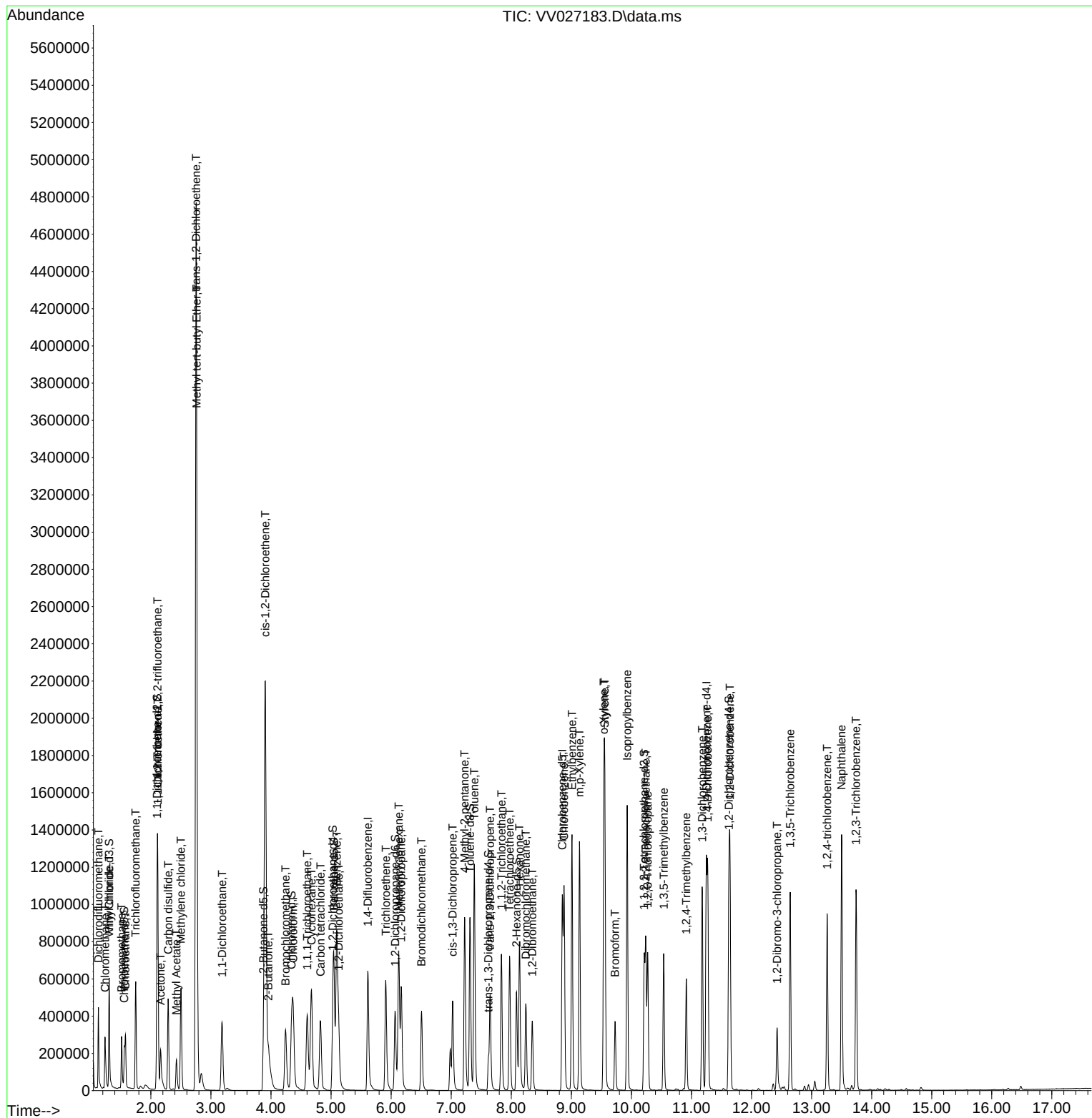
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

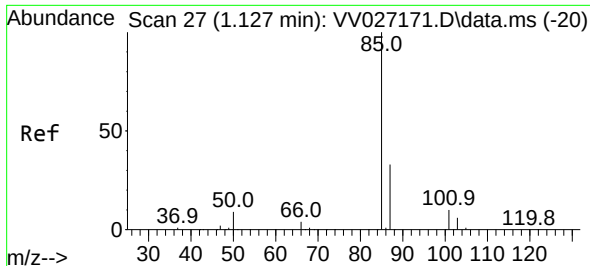
Quant Time: Aug 03 02:04:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 03 02:00:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 288065   | 48.891  | ug/L  | 99       |
| 29) Cyclohexane               | 4.674  | 56   | 279994   | 47.960  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 342006   | 47.299  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 302344   | 48.627  | ug/L  | 97       |
| 33) Benzene                   | 5.095  | 78   | 898007   | 50.776  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 219279   | 48.213  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 319759   | 47.371  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 233093   | 50.204  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 298661   | 48.563  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 314364   | 48.265  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 588115   | 107.177 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 936686   | 51.340  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 307979   | 49.213  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 241968   | 49.577  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.973  | 164  | 169891   | 48.926  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.137  | 43   | 465836   | 109.188 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 248367   | 49.022  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 250132   | 49.503  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 614546   | 48.674  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 954024   | 51.023  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 379380   | 51.724  | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 372831   | 51.927  | ug/L  | 98       |
| 55) Styrene                   | 9.558  | 104  | 677100   | 54.260  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 396505   | 50.101  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 167497   | 47.056  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 955399   | 50.502  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 304422   | 47.557  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 394618   | 48.158  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 324913   | 49.076  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 456528   | 48.965  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 475254   | 48.319  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 480102   | 49.036  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 83954    | 49.022  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 323081   | 48.842  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 283965   | 51.127  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 1046092  | 57.337  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 321949   | 53.007  | ug/L  | 99       |

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

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QLast Update : Wed Aug 03 02:00:39 2022  
Response via : Initial Calibration

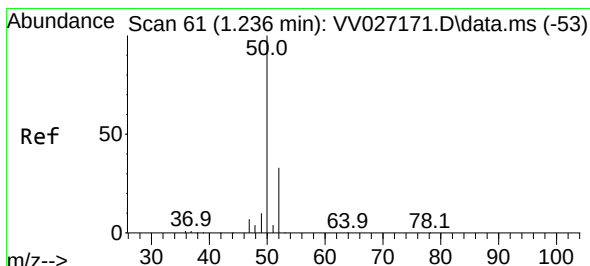
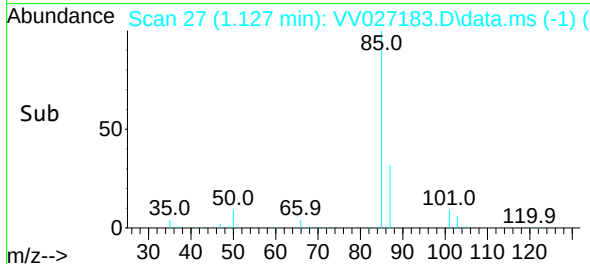
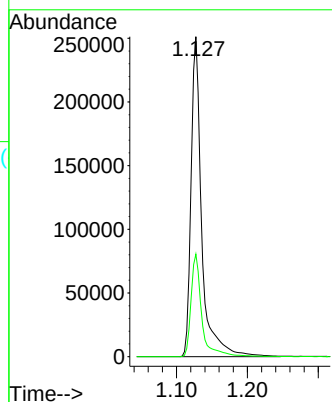
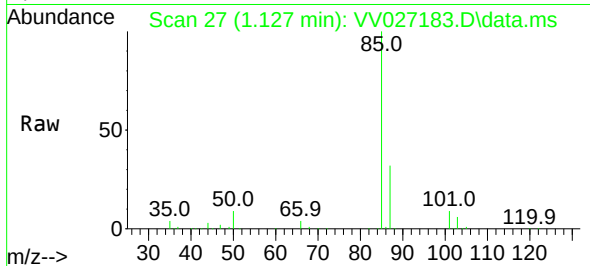




#2  
 Dichlorodifluoromethane  
 Concen: 46.027 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

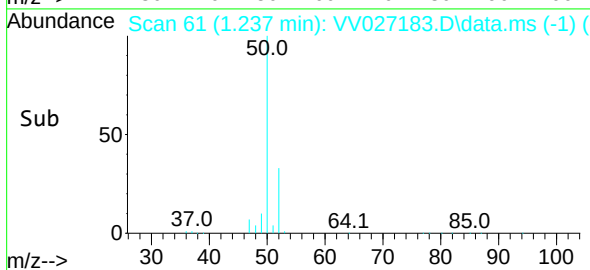
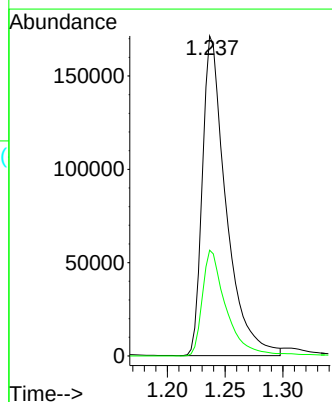
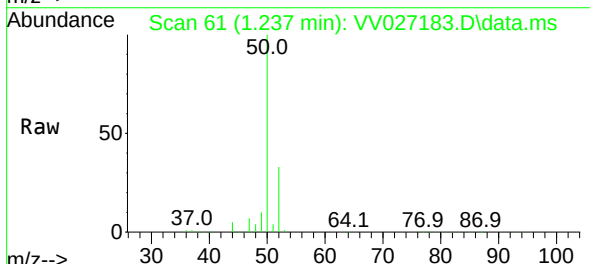
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

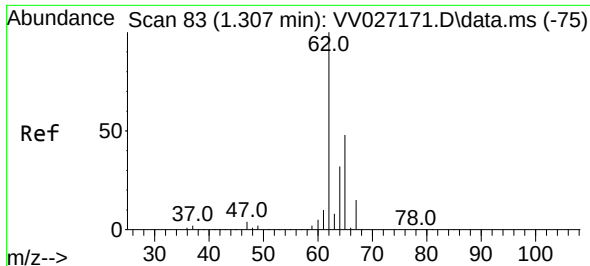
Tgt Ion: 85 Resp: 263375  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 26.3 39.5



#3  
 Chloromethane  
 Concen: 45.018 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Tgt Ion: 50 Resp: 244266  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 23.7 43.9

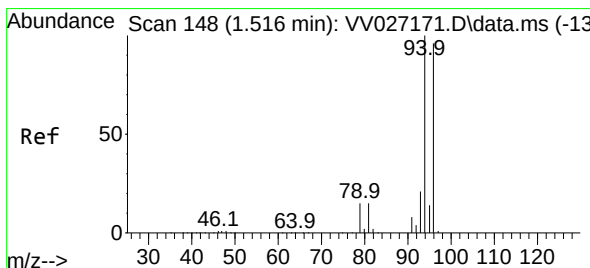
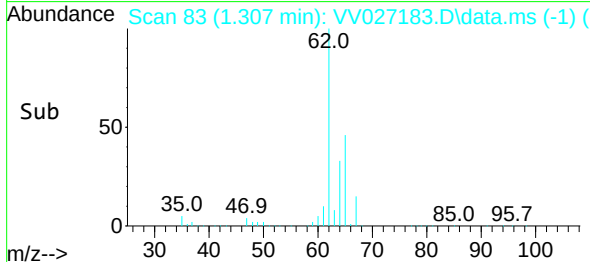
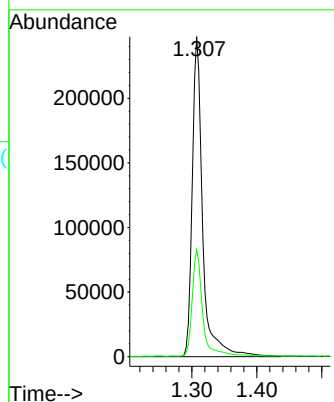
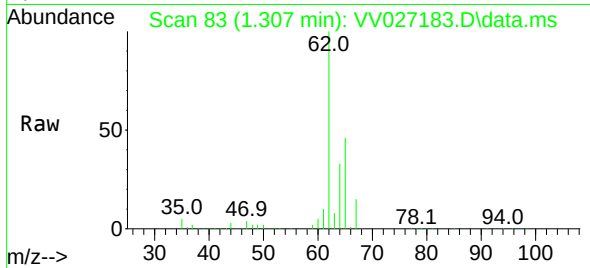




#5  
 Vinyl chloride  
 Concen: 49.055 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

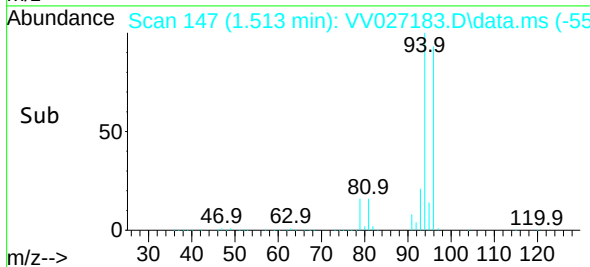
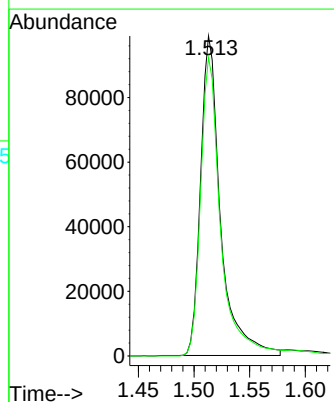
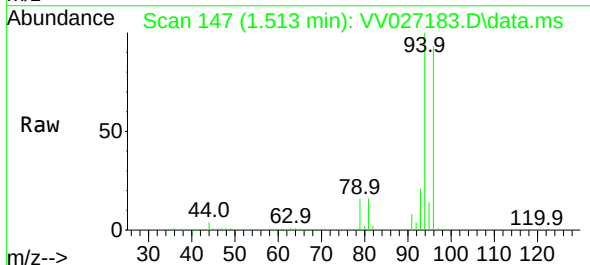
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

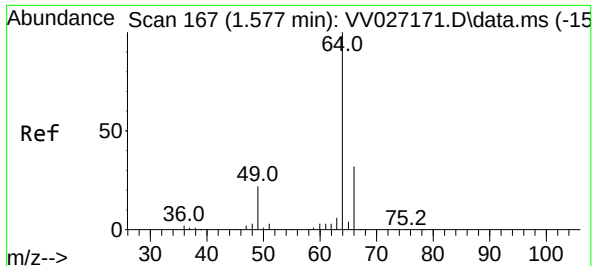
Tgt Ion: 62 Resp: 277058  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.1 42.9



#6  
 Bromomethane  
 Concen: 42.044 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.003 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Tgt Ion: 94 Resp: 123145  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 66.6 123.6

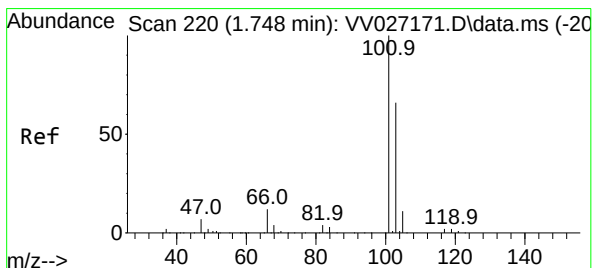
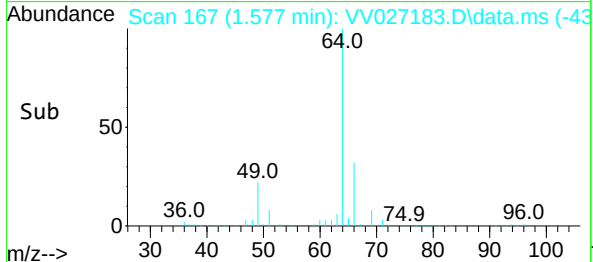
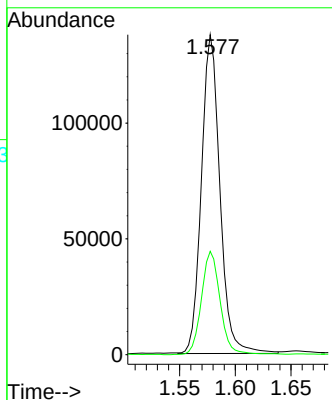
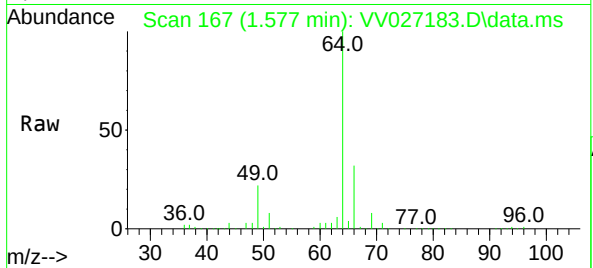




#8  
Chloroethane  
Concen: 52.719 ug/L  
RT: 1.577 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

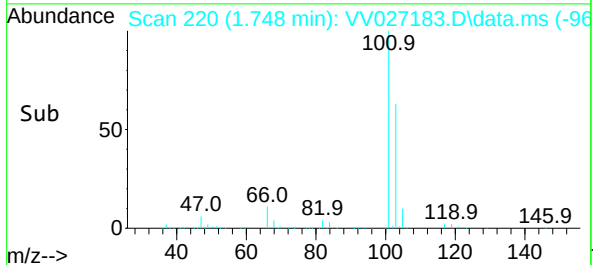
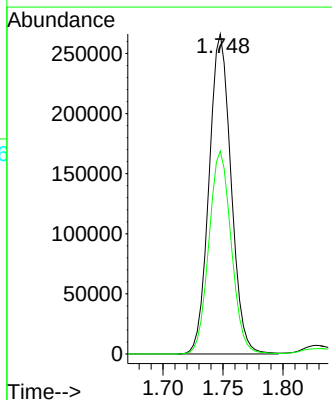
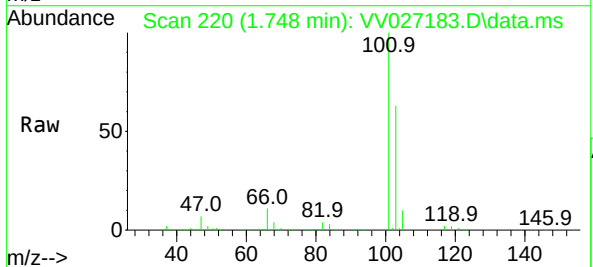
Instrument :  
MSVOA\_V  
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EY157MSD

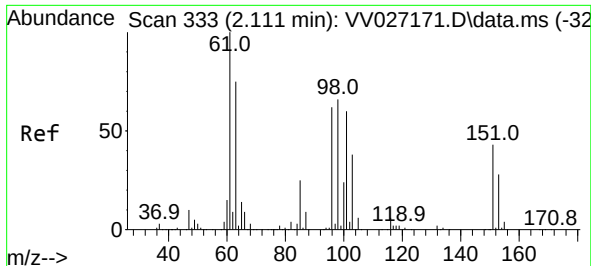
Tgt Ion: 64 Resp: 159533  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 45.632 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion:101 Resp: 339561  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.8 77.8

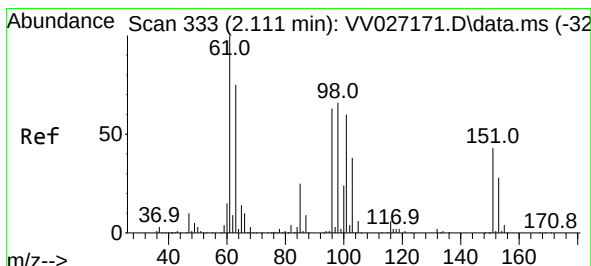
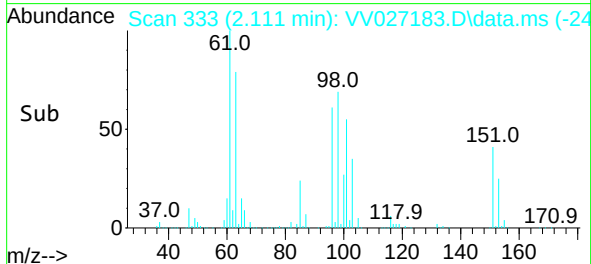
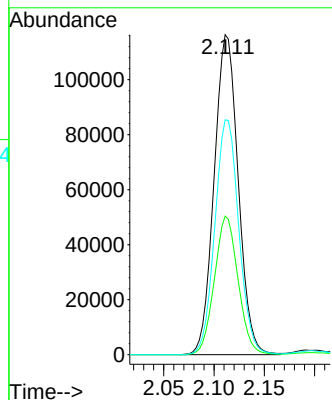
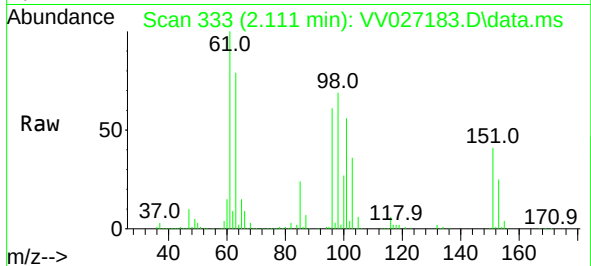




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 45.480 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

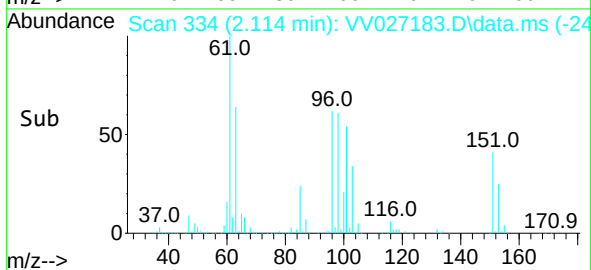
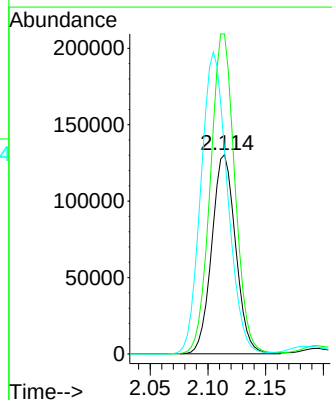
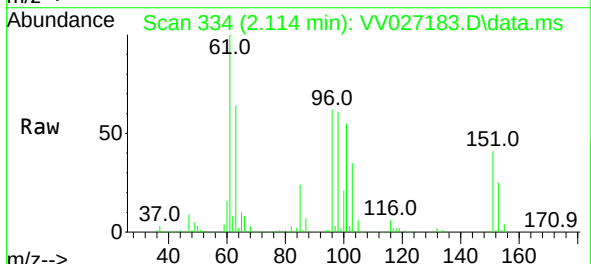
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

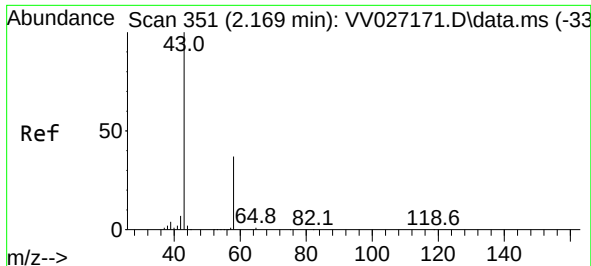
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 85 42.5 33.9 50.9  
 151 73.3 58.4 87.6



#12  
 1,1-Dichloroethene  
 Concen: 45.074 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.003 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Tgt Ion: 96 Resp: 186913  
 Ion Ratio Lower Upper  
 96 100  
 61 160.4 110.7 205.5  
 63 102.1 78.4 145.6





#13

Acetone

Concen: 94.147 ug/L

RT: 2.163 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

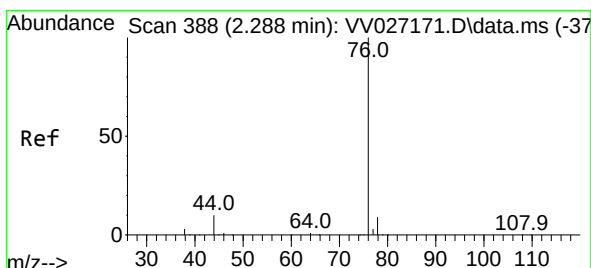
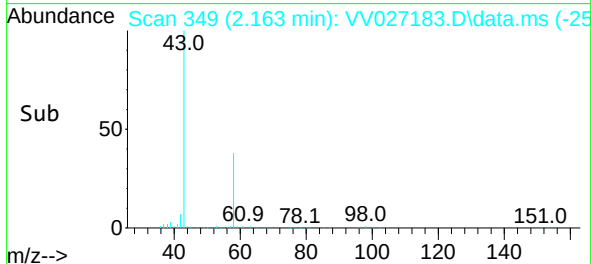
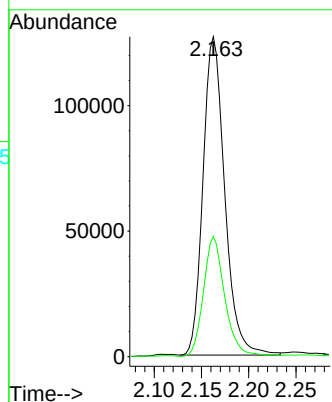
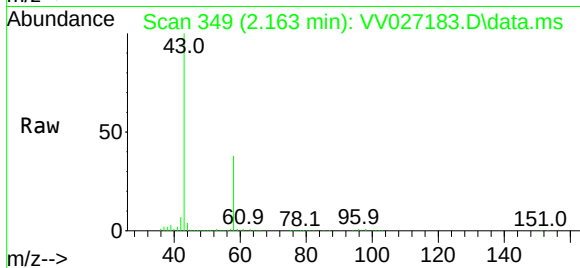
EY157MSD

Tgt Ion: 43 Resp: 202850

Ion Ratio Lower Upper

43 100

58 36.6 0.0 73.6



#14

Carbon disulfide

Concen: 45.113 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV027183.D

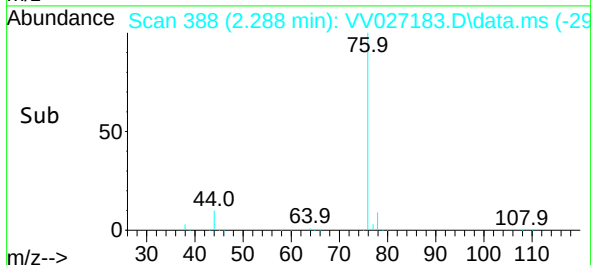
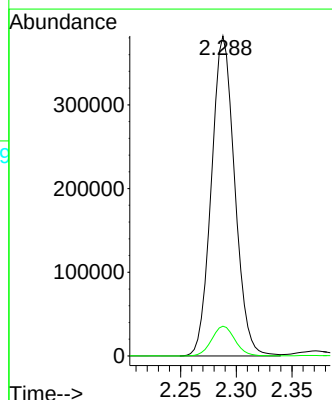
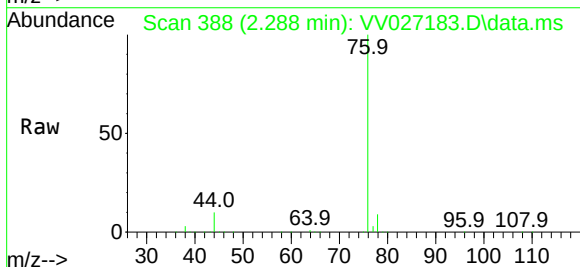
Acq: 02 Aug 2022 20:14

Tgt Ion: 76 Resp: 557131

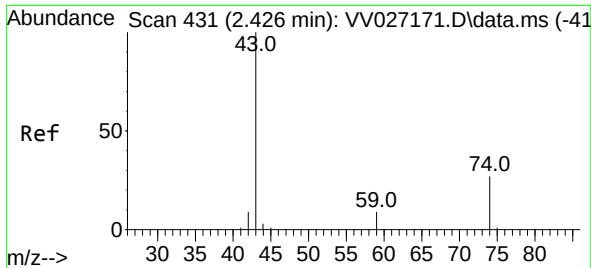
Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



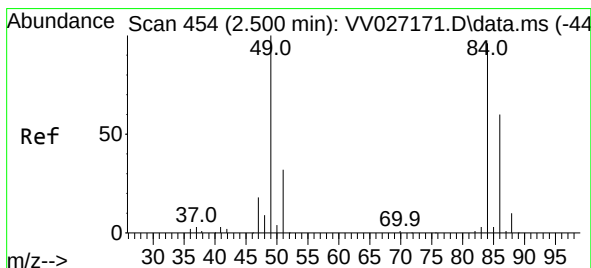
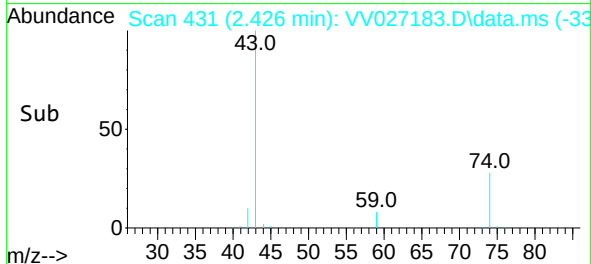
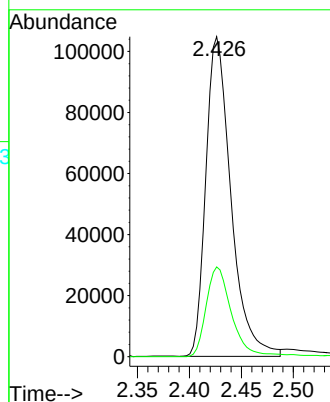
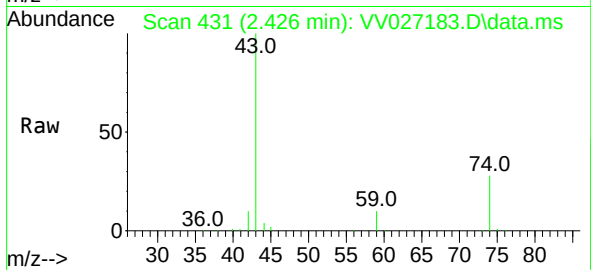




#15  
Methyl Acetate  
Concen: 37.500 ug/L  
RT: 2.426 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

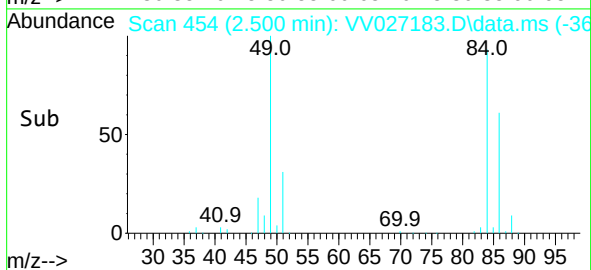
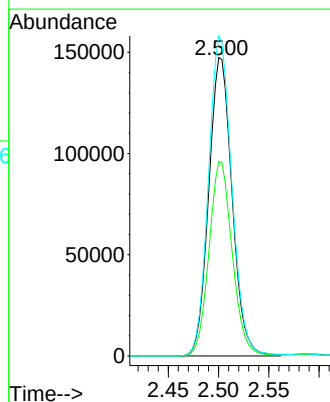
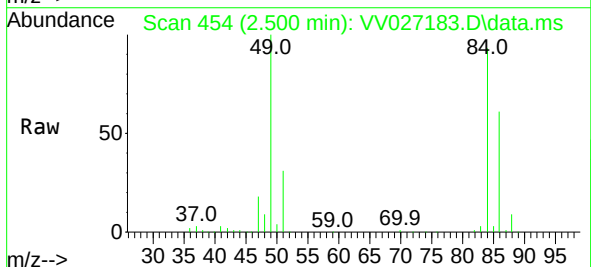
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

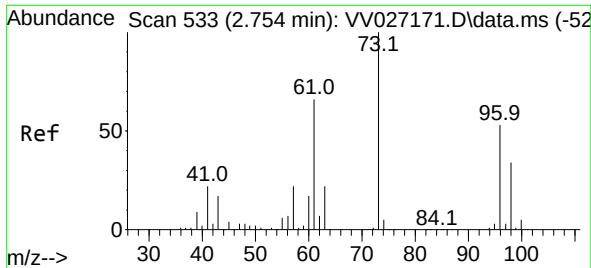
Tgt Ion: 43 Resp: 175783  
Ion Ratio Lower Upper  
43 100  
74 28.2 22.4 33.6



#16  
Methylene chloride  
Concen: 45.326 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion: 84 Resp: 238246  
Ion Ratio Lower Upper  
84 100  
86 65.2 45.3 84.1  
49 107.3 76.0 141.2



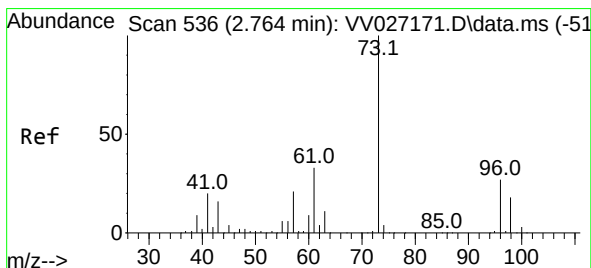
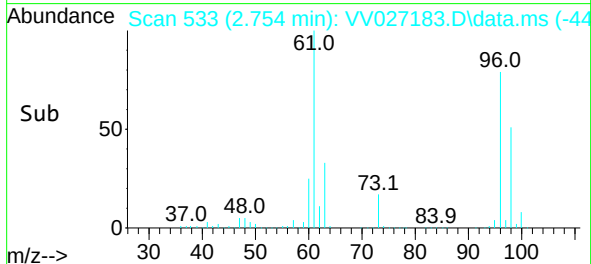
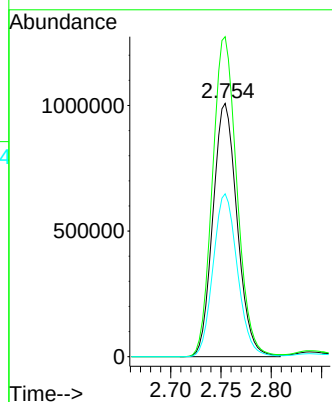
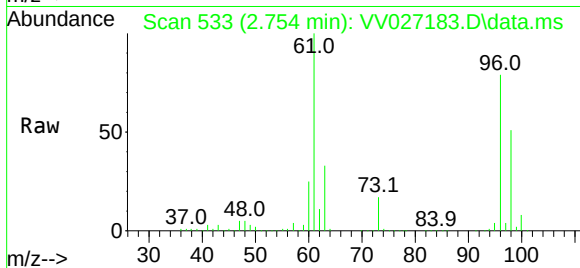


#17  
 trans-1,2-Dichloroethene  
 Concen: 383.466 ug/L  
 RT: 2.754 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

Tgt Ion: 96 Resp: 1692563

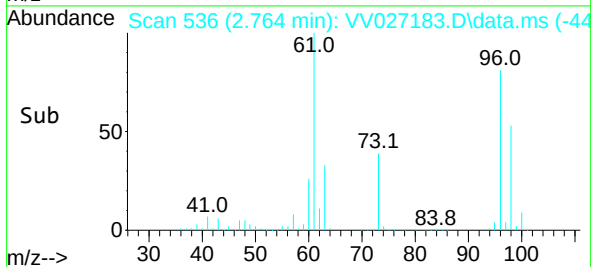
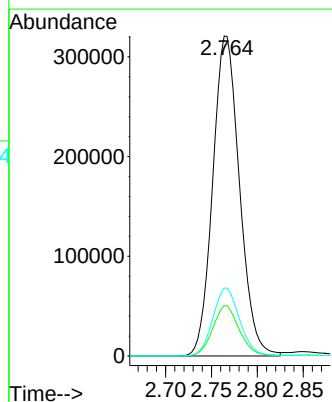
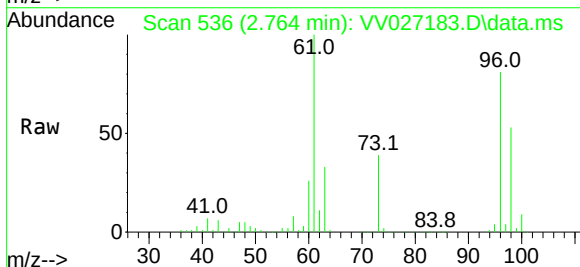
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.3 | 89.2  | 165.6 |
| 98  | 64.3  | 43.3  | 80.3  |

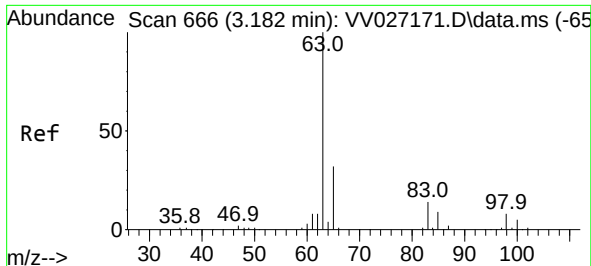


#18  
 Methyl tert-butyl Ether  
 Concen: 51.354 ug/L  
 RT: 2.764 min Scan# 536  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Tgt Ion: 73 Resp: 651147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 15.5  | 12.6  | 18.8  |
| 57  | 21.3  | 17.2  | 25.8  |





#19

1,1-Dichloroethane

Concen: 46.177 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

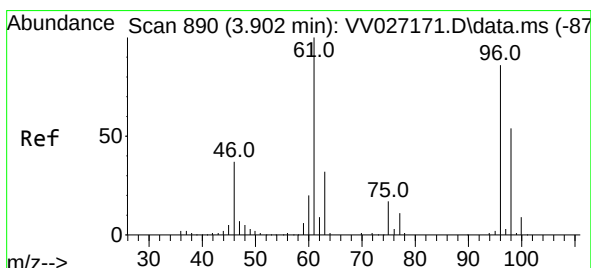
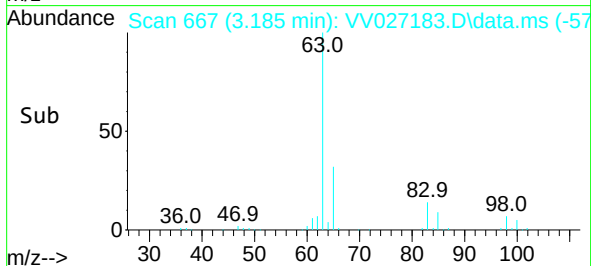
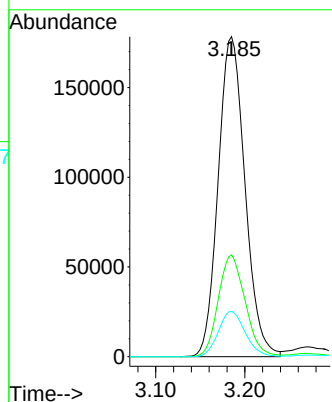
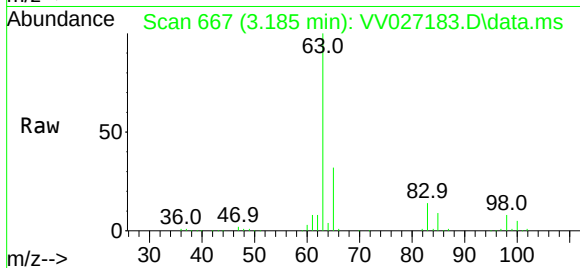
Tgt Ion: 63 Resp: 373231

Ion Ratio Lower Upper

63 100

65 31.8 22.9 42.5

83 14.1 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 271.447 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

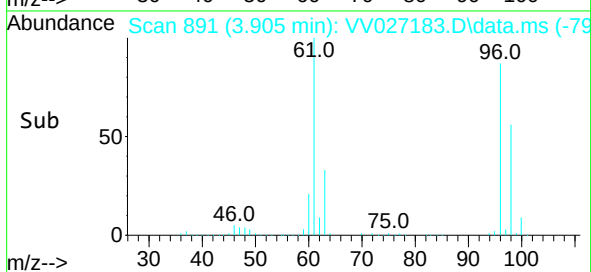
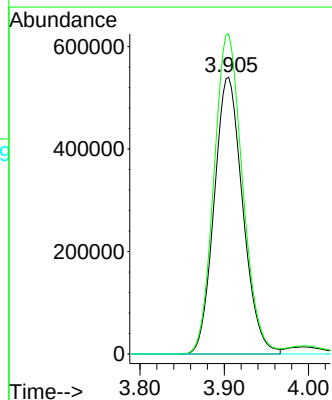
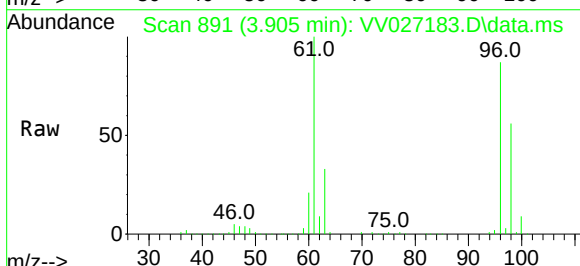
Tgt Ion: 96 Resp: 1271814

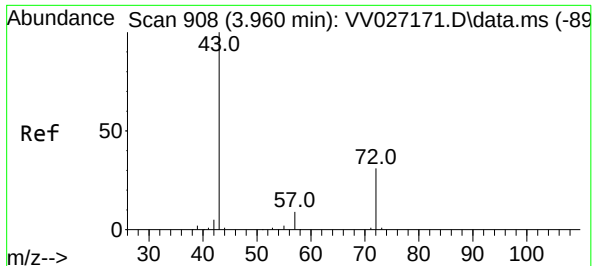
Ion Ratio Lower Upper

96 100

61 115.6 81.7 151.7

68 0.0 0.0 0.0

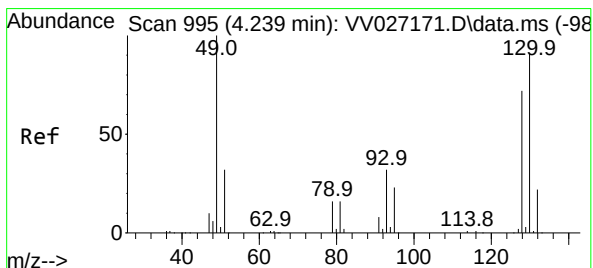
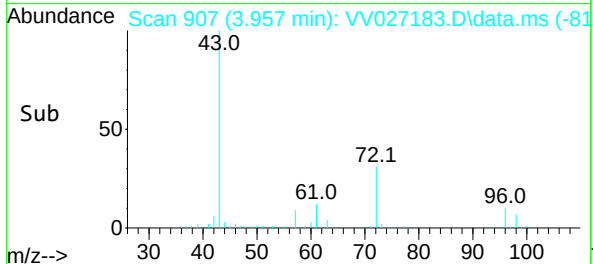
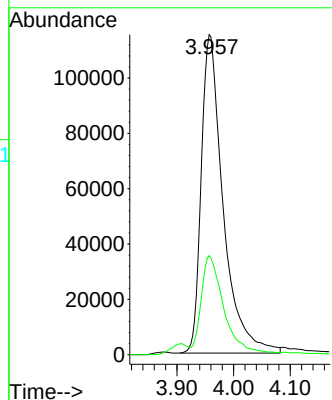
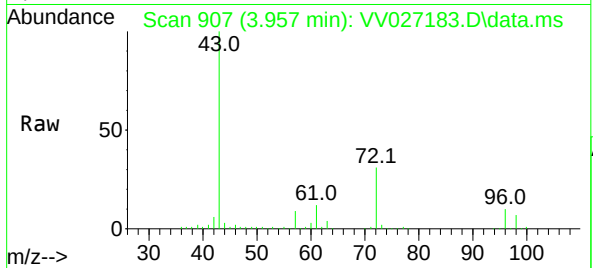




#22  
2-Butanone  
Concen: 104.064 ug/L  
RT: 3.957 min Scan# 908  
Delta R.T. -0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

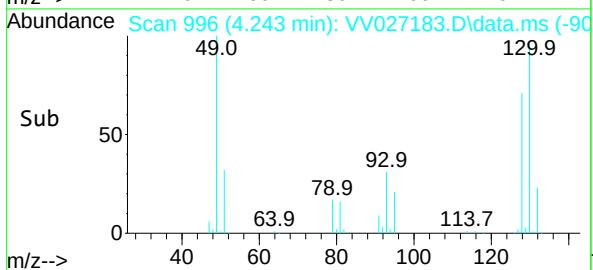
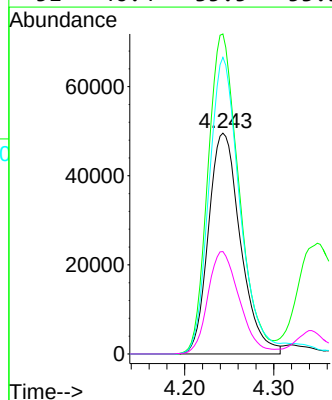
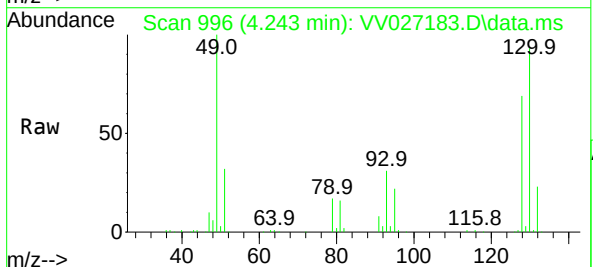
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

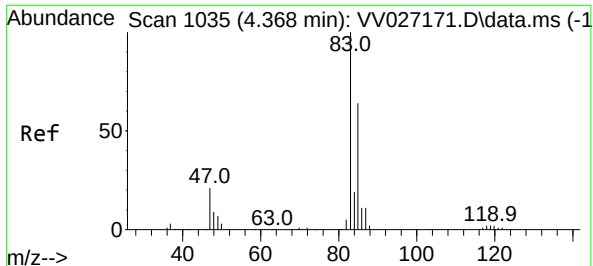
Tgt Ion: 43 Resp: 308973  
Ion Ratio Lower Upper  
43 100  
72 30.6 15.7 47.1



#23  
Bromochloromethane  
Concen: 46.348 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion:128 Resp: 123379  
Ion Ratio Lower Upper  
128 100  
49 145.0 98.6 183.2  
130 134.4 89.7 166.5  
51 46.4 35.5 53.3





#25

Chloroform

Concen: 46.506 ug/L

RT: 4.371 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

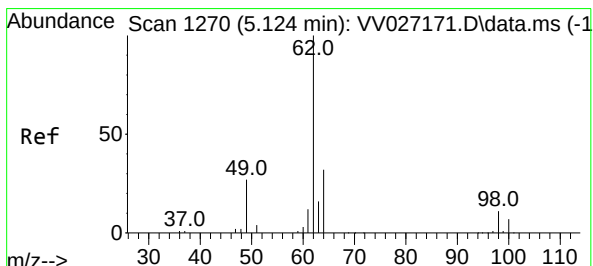
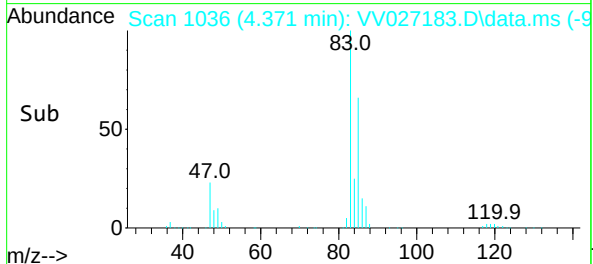
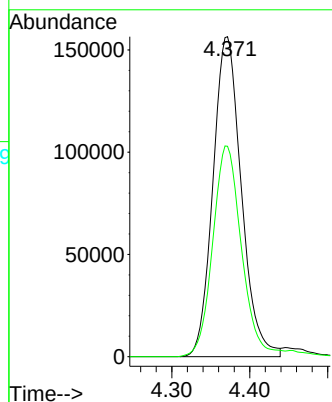
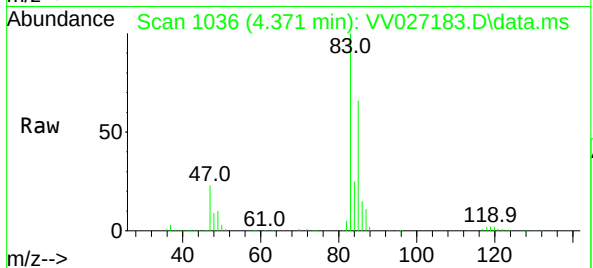
EY157MSD

Tgt Ion: 83 Resp: 395762

Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.891 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV027183.D

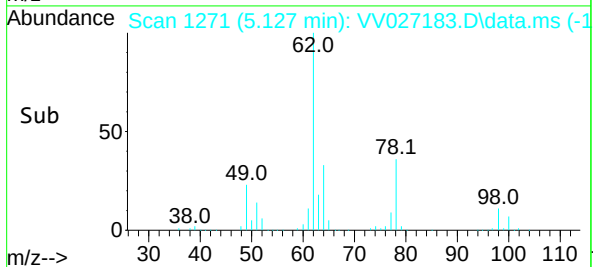
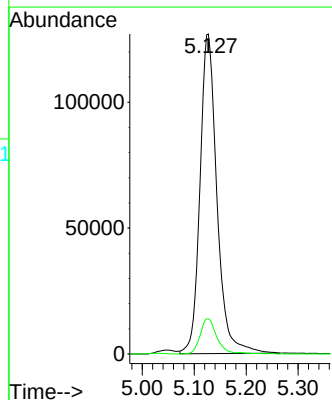
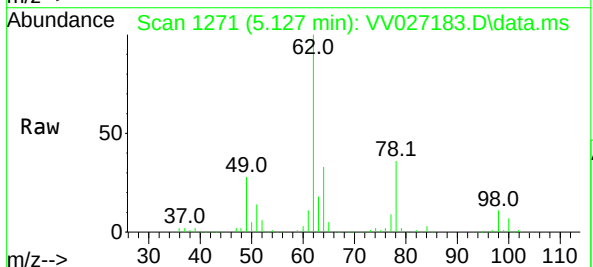
Acq: 02 Aug 2022 20:14

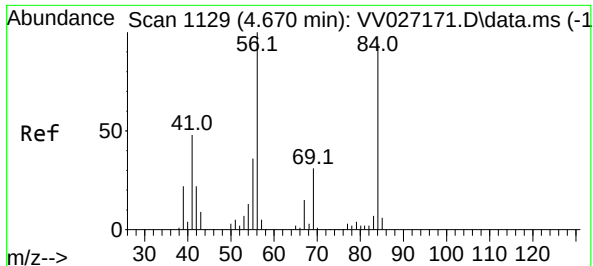
Tgt Ion: 62 Resp: 288065

Ion Ratio Lower Upper

62 100

98 11.0 9.2 13.8





#29

Cyclohexane

Concen: 47.960 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

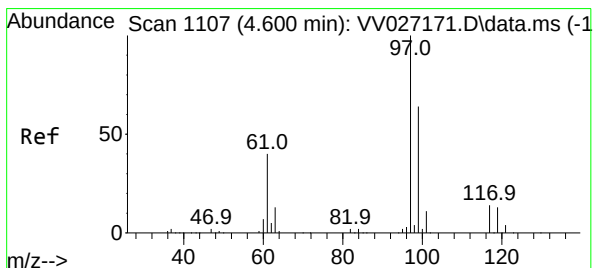
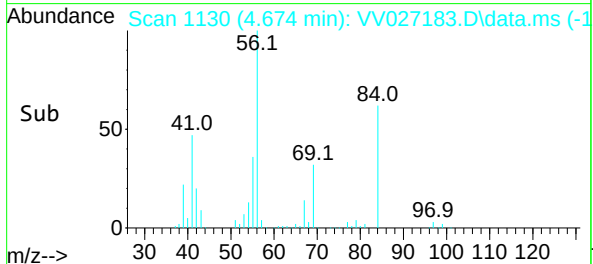
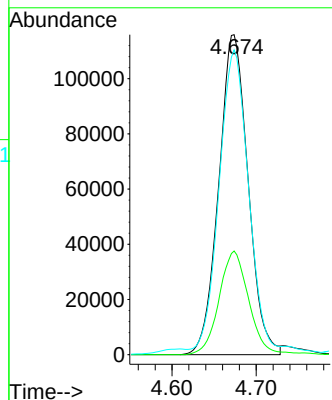
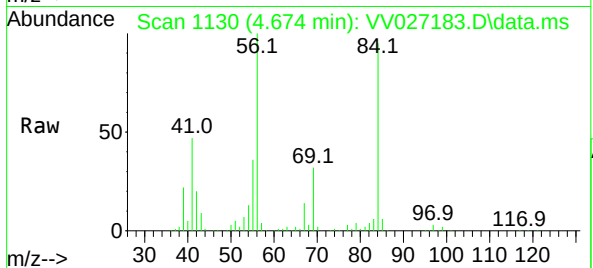
Tgt Ion: 56 Resp: 279994

Ion Ratio Lower Upper

56 100

69 32.8 26.1 39.1

84 92.1 77.3 115.9



#30

1,1,1-Trichloroethane

Concen: 47.299 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

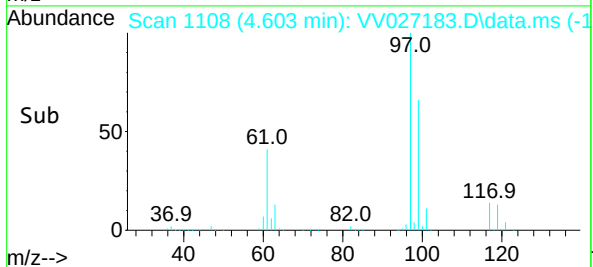
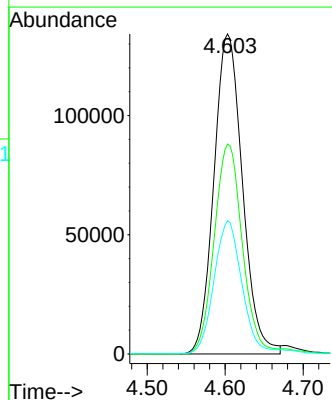
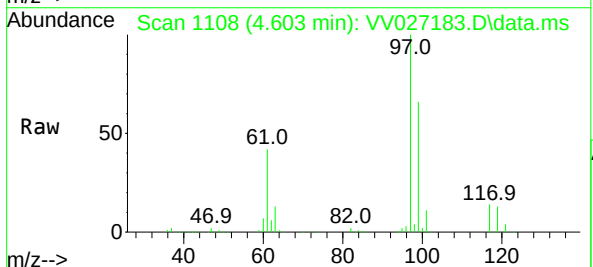
Tgt Ion: 97 Resp: 342006

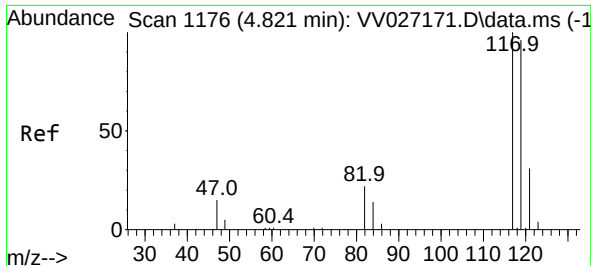
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

61 40.1 32.7 49.1

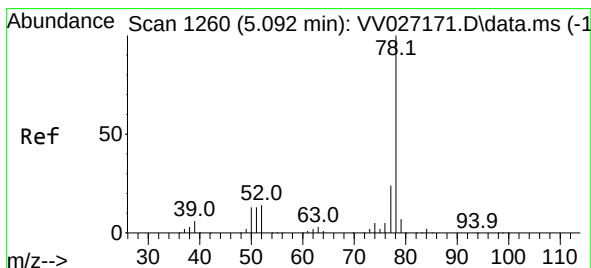
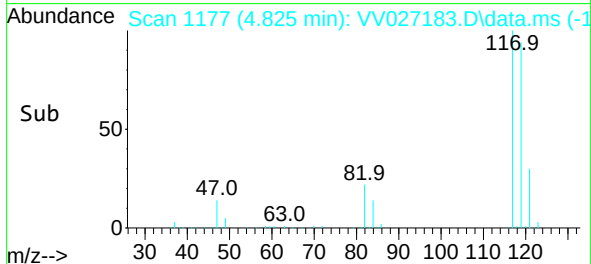
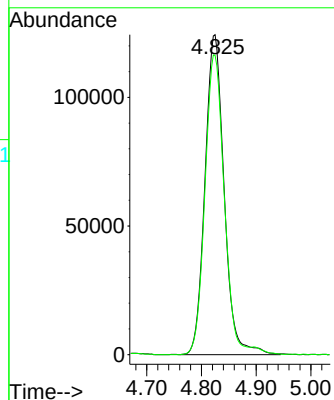
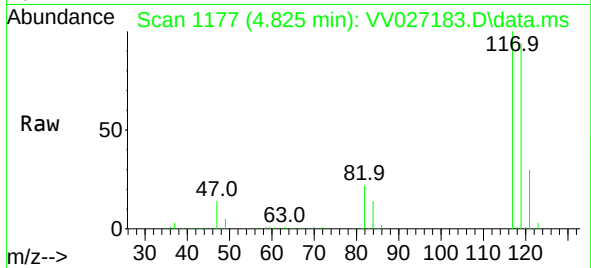




#31  
Carbon tetrachloride  
Concen: 48.627 ug/L  
RT: 4.825 min Scan# 1176  
Delta R.T. 0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

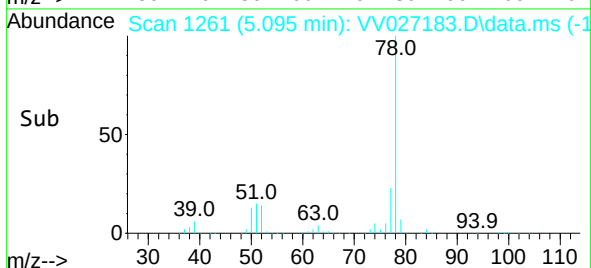
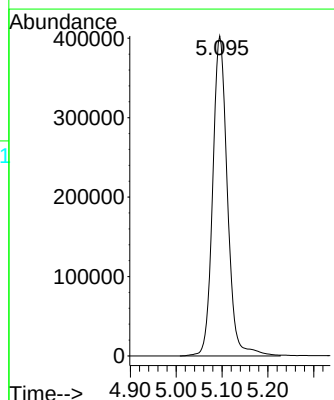
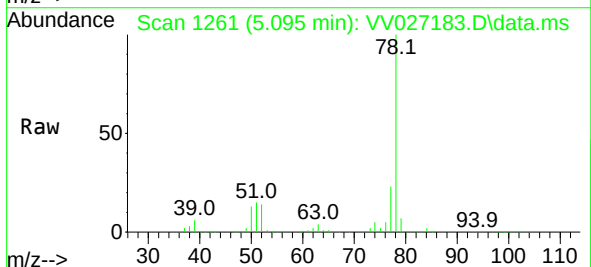
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

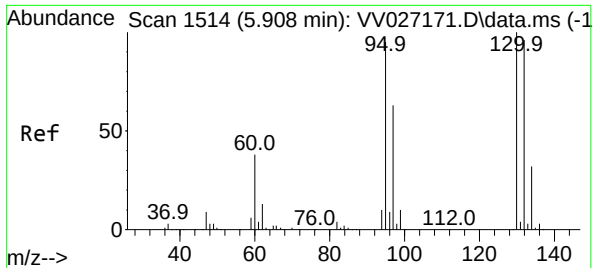
Tgt Ion:117 Resp: 302344  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.1 115.7



#33  
Benzene  
Concen: 50.776 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion: 78 Resp: 898007

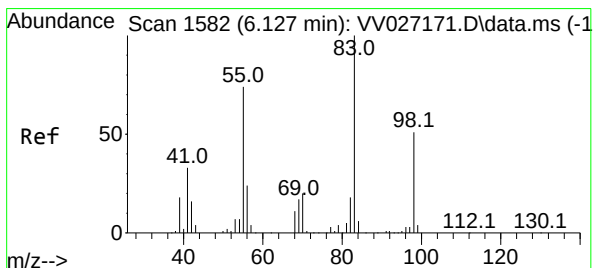
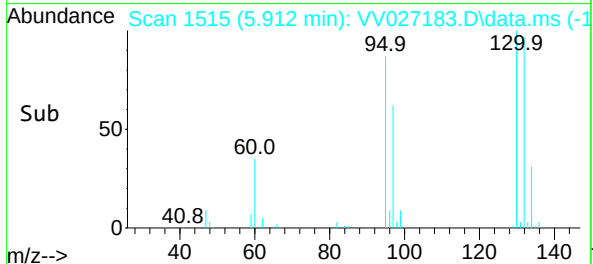
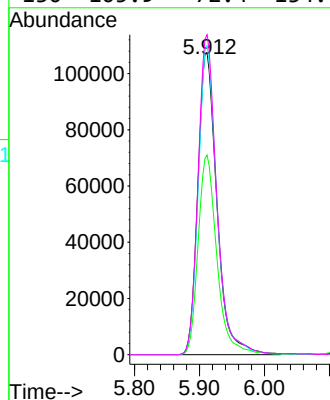
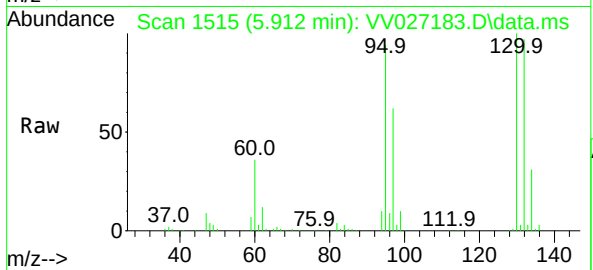




#34  
Trichloroethene  
Concen: 48.213 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

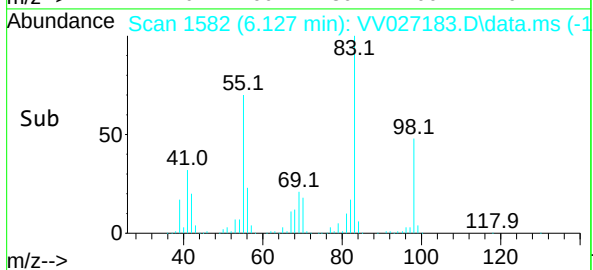
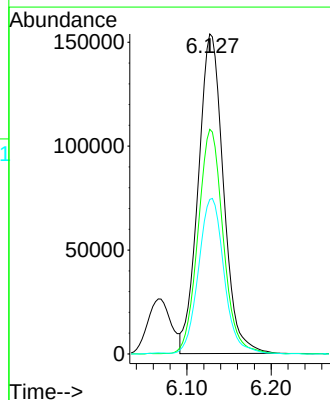
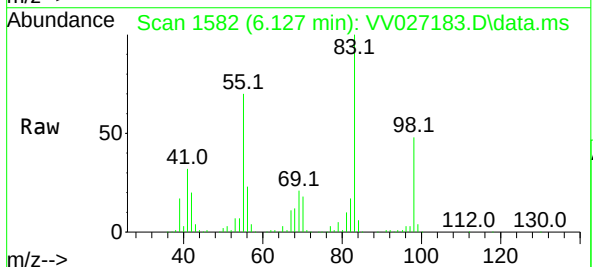
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

Tgt Ion: 95 Resp: 219279  
Ion Ratio Lower Upper  
95 100  
97 66.0 47.0 87.2  
132 102.3 71.5 132.7  
130 105.9 72.4 134.4

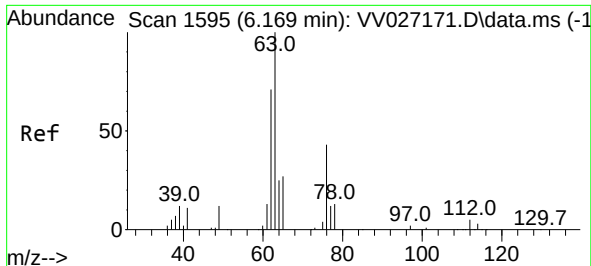


#35  
Methylcyclohexane  
Concen: 47.371 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion: 83 Resp: 319759  
Ion Ratio Lower Upper  
83 100  
55 70.4 56.2 84.4  
98 49.7 39.6 59.4







#37

1,2-Dichloropropane

Concen: 50.204 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

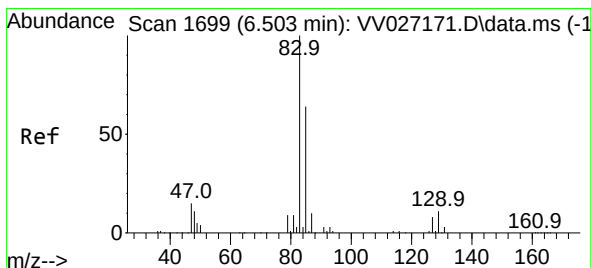
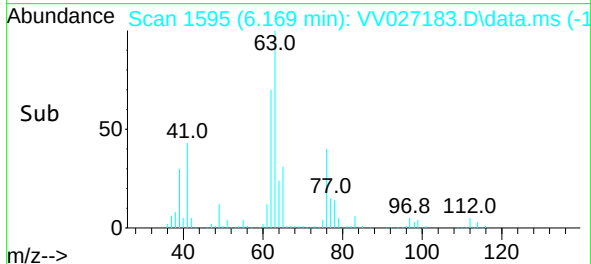
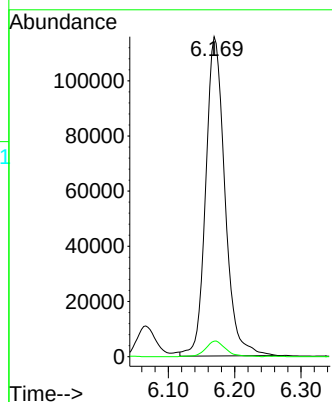
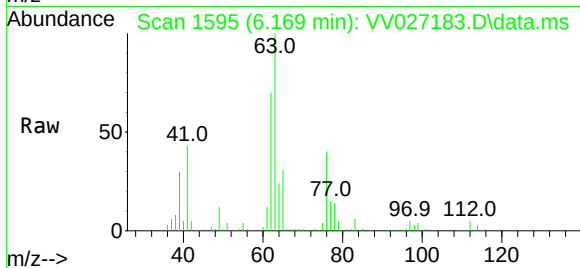
EY157MSD

Tgt Ion: 63 Resp: 233093

Ion Ratio Lower Upper

63 100

112 5.2 4.0 6.0



#38

Bromodichloromethane

Concen: 48.563 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

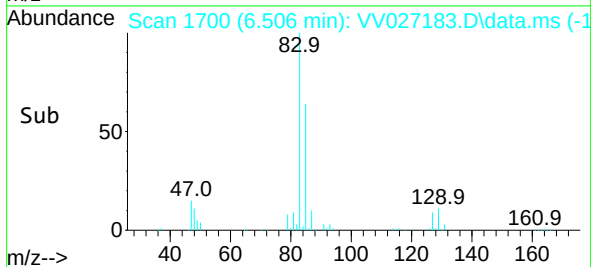
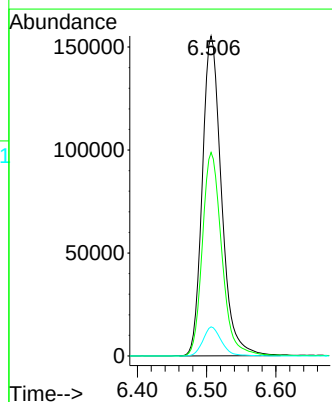
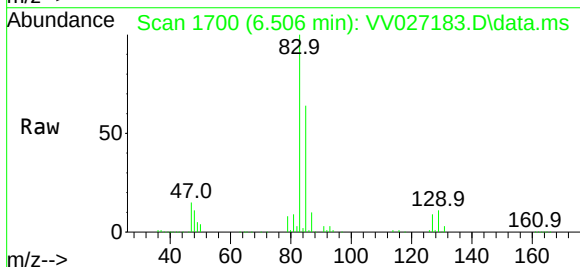
Tgt Ion: 83 Resp: 298661

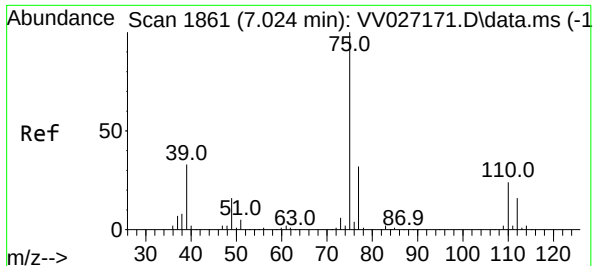
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

127 9.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 48.265 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

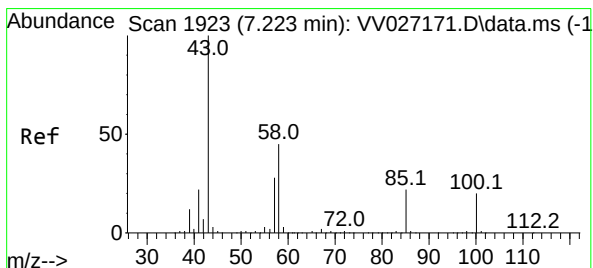
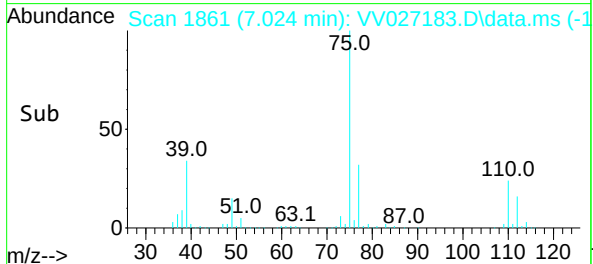
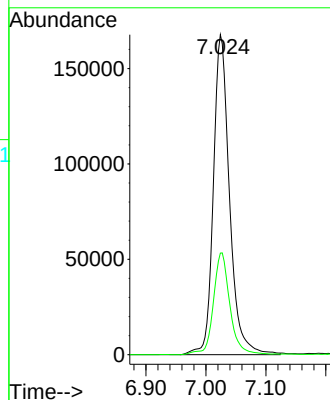
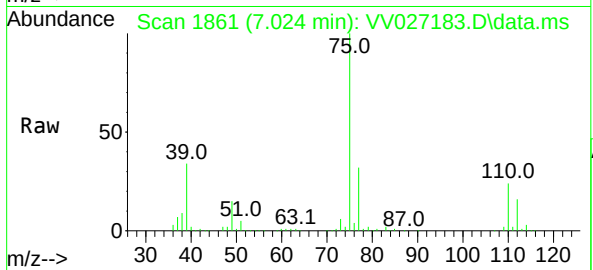
EY157MSD

Tgt Ion: 75 Resp: 314364

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 107.177 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

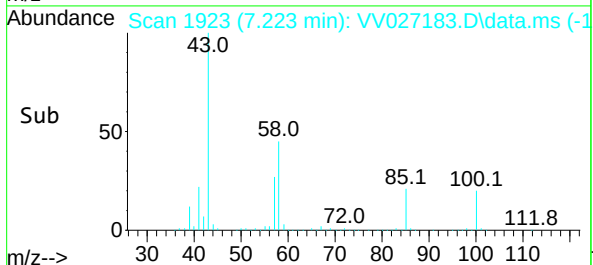
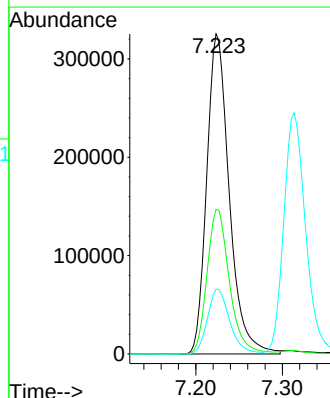
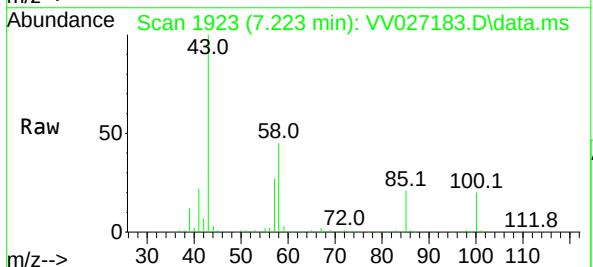
Tgt Ion: 43 Resp: 588115

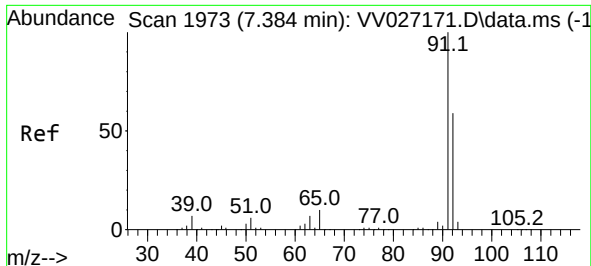
Ion Ratio Lower Upper

43 100

58 44.8 36.1 54.1

100 20.1 15.8 23.6





#42

Toluene

Concen: 51.340 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

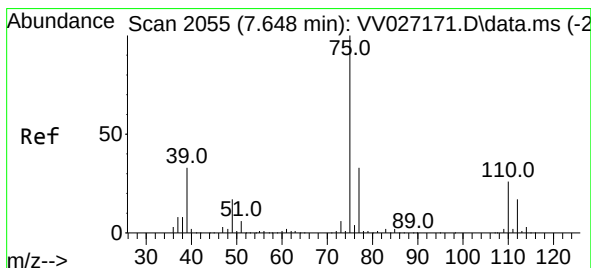
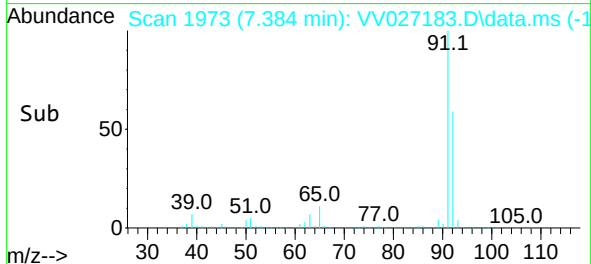
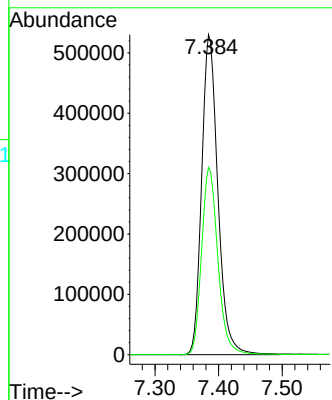
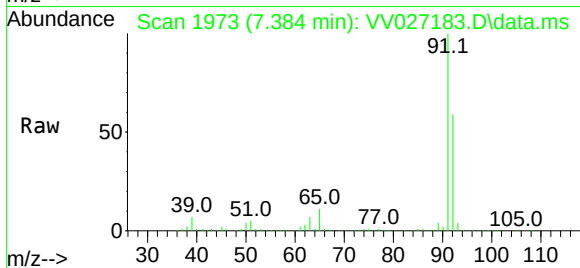
EY157MSD

Tgt Ion: 91 Resp: 936686

Ion Ratio Lower Upper

91 100

92 58.6 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 49.213 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027183.D

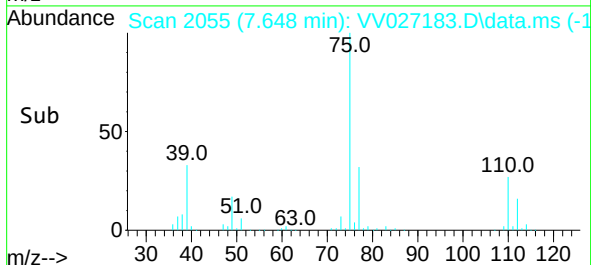
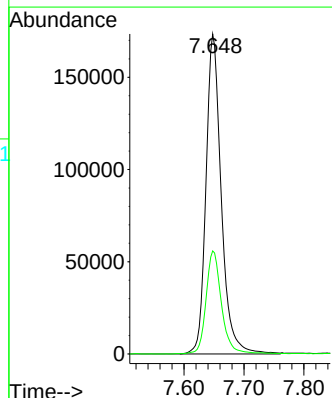
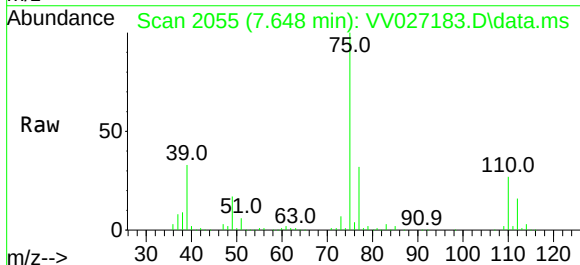
Acq: 02 Aug 2022 20:14

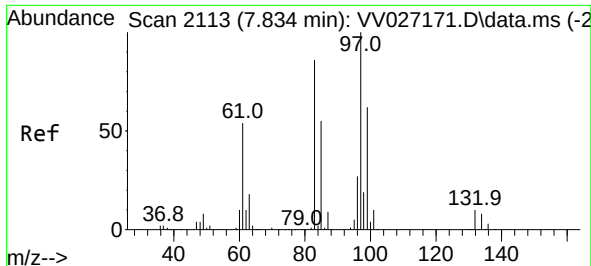
Tgt Ion: 75 Resp: 307979

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8

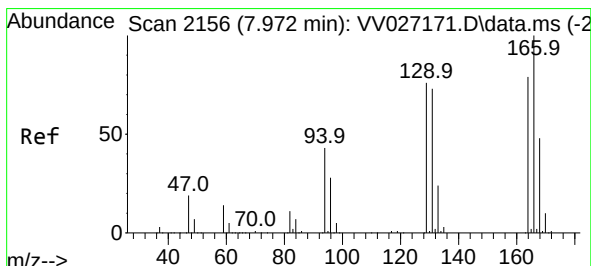
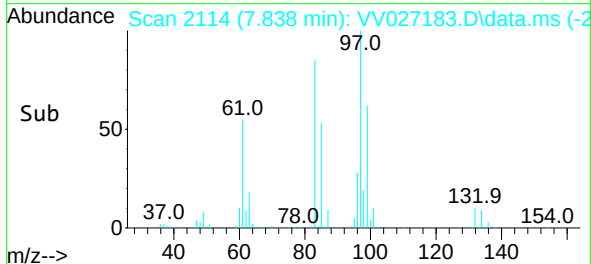
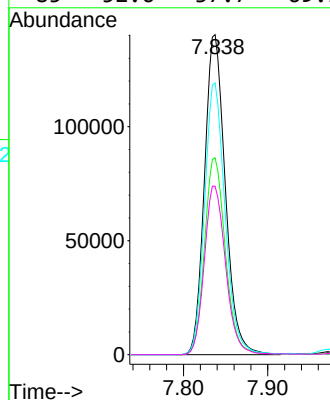
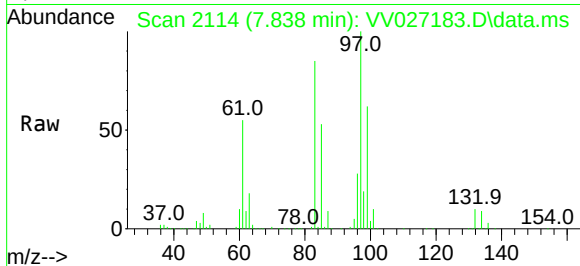




#45  
1,1,2-Trichloroethane  
Concen: 49.577 ug/L  
RT: 7.838 min Scan# 2113  
Delta R.T. 0.003 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

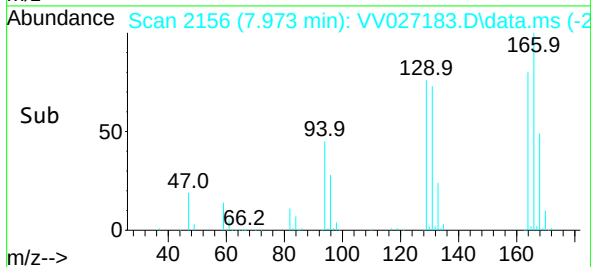
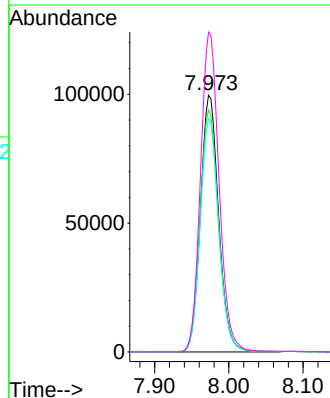
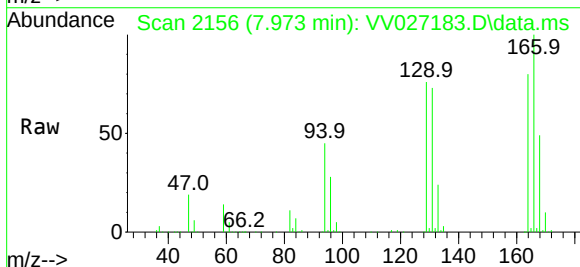
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

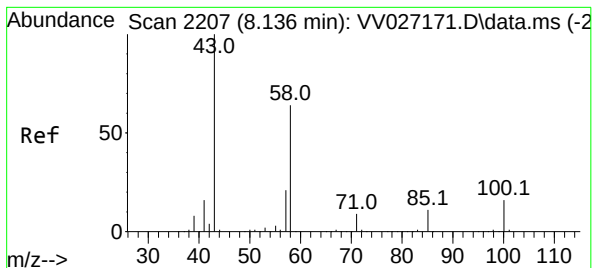
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 241968 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.6  | 43.3  | 80.5   |
| 83       | 84.9  | 58.2  | 108.2  |
| 85       | 52.6  | 37.7  | 69.9   |



#46  
Tetrachloroethene  
Concen: 48.926 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 169891 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 94.2  | 66.0  | 122.6  |
| 131      | 90.9  | 63.1  | 117.1  |
| 166      | 124.6 | 86.7  | 161.1  |





#48

2-Hexanone

Concen: 109.188 ug/L

RT: 8.137 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

Tgt Ion: 43 Resp: 465836

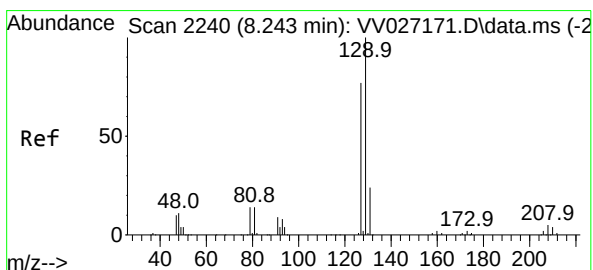
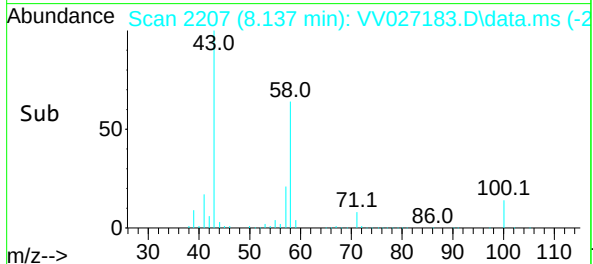
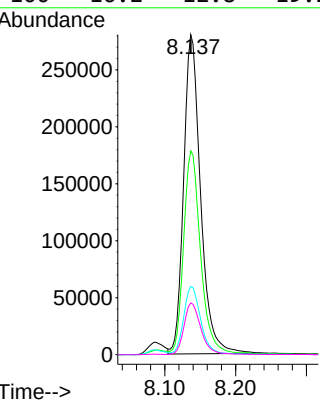
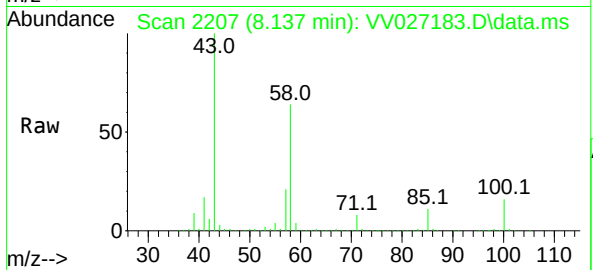
Ion Ratio Lower Upper

43 100

58 62.8 51.3 76.9

57 21.4 16.7 25.1

100 16.2 12.8 19.2



#49

Dibromochloromethane

Concen: 49.022 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV027183.D

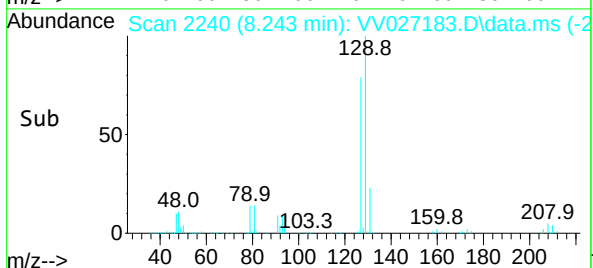
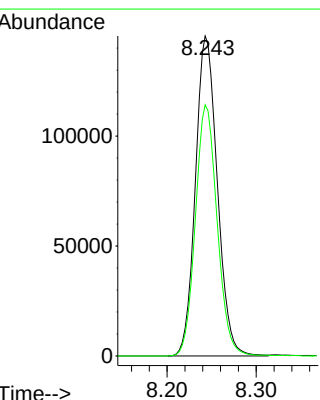
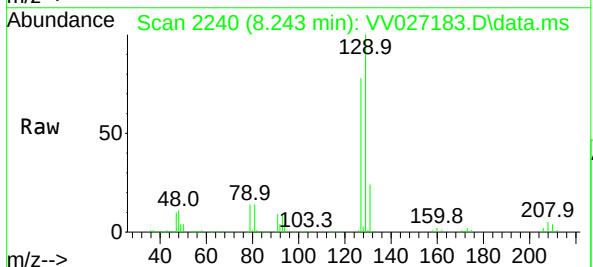
Acq: 02 Aug 2022 20:14

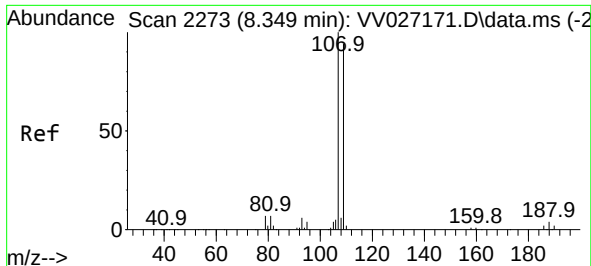
Tgt Ion:129 Resp: 248367

Ion Ratio Lower Upper

129 100

127 78.5 54.5 101.3





#50

1,2-Dibromoethane

Concen: 49.503 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

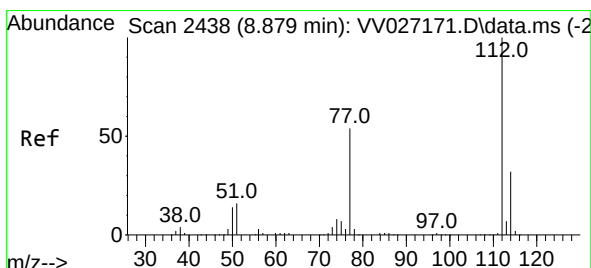
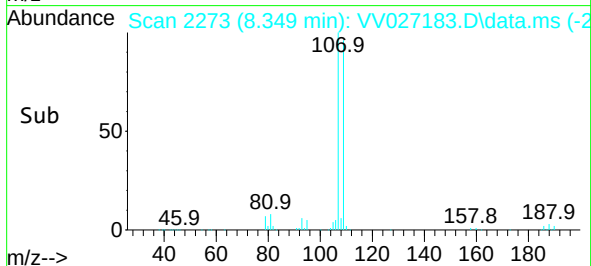
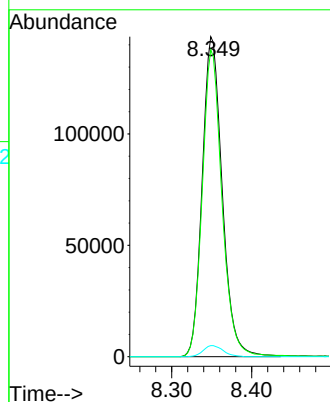
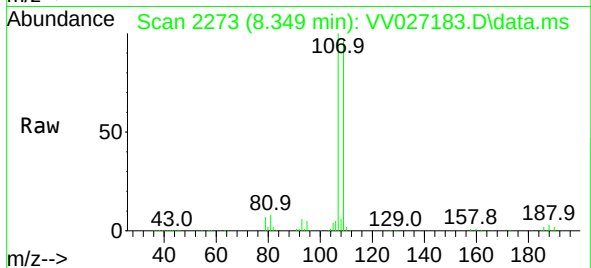
Tgt Ion:107 Resp: 250132

Ion Ratio Lower Upper

107 100

109 95.9 65.3 121.3

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 48.674 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

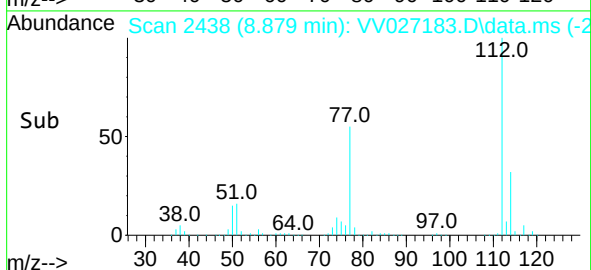
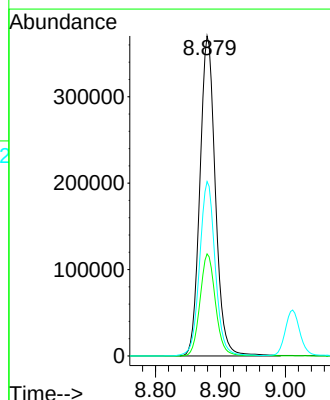
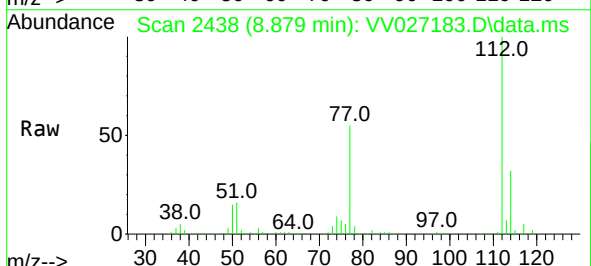
Tgt Ion:112 Resp: 614546

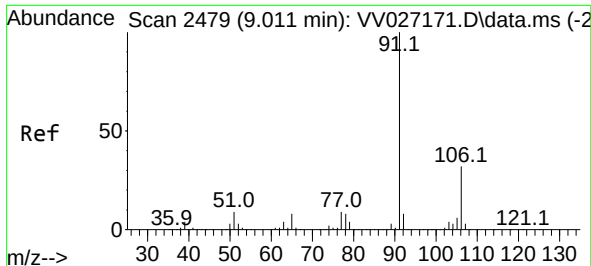
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 54.5 44.9 67.3





#52

Ethylbenzene

Concen: 51.023 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

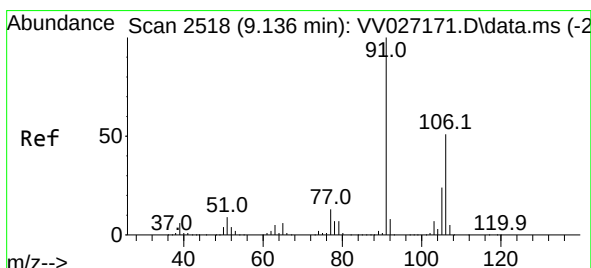
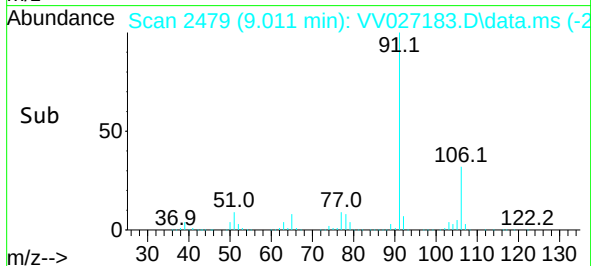
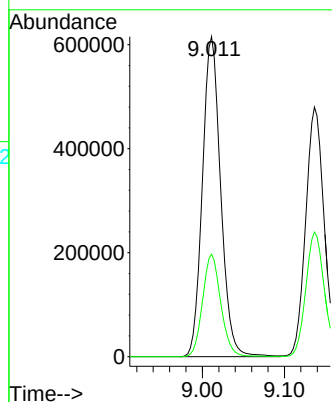
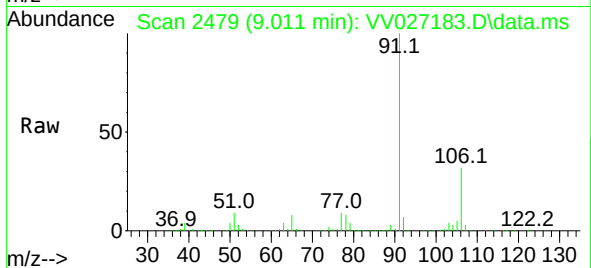
EY157MSD

Tgt Ion: 91 Resp: 954024

Ion Ratio Lower Upper

91 100

106 32.1 22.1 41.1



#53

m,p-Xylene

Concen: 51.724 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV027183.D

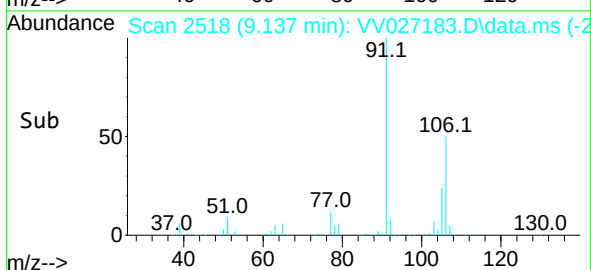
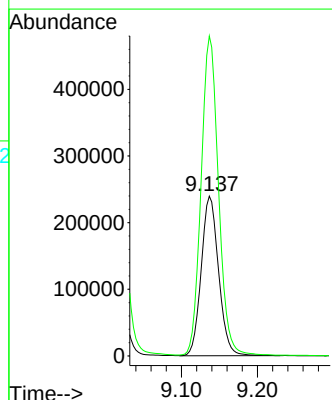
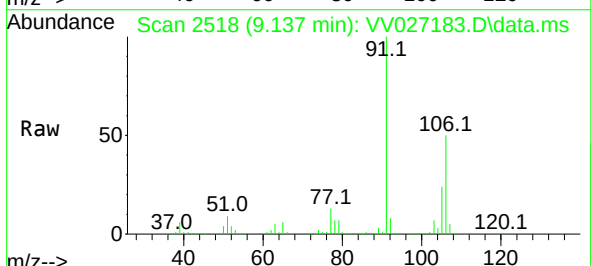
Acq: 02 Aug 2022 20:14

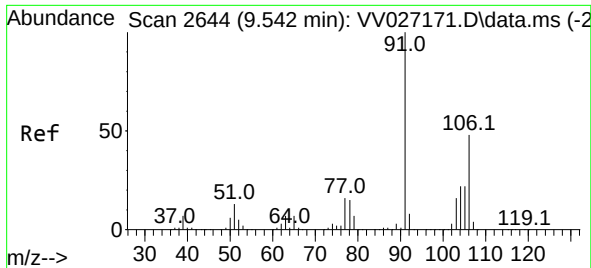
Tgt Ion: 106 Resp: 379380

Ion Ratio Lower Upper

106 100

91 200.3 138.5 257.3

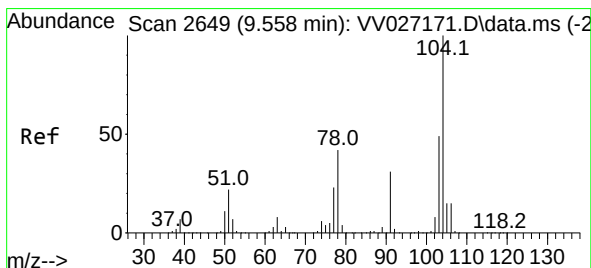
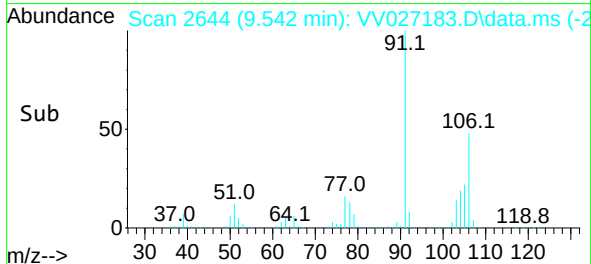
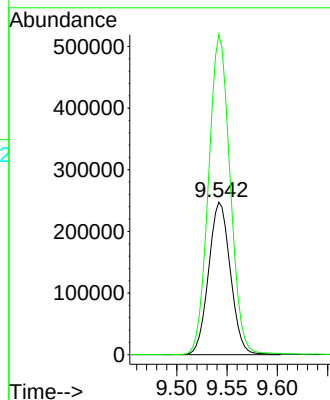
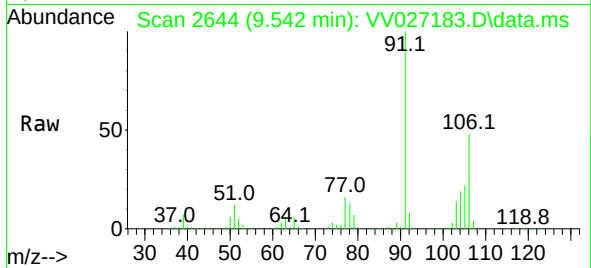




#54  
o-Xylene  
Concen: 51.927 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

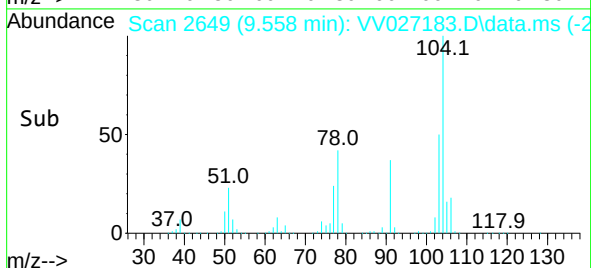
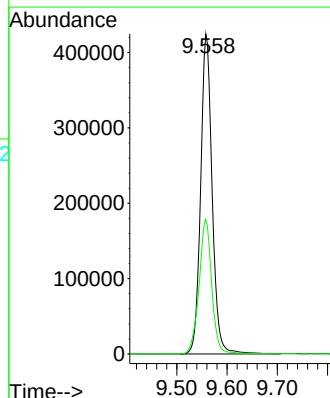
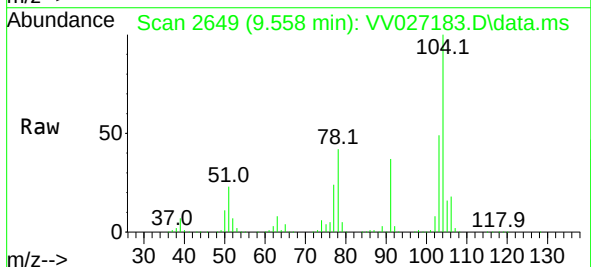
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

Tgt Ion:106 Resp: 372831  
Ion Ratio Lower Upper  
106 100  
91 209.7 145.1 269.5

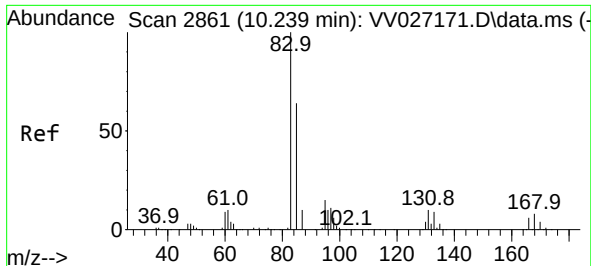


#55  
Styrene  
Concen: 54.260 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion:104 Resp: 677100  
Ion Ratio Lower Upper  
104 100  
78 42.1 29.2 54.2



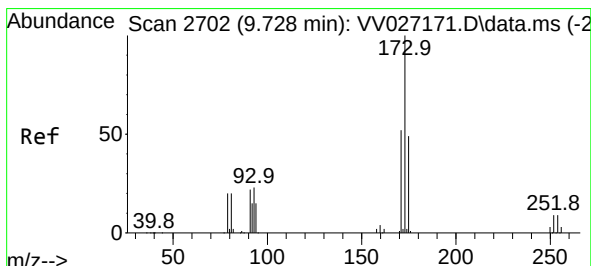
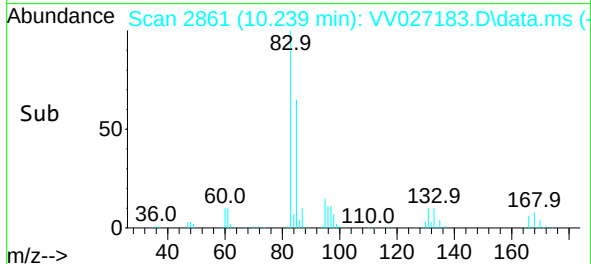
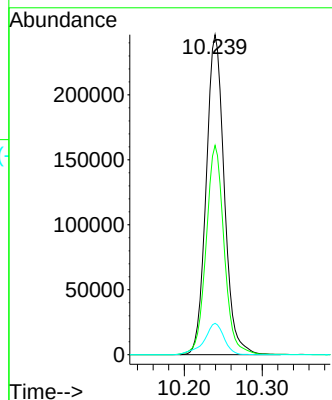
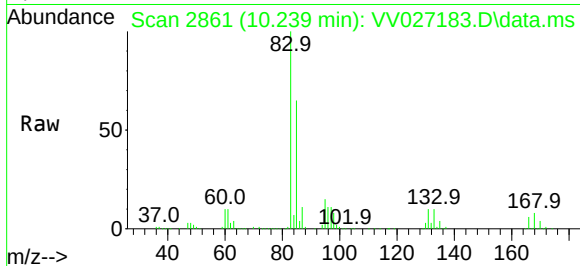




#57  
1,1,2,2-Tetrachloroethane  
Concen: 50.101 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

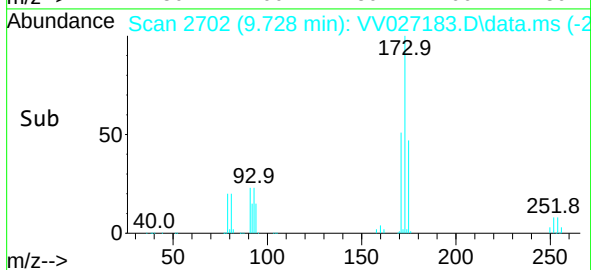
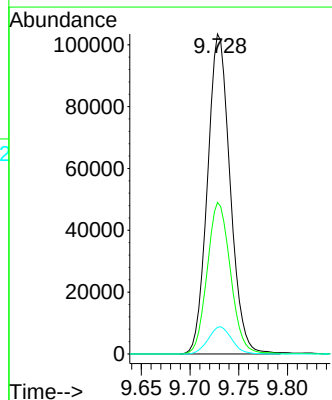
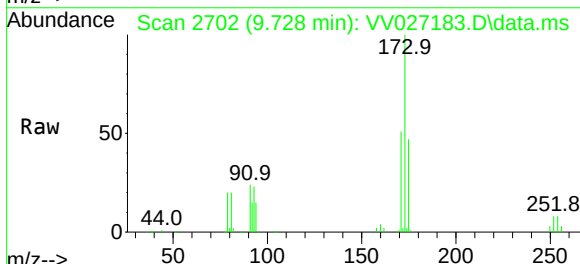
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

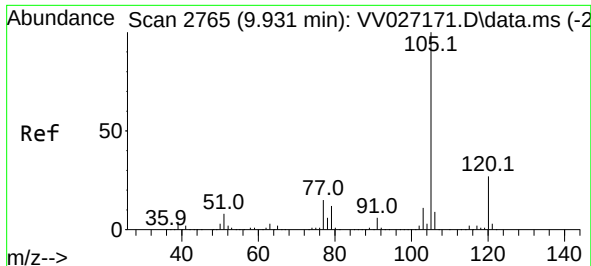
Tgt Ion: 83 Resp: 396505  
Ion Ratio Lower Upper  
83 100  
85 65.4 45.2 84.0  
131 9.8 7.8 11.6



#59  
Bromoform  
Concen: 47.056 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion: 173 Resp: 167497  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.2 57.4  
254 8.8 6.8 10.2

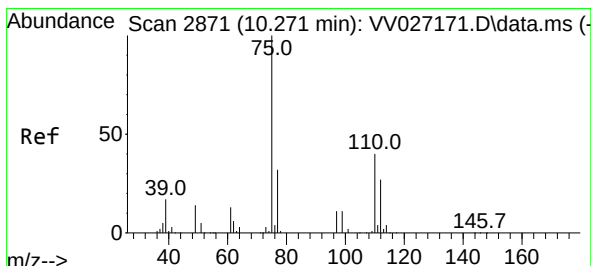
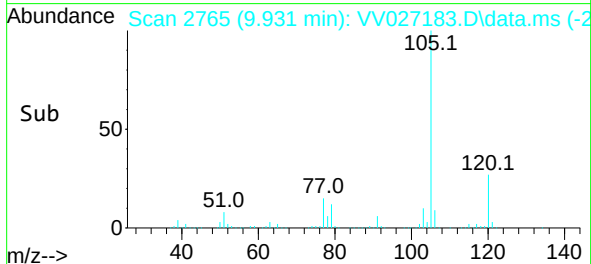
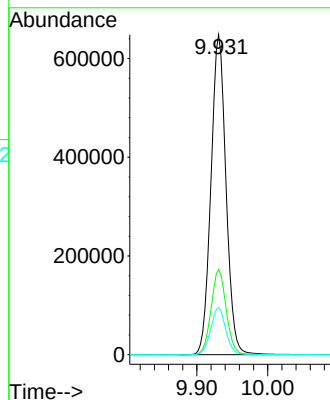
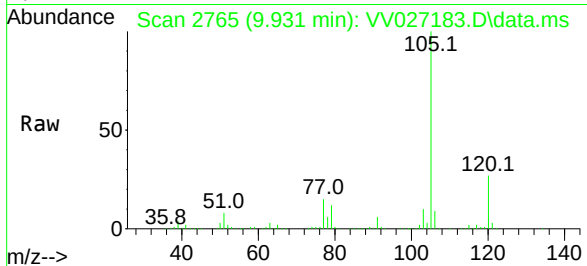




#60  
Isopropylbenzene  
Concen: 50.502 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

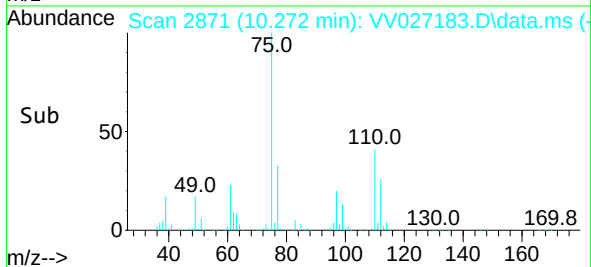
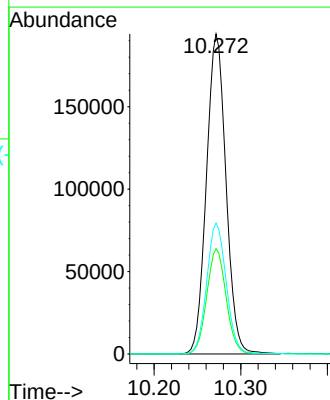
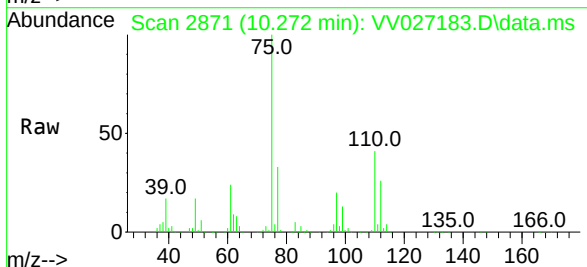
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

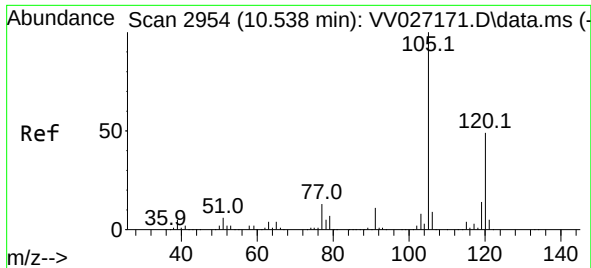
Tgt Ion:105 Resp: 955399  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.4 32.2  
77 14.8 11.7 17.5



#61  
1,2,3-Trichloropropane  
Concen: 47.557 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion: 75 Resp: 304422  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.8 38.8  
110 40.9 32.8 49.2

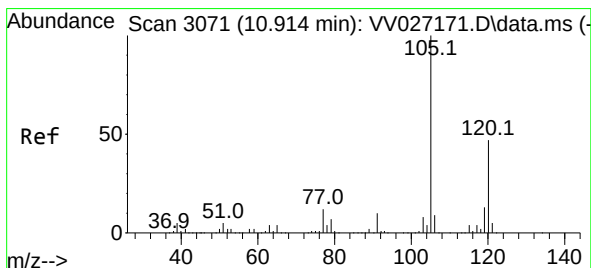
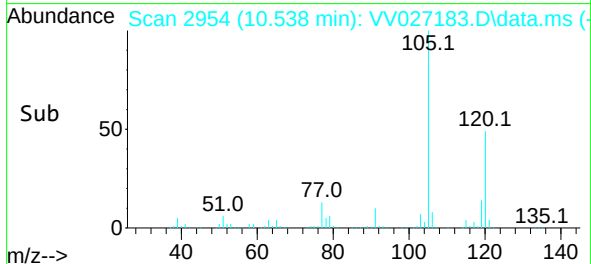
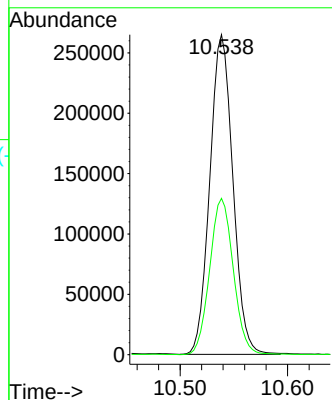
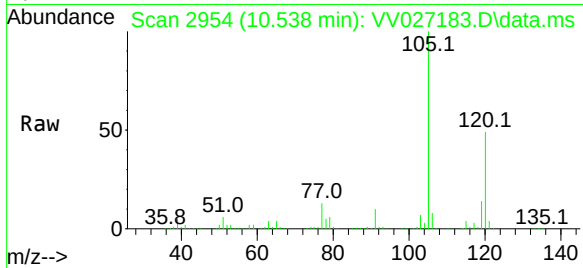




#62  
 1,3,5-Trimethylbenzene  
 Concen: 48.158 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

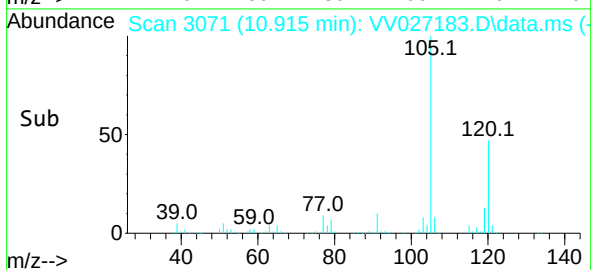
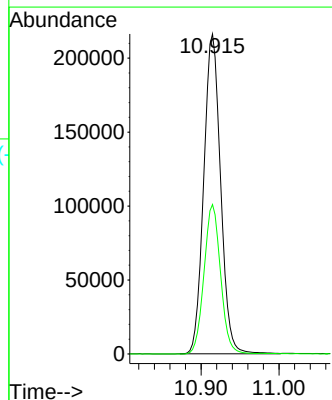
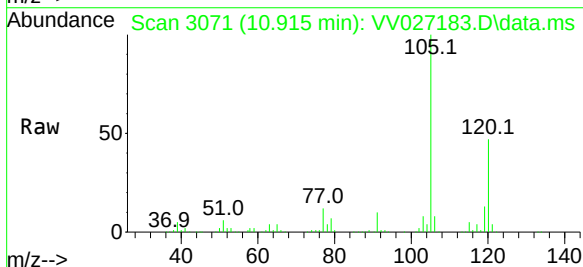
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY157MSD

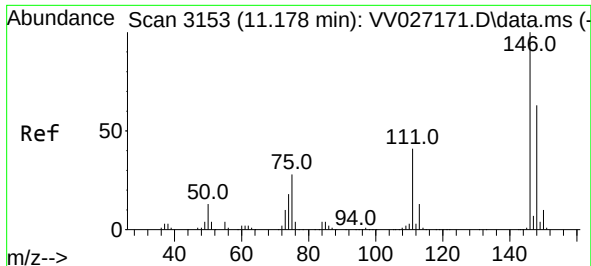
Tgt Ion:105 Resp: 394618  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 39.6 59.4



#63  
 1,2,4-Trimethylbenzene  
 Concen: 49.076 ug/L  
 RT: 10.915 min Scan# 3071  
 Delta R.T. 0.000 min  
 Lab File: VV027183.D  
 Acq: 02 Aug 2022 20:14

Tgt Ion:105 Resp: 324913  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 36.5 54.7

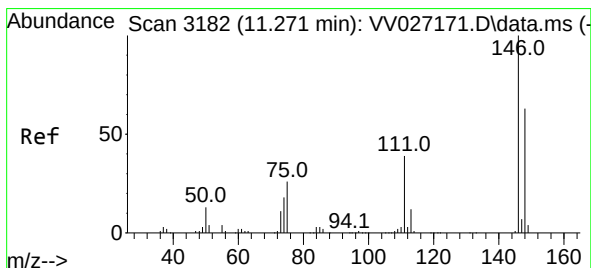
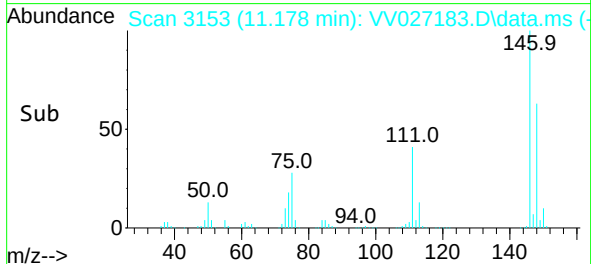
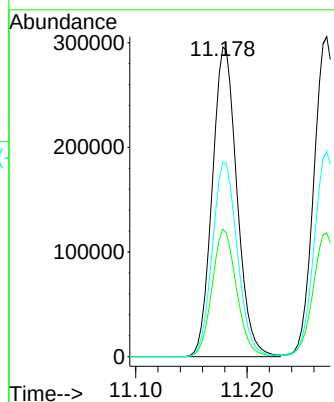
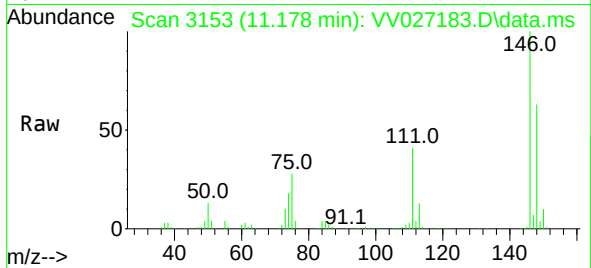




#64  
1,3-Dichlorobenzene  
Concen: 48.965 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

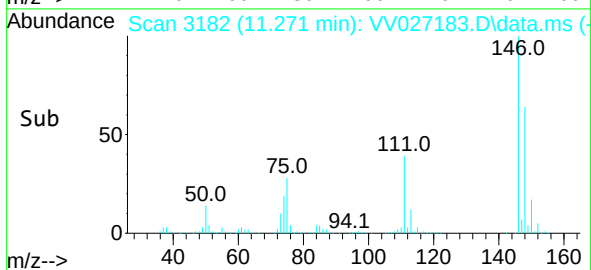
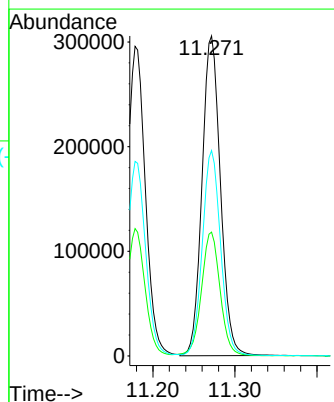
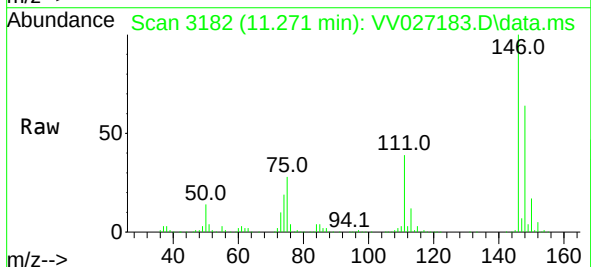
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

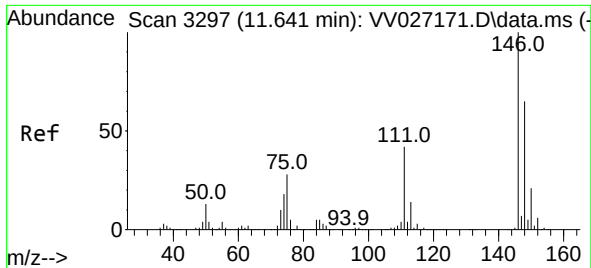
Tgt Ion:146 Resp: 456528  
Ion Ratio Lower Upper  
146 100  
111 41.1 28.6 53.2  
148 62.8 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 48.319 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion:146 Resp: 475254  
Ion Ratio Lower Upper  
146 100  
111 38.7 27.2 50.4  
148 64.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 49.036 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

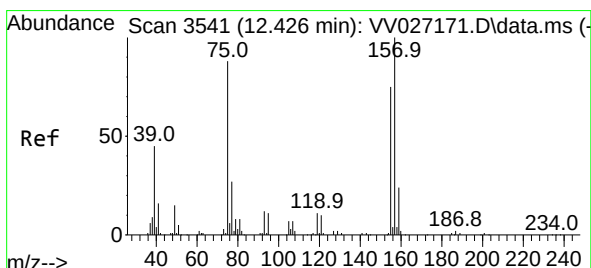
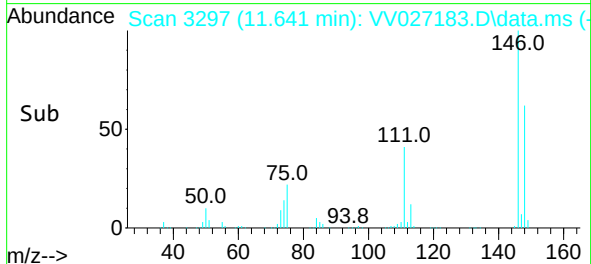
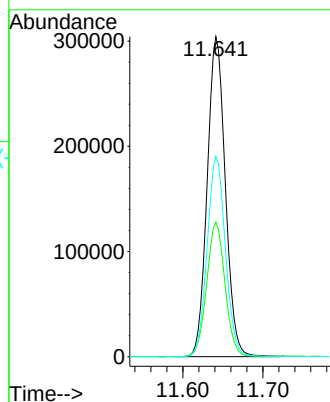
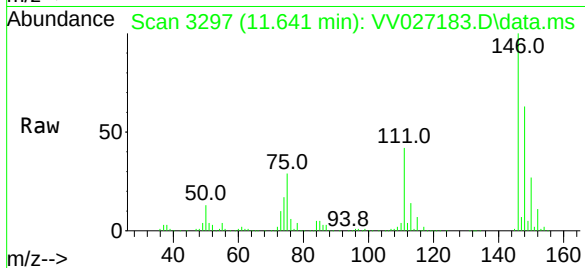
Tgt Ion:146 Resp: 480102

Ion Ratio Lower Upper

146 100

111 42.0 32.8 49.2

148 62.6 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 49.022 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

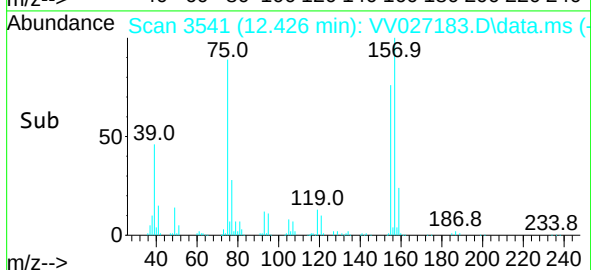
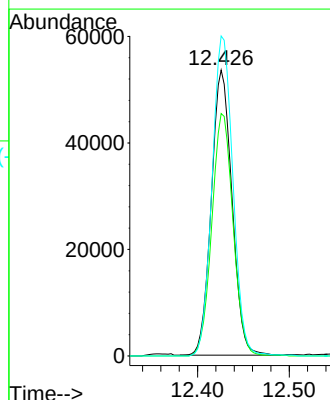
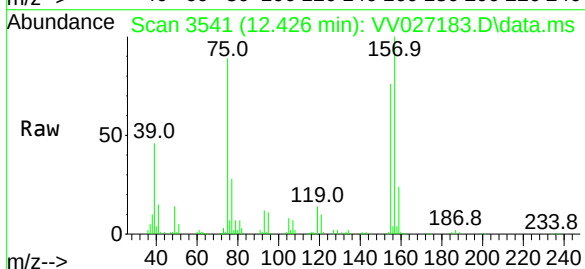
Tgt Ion: 75 Resp: 83954

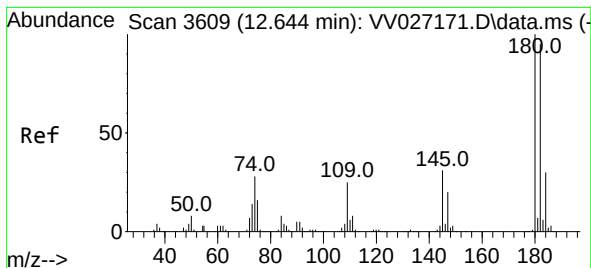
Ion Ratio Lower Upper

75 100

155 84.8 69.6 104.4

157 111.9 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 48.842 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

Instrument :

MSVOA\_V

ClientSampleId :

EY157MSD

Tgt Ion:180 Resp: 323081

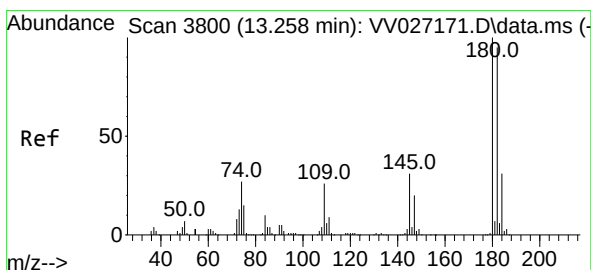
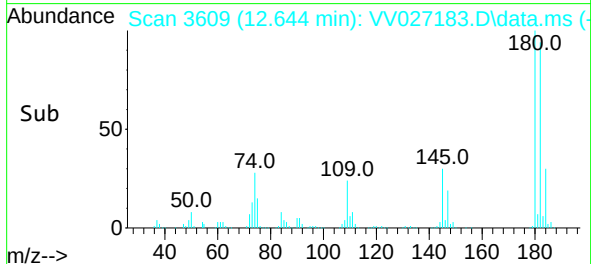
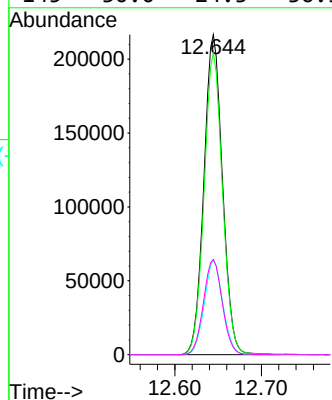
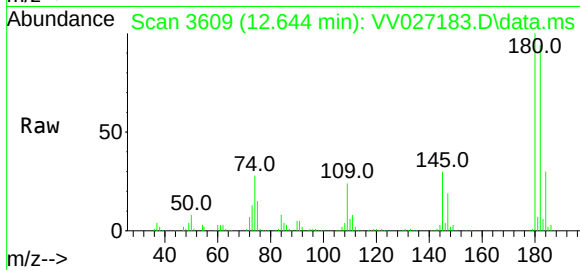
Ion Ratio Lower Upper

180 100

182 93.5 75.3 112.9

184 29.4 24.3 36.5

145 30.0 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 51.127 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027183.D

Acq: 02 Aug 2022 20:14

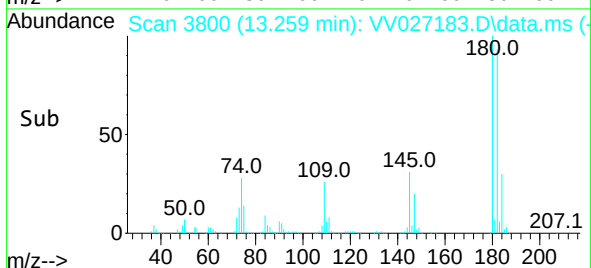
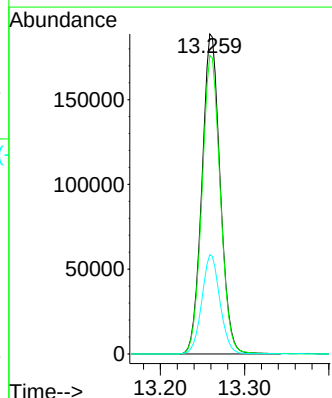
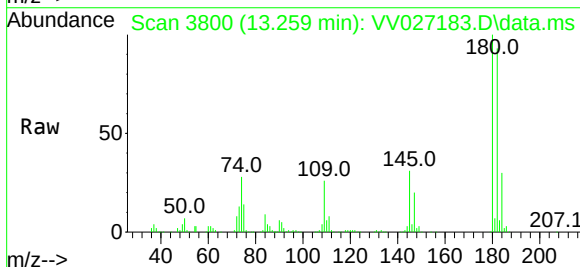
Tgt Ion:180 Resp: 283965

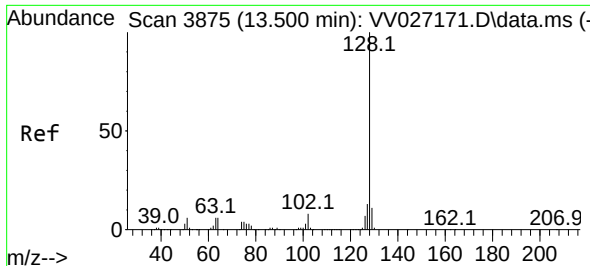
Ion Ratio Lower Upper

180 100

182 93.8 75.2 112.8

145 30.9 24.7 37.1

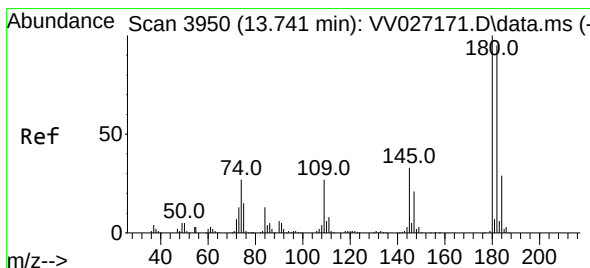
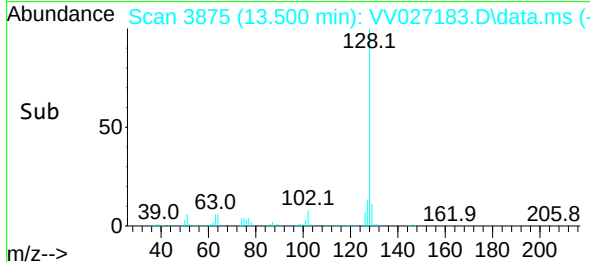
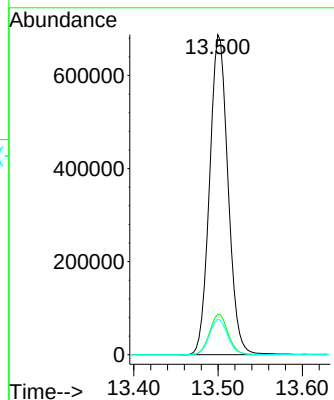
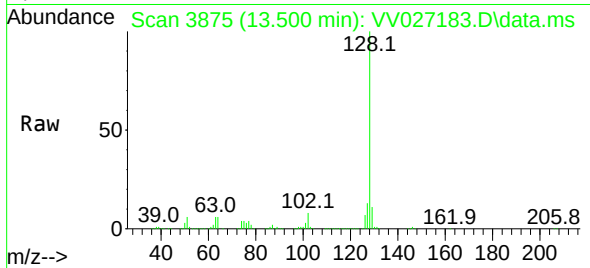




#71  
Naphthalene  
Concen: 57.337 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY157MSD

Tgt Ion:128 Resp: 1046092  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 11.1 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 53.007 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV027183.D  
Acq: 02 Aug 2022 20:14

Tgt Ion:180 Resp: 321949  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.3 114.5  
145 35.8 26.8 40.2

