

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082523\  
 Data File : VV031938.D  
 Acq On : 25 Aug 2023 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 26 00:53:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 26 00:50:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538   | 114   | 239270   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 236080   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 125277   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 55922    | 37.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.700%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 53352    | 40.644   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.280%  |
| 11) 1,1-Dichloroethene-d2     | 2.063   | 65    | 27216    | 38.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.620%  |
| 21) 2-Butanone-d5             | 3.793   | 46    | 122516   | 104.027  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 104.030% |
| 24) Chloroform-d              | 4.256   | 84    | 146621   | 44.797   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.947   | 65    | 95612    | 44.019   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.040%  |
| 32) Benzene-d6                | 4.966   | 84    | 283012   | 43.933   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.860%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 95599    | 46.106   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.220%  |
| 41) Toluene-d8                | 7.249   | 98    | 248611   | 41.885   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.760%  |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 46696    | 43.451   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.900%  |
| 47) 2-Hexanone-d5             | 8.030   | 63    | 66892    | 105.258  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156  | 84    | 138622   | 51.737   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.480% |
| 66) 1,2-Dichlorobenzene-d4    | 11.564  | 152   | 103402   | 45.278   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.560%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 67835    | 46.570   | ug/L   | 98       |
| 3) Chloromethane              | 1.217   | 50    | 75671    | 50.946   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 80705    | 50.878   | ug/L   | 98       |
| 6) Bromomethane               | 1.487   | 94    | 44956    | 48.135   | ug/L   | 98       |
| 8) Chloroethane               | 1.552   | 64    | 53094    | 50.365   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.716   | 101   | 108754   | 47.033   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072   | 101   | 68647    | 49.169   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.072   | 96    | 61193    | 48.798   | ug/L   | 90       |
| 13) Acetone                   | 2.117   | 43    | 97925    | 93.418   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.243   | 76    | 147523   | 51.629   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.378   | 43    | 99034    | 52.973   | ug/L   | 100      |
| 16) Methylene chloride        | 2.452   | 84    | 86336    | 53.576   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.699   | 96    | 69104    | 50.264   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.709   | 73    | 288821   | 49.707   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.117   | 63    | 157955   | 51.267   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.822   | 96    | 86876    | 50.368   | ug/L   | 98       |
| 22) 2-Butanone                | 3.873   | 43    | 141234   | 101.822  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.156   | 128   | 40857    | 48.824   | ug/L   | 94       |
| 25) Chloroform                | 4.285   | 83    | 156353   | 48.808   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW082523\  
 Data File : VW031938.D  
 Acq On : 25 Aug 2023 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

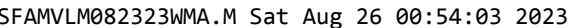
Instrument :  
 MSVOA\_V  
 ClientSampleId :

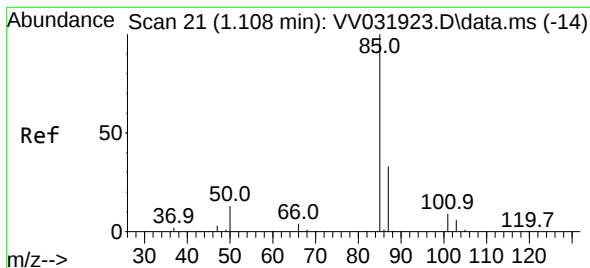
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 26 00:50:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 123234   | 48.830  | ug/L  | 98       |
| 29) Cyclohexane               | 4.590  | 56   | 126081   | 51.293  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.519  | 97   | 131554   | 47.773  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 108400   | 46.359  | ug/L  | 99       |
| 33) Benzene                   | 5.018  | 78   | 323857   | 51.055  | ug/L  | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 90231    | 46.511  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.056  | 83   | 124159   | 48.117  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 93008    | 51.729  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.439  | 83   | 121030   | 47.424  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 155799   | 49.840  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 294492   | 103.195 | ug/L  | 99       |
| 42) Toluene                   | 7.320  | 91   | 350453   | 50.225  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 146831   | 48.887  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 89954    | 49.521  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.911  | 164  | 58145    | 47.733  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 226317   | 103.848 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.181  | 129  | 88843    | 47.596  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 91780    | 48.240  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.818  | 112  | 227931   | 49.160  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.950  | 91   | 406831   | 49.221  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 148842   | 48.499  | ug/L  | 98       |
| 54) o-Xylene                  | 9.480  | 106  | 150148   | 49.192  | ug/L  | 100      |
| 55) Styrene                   | 9.500  | 104  | 264795   | 49.074  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 136760   | 53.185  | ug/L  | 100      |
| 59) Bromoform                 | 9.670  | 173  | 62810    | 48.349  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 414515   | 49.401  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 118307   | 49.985  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 340944   | 48.298  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 346834   | 48.840  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 182145   | 48.437  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 186813   | 48.855  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 183303   | 49.192  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 33649    | 47.331  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 132546   | 48.350  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 129149   | 49.080  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 399772   | 47.551  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 124000   | 49.177  | ug/L  | 99       |

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

Quant Time: Aug 26 00:53:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082323WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 26 00:50:15 2023  
Response via : Initial Calibration

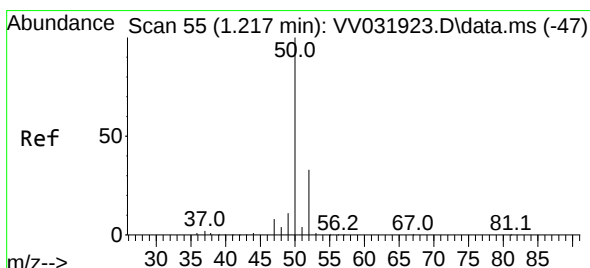
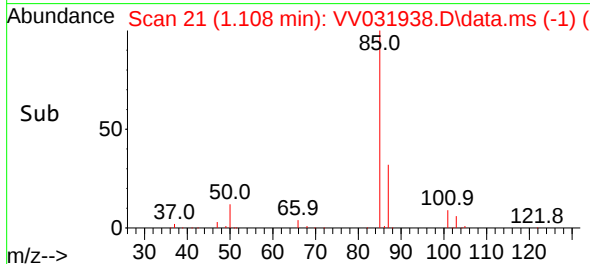
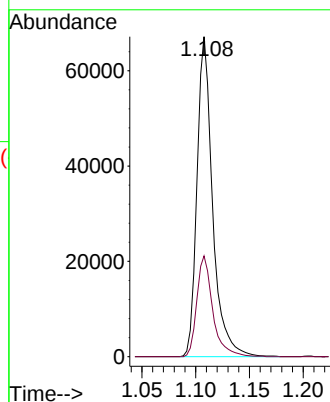
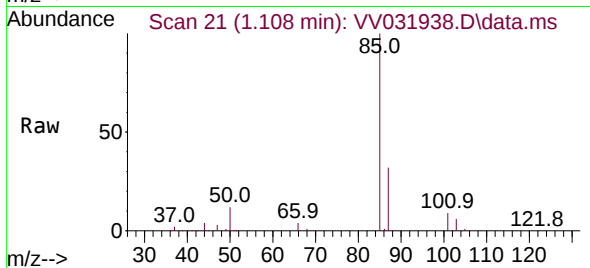




#2  
 Dichlorodifluoromethane  
 Concen: 46.570 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV031938.D  
 Acq: 25 Aug 2023 16:37

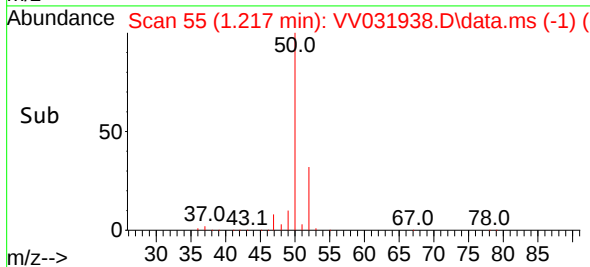
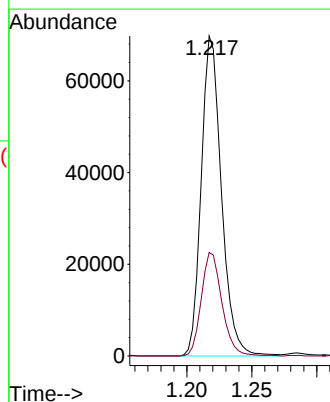
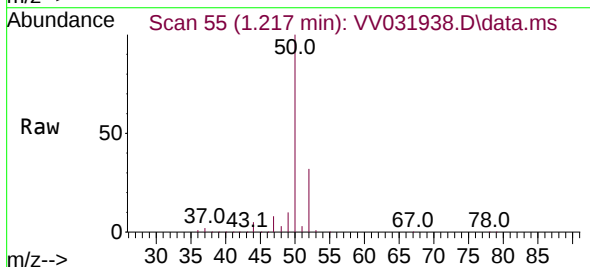
Instrument :  
 MSVOA\_V  
 ClientSampleId :

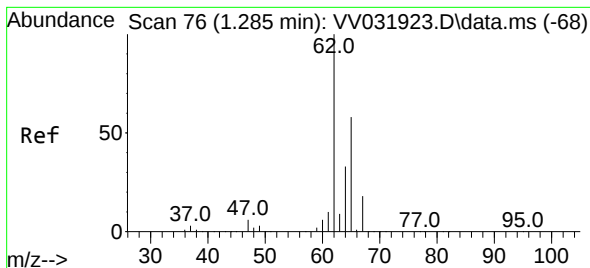
Tgt Ion: 85 Resp: 67835  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 26.8 40.2



#3  
 Chloromethane  
 Concen: 50.946 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV031938.D  
 Acq: 25 Aug 2023 16:37

Tgt Ion: 50 Resp: 75671  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 23.0 42.6

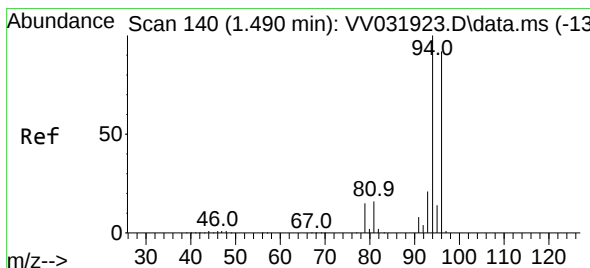
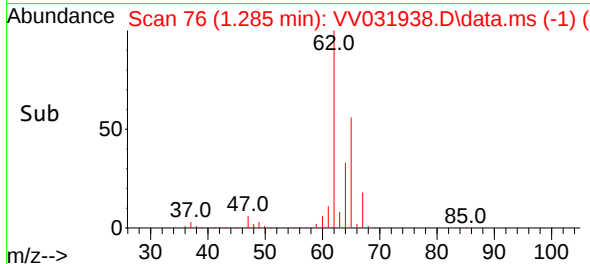
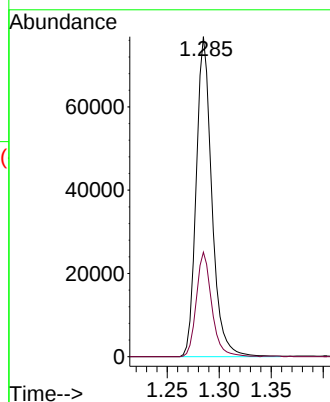
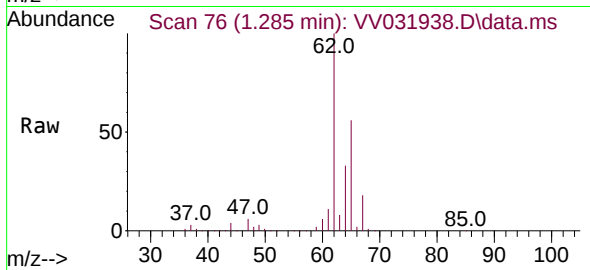




#5  
 Vinyl chloride  
 Concen: 50.878 ug/L  
 RT: 1.285 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VV031938.D  
 Acq: 25 Aug 2023 16:37

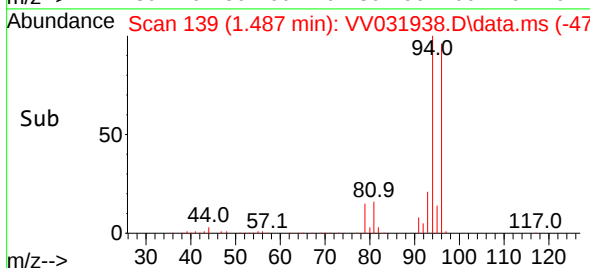
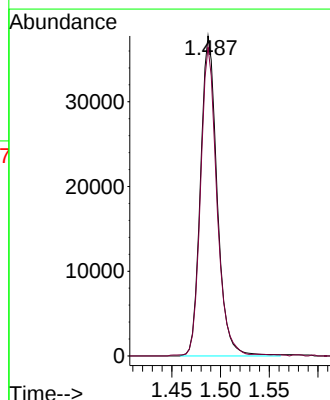
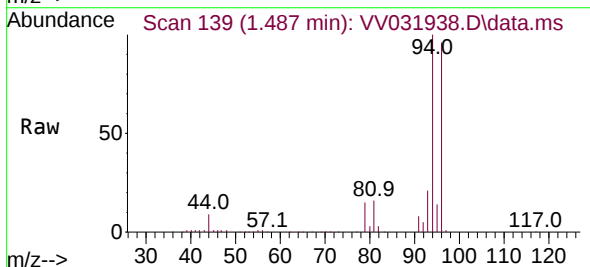
Instrument :  
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 ClientSampleId :

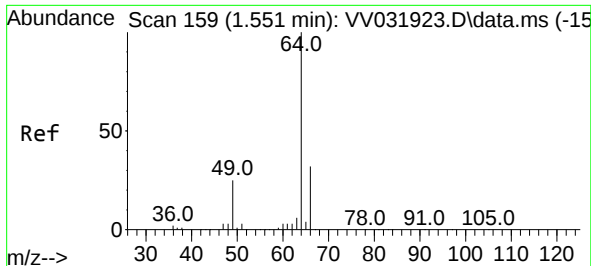
Tgt Ion: 62 Resp: 80705  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.6 43.8



#6  
 Bromomethane  
 Concen: 48.135 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. -0.003 min  
 Lab File: VV031938.D  
 Acq: 25 Aug 2023 16:37

Tgt Ion: 94 Resp: 44956  
 Ion Ratio Lower Upper  
 94 100  
 96 96.4 66.4 123.4

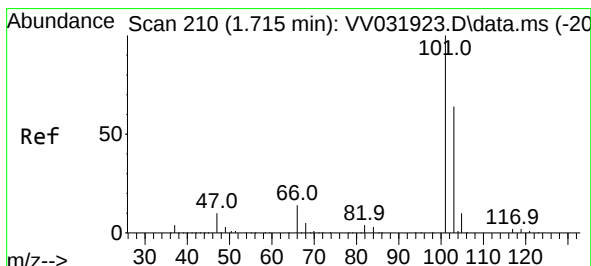
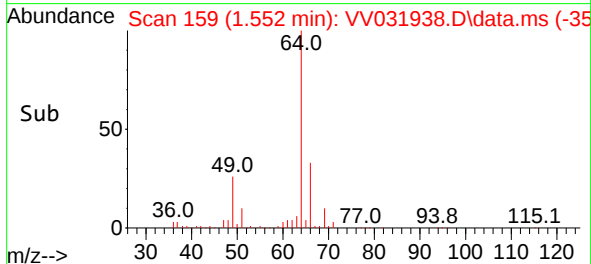
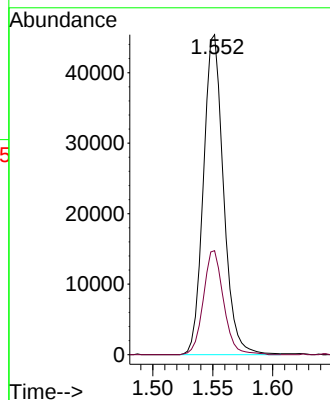
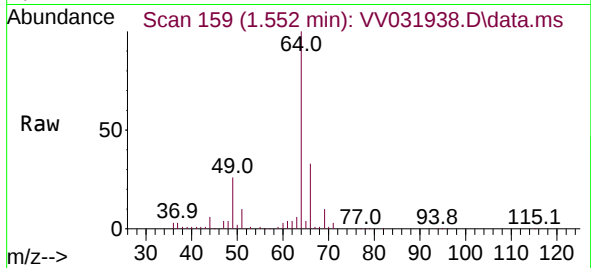




#8  
Chloroethane  
Concen: 50.365 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

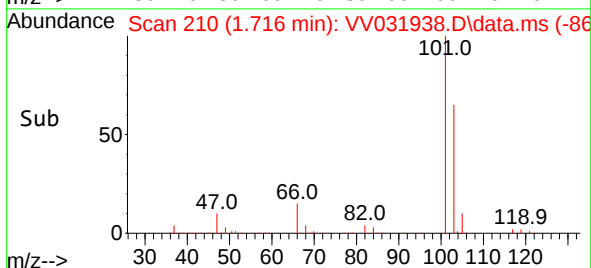
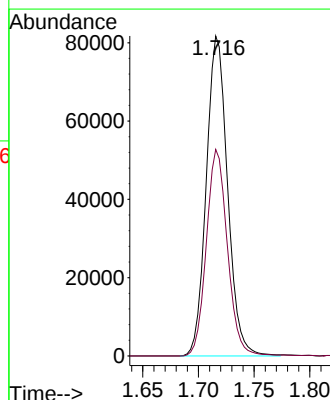
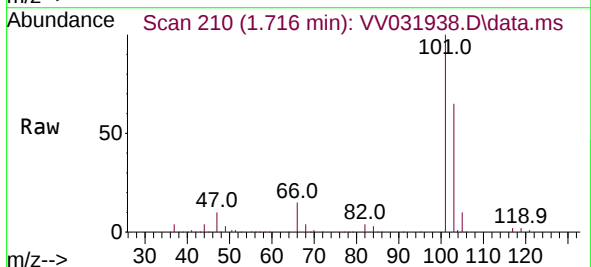
Instrument :  
MSVOA\_V  
ClientSampleId :

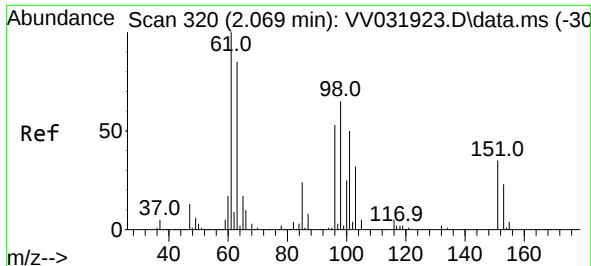
Tgt Ion: 64 Resp: 53094  
Ion Ratio Lower Upper  
64 100  
66 32.5 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 47.033 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion:101 Resp: 108754  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.9 77.9





#10

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

Concen: 49.169 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

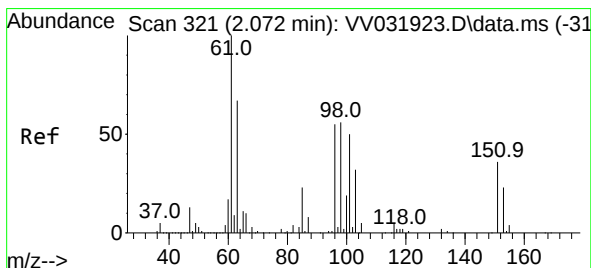
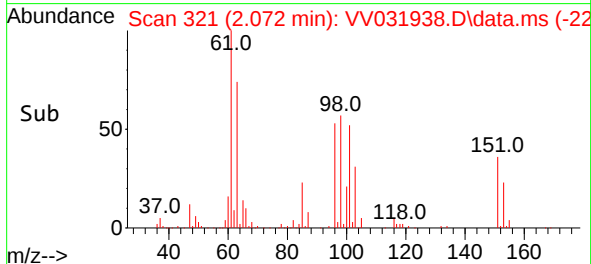
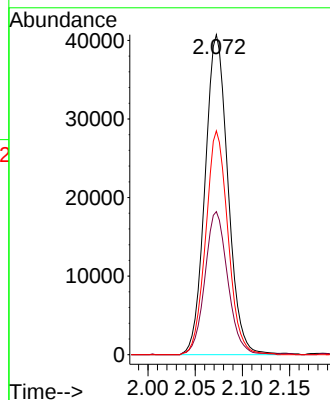
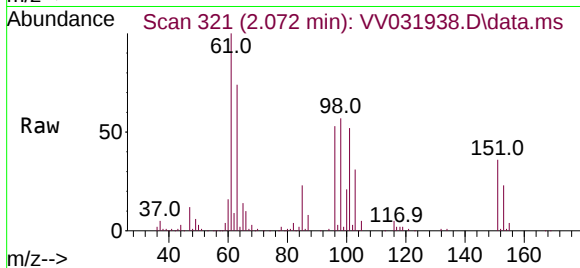
Tgt Ion:101 Resp: 68647

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.8

151 68.1 56.5 84.7



#12

1,1-Dichloroethene

Concen: 48.798 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

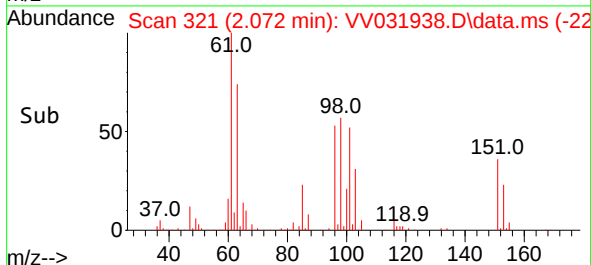
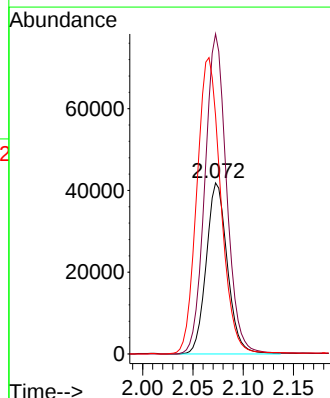
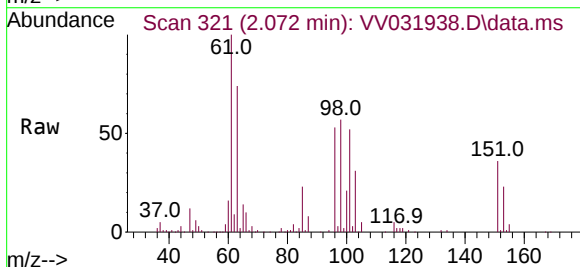
Tgt Ion: 96 Resp: 61193

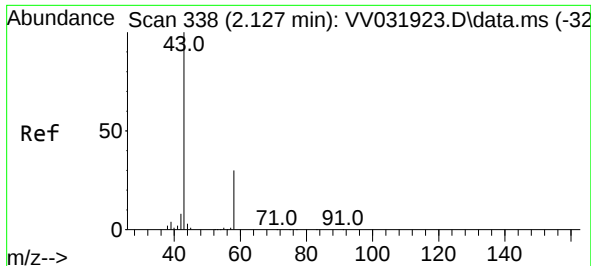
Ion Ratio Lower Upper

96 100

61 187.1 133.8 248.6

63 139.3 115.2 214.0





#13

Acetone

Concen: 93.418 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

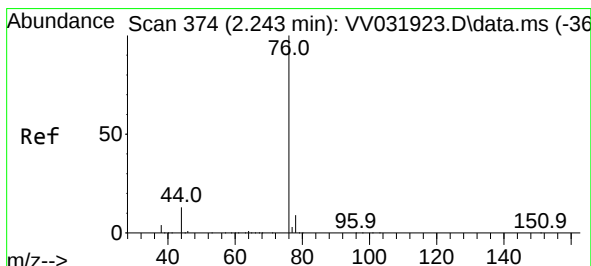
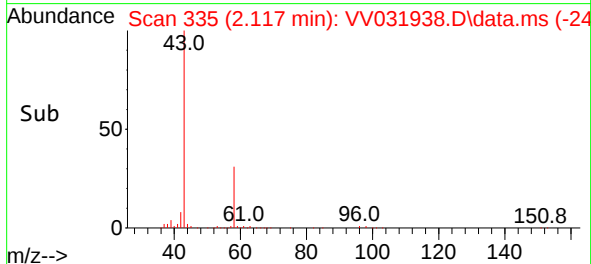
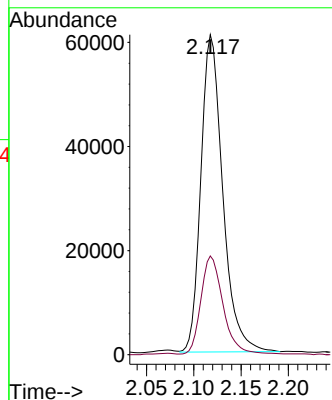
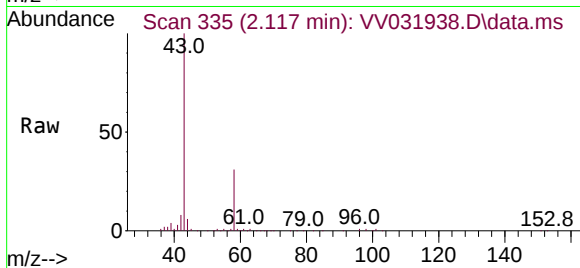
ClientSampleId :

Tgt Ion: 43 Resp: 97925

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.0



#14

Carbon disulfide

Concen: 51.629 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031938.D

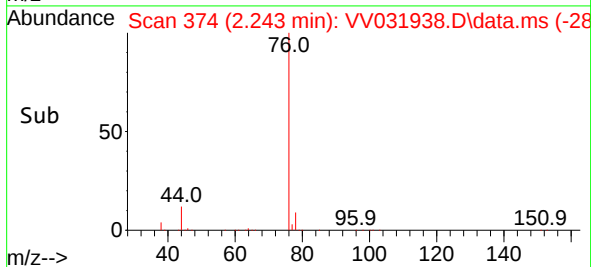
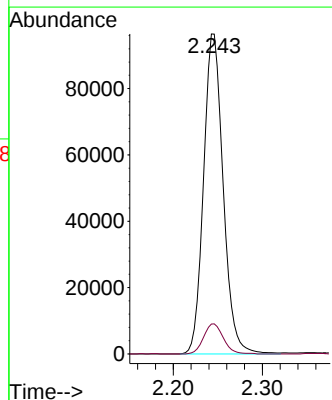
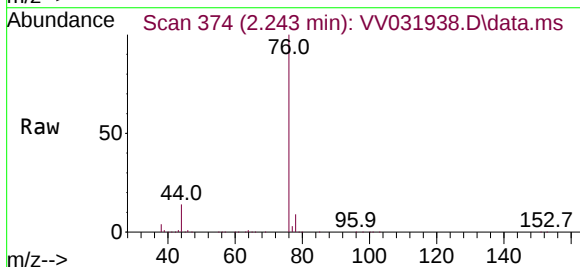
Acq: 25 Aug 2023 16:37

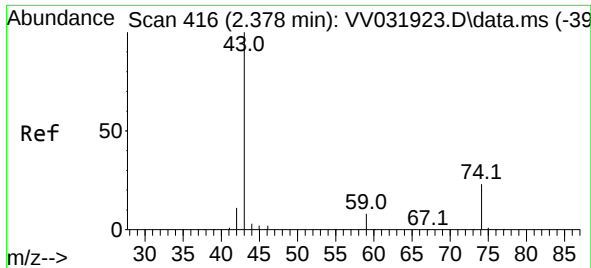
Tgt Ion: 76 Resp: 147523

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

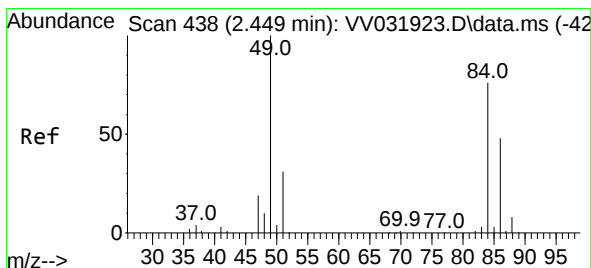
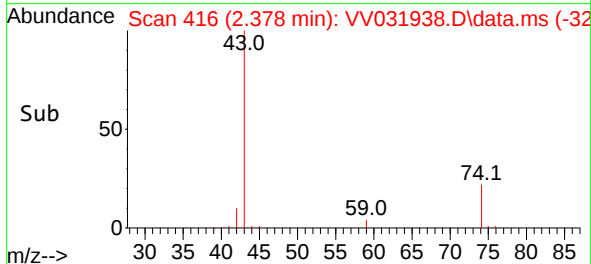
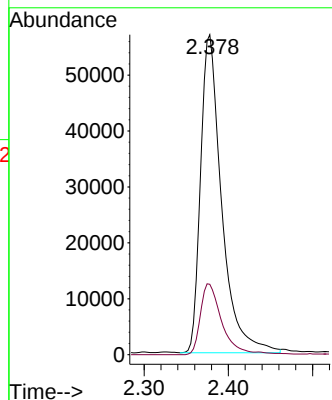
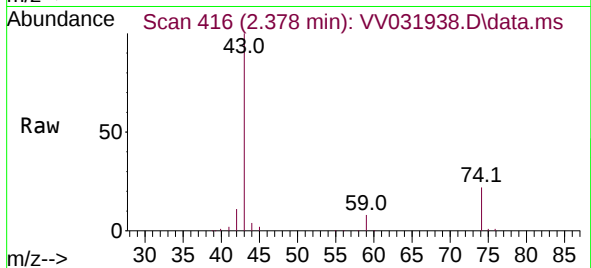




#15  
Methyl Acetate  
Concen: 52.973 ug/L  
RT: 2.378 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

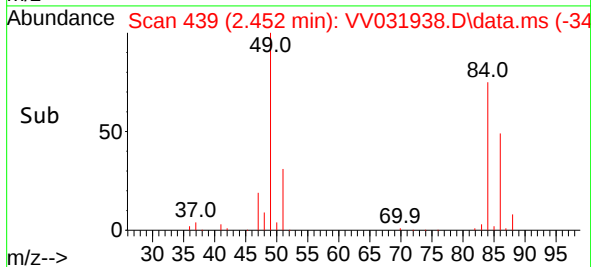
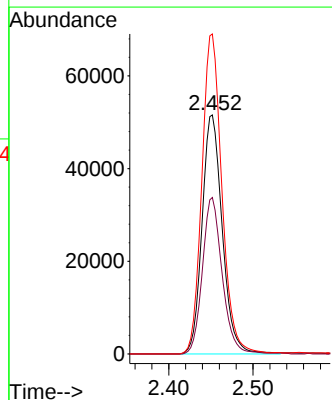
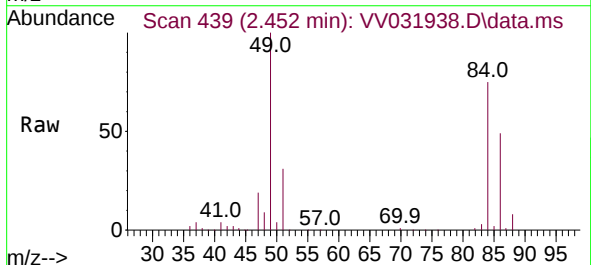
Instrument :  
MSVOA\_V  
ClientSampleId :

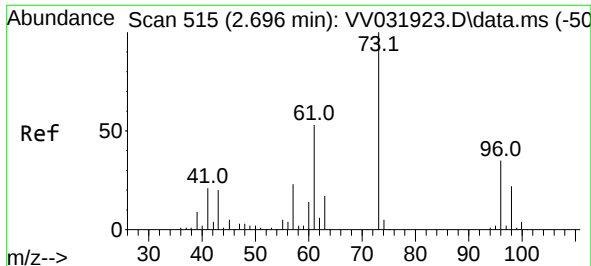
Tgt Ion: 43 Resp: 99034  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.9 26.9



#16  
Methylene chloride  
Concen: 53.576 ug/L  
RT: 2.452 min Scan# 439  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion: 84 Resp: 86336  
Ion Ratio Lower Upper  
84 100  
86 65.4 44.6 82.8  
49 133.9 91.6 170.2

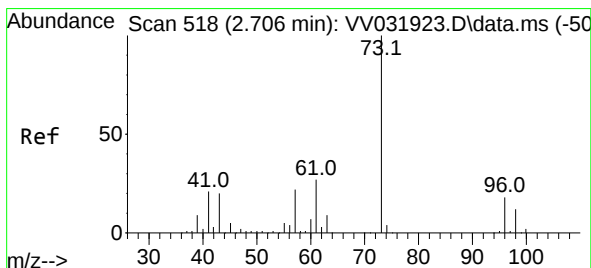
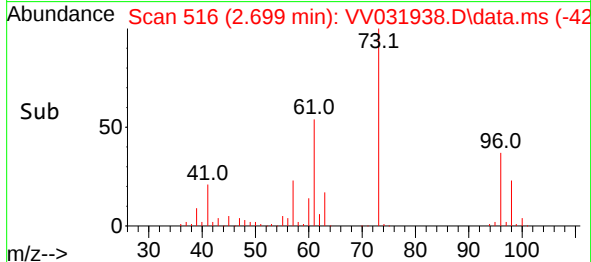
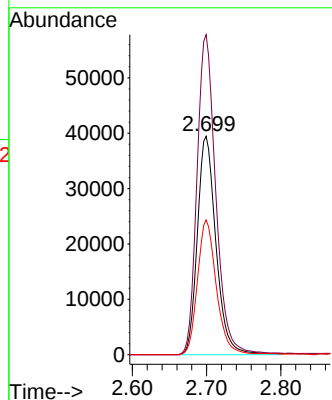
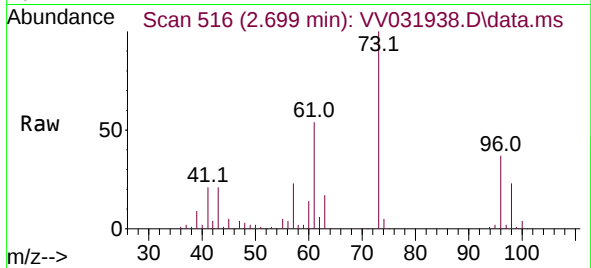




#17  
trans-1,2-Dichloroethene  
Concen: 50.264 ug/L  
RT: 2.699 min Scan# 515  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

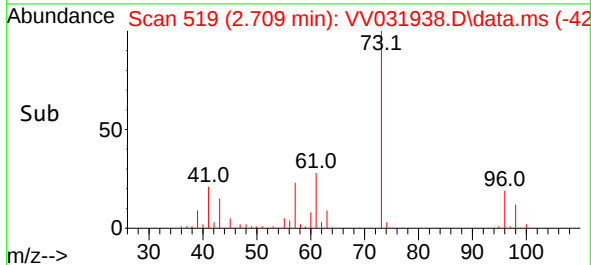
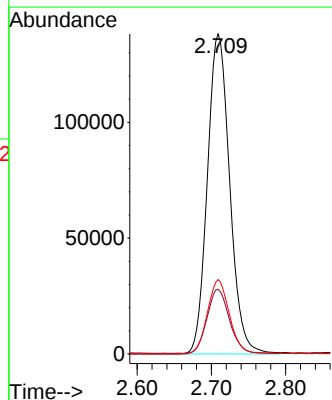
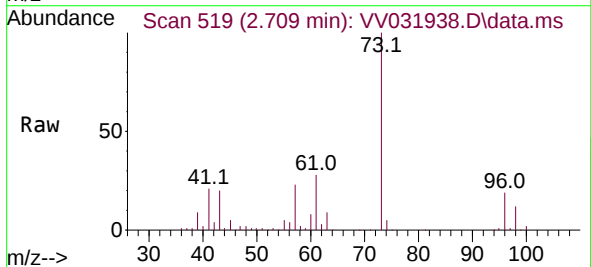
Instrument :  
MSVOA\_V  
ClientSampleId :

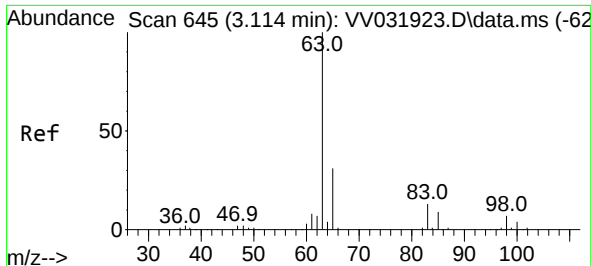
Tgt Ion: 96 Resp: 69104  
Ion Ratio Lower Upper  
96 100  
61 146.5 107.3 199.3  
98 61.6 46.3 85.9



#18  
Methyl tert-butyl Ether  
Concen: 49.707 ug/L  
RT: 2.709 min Scan# 519  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion: 73 Resp: 288821  
Ion Ratio Lower Upper  
73 100  
43 20.0 16.6 25.0  
57 22.8 17.6 26.4





#19

1,1-Dichloroethane

Concen: 51.267 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

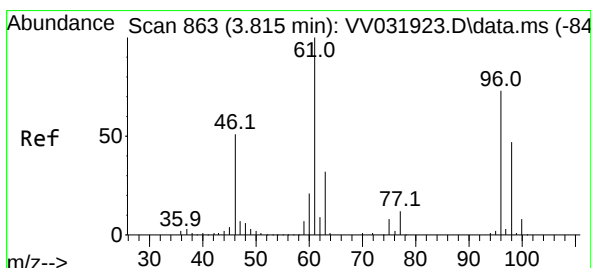
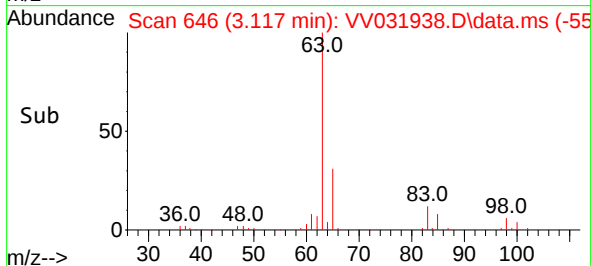
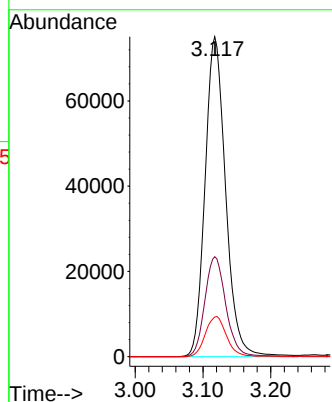
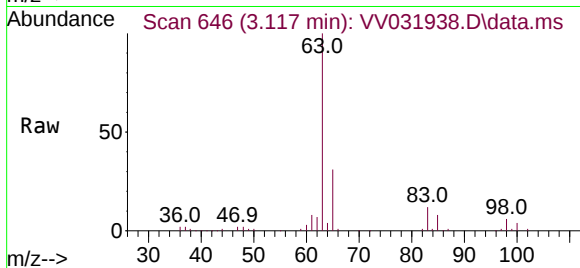
Tgt Ion: 63 Resp: 157955

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 50.368 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

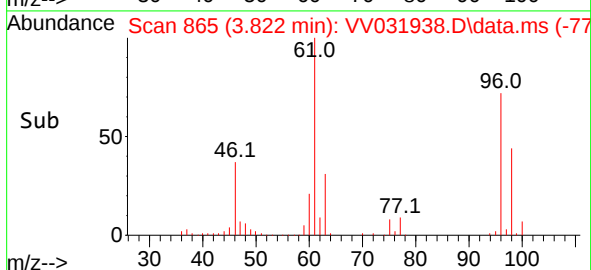
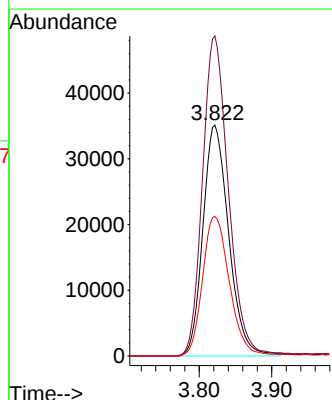
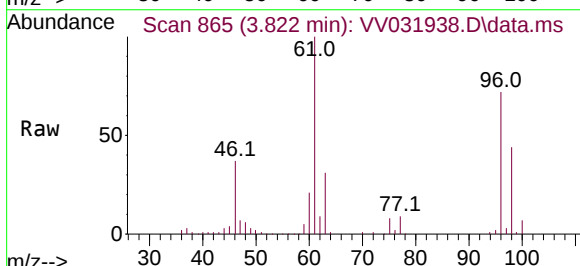
Tgt Ion: 96 Resp: 86876

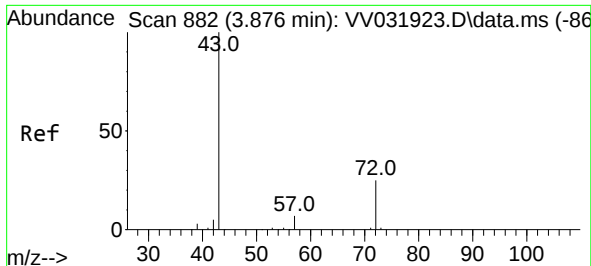
Ion Ratio Lower Upper

96 100

61 138.6 97.3 180.7

98 60.4 45.3 84.1

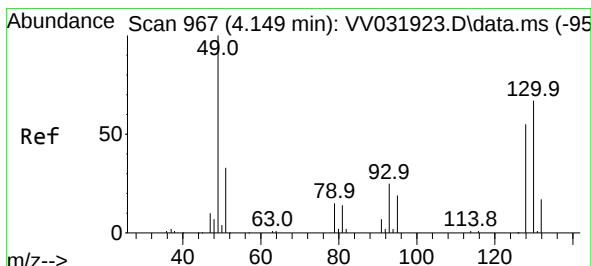
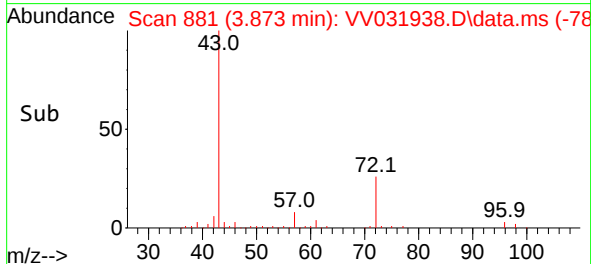
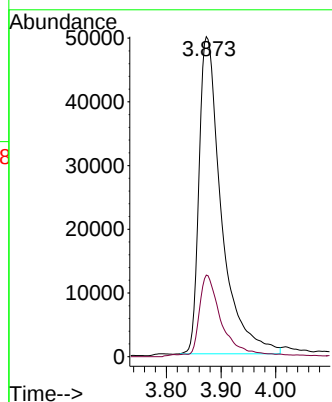
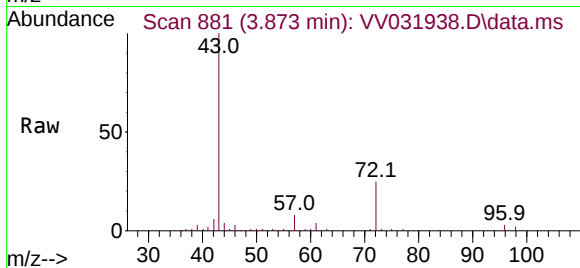




#22  
2-Butanone  
Concen: 101.822 ug/L  
RT: 3.873 min Scan# 881  
Delta R.T. -0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

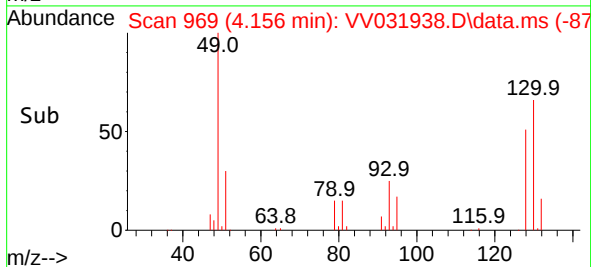
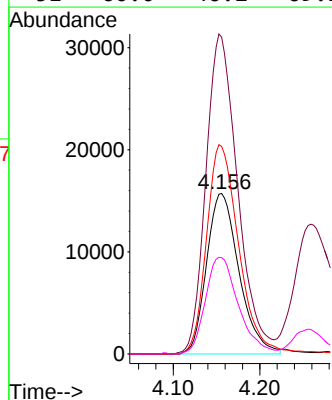
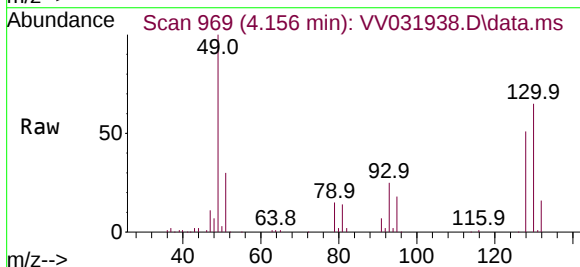
Instrument :  
MSVOA\_V  
ClientSampleId :

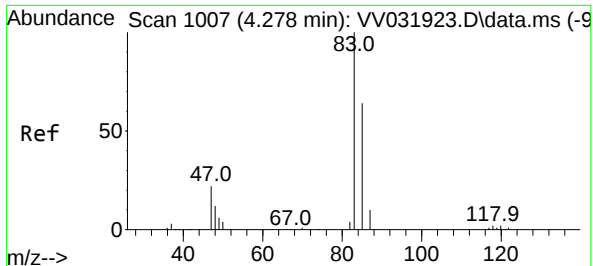
Tgt Ion: 43 Resp: 141234  
Ion Ratio Lower Upper  
43 100  
72 22.9 12.6 37.8



#23  
Bromochloromethane  
Concen: 48.824 ug/L  
RT: 4.156 min Scan# 969  
Delta R.T. 0.007 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion:128 Resp: 40857  
Ion Ratio Lower Upper  
128 100  
49 197.4 127.8 237.4  
130 129.3 90.1 167.3  
51 60.0 46.2 69.2





#25

Chloroform

Concen: 48.808 ug/L

RT: 4.285 min Scan# 1007

Delta R.T. 0.006 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

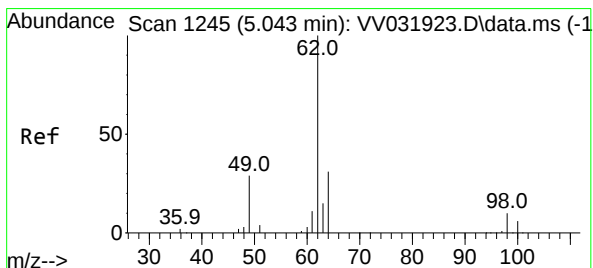
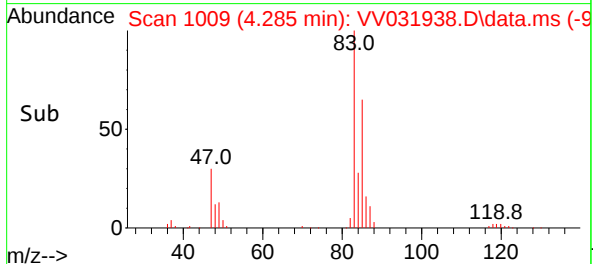
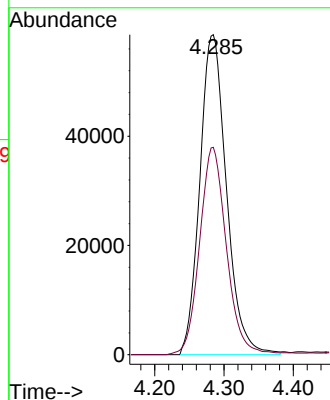
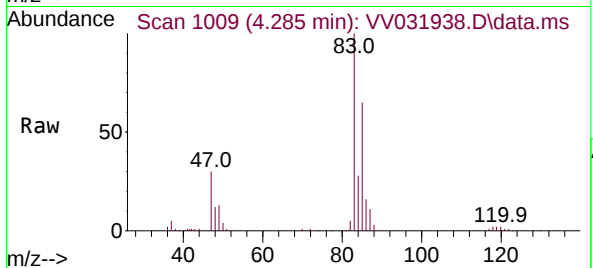
ClientSampleId :

Tgt Ion: 83 Resp: 156353

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3



#27

1,2-Dichloroethane

Concen: 48.830 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031938.D

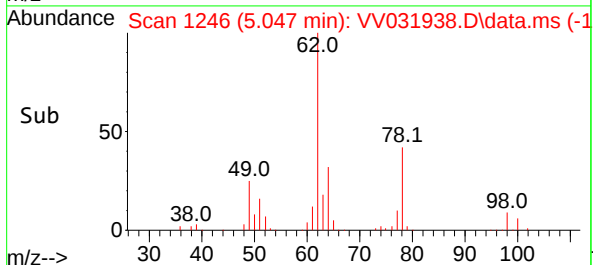
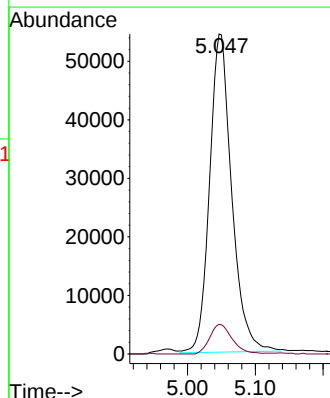
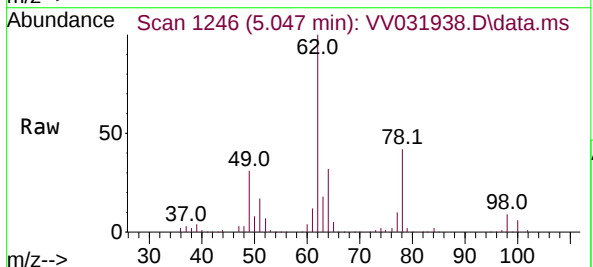
Acq: 25 Aug 2023 16:37

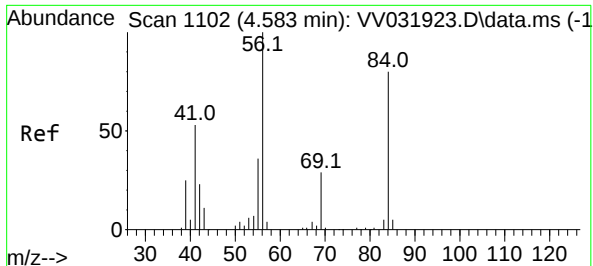
Tgt Ion: 62 Resp: 123234

Ion Ratio Lower Upper

62 100

98 9.2 7.0 10.4





#29

Cyclohexane

Concen: 51.293 ug/L

RT: 4.590 min Scan# 1102

Delta R.T. 0.007 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

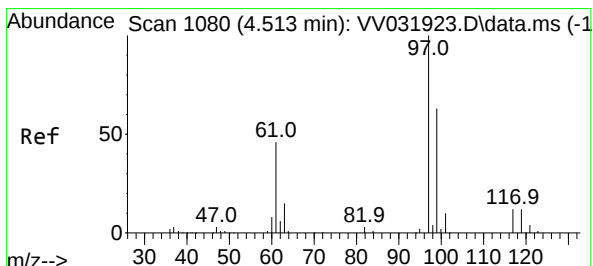
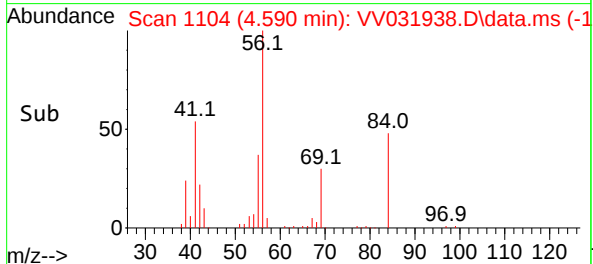
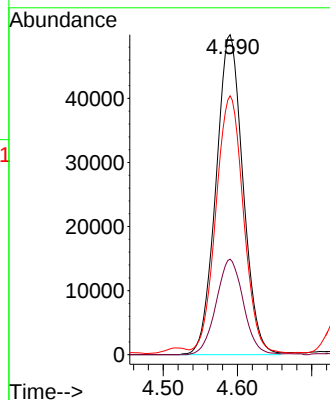
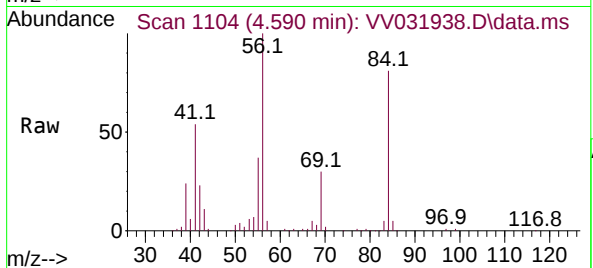
Tgt Ion: 56 Resp: 126081

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.4

84 82.7 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 47.773 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.006 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

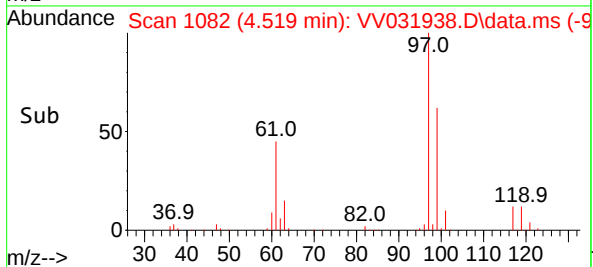
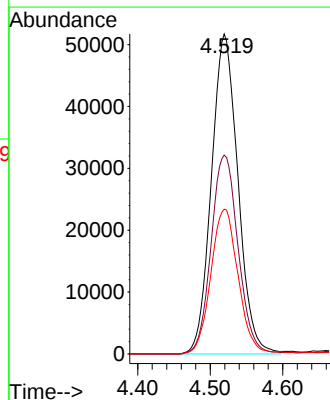
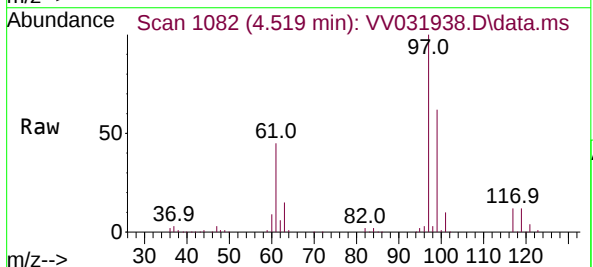
Tgt Ion: 97 Resp: 131554

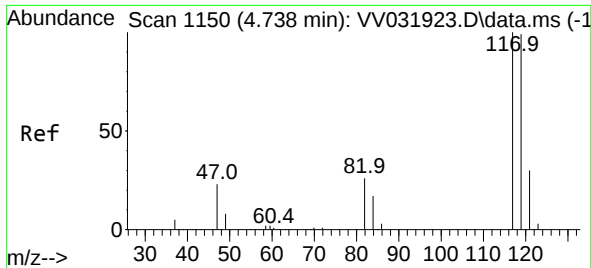
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 46.4 36.5 54.7

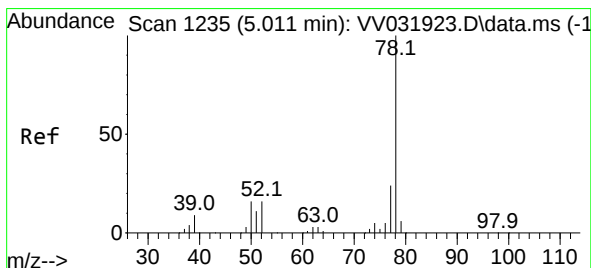
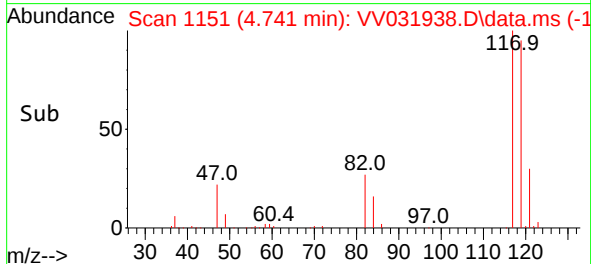
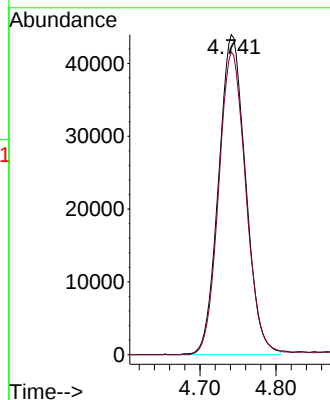
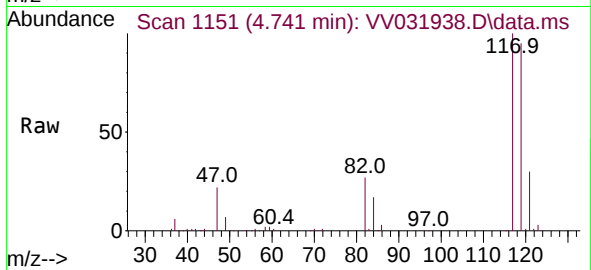




#31  
Carbon tetrachloride  
Concen: 46.359 ug/L  
RT: 4.741 min Scan# 1151  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

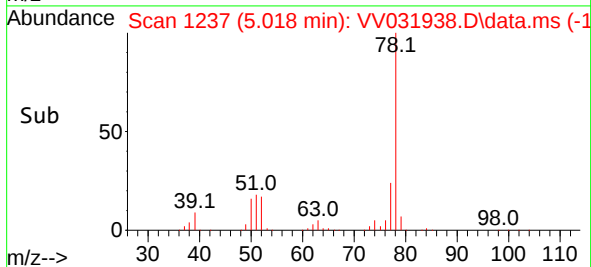
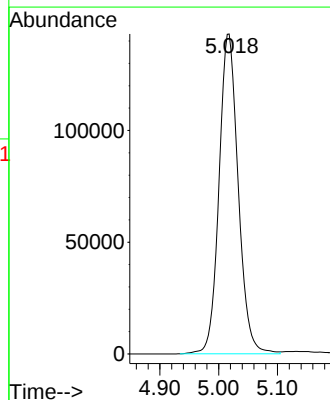
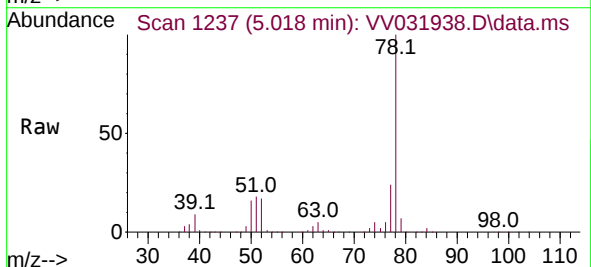
Instrument :  
MSVOA\_V  
ClientSampleId :

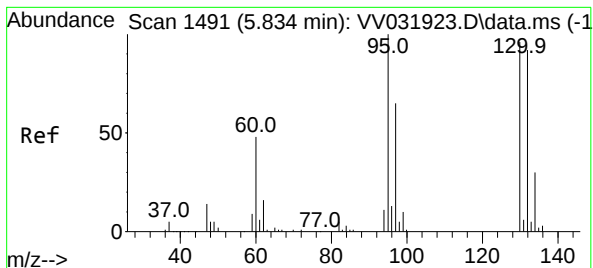
Tgt Ion:117 Resp: 108400  
Ion Ratio Lower Upper  
117 100  
119 94.9 75.4 113.2



#33  
Benzene  
Concen: 51.055 ug/L  
RT: 5.018 min Scan# 1237  
Delta R.T. 0.007 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion: 78 Resp: 323857





#34

Trichloroethene

Concen: 46.511 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 90231

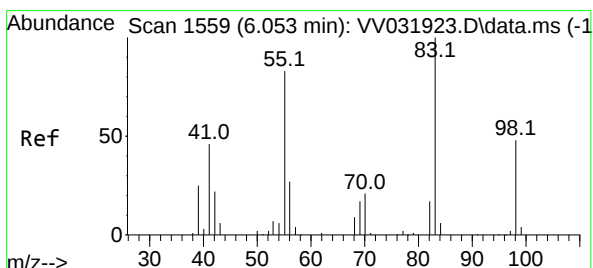
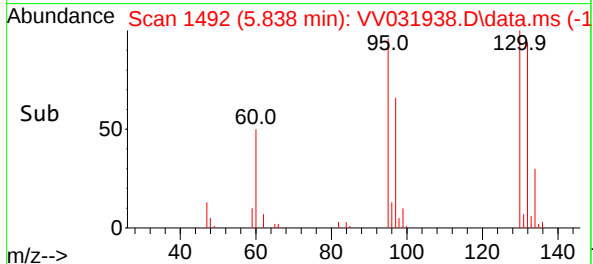
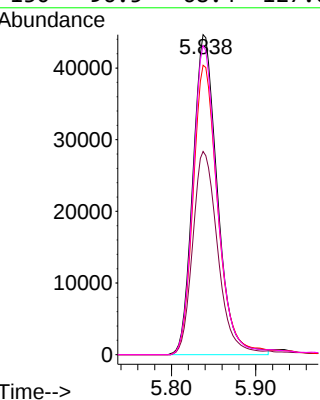
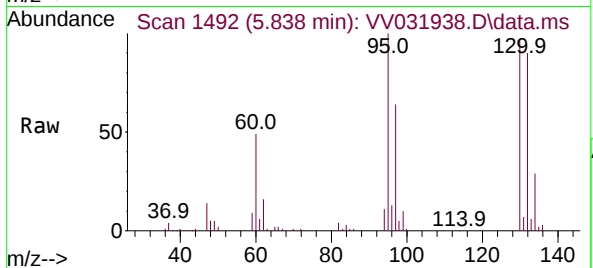
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.2

132 90.5 65.4 121.4

130 96.5 68.4 127.0



#35

Methylcyclohexane

Concen: 48.117 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

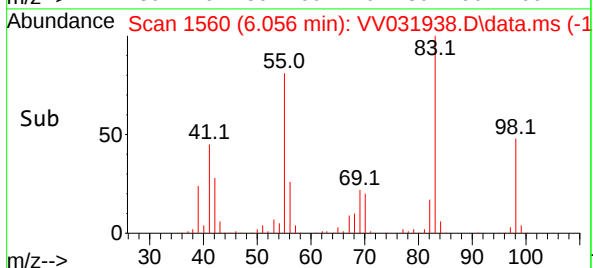
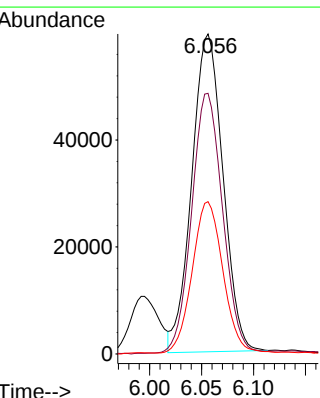
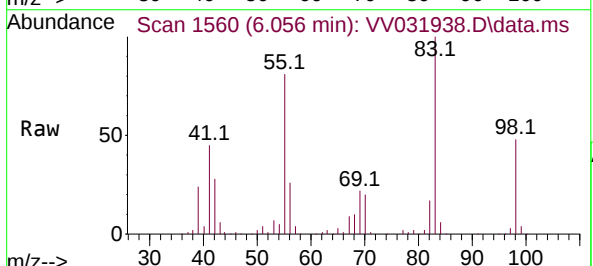
Tgt Ion: 83 Resp: 124159

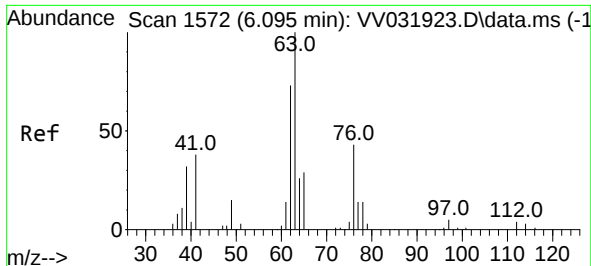
Ion Ratio Lower Upper

83 100

55 81.5 62.2 93.2

98 47.1 36.7 55.1





#37

1,2-Dichloropropane

Concen: 51.729 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

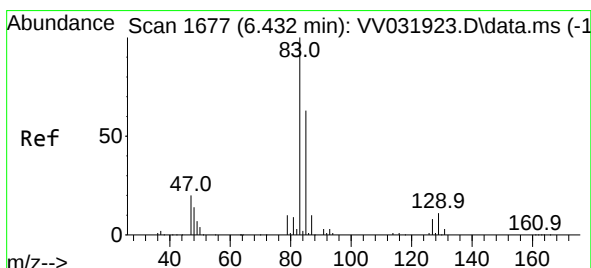
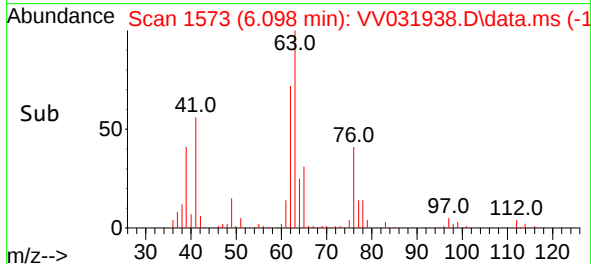
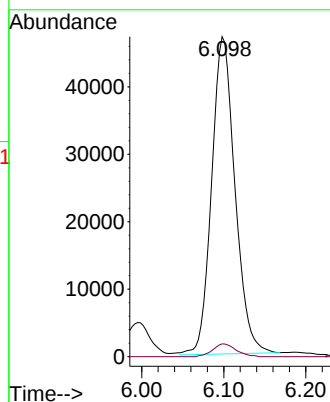
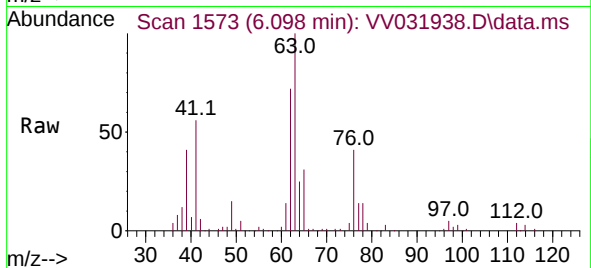
ClientSampleId :

Tgt Ion: 63 Resp: 93008

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 47.424 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.007 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

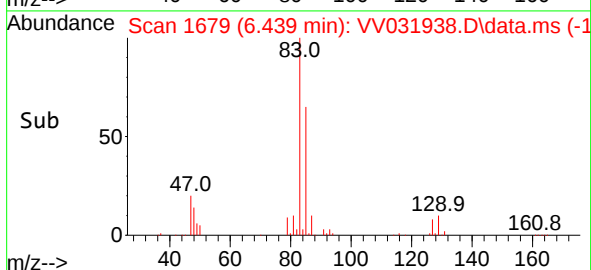
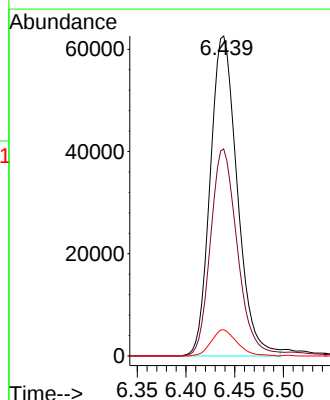
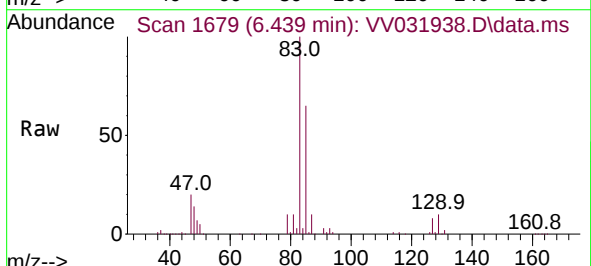
Tgt Ion: 83 Resp: 121030

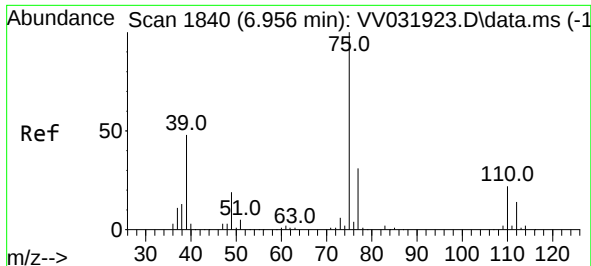
Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 49.840 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

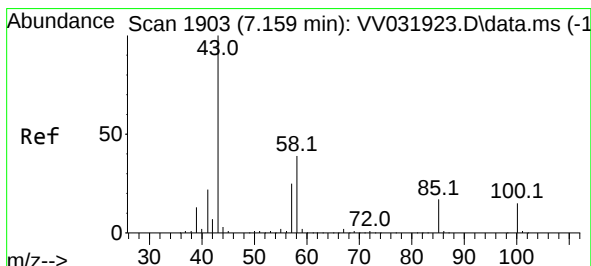
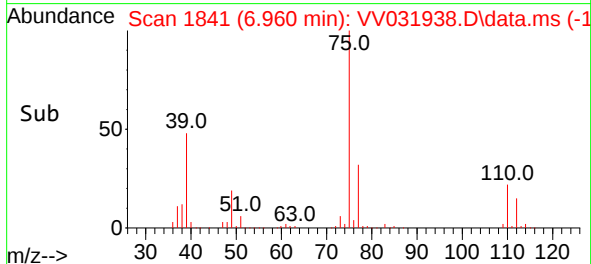
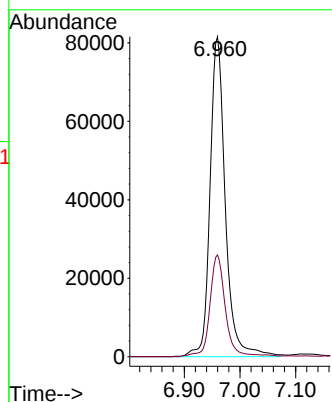
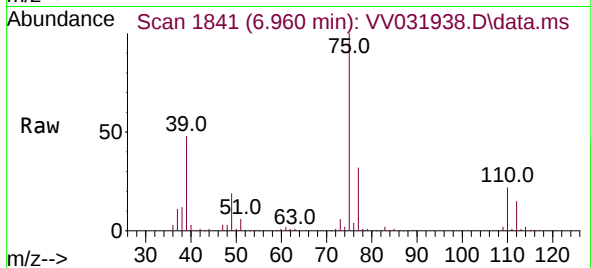
ClientSampleId :

Tgt Ion: 75 Resp: 155799

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 103.195 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

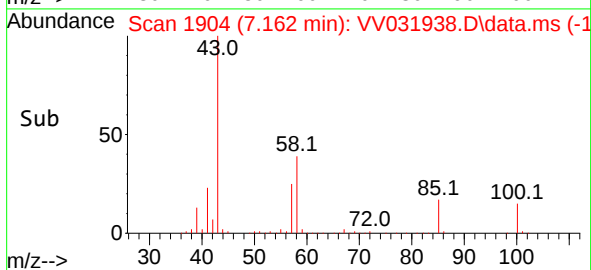
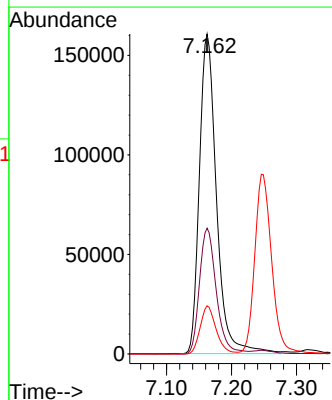
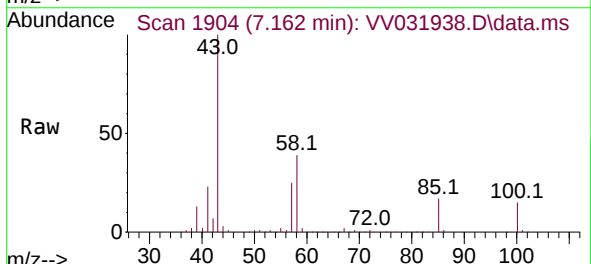
Tgt Ion: 43 Resp: 294492

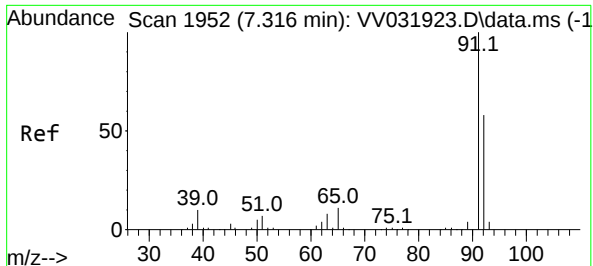
Ion Ratio Lower Upper

43 100

58 38.8 31.1 46.7

100 14.1 11.9 17.9





#42

Toluene

Concen: 50.225 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

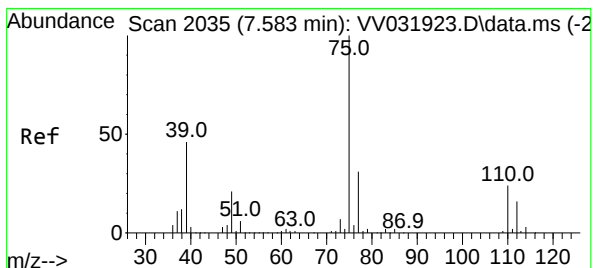
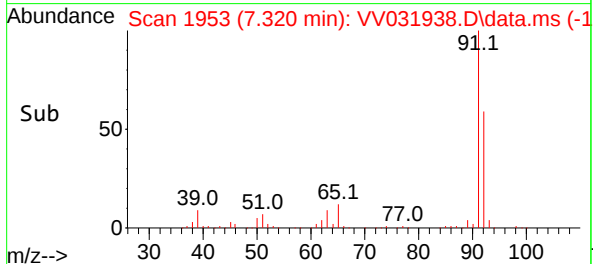
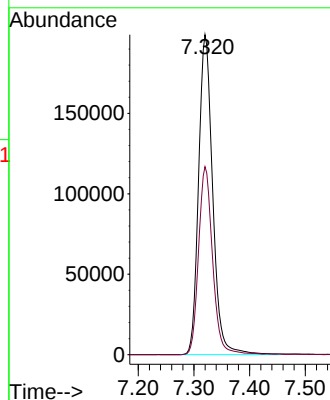
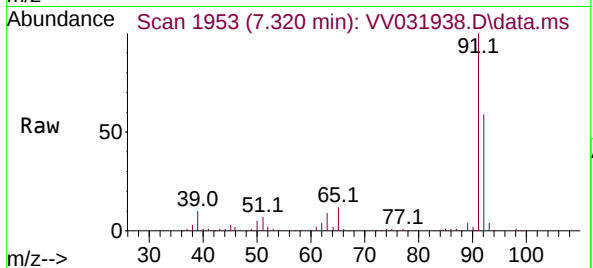
ClientSampleId :

Tgt Ion: 91 Resp: 350453

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 48.887 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031938.D

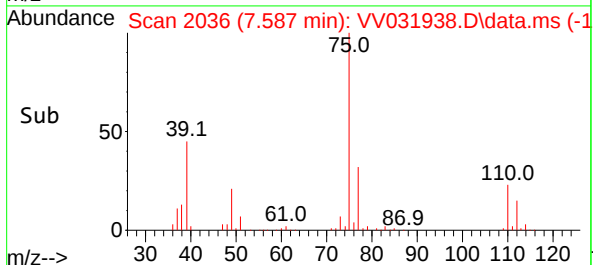
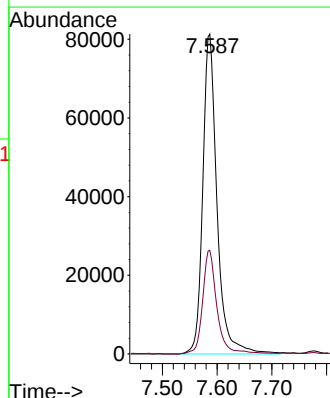
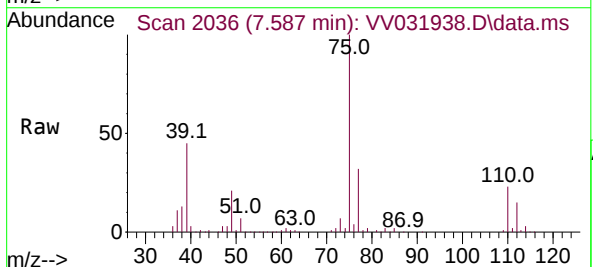
Acq: 25 Aug 2023 16:37

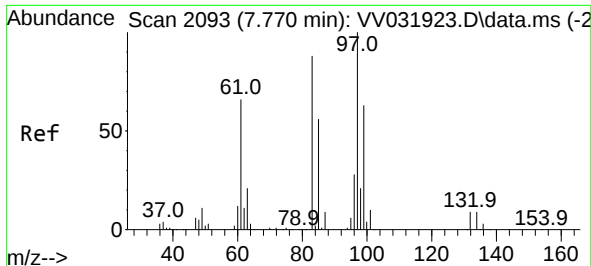
Tgt Ion: 75 Resp: 146831

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 49.521 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 89954

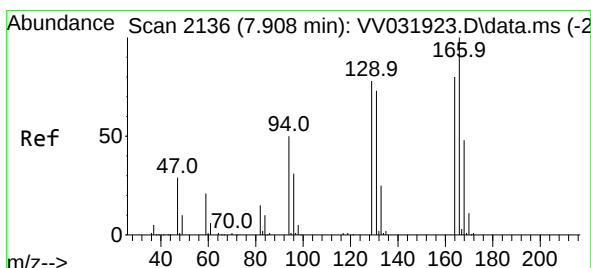
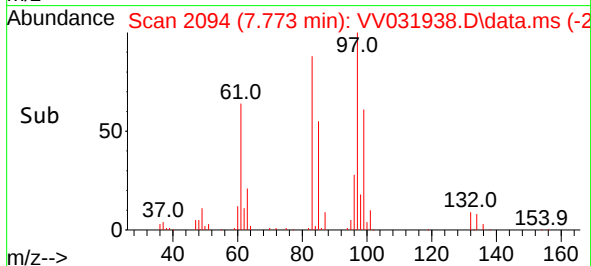
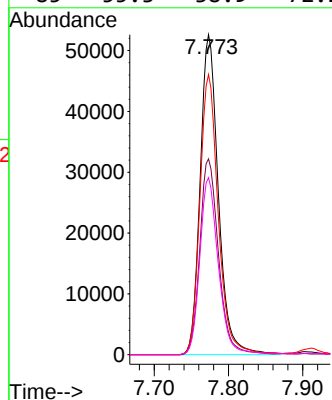
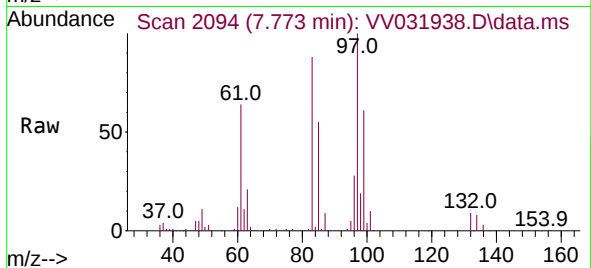
Ion Ratio Lower Upper

97 100

99 61.2 43.0 79.8

83 87.5 61.2 113.6

85 55.3 38.9 72.2



#46

Tetrachloroethene

Concen: 47.733 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Tgt Ion:164 Resp: 58145

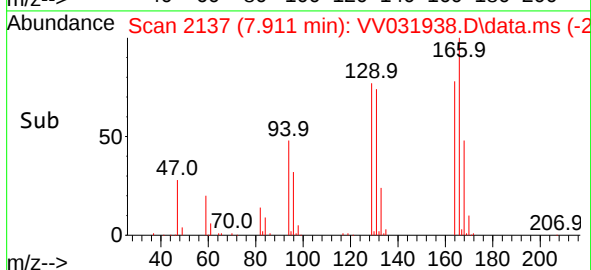
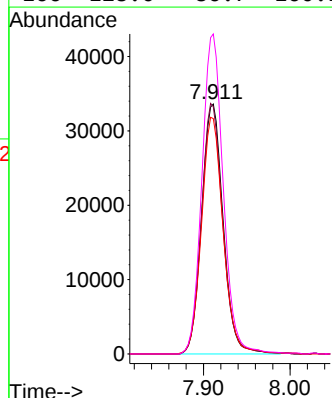
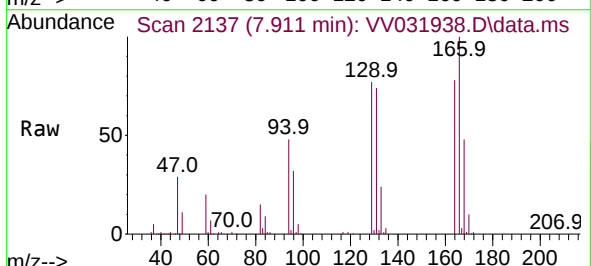
Ion Ratio Lower Upper

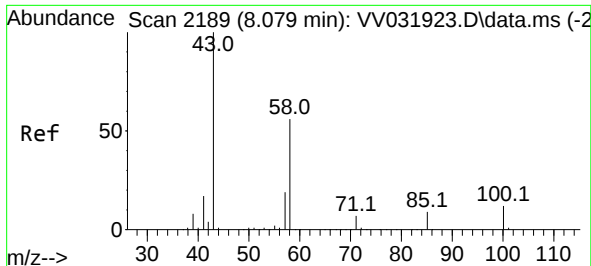
164 100

129 98.9 68.3 126.9

131 94.1 64.9 120.5

166 128.0 86.7 160.9



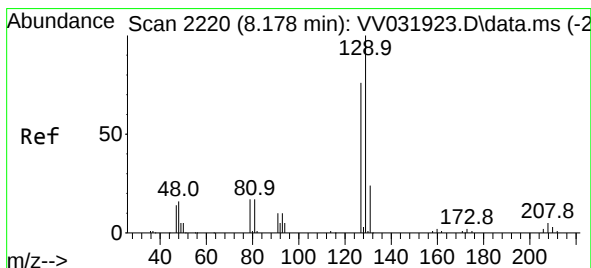
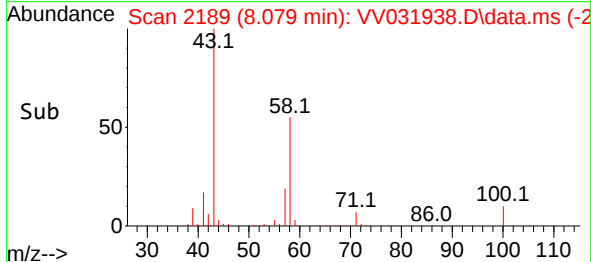
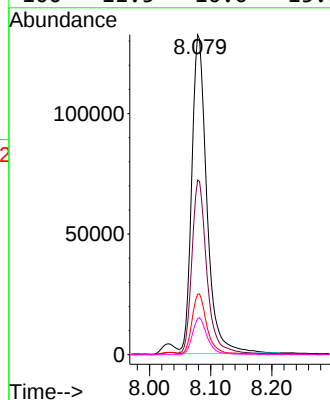
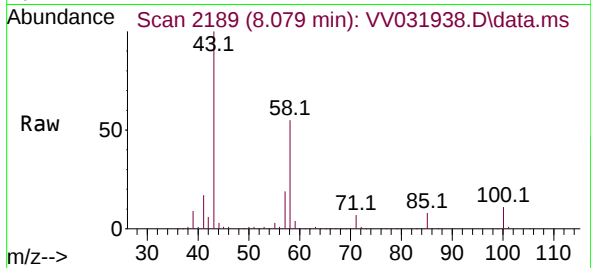


#48  
2-Hexanone  
Concen: 103.848 ug/L  
RT: 8.079 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 226317

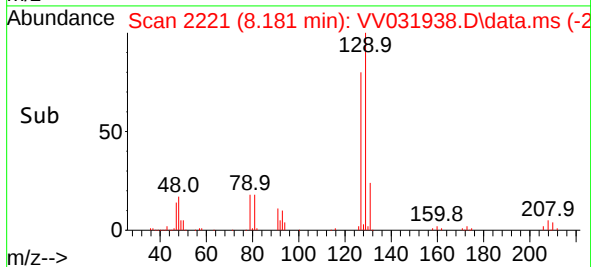
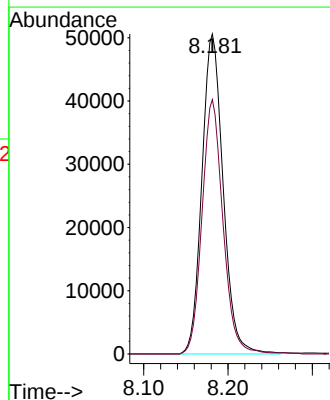
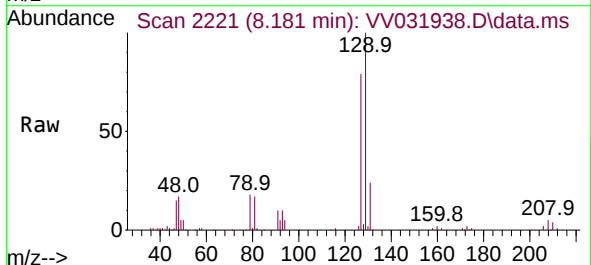
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.7  | 44.0  | 66.0  |
| 57  | 18.6  | 15.9  | 23.9  |
| 100 | 11.5  | 10.0  | 15.0  |

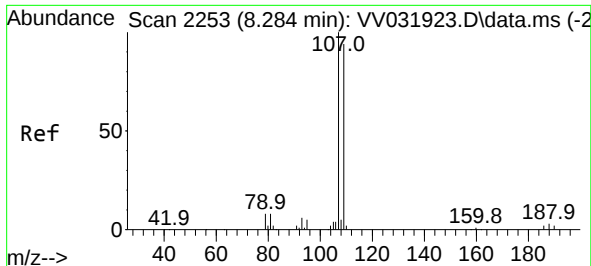


#49  
Dibromochloromethane  
Concen: 47.596 ug/L  
RT: 8.181 min Scan# 2221  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion: 129 Resp: 88843

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.5  | 54.7  | 101.7 |





#50

1,2-Dibromoethane

Concen: 48.240 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031938.D

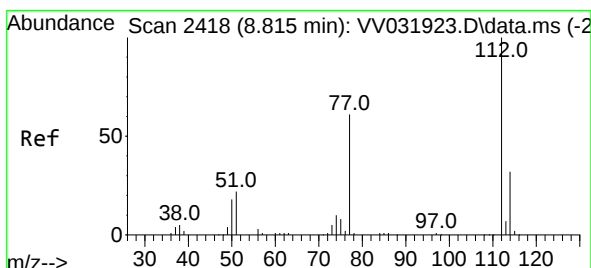
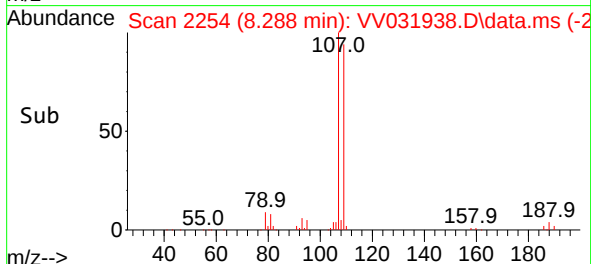
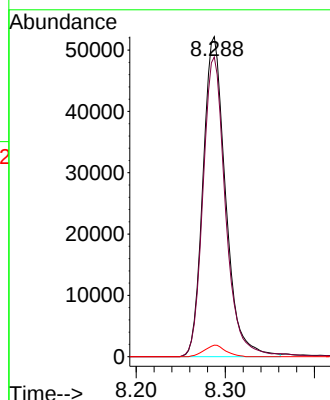
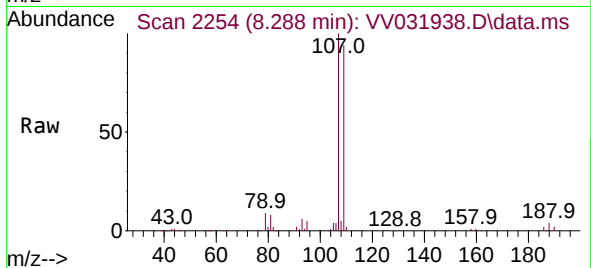
Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 91780       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 93.6  | 65.4 121.4  |
| 188         | 3.6   | 2.8 4.2     |



#51

Chlorobenzene

Concen: 49.160 ug/L

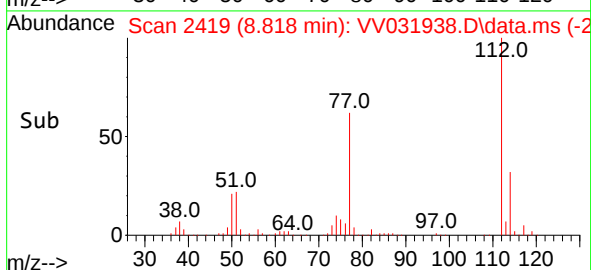
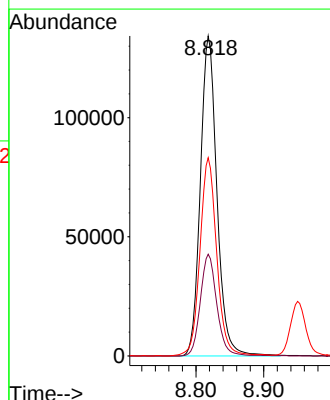
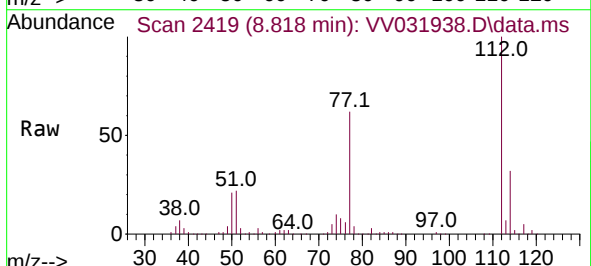
RT: 8.818 min Scan# 2419

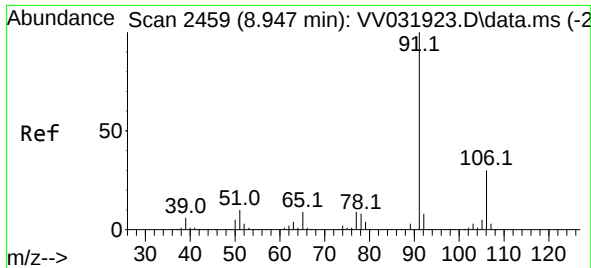
Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 227931      |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 31.8  | 22.0 40.8   |
| 77          | 62.0  | 49.4 74.0   |





#52

Ethylbenzene

Concen: 49.221 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

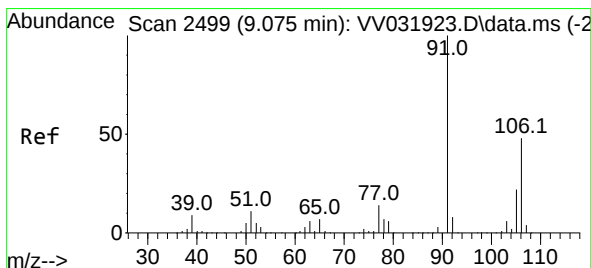
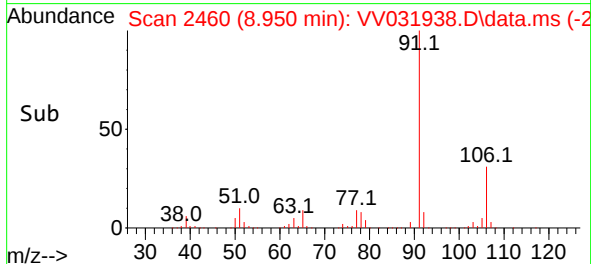
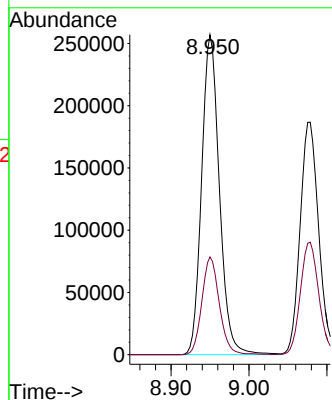
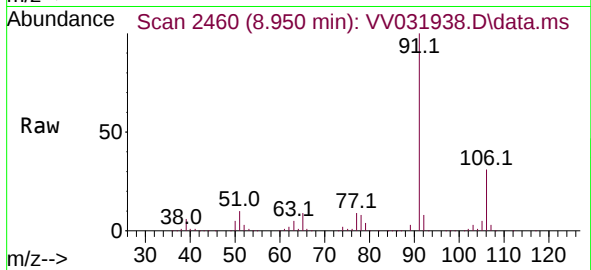
ClientSampleId :

Tgt Ion: 91 Resp: 406831

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#53

m,p-Xylene

Concen: 48.499 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.003 min

Lab File: VV031938.D

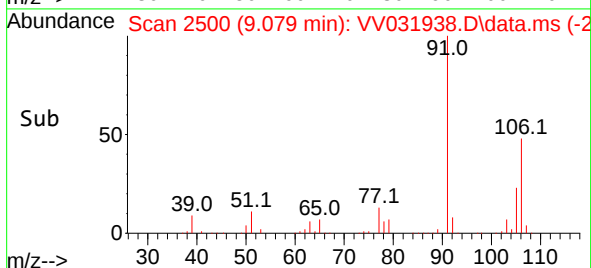
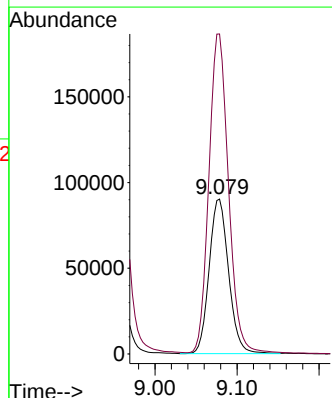
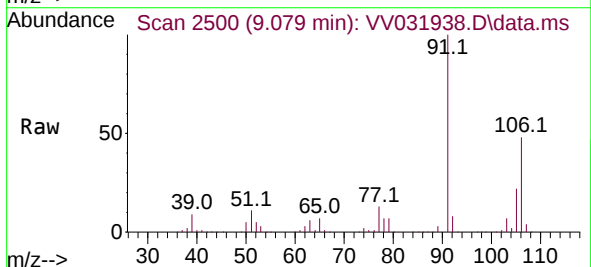
Acq: 25 Aug 2023 16:37

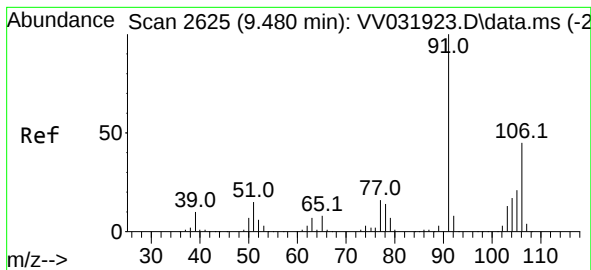
Tgt Ion:106 Resp: 148842

Ion Ratio Lower Upper

106 100

91 206.5 147.0 273.0





#54

o-Xylene

Concen: 49.192 ug/L

RT: 9.480 min Scan# 2625

Delta R.T. 0.000 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

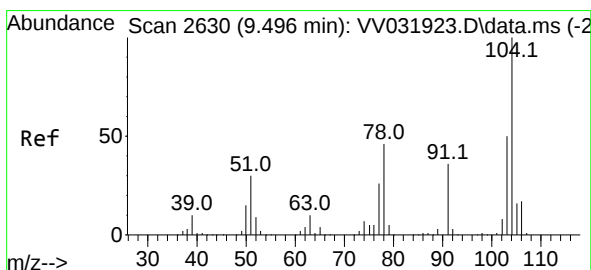
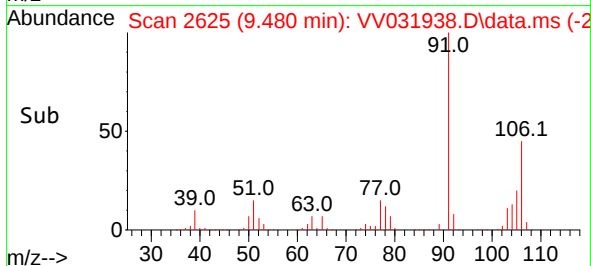
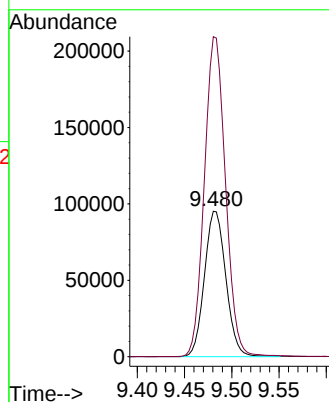
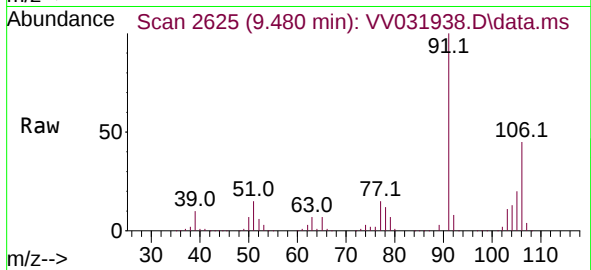
ClientSampleId :

Tgt Ion:106 Resp: 150148

Ion Ratio Lower Upper

106 100

91 220.0 154.3 286.5



#55

Styrene

Concen: 49.074 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.003 min

Lab File: VV031938.D

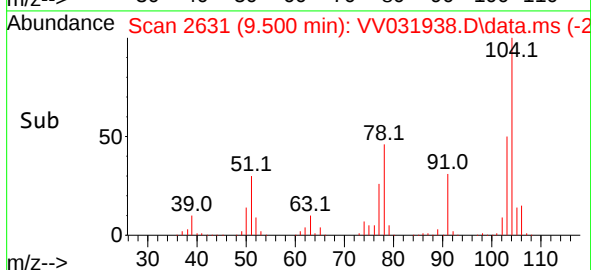
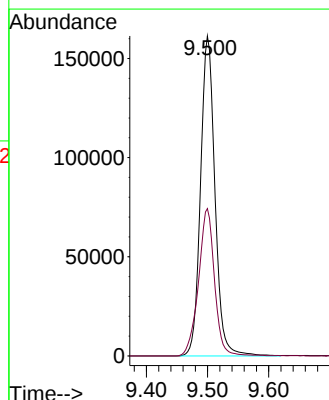
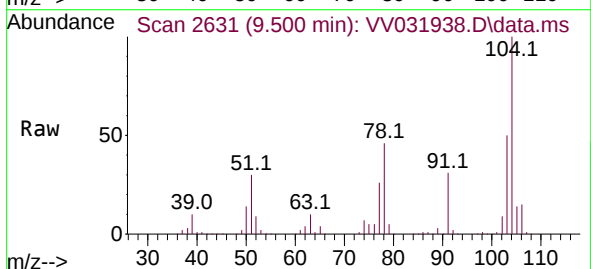
Acq: 25 Aug 2023 16:37

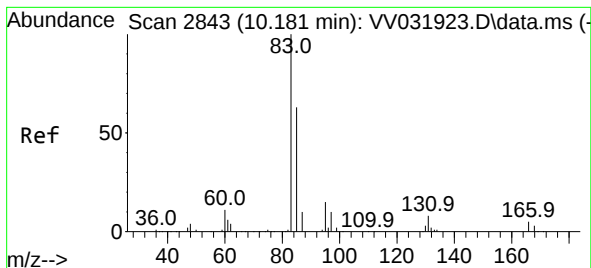
Tgt Ion:104 Resp: 264795

Ion Ratio Lower Upper

104 100

78 46.1 32.3 59.9

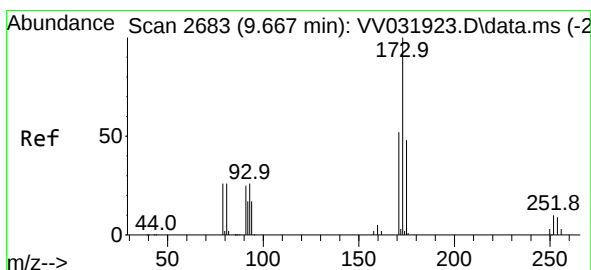
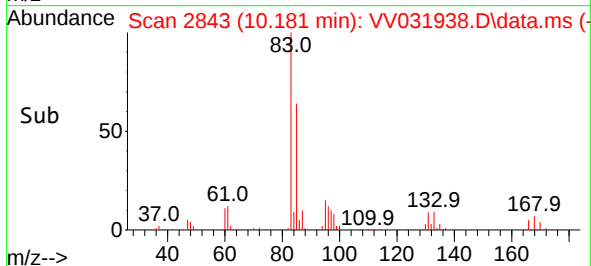
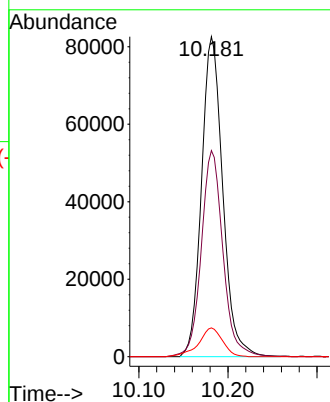
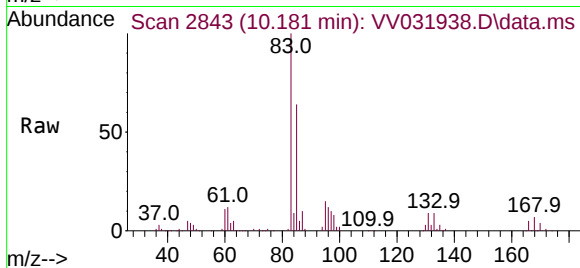




#57  
1,1,2,2-Tetrachloroethane  
Concen: 53.185 ug/L  
RT: 10.181 min Scan# 2843  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

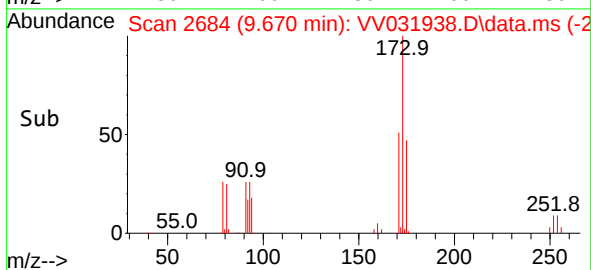
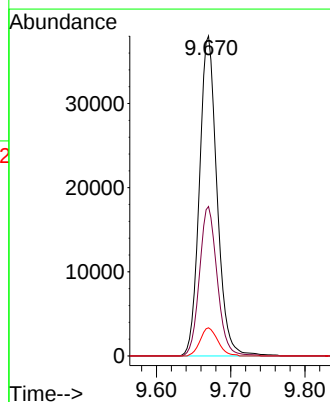
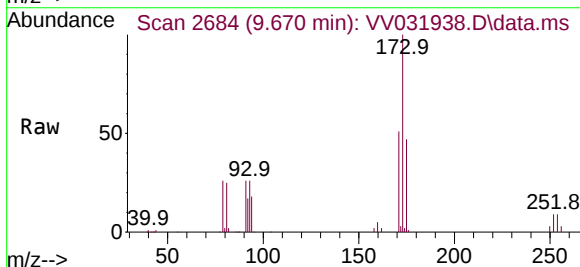
Instrument :  
MSVOA\_V  
ClientSampleId :

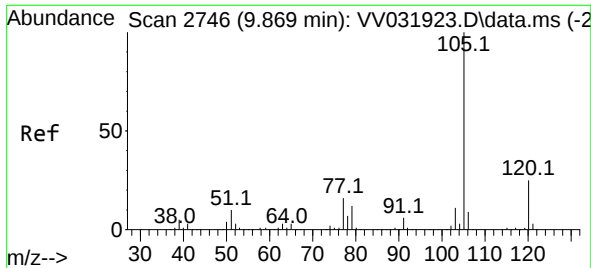
Tgt Ion: 83 Resp: 136760  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.1 83.9  
131 9.0 7.4 11.2



#59  
Bromoform  
Concen: 48.349 ug/L  
RT: 9.670 min Scan# 2684  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

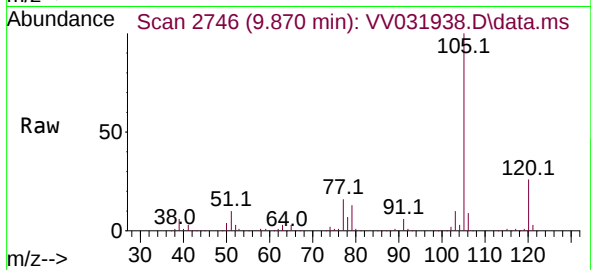
Tgt Ion: 173 Resp: 62810  
Ion Ratio Lower Upper  
173 100  
175 46.9 38.3 57.5  
254 8.8 6.9 10.3



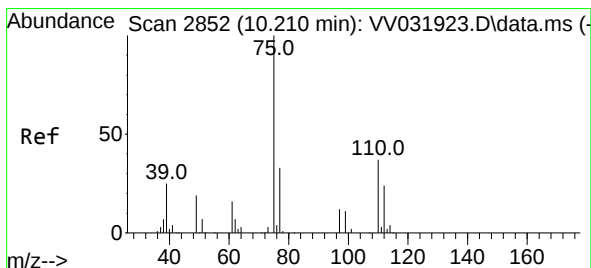
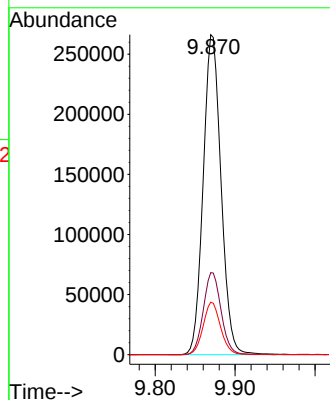
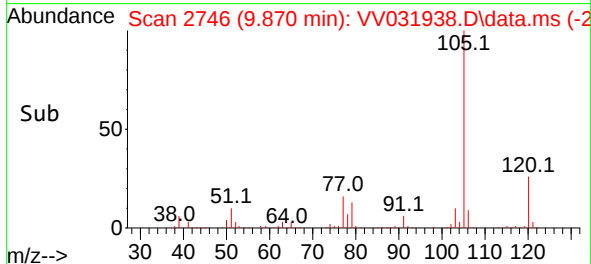


#60  
Isopropylbenzene  
Concen: 49.401 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

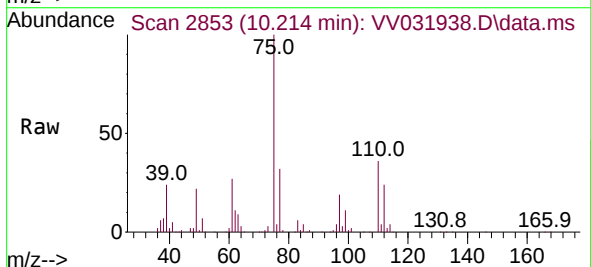
Instrument :  
MSVOA\_V  
ClientSampleId :



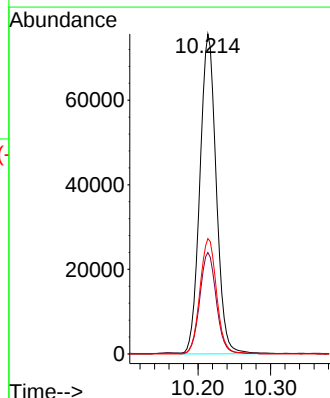
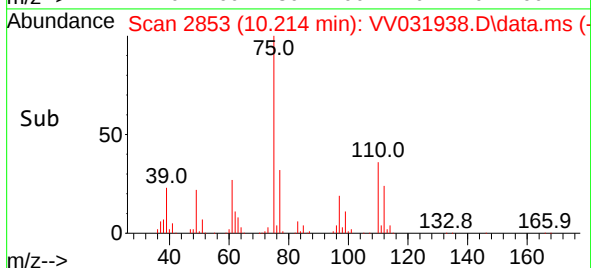
Tgt Ion:105 Resp: 414515  
Ion Ratio Lower Upper  
105 100  
120 25.5 20.6 31.0  
77 16.0 12.8 19.2

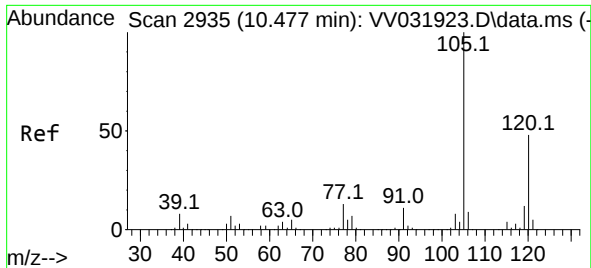


#61  
1,2,3-Trichloropropane  
Concen: 49.985 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37



Tgt Ion: 75 Resp: 118307  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.7 38.5  
110 36.8 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 48.298 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

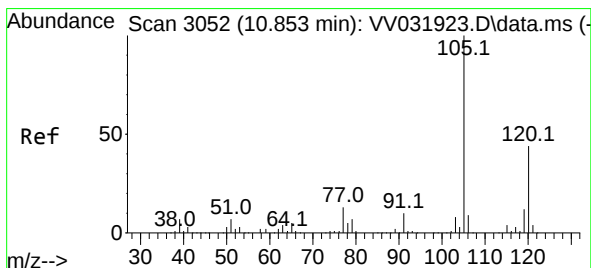
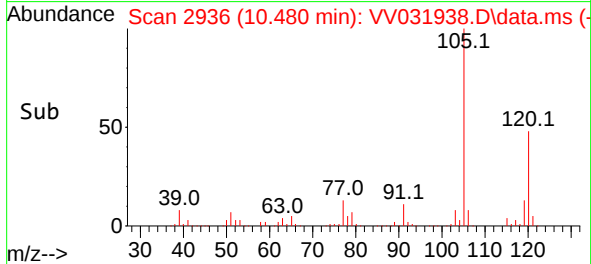
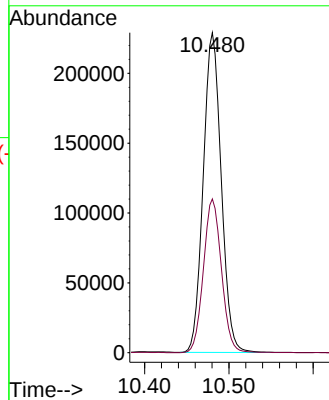
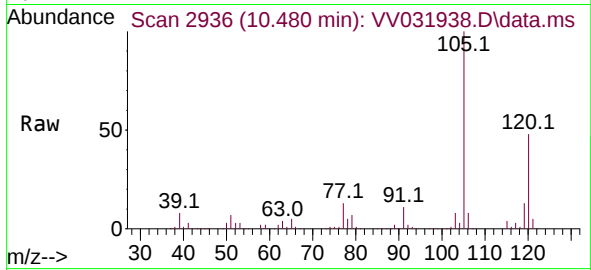
ClientSampleId :

Tgt Ion:105 Resp: 340944

Ion Ratio Lower Upper

105 100

120 48.2 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 48.840 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV031938.D

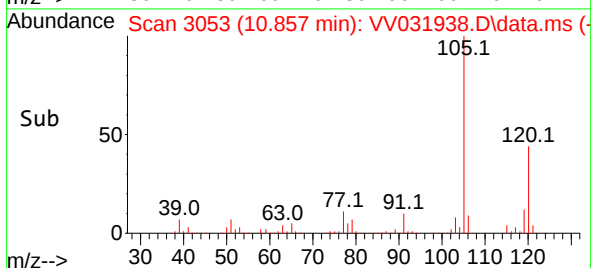
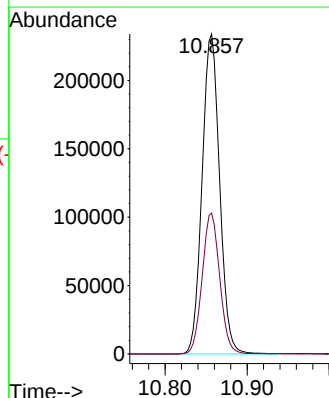
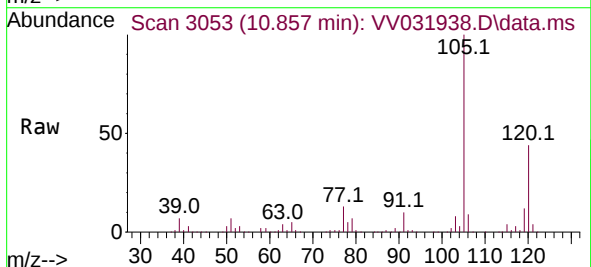
Acq: 25 Aug 2023 16:37

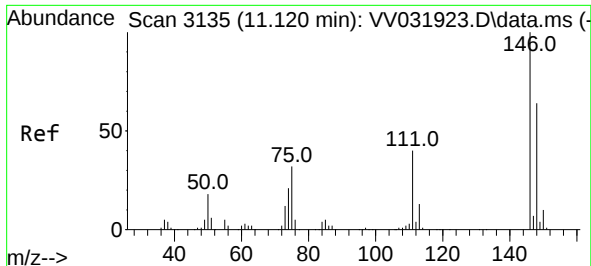
Tgt Ion:105 Resp: 346834

Ion Ratio Lower Upper

105 100

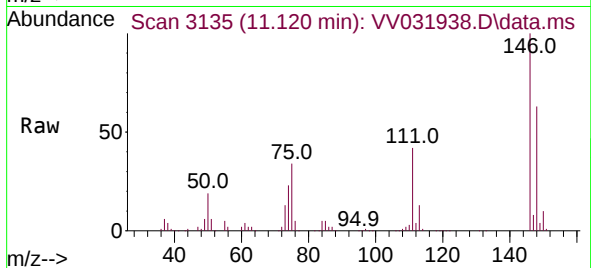
120 44.1 35.9 53.9



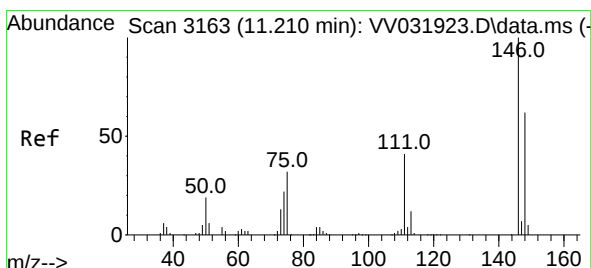
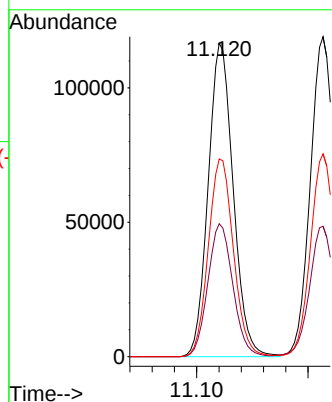
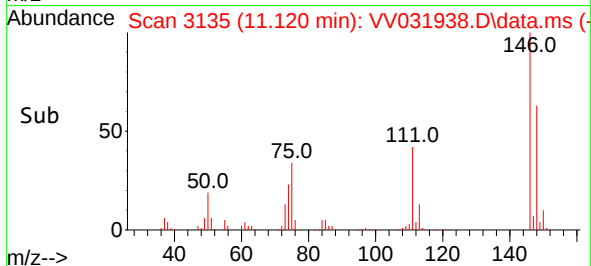


#64  
1,3-Dichlorobenzene  
Concen: 48.437 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

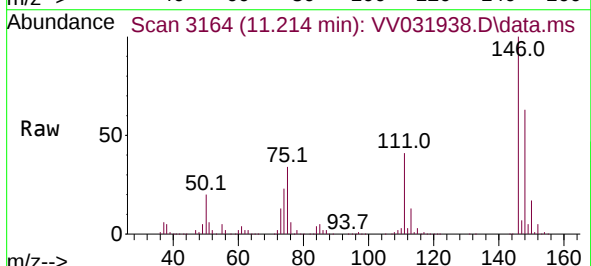
Instrument :  
MSVOA\_V  
ClientSampleId :



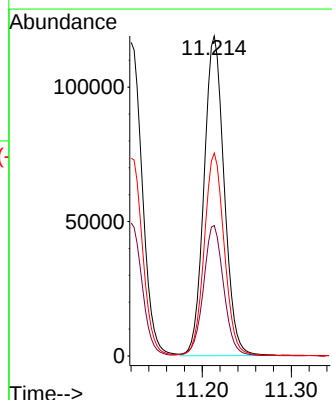
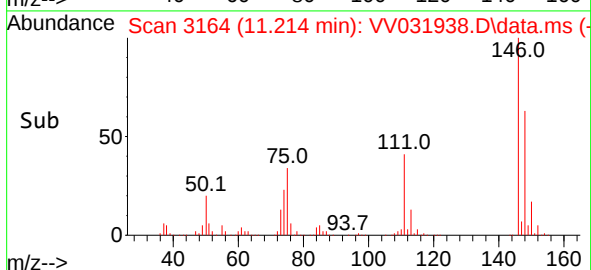
Tgt Ion:146 Resp: 182145  
Ion Ratio Lower Upper  
146 100  
111 42.4 30.2 56.0  
148 63.1 44.1 81.9

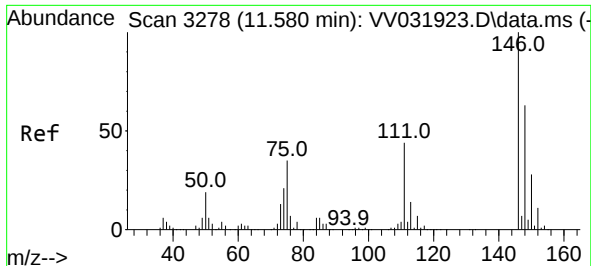


#65  
1,4-Dichlorobenzene  
Concen: 48.855 ug/L  
RT: 11.214 min Scan# 3164  
Delta R.T. 0.003 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37



Tgt Ion:146 Resp: 186813  
Ion Ratio Lower Upper  
146 100  
111 40.8 28.5 52.9  
148 63.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 49.192 ug/L

RT: 11.583 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :

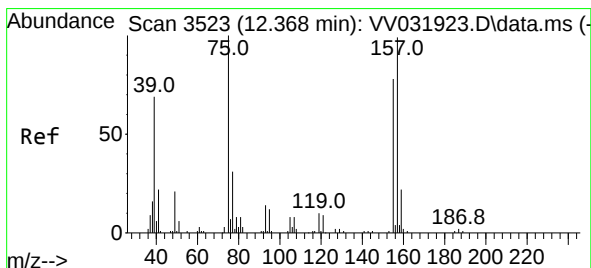
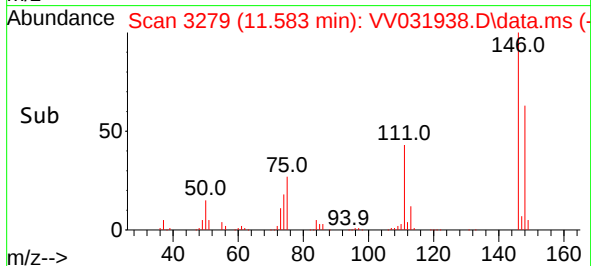
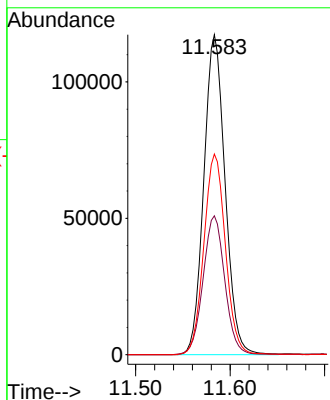
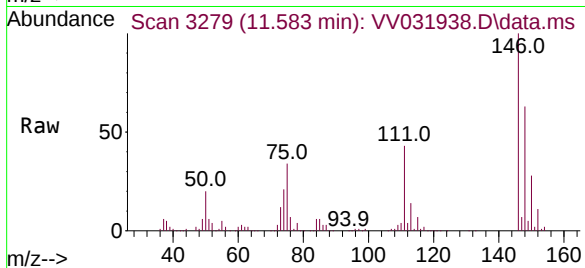
Tgt Ion:146 Resp: 183303

Ion Ratio Lower Upper

146 100

111 43.4 35.8 53.6

148 62.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 47.331 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

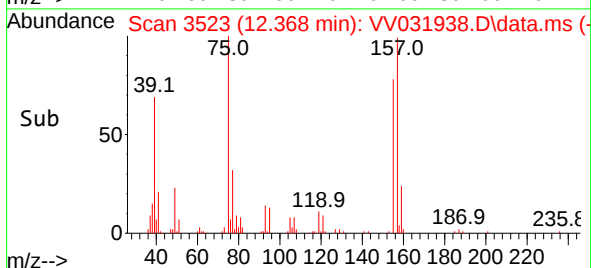
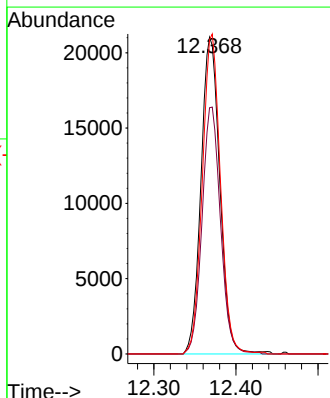
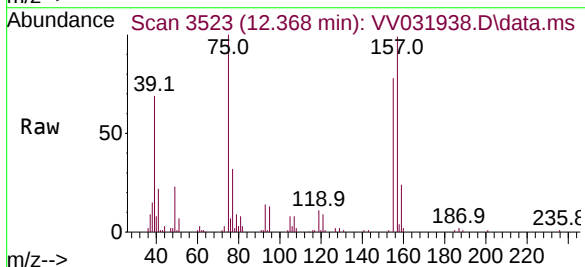
Tgt Ion: 75 Resp: 33649

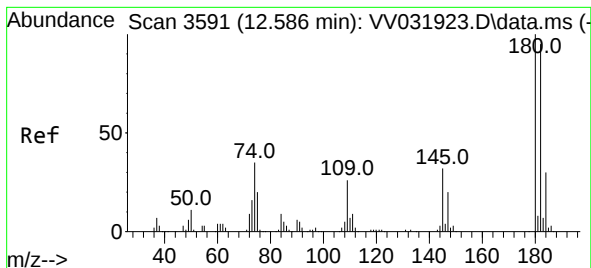
Ion Ratio Lower Upper

75 100

155 77.7 60.1 90.1

157 99.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 48.350 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

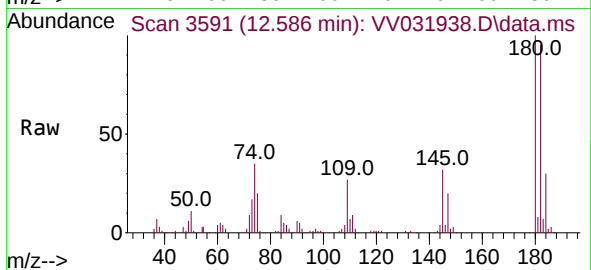
Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 132546

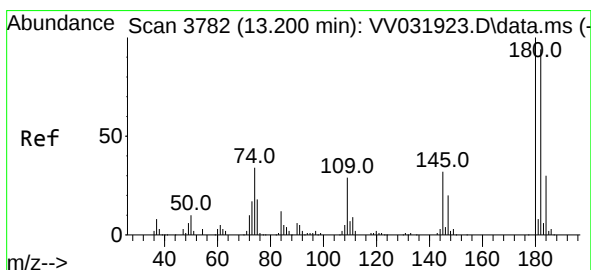
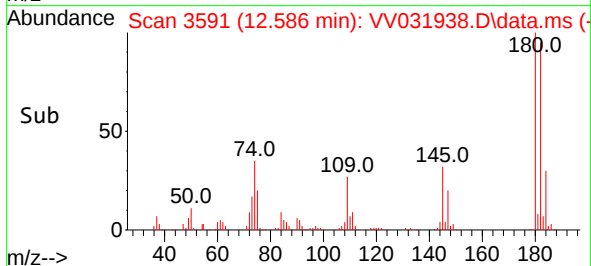
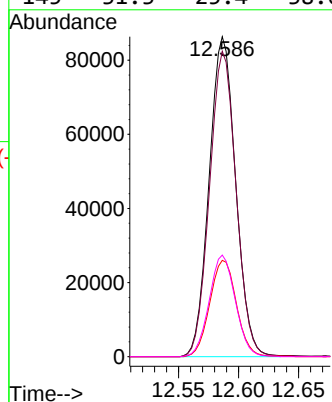
Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

184 30.3 23.7 35.5

145 31.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 49.080 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV031938.D

Acq: 25 Aug 2023 16:37

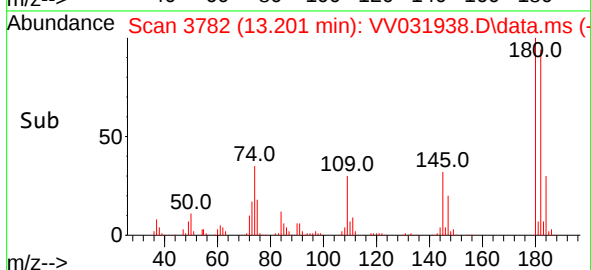
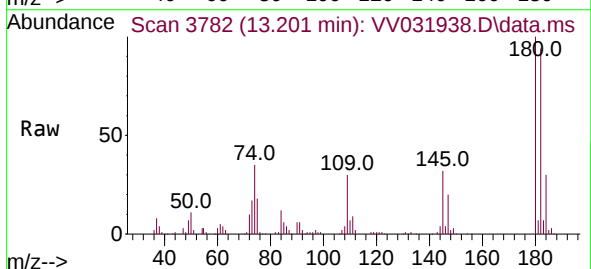
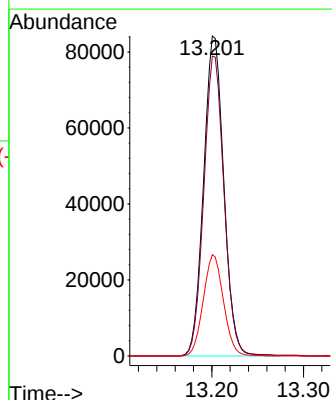
Tgt Ion:180 Resp: 129149

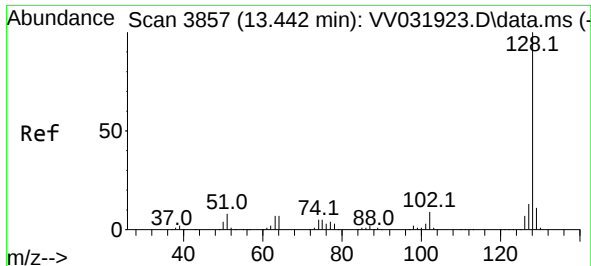
Ion Ratio Lower Upper

180 100

182 93.6 75.4 113.2

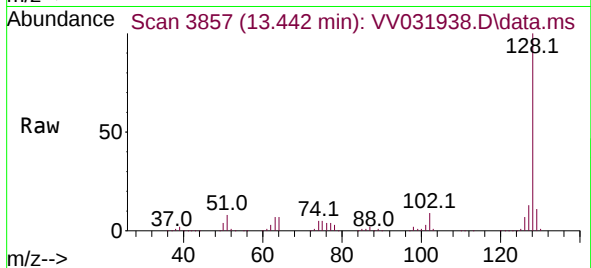
145 31.5 26.0 39.0



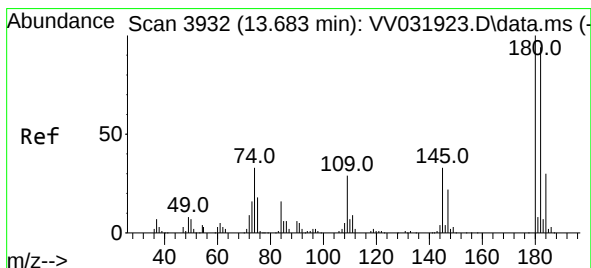
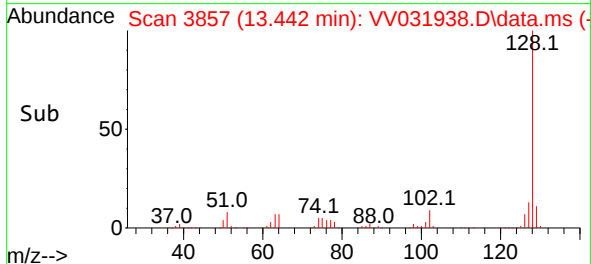
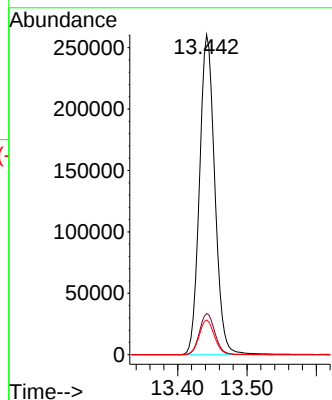


#71  
Naphthalene  
Concen: 47.551 ug/L  
RT: 13.442 min Scan# 3857  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 399772  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.4 15.6  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 49.177 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.000 min  
Lab File: VV031938.D  
Acq: 25 Aug 2023 16:37

Tgt Ion:180 Resp: 124000  
Ion Ratio Lower Upper  
180 100  
182 94.8 76.7 115.1  
145 33.6 27.7 41.5

