

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061523\  
 Data File : VW031560.D  
 Acq On : 16 Jun 2023 03:43  
 Operator : SY/MD  
 Sample : 03254-10MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW5MSD

Quant Time: Jun 16 06:21:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 05:51:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 258763   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789   | 117   | 250518   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191  | 152   | 149506   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 62144    | 36.085   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 72.180%  |
| 7) Chloroethane-d5            | 1.535   | 69    | 58098    | 38.664   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 77.320%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 32390    | 36.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 72.980%  |
| 21) 2-Butanone-d5             | 3.796   | 46    | 118105   | 84.695   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 84.690%  |
| 24) Chloroform-d              | 4.259   | 84    | 177078   | 41.057   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.120%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 112020   | 41.512   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.020%  |
| 32) Benzene-d6                | 4.969   | 84    | 307713   | 43.638   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.280%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 107200   | 42.892   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.780%  |
| 41) Toluene-d8                | 7.249   | 98    | 288166   | 44.533   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.060%  |
| 43) trans-1,3-Dichloroprop... | 7.558   | 79    | 52042    | 42.714   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.420%  |
| 47) 2-Hexanone-d5             | 8.030   | 63    | 87280    | 88.448   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.450%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 160613   | 42.576   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 85.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 119946   | 42.089   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.180%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 107433   | 39.142   | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 106657   | 41.181   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.288   | 62    | 218831   | 85.234   | ug/L   | 99       |
| 6) Bromomethane               | 1.490   | 94    | 67514    | 40.347   | ug/L   | 90       |
| 8) Chloroethane               | 1.555   | 64    | 168129   | 101.391  | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 1.719   | 101   | 176328   | 41.282   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076   | 101   | 91268    | 39.872   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 84084    | 43.916   | ug/L   | 93       |
| 13) Acetone                   | 2.124   | 43    | 77314    | 56.187   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.246   | 76    | 256979   | 44.371   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.381   | 43    | 80172    | 34.606   | ug/L   | 99       |
| 16) Methylene chloride        | 2.455   | 84    | 101172   | 42.147   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 2.703   | 96    | 90519    | 45.291   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.712   | 73    | 306345   | 45.938   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.121   | 63    | 196527   | 45.561   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.821   | 96    | 169527   | 78.490   | ug/L   | 96       |
| 22) 2-Butanone                | 3.879   | 43    | 126936   | 73.844   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.156   | 128   | 52126    | 44.647   | ug/L   | 99       |
| 25) Chloroform                | 4.284   | 83    | 200876   | 44.798   | ug/L   | 100      |

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 Operator : SY/MD  
 Sample : 03254-10MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 46 Sample Multiplier: 1

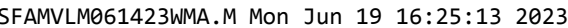
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW5MSD

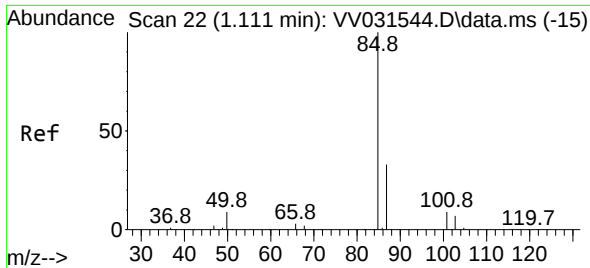
Quant Time: Jun 16 06:21:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 16 05:51:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 165950   | 47.952 | ug/L   | 98       |
| 29) Cyclohexane               | 4.593  | 56   | 143783   | 44.114 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.522  | 97   | 181893   | 45.286 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 161600   | 45.408 | ug/L   | 99       |
| 33) Benzene                   | 5.018  | 78   | 385590   | 46.230 | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 101704   | 45.632 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.059  | 83   | 134935   | 41.089 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 110358   | 45.059 | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.439  | 83   | 150291   | 45.399 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 166963   | 45.924 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 267198   | 92.910 | ug/L   | 99       |
| 42) Toluene                   | 7.320  | 91   | 412434   | 47.692 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 161358   | 45.575 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 104884   | 45.333 | ug/L   | 97       |
| 46) Tetrachloroethene         | 7.911  | 164  | 77076    | 44.062 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.082  | 43   | 204821   | 89.175 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.181  | 129  | 120813   | 46.983 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 112728   | 45.758 | ug/L   | 98       |
| 51) Chlorobenzene             | 8.818  | 112  | 262954   | 45.911 | ug/L   | 98       |
| 52) Ethylbenzene              | 8.953  | 91   | 452674   | 46.911 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 167929   | 47.521 | ug/L   | 98       |
| 54) o-Xylene                  | 9.484  | 106  | 159185   | 47.469 | ug/L   | 100      |
| 55) Styrene                   | 9.500  | 104  | 294009   | 49.091 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 172015   | 45.502 | ug/L   | 98       |
| 59) Bromoform                 | 9.670  | 173  | 90756    | 48.972 | ug/L # | 100      |
| 60) Isopropylbenzene          | 9.873  | 105  | 452291   | 47.453 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 130630   | 44.237 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 372358   | 47.268 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 343992   | 46.865 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 219005   | 45.831 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 226488   | 44.478 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 220373   | 45.692 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 36900    | 42.102 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 157115   | 43.150 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 139789   | 43.799 | ug/L   | 99       |
| 71) Naphthalene               | 13.445 | 128  | 375662   | 46.469 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 148575   | 44.797 | ug/L   | 98       |

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

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Response via : Initial Calibration

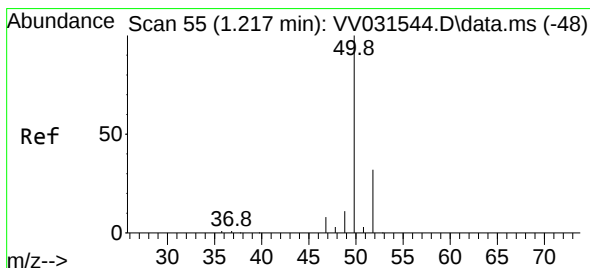
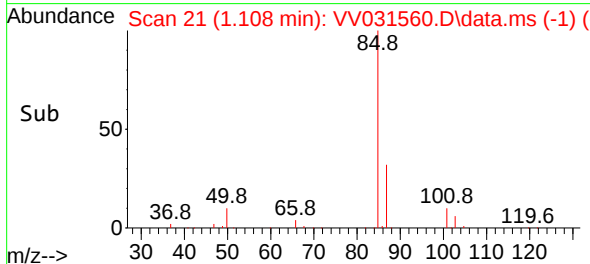
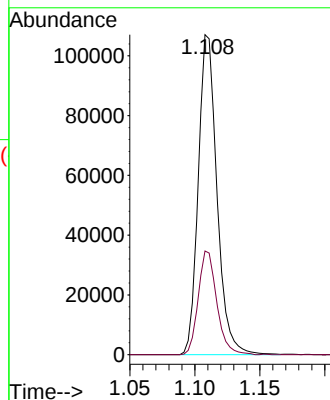
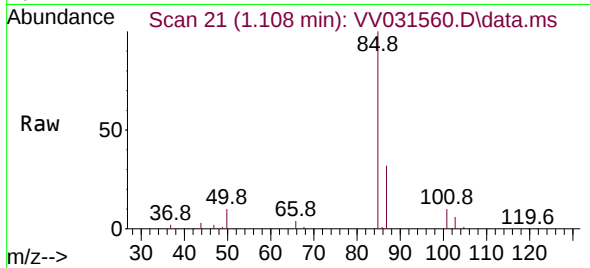




#2  
 Dichlorodifluoromethane  
 Concen: 39.142 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

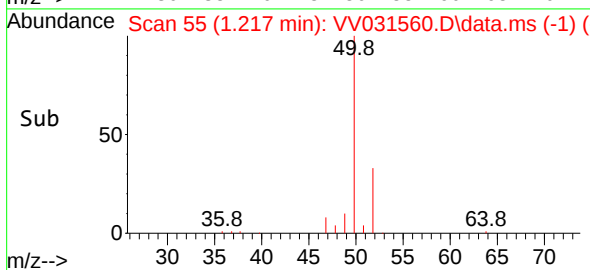
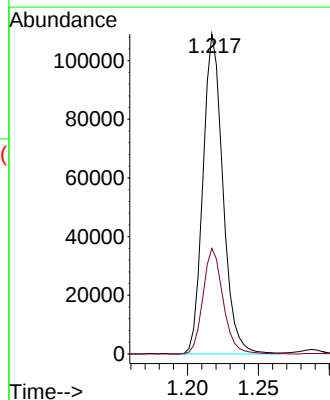
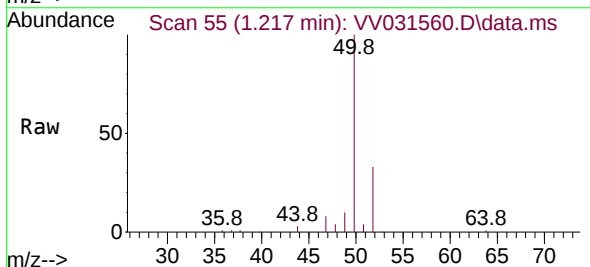
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW5MSD

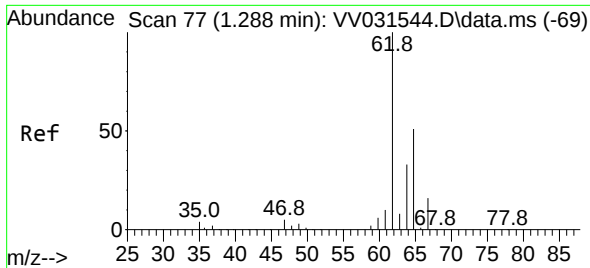
Tgt Ion: 85 Resp: 107433  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.5 38.3



#3  
 Chloromethane  
 Concen: 41.181 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

Tgt Ion: 50 Resp: 106657  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 22.3 41.5

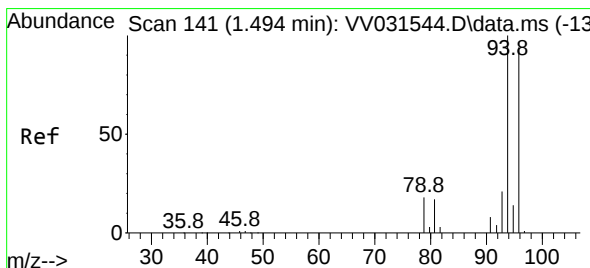
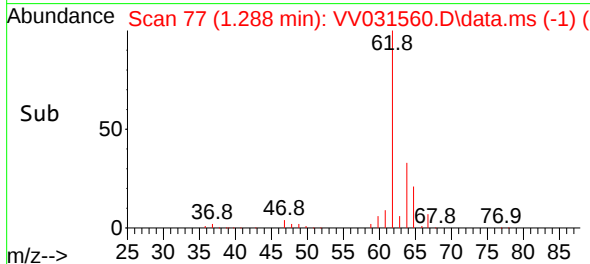
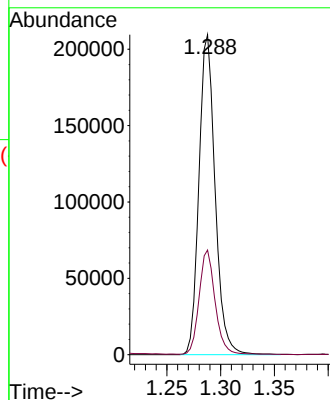
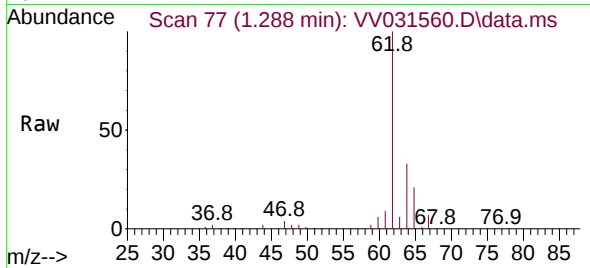




#5  
 Vinyl chloride  
 Concen: 85.234 ug/L  
 RT: 1.288 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

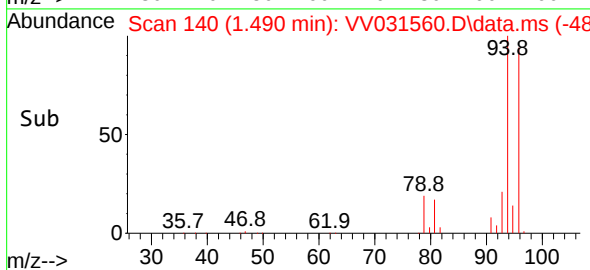
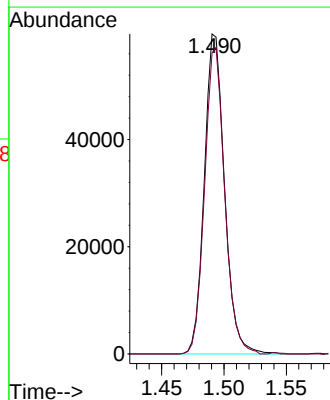
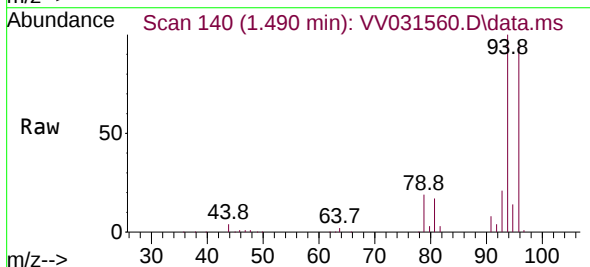
Instrument :  
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 ClientSampleId :  
 EXYW5MSD

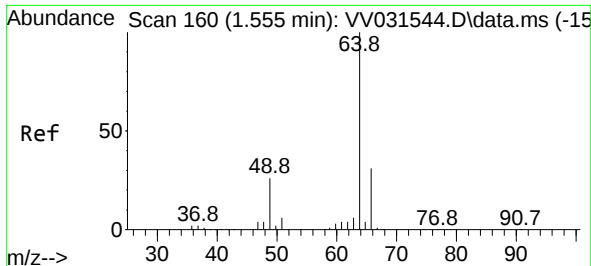
Tgt Ion: 62 Resp: 218831  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.4 43.4



#6  
 Bromomethane  
 Concen: 40.347 ug/L  
 RT: 1.490 min Scan# 140  
 Delta R.T. -0.003 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

Tgt Ion: 94 Resp: 67514  
 Ion Ratio Lower Upper  
 94 100  
 96 83.6 65.4 121.4

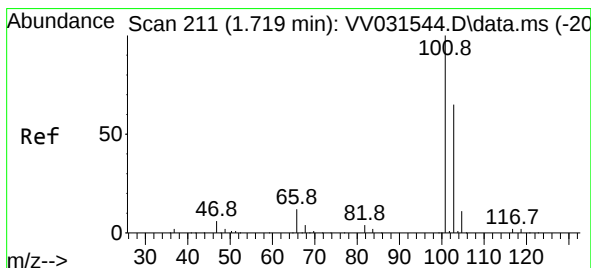
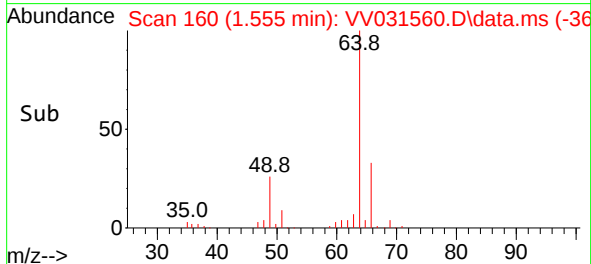
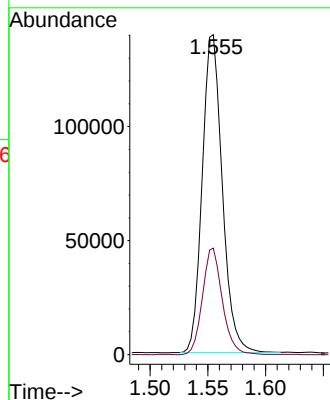
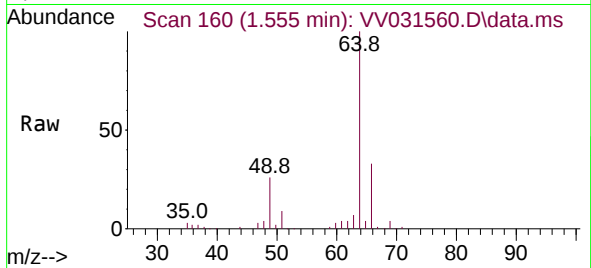




#8  
Chloroethane  
Concen: 101.391 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

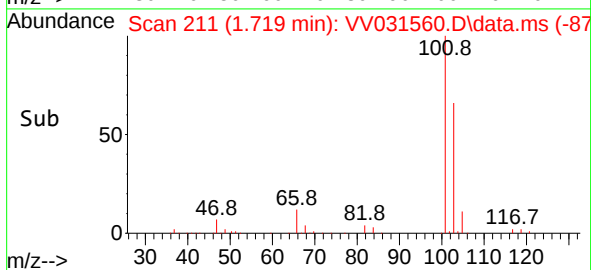
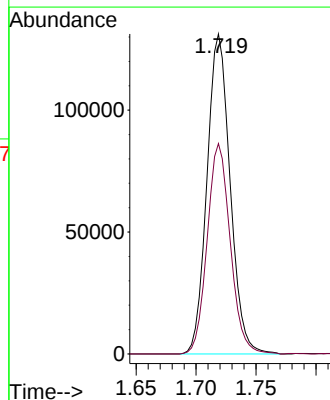
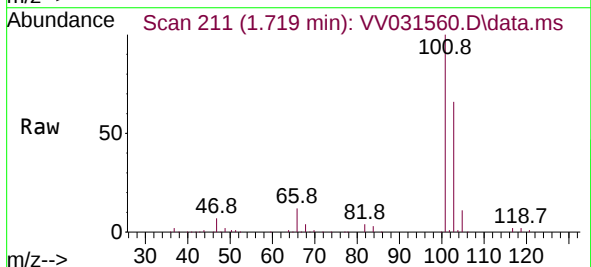
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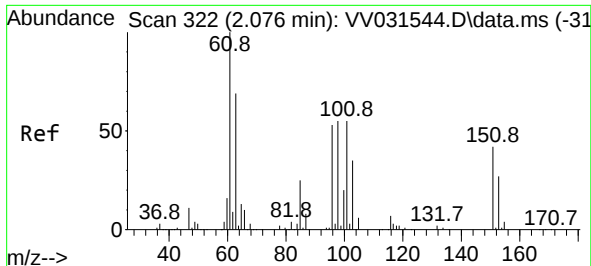
Tgt Ion: 64 Resp: 168129  
Ion Ratio Lower Upper  
64 100  
66 33.3 21.0 39.0



#9  
Trichlorofluoromethane  
Concen: 41.282 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:101 Resp: 176328  
Ion Ratio Lower Upper  
101 100  
103 65.4 50.9 76.3

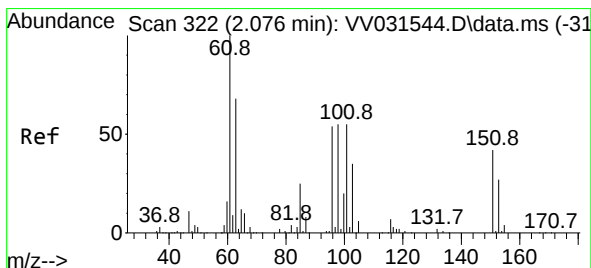
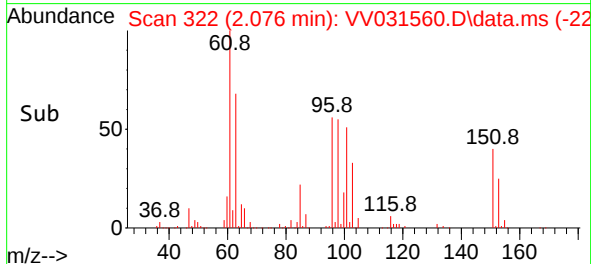
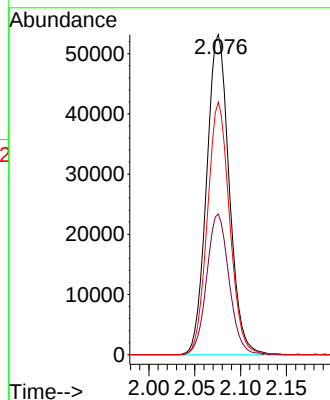
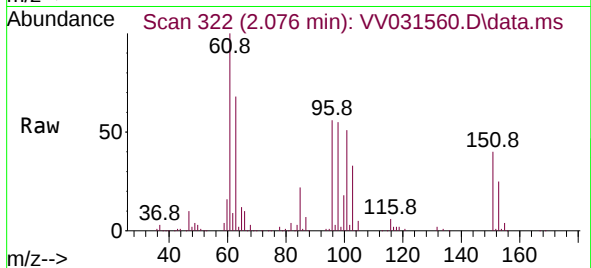




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 39.872 ug/L  
 RT: 2.076 min Scan# 311  
 Delta R.T. -0.000 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

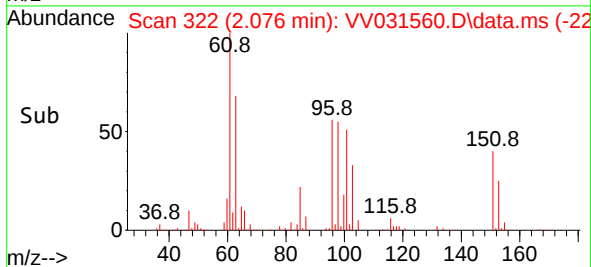
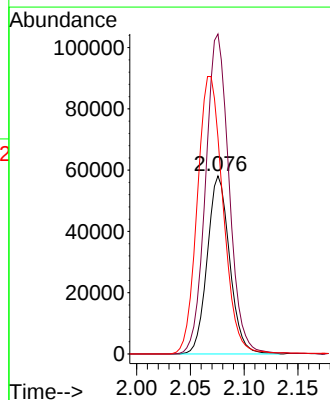
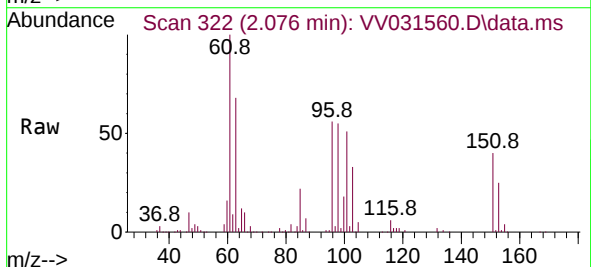
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW5MSD

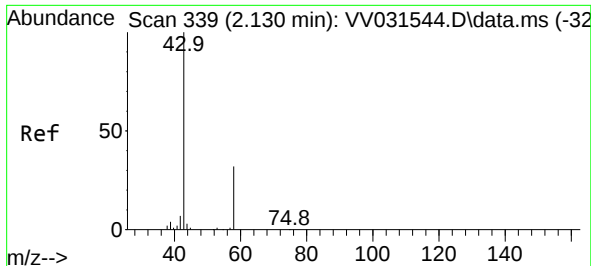
Tgt Ion:101 Resp: 91268  
 Ion Ratio Lower Upper  
 101 100  
 85 43.4 37.4 56.0  
 151 77.3 62.3 93.5



#12  
 1,1-Dichloroethene  
 Concen: 43.916 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. -0.000 min  
 Lab File: VV031560.D  
 Acq: 16 Jun 2023 03:43

Tgt Ion: 96 Resp: 84084  
 Ion Ratio Lower Upper  
 96 100  
 61 179.8 128.9 239.5  
 63 121.7 95.3 177.1





#13

Acetone

Concen: 56.187 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

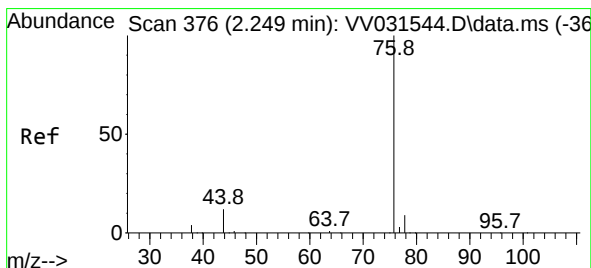
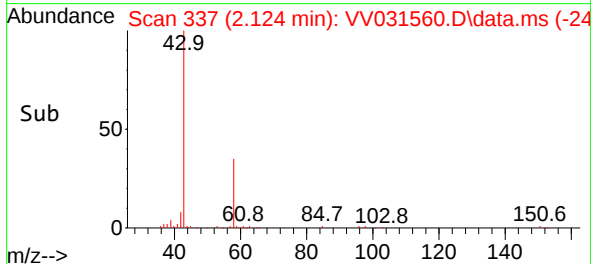
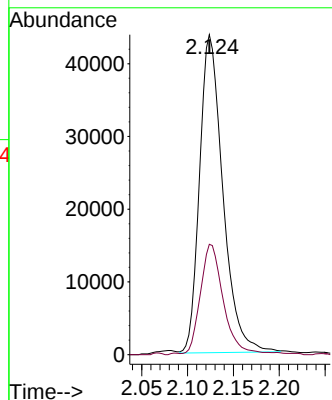
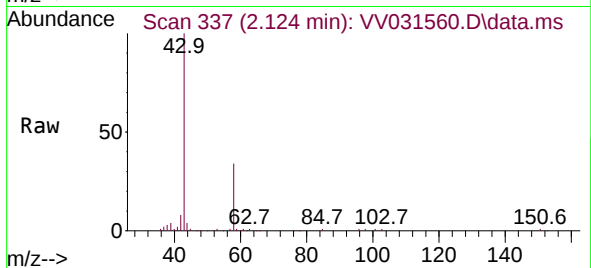
EXYW5MSD

Tgt Ion: 43 Resp: 77314

Ion Ratio Lower Upper

43 100

58 33.4 0.0 68.6



#14

Carbon disulfide

Concen: 44.371 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV031560.D

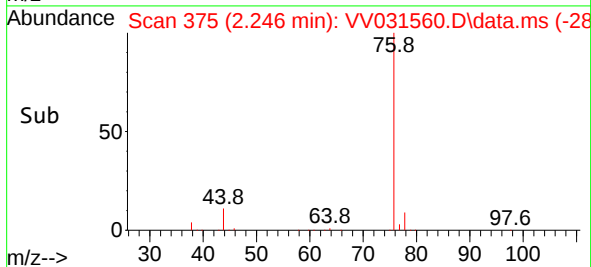
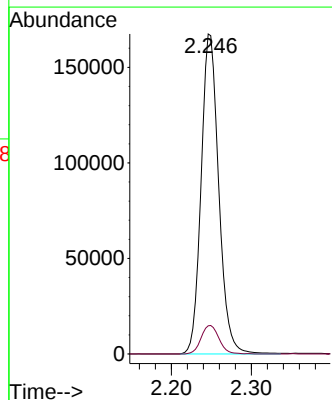
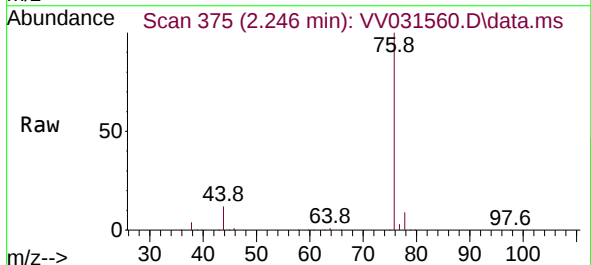
Acq: 16 Jun 2023 03:43

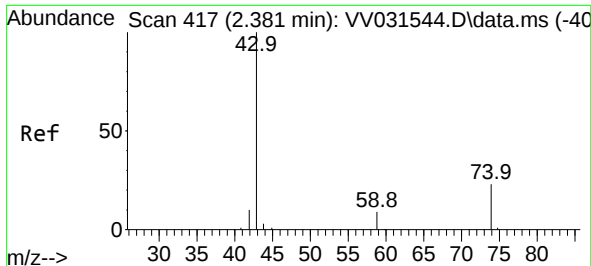
Tgt Ion: 76 Resp: 256979

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

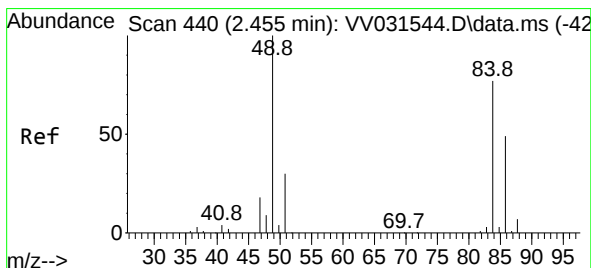
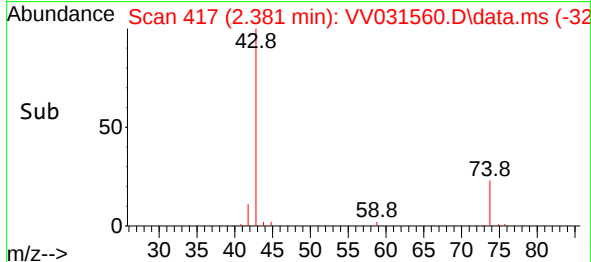
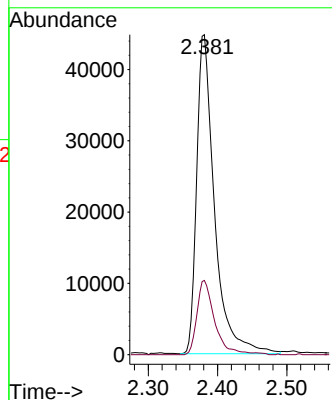
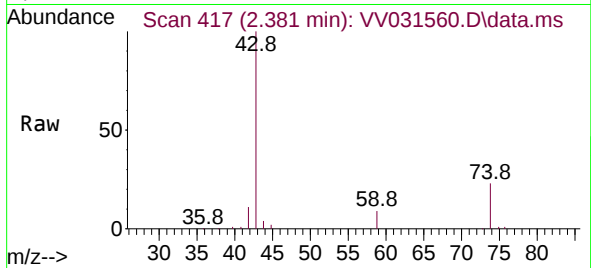




#15  
Methyl Acetate  
Concen: 34.606 ug/L  
RT: 2.381 min Scan# 417  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

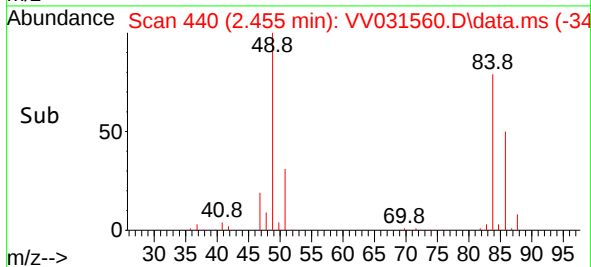
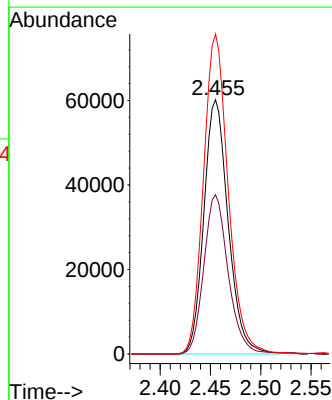
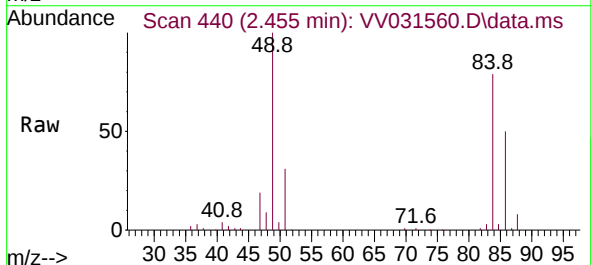
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

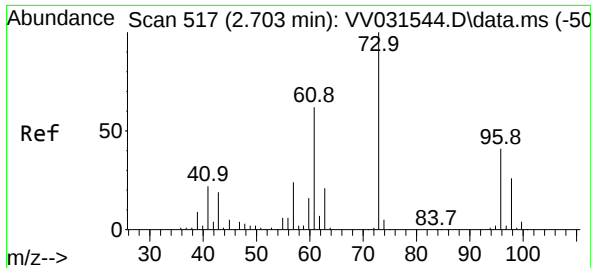
Tgt Ion: 43 Resp: 80172  
Ion Ratio Lower Upper  
43 100  
74 22.8 17.8 26.6



#16  
Methylene chloride  
Concen: 42.147 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 84 Resp: 101172  
Ion Ratio Lower Upper  
84 100  
86 60.4 45.8 85.0  
49 121.4 92.1 171.1

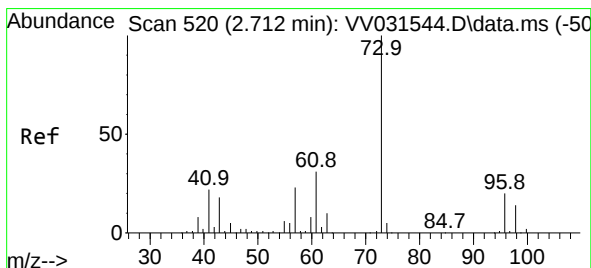
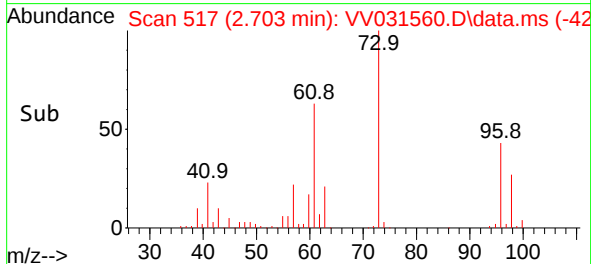
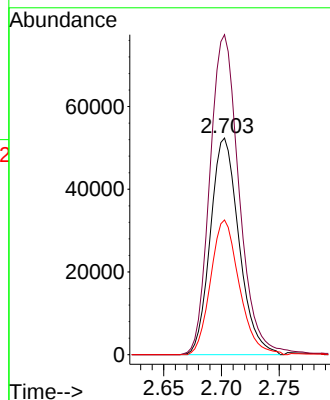
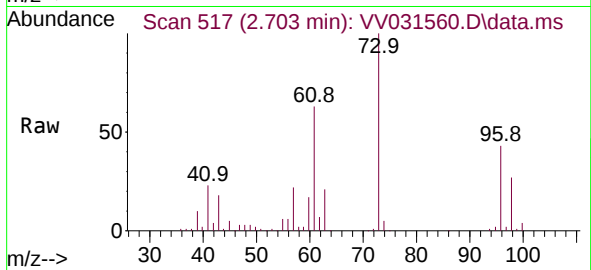




#17  
trans-1,2-Dichloroethene  
Concen: 45.291 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

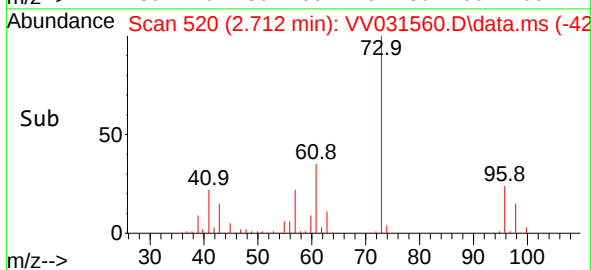
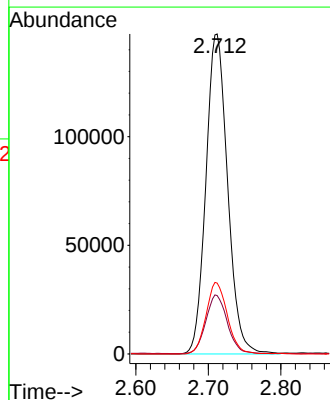
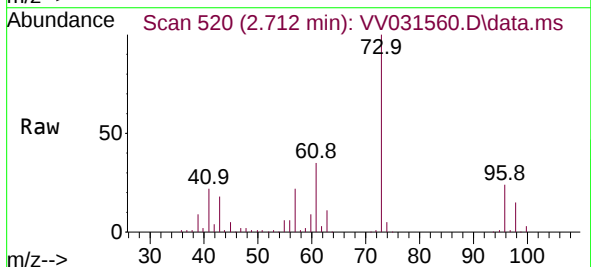
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

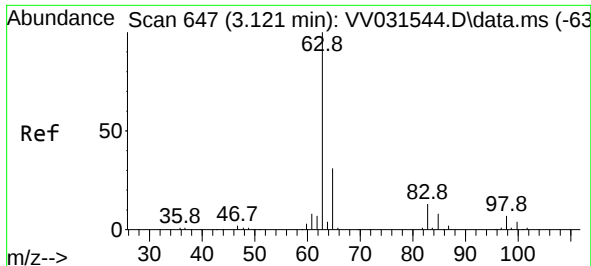
Tgt Ion: 96 Resp: 90519  
Ion Ratio Lower Upper  
96 100  
61 147.7 102.5 190.3  
98 62.2 44.1 81.9



#18  
Methyl tert-butyl Ether  
Concen: 45.938 ug/L  
RT: 2.712 min Scan# 520  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 73 Resp: 306345  
Ion Ratio Lower Upper  
73 100  
43 18.3 15.0 22.4  
57 21.9 18.2 27.4





#19

1,1-Dichloroethane

Concen: 45.561 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

EXYW5MSD

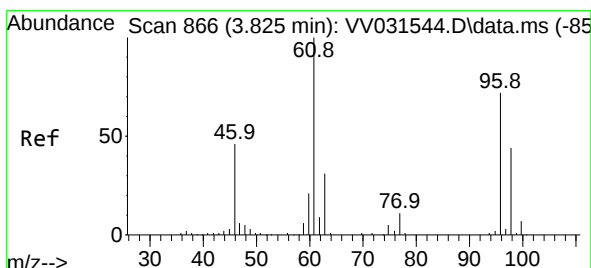
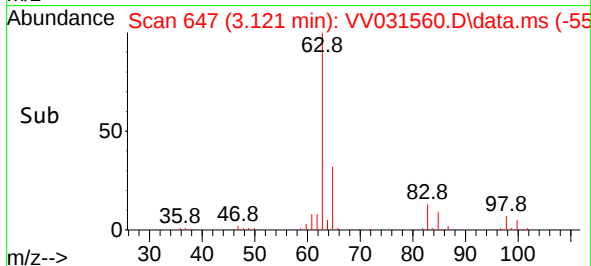
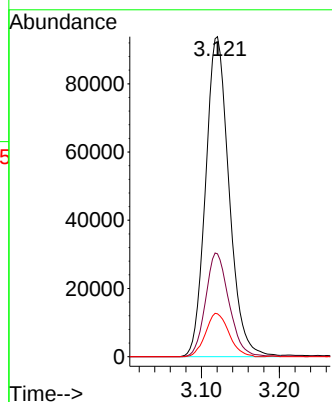
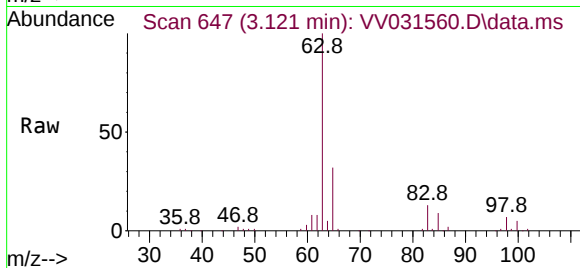
Tgt Ion: 63 Resp: 196527

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 14.1 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 78.490 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

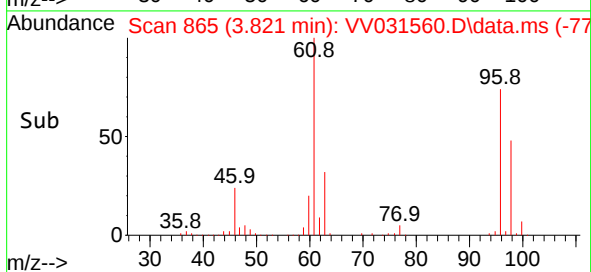
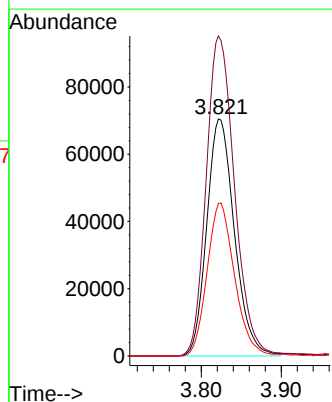
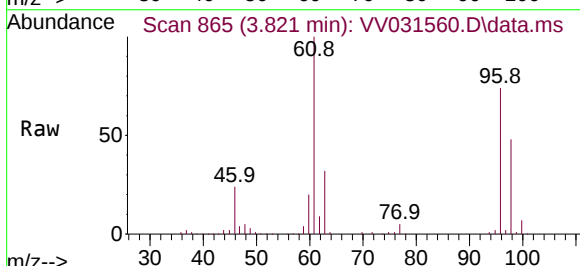
Tgt Ion: 96 Resp: 169527

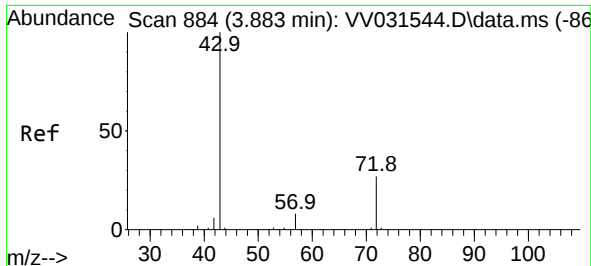
Ion Ratio Lower Upper

96 100

61 135.1 98.6 183.0

98 64.4 45.7 84.9

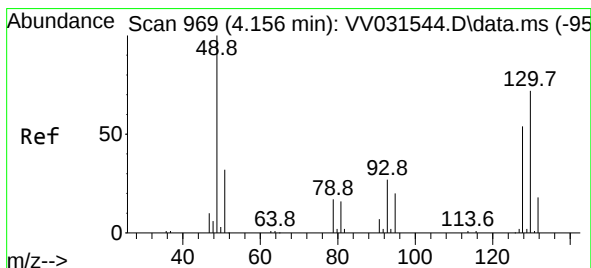
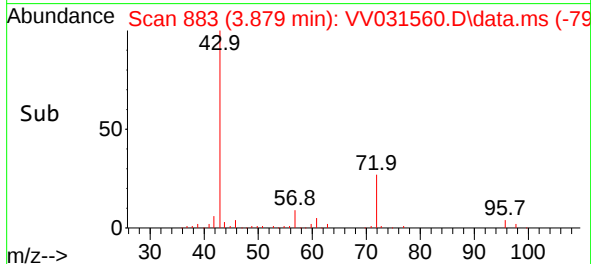
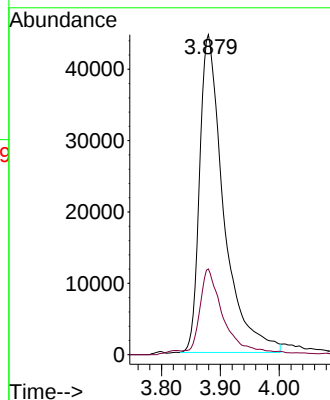
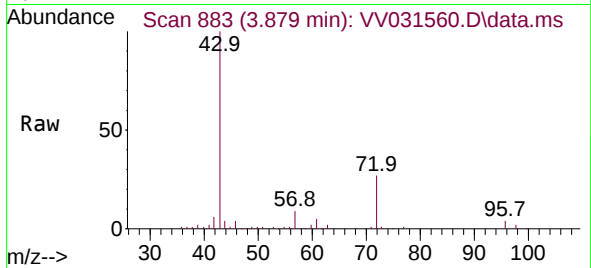




#22  
2-Butanone  
Concen: 73.844 ug/L  
RT: 3.879 min Scan# 884  
Delta R.T. -0.003 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

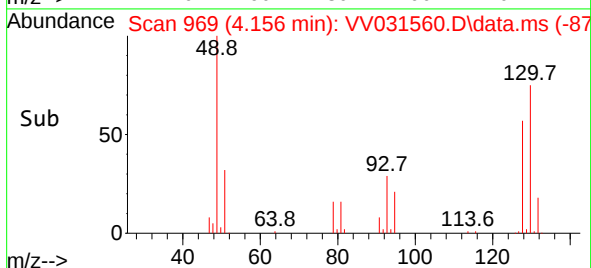
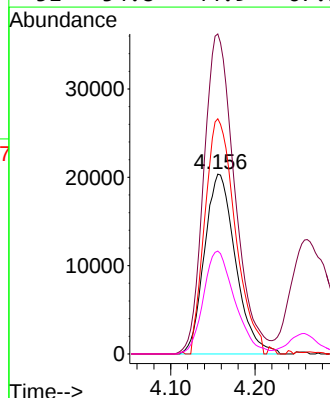
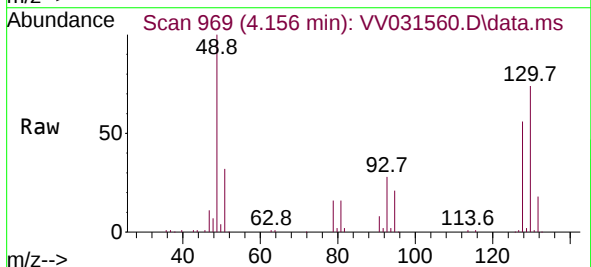
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

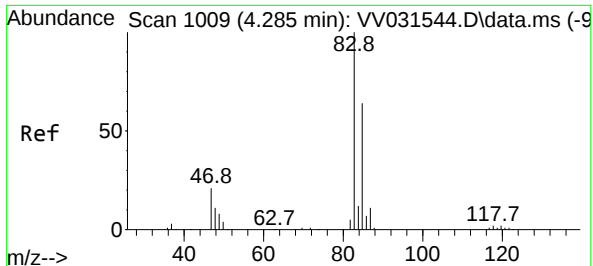
Tgt Ion: 43 Resp: 126936  
Ion Ratio Lower Upper  
43 100  
72 23.1 12.2 36.4



#23  
Bromochloromethane  
Concen: 44.647 ug/L  
RT: 4.156 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:128 Resp: 52126  
Ion Ratio Lower Upper  
128 100  
49 170.5 120.6 224.0  
130 127.6 88.1 163.7  
51 54.8 44.9 67.3





#25

Chloroform

Concen: 44.798 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

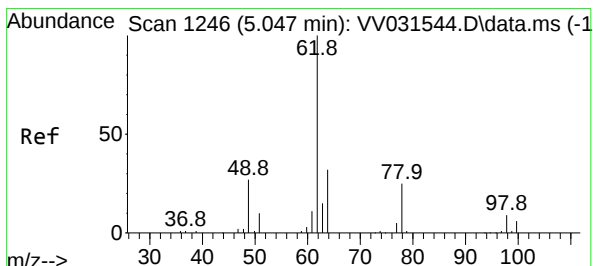
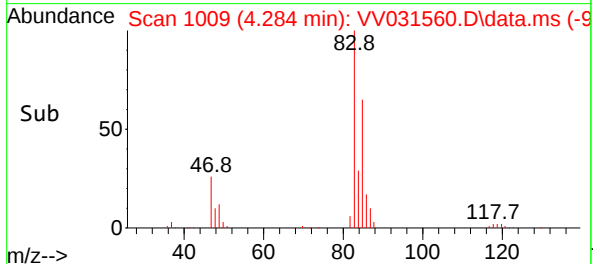
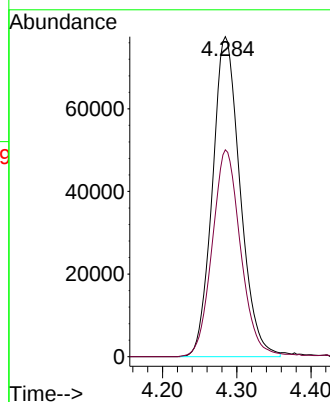
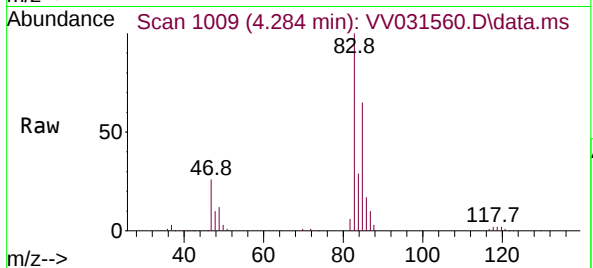
EXYW5MSD

Tgt Ion: 83 Resp: 200876

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 47.952 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031560.D

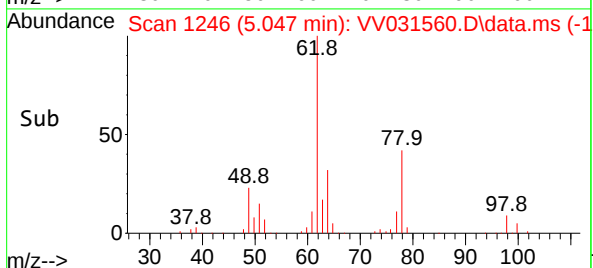
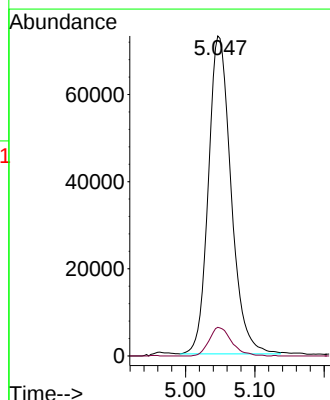
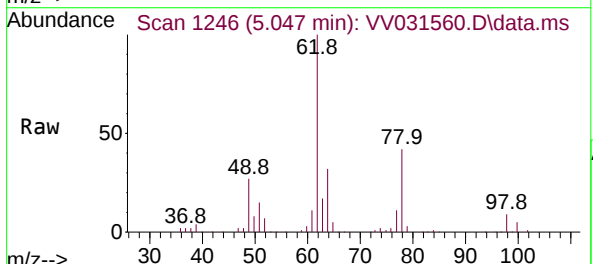
Acq: 16 Jun 2023 03:43

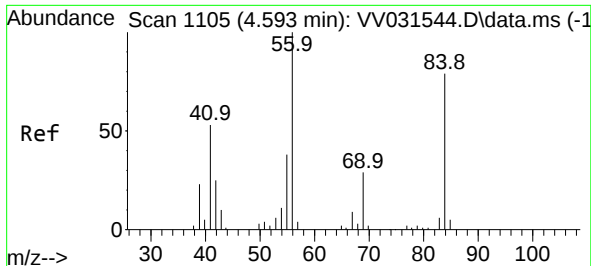
Tgt Ion: 62 Resp: 165950

Ion Ratio Lower Upper

62 100

98 8.9 6.6 9.8

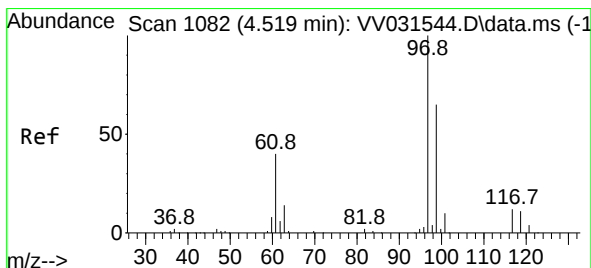
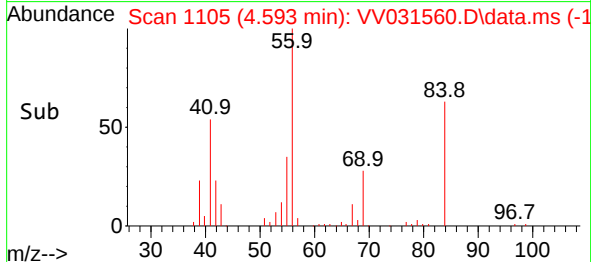
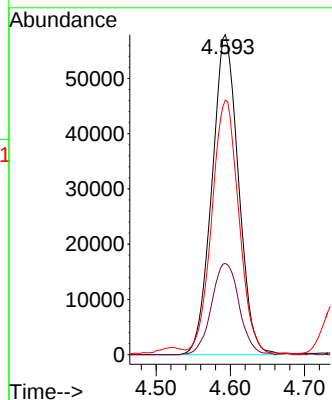
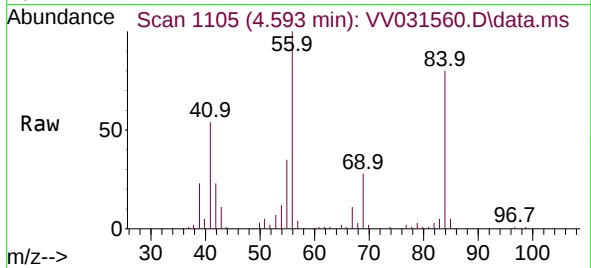




#29  
Cyclohexane  
Concen: 44.114 ug/L  
RT: 4.593 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

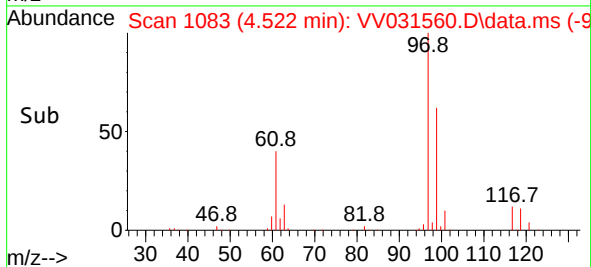
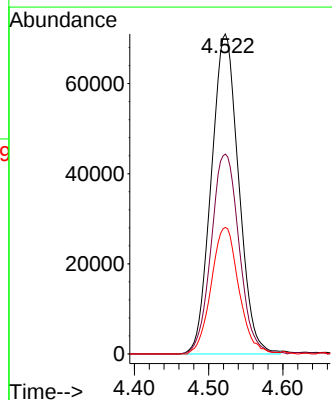
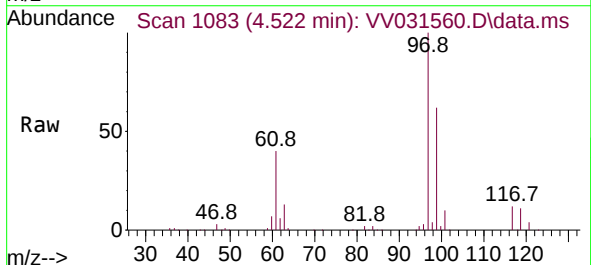
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

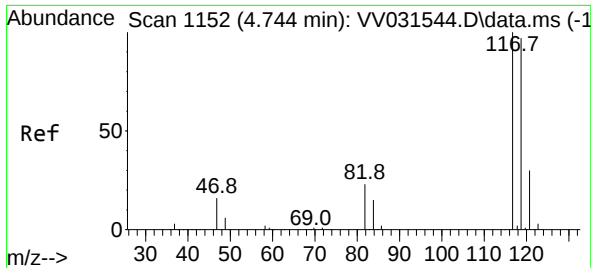
Tgt Ion: 56 Resp: 143783  
Ion Ratio Lower Upper  
56 100  
69 29.8 24.3 36.5  
84 80.3 65.0 97.6



#30  
1,1,1-Trichloroethane  
Concen: 45.286 ug/L  
RT: 4.522 min Scan# 1083  
Delta R.T. 0.003 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 97 Resp: 181893  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.8 77.6  
61 40.0 33.0 49.6

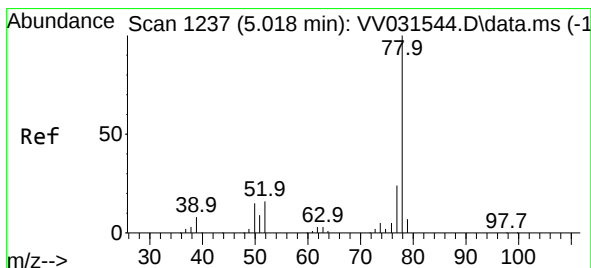
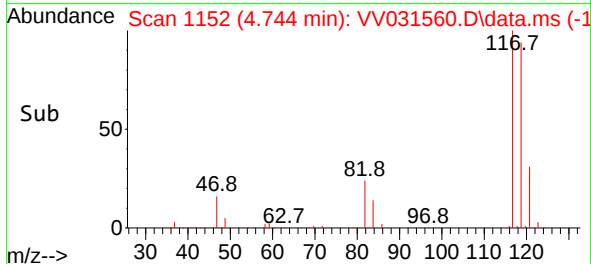
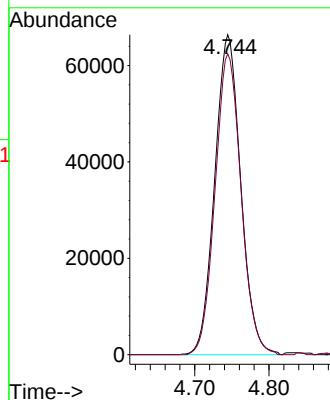
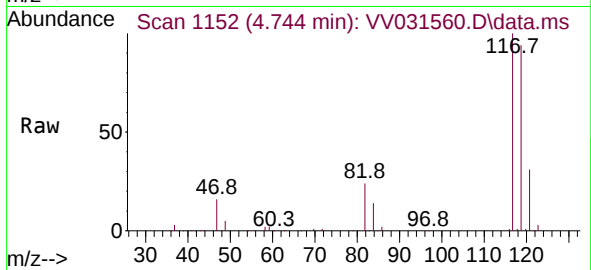




#31  
Carbon tetrachloride  
Concen: 45.408 ug/L  
RT: 4.744 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

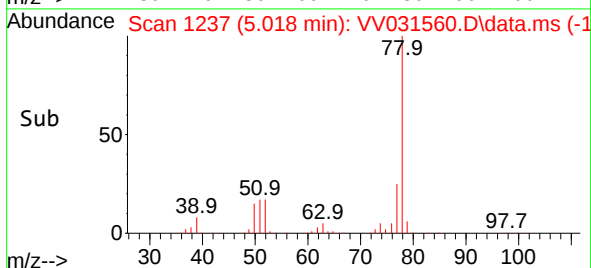
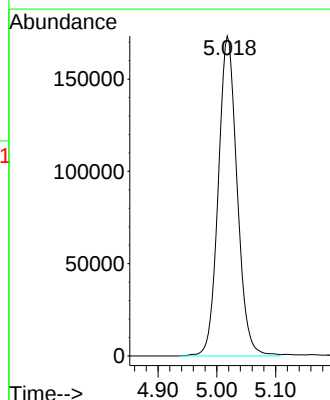
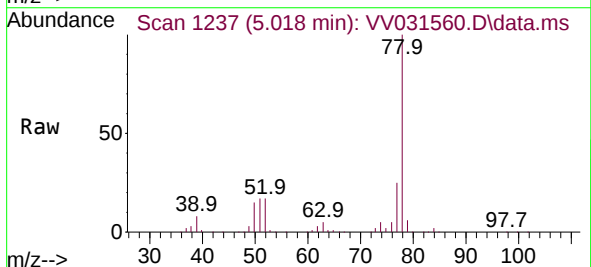
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

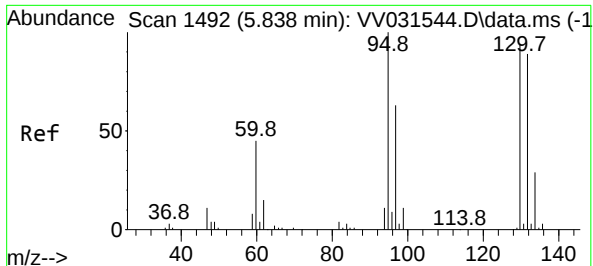
Tgt Ion:117 Resp: 161600  
Ion Ratio Lower Upper  
117 100  
119 94.1 76.2 114.4



#33  
Benzene  
Concen: 46.230 ug/L  
RT: 5.018 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 78 Resp: 385590

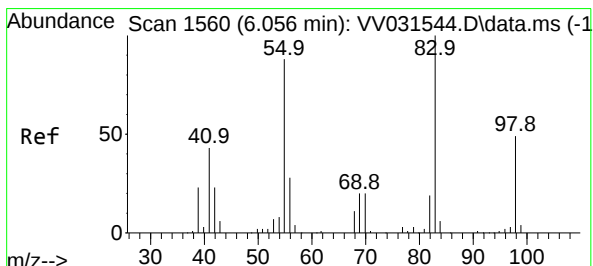
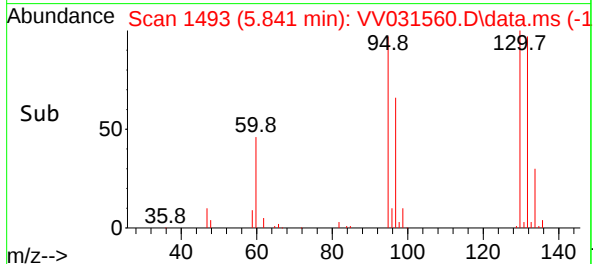
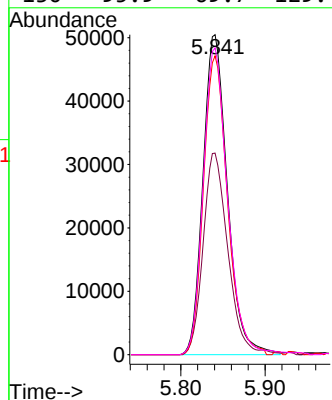
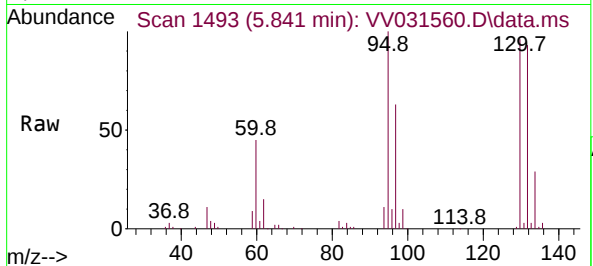




#34  
Trichloroethene  
Concen: 45.632 ug/L  
RT: 5.841 min Scan# 1492  
Delta R.T. 0.003 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

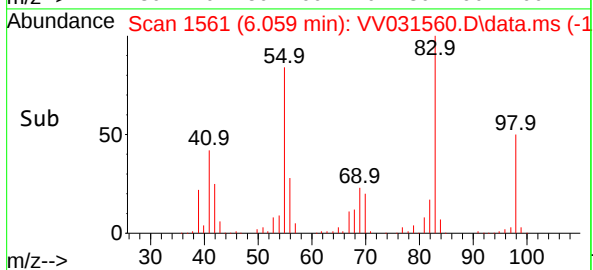
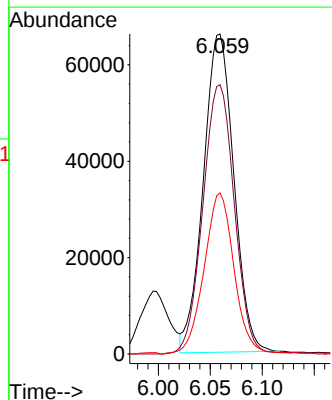
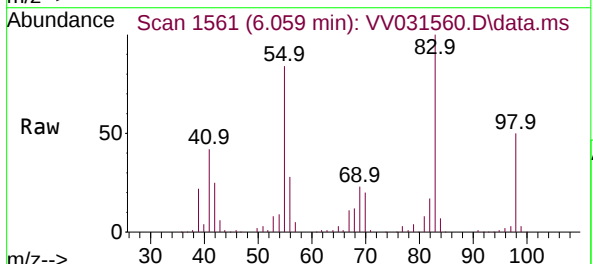
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

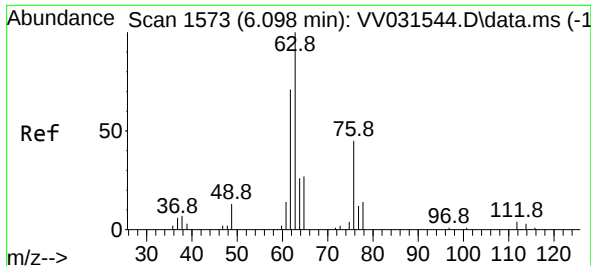
Tgt Ion: 95 Resp: 101704  
Ion Ratio Lower Upper  
95 100  
97 65.7 46.8 86.8  
132 96.0 66.4 123.2  
130 95.9 69.7 129.4



#35  
Methylcyclohexane  
Concen: 41.089 ug/L  
RT: 6.059 min Scan# 1561  
Delta R.T. 0.003 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 83 Resp: 134935  
Ion Ratio Lower Upper  
83 100  
55 87.4 68.7 103.1  
98 49.7 37.0 55.4

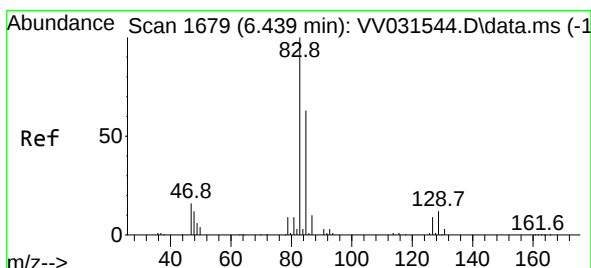
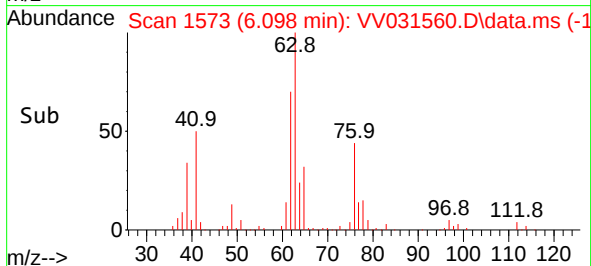
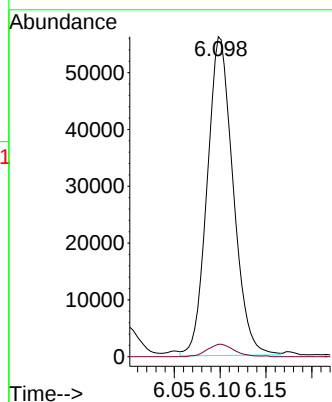
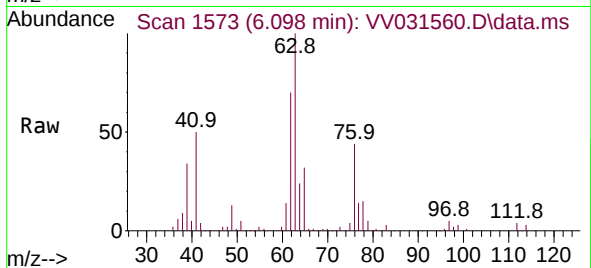




#37  
1,2-Dichloropropane  
Concen: 45.059 ug/L  
RT: 6.098 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

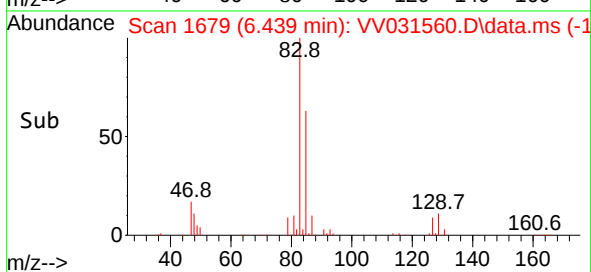
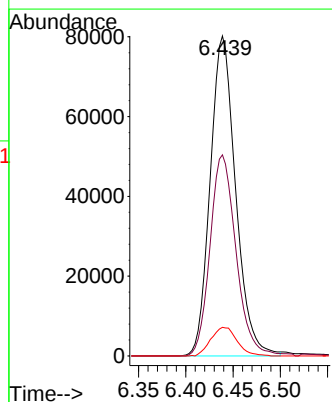
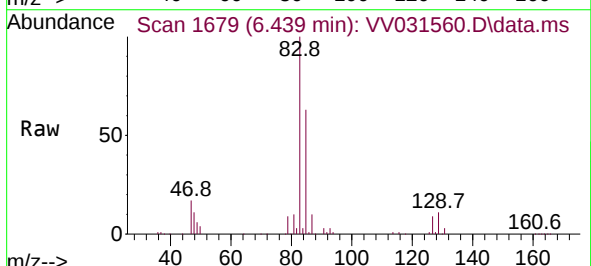
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

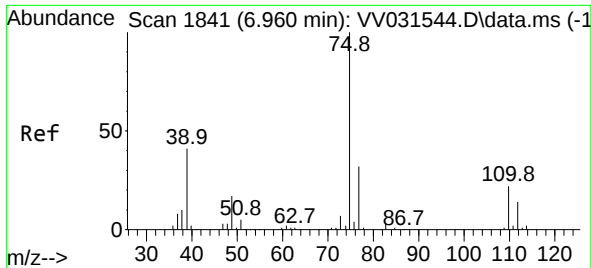
Tgt Ion: 63 Resp: 110358  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 45.399 ug/L  
RT: 6.439 min Scan# 1679  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 83 Resp: 150291  
Ion Ratio Lower Upper  
83 100  
85 62.9 45.3 84.1  
127 9.9 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 45.924 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

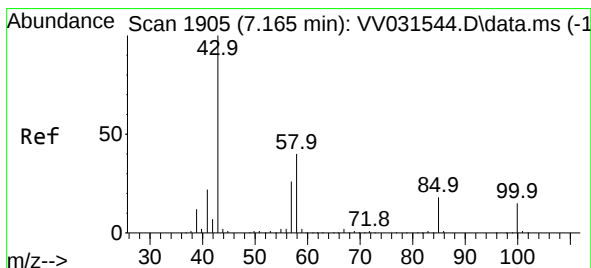
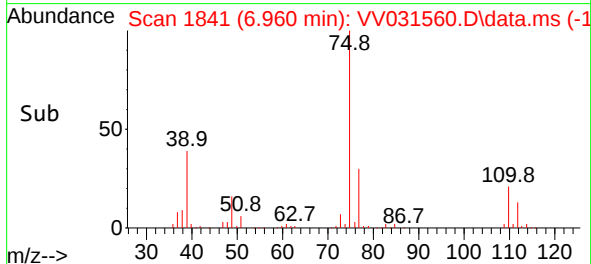
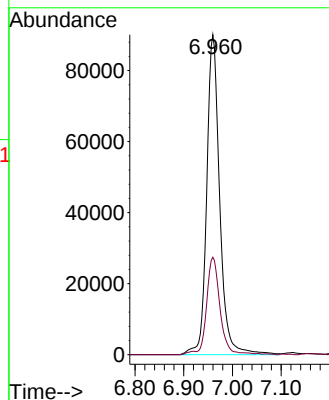
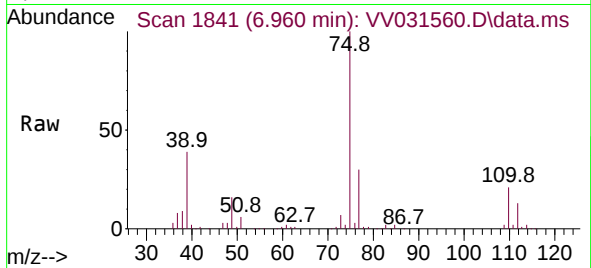
EXYW5MSD

Tgt Ion: 75 Resp: 166963

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 92.910 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

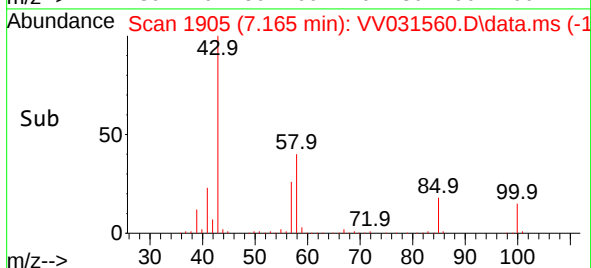
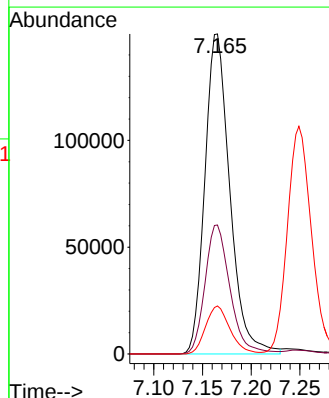
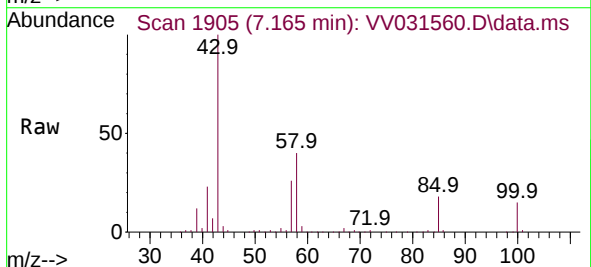
Tgt Ion: 43 Resp: 267198

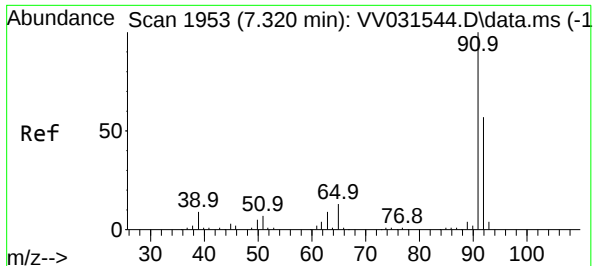
Ion Ratio Lower Upper

43 100

58 40.4 31.8 47.8

100 14.7 11.1 16.7





#42

Toluene

Concen: 47.692 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

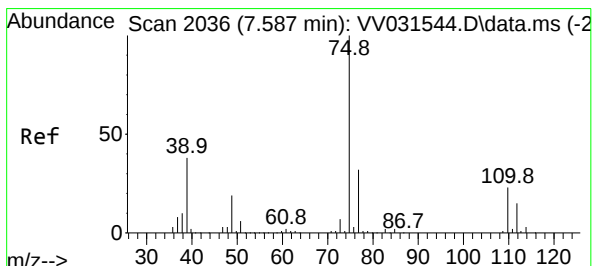
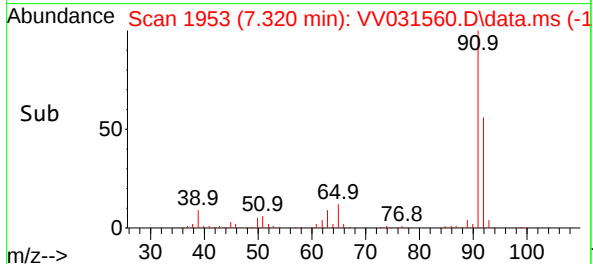
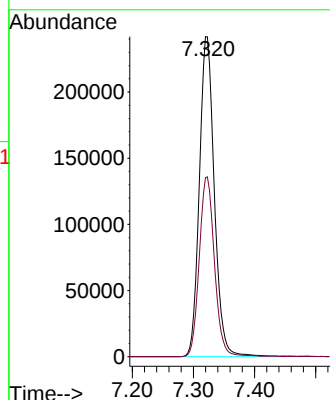
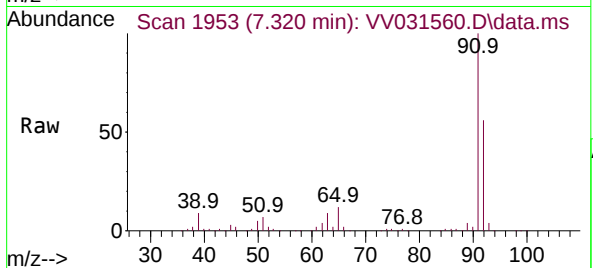
EXYW5MSD

Tgt Ion: 91 Resp: 412434

Ion Ratio Lower Upper

91 100

92 55.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 45.575 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031560.D

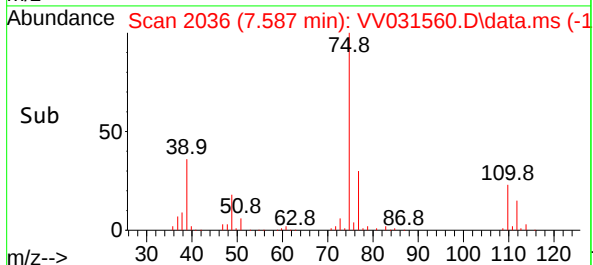
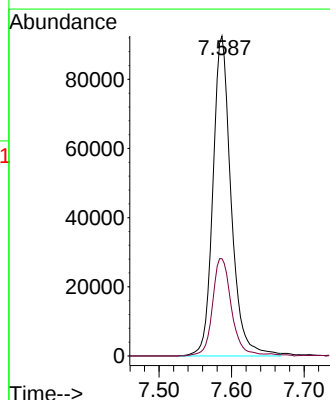
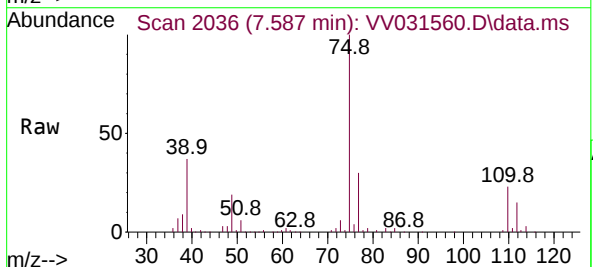
Acq: 16 Jun 2023 03:43

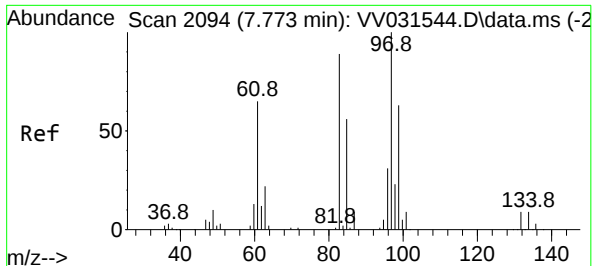
Tgt Ion: 75 Resp: 161358

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



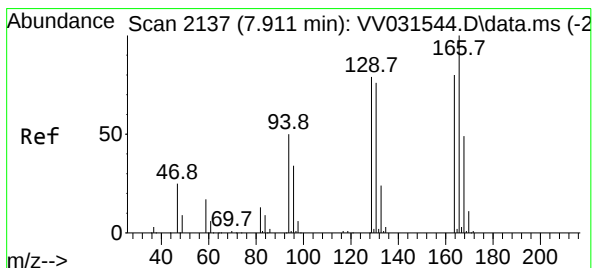
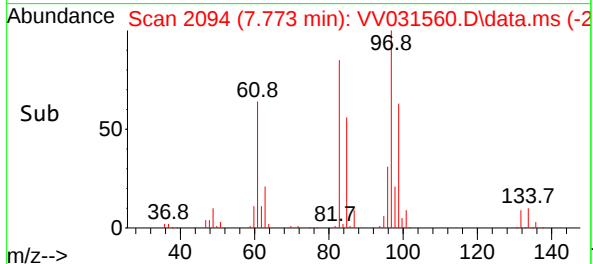
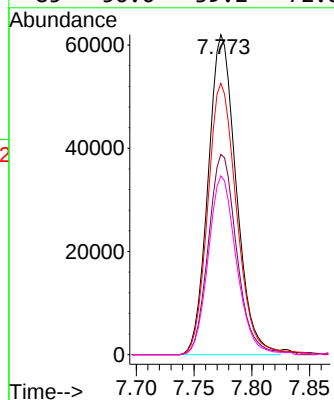
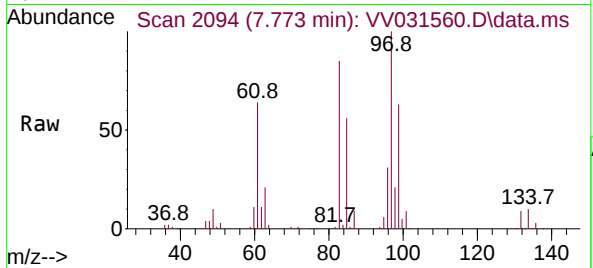


#45  
1,1,2-Trichloroethane  
Concen: 45.333 ug/L  
RT: 7.773 min Scan# 2094  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

Tgt Ion: 97 Resp: 104884

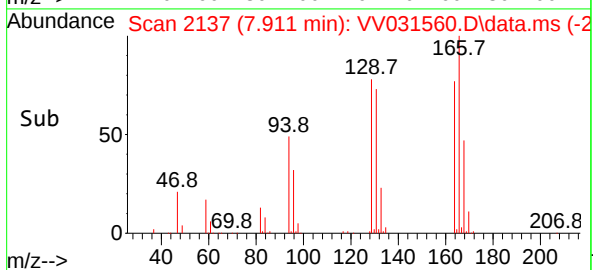
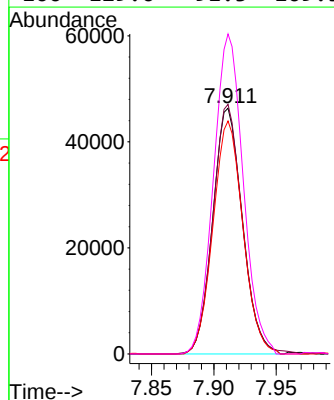
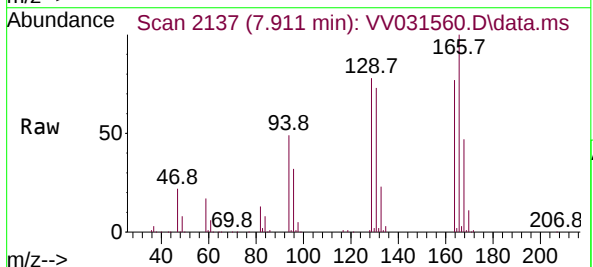
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 67.3  | 43.7  | 81.1  |
| 83  | 84.8  | 60.9  | 113.1 |
| 85  | 56.6  | 39.2  | 72.8  |

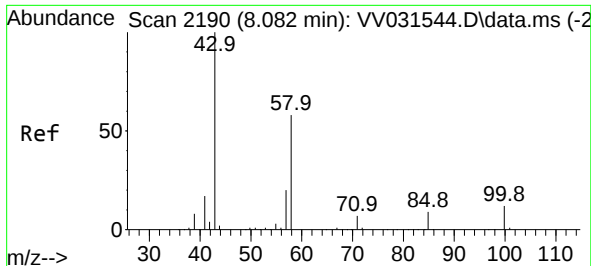


#46  
Tetrachloroethene  
Concen: 44.062 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 164 Resp: 77076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.6  | 68.4  | 127.0 |
| 131 | 94.4  | 67.6  | 125.6 |
| 166 | 129.6 | 91.3  | 169.5 |



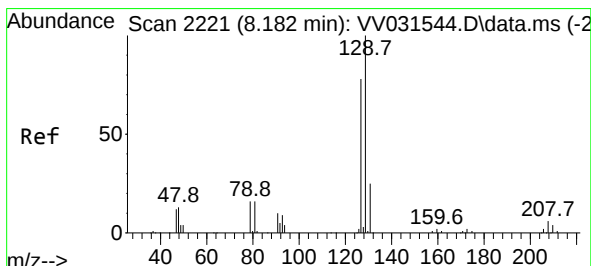
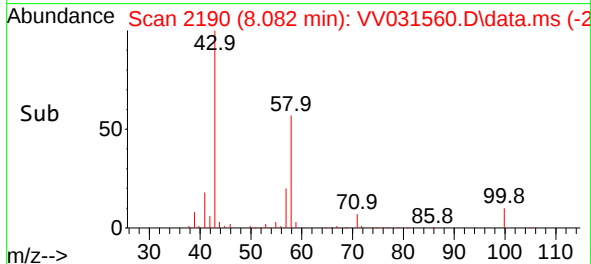
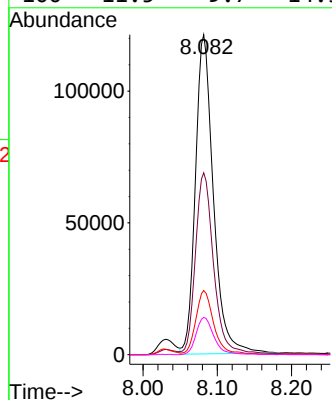
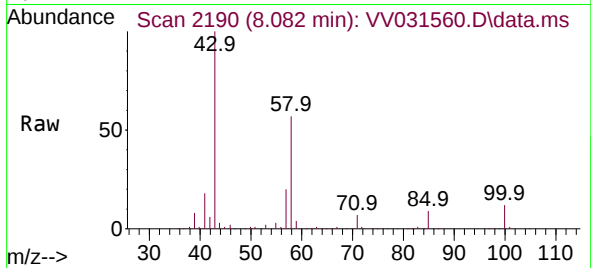


#48  
2-Hexanone  
Concen: 89.175 ug/L  
RT: 8.082 min Scan# 2190  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

Tgt Ion: 43 Resp: 204821

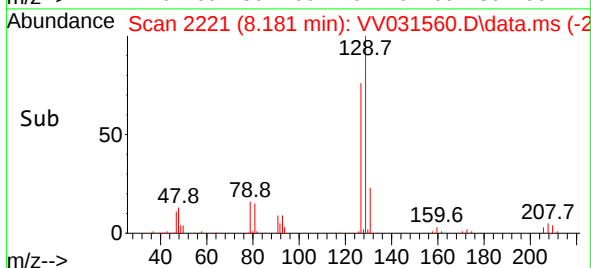
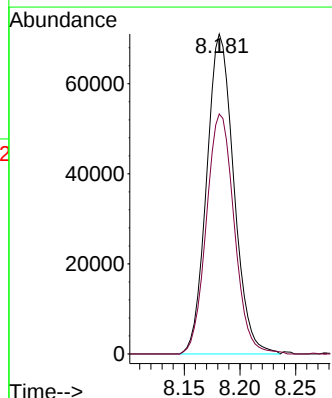
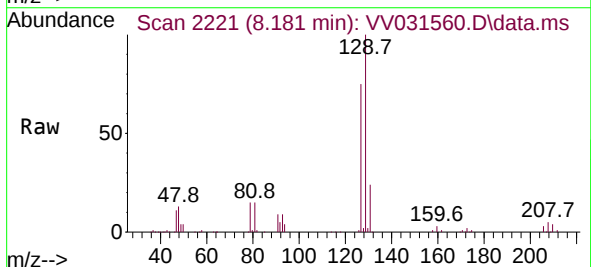
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.4  | 46.7  | 70.1  |
| 57  | 18.5  | 15.5  | 23.3  |
| 100 | 11.5  | 9.7   | 14.5  |

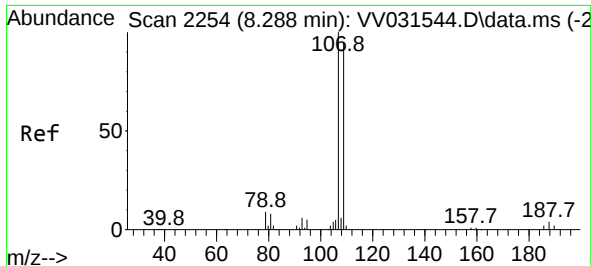


#49  
Dibromochloromethane  
Concen: 46.983 ug/L  
RT: 8.181 min Scan# 2221  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 129 Resp: 120813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 73.8  | 55.8  | 103.6 |





#50

1,2-Dibromoethane

Concen: 45.758 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

EXYW5MSD

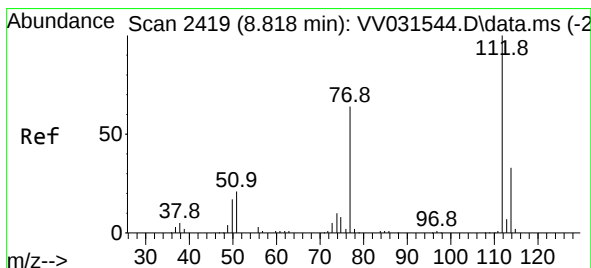
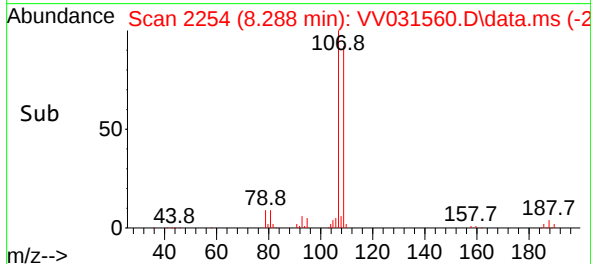
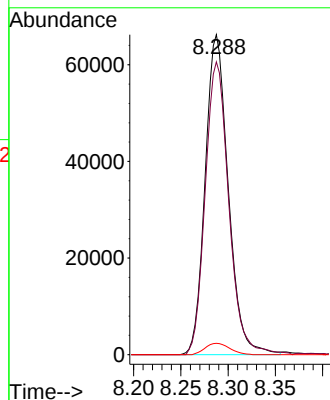
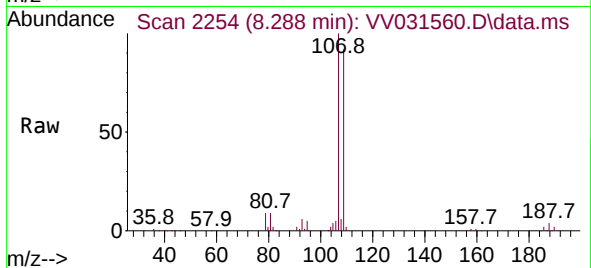
Tgt Ion:107 Resp: 112728

Ion Ratio Lower Upper

107 100

109 91.5 65.7 122.1

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 45.911 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

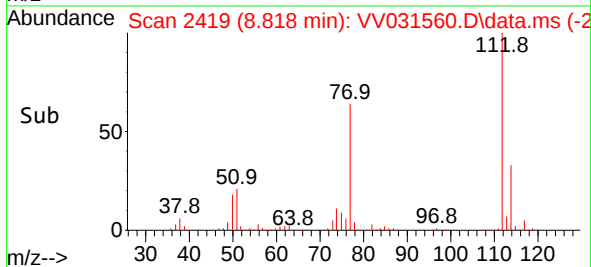
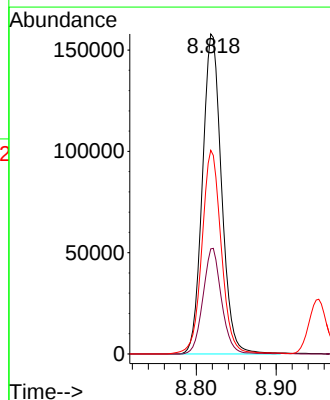
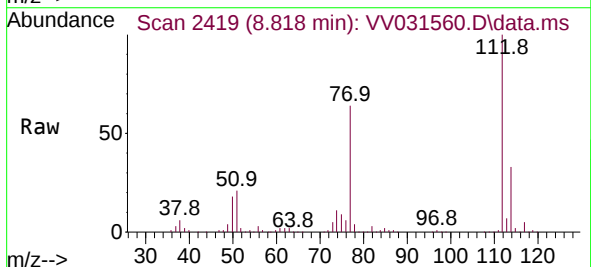
Tgt Ion:112 Resp: 262954

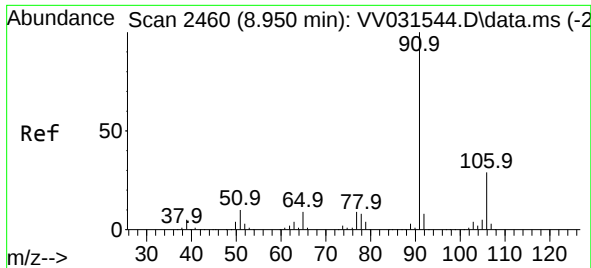
Ion Ratio Lower Upper

112 100

114 32.8 22.9 42.5

77 63.7 52.5 78.7





#52

Ethylbenzene

Concen: 46.911 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

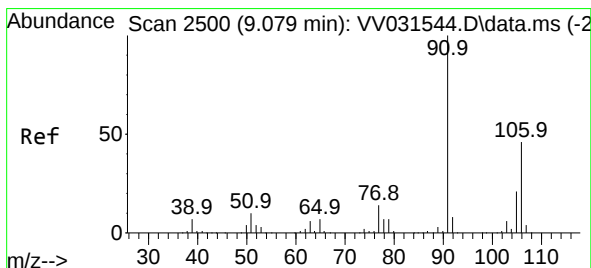
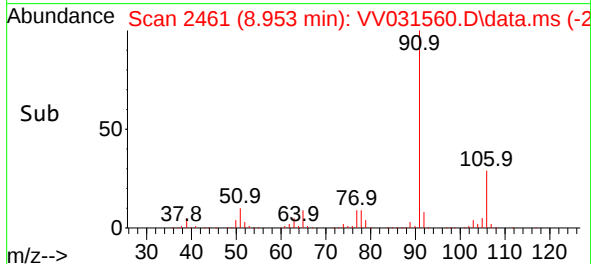
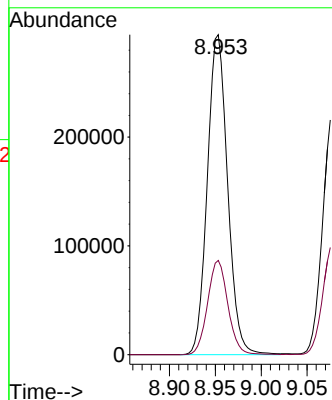
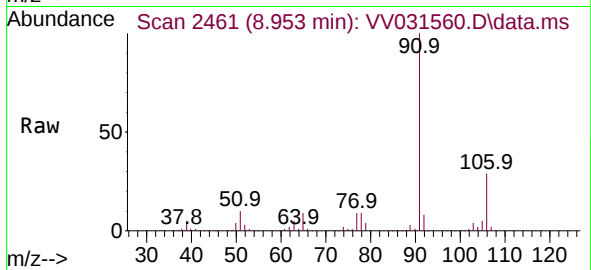
EXYW5MSD

Tgt Ion: 91 Resp: 452674

Ion Ratio Lower Upper

91 100

106 29.4 20.8 38.6



#53

m,p-Xylene

Concen: 47.521 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031560.D

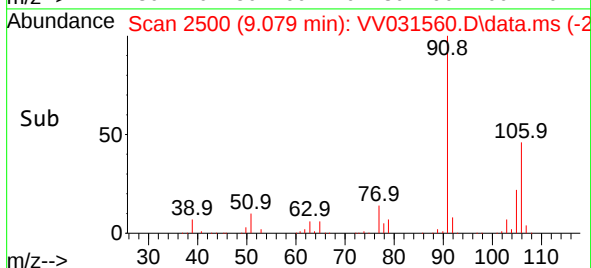
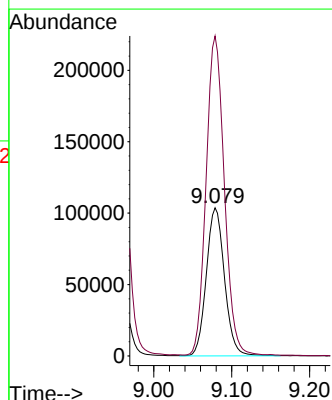
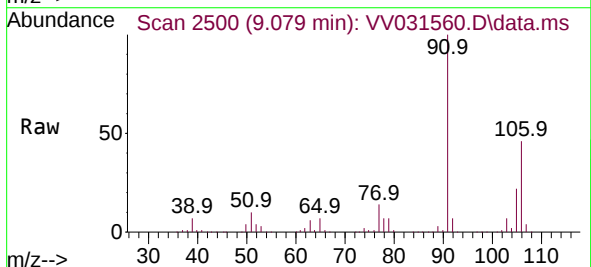
Acq: 16 Jun 2023 03:43

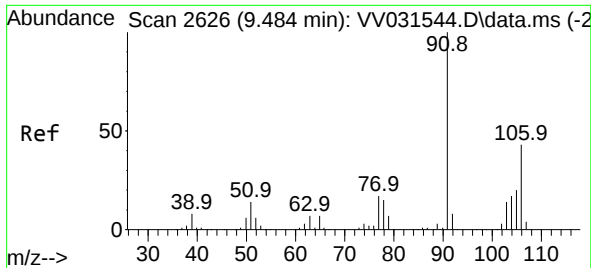
Tgt Ion:106 Resp: 167929

Ion Ratio Lower Upper

106 100

91 216.0 149.0 276.6

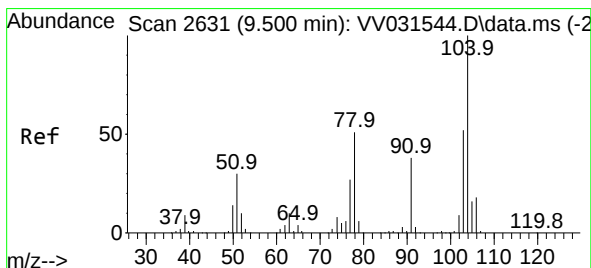
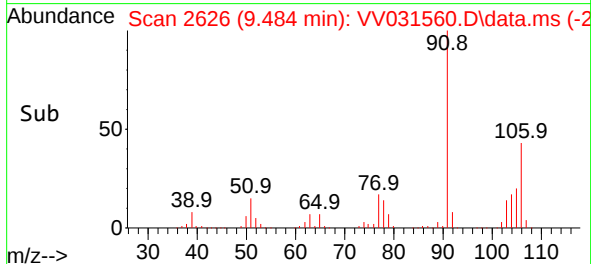
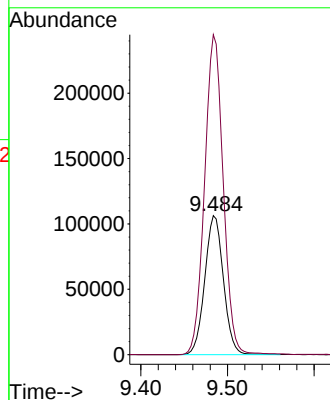
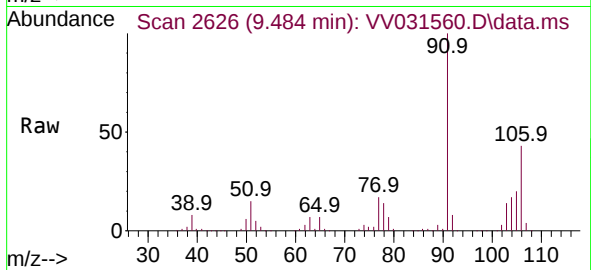




#54  
o-Xylene  
Concen: 47.469 ug/L  
RT: 9.484 min Scan# 2626  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

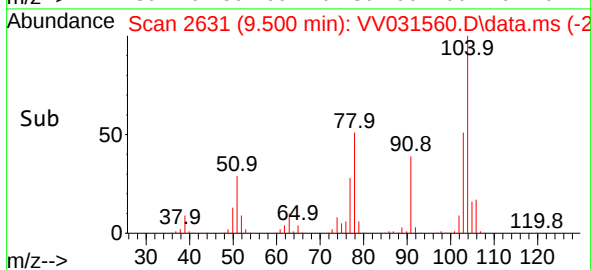
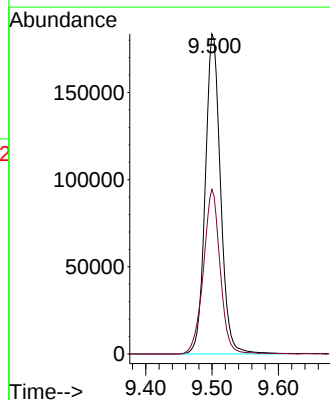
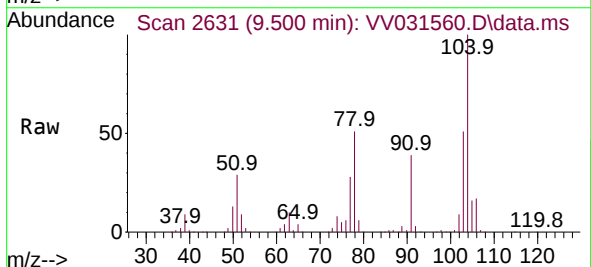
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

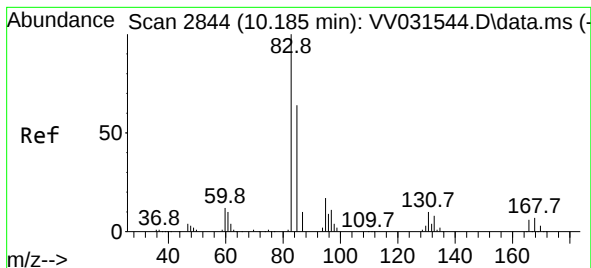
Tgt Ion:106 Resp: 159185  
Ion Ratio Lower Upper  
106 100  
91 230.2 161.3 299.7



#55  
Styrene  
Concen: 49.091 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:104 Resp: 294009  
Ion Ratio Lower Upper  
104 100  
78 51.4 35.1 65.3

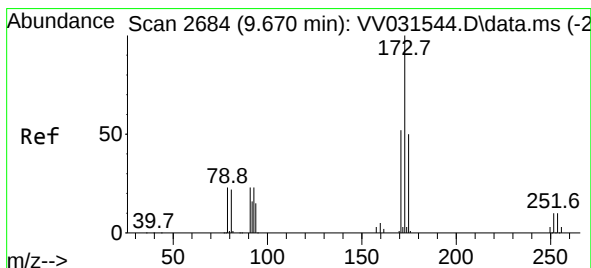
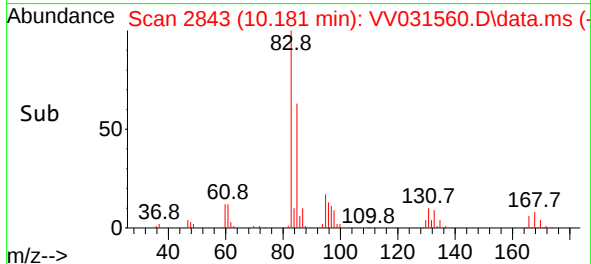
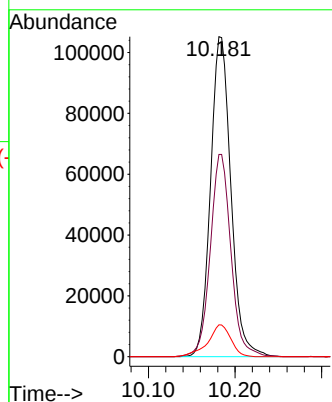
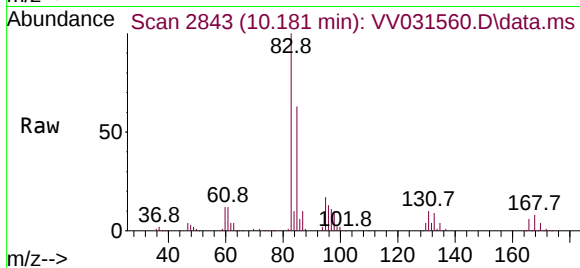




#57  
1,1,2,2-Tetrachloroethane  
Concen: 45.502 ug/L  
RT: 10.181 min Scan# 2843  
Delta R.T. -0.003 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

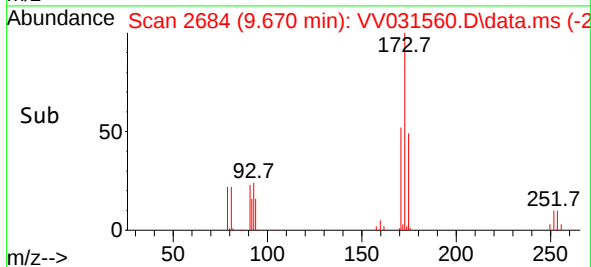
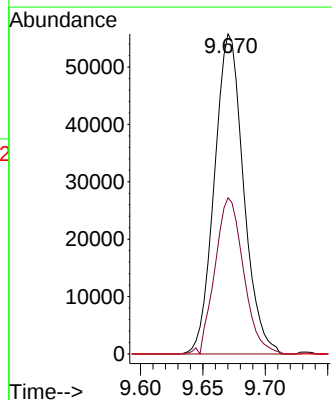
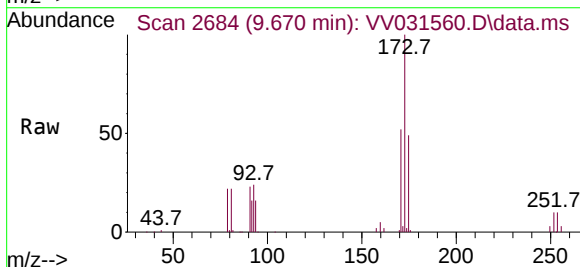
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

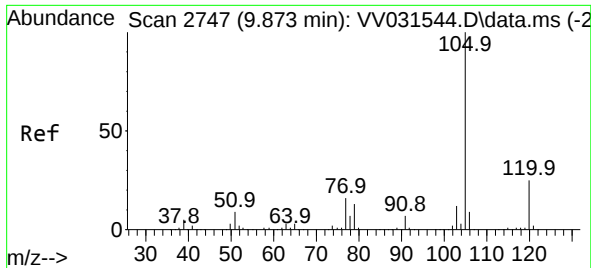
Tgt Ion: 83 Resp: 172015  
Ion Ratio Lower Upper  
83 100  
85 63.2 43.1 80.1  
131 13.8 10.6 16.0



#59  
Bromoform  
Concen: 48.972 ug/L  
RT: 9.670 min Scan# 2684  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion: 173 Resp: 90756  
Ion Ratio Lower Upper  
173 100  
175 47.4 37.7 56.5  
254 0.0 0.1 0.1

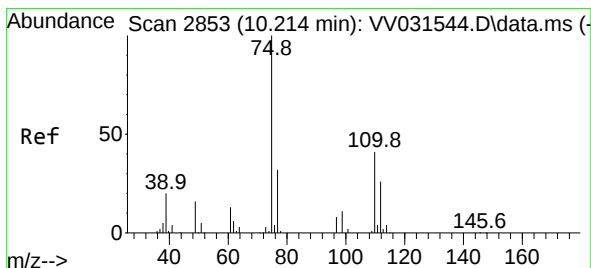
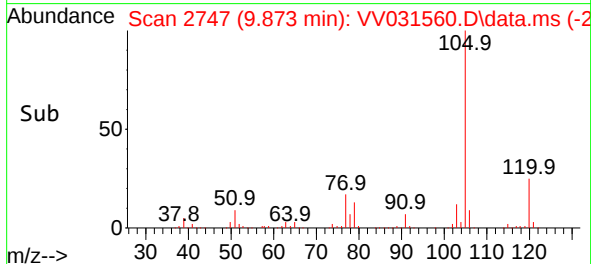
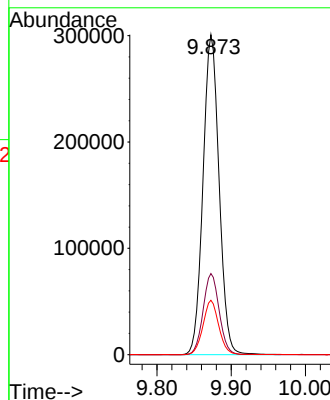
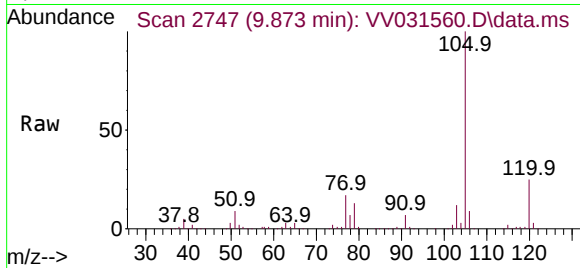




#60  
Isopropylbenzene  
Concen: 47.453 ug/L  
RT: 9.873 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

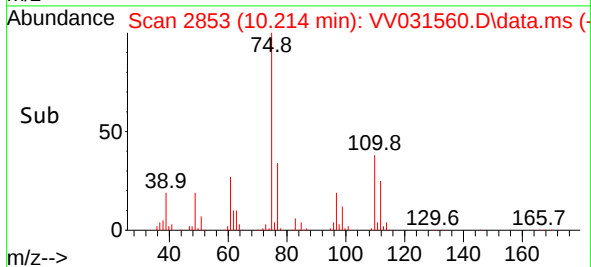
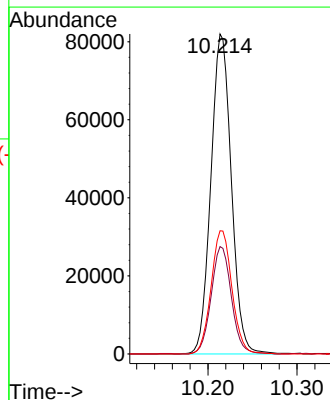
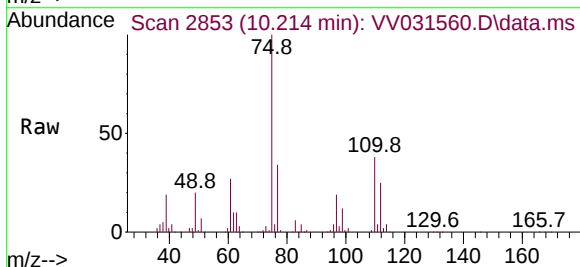
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

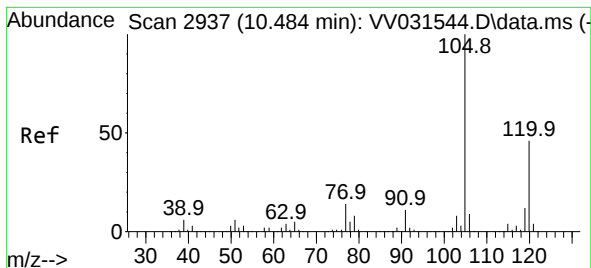
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 452291 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.3  | 20.2  | 30.2   |
| 77        | 16.7  | 13.5  | 20.3   |



#61  
1,2,3-Trichloropropane  
Concen: 44.237 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 130630 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 33.2  | 25.4  | 38.0   |
| 110       | 39.3  | 31.3  | 46.9   |

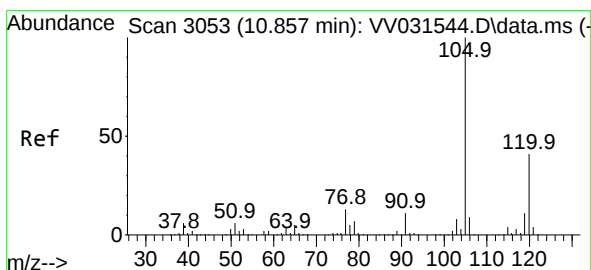
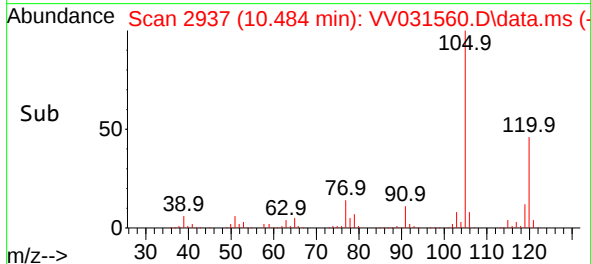
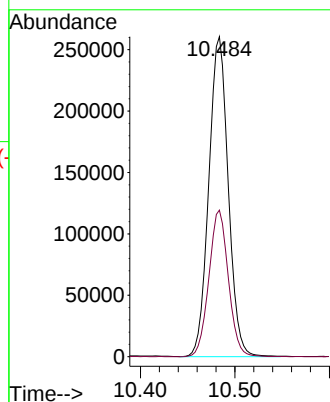
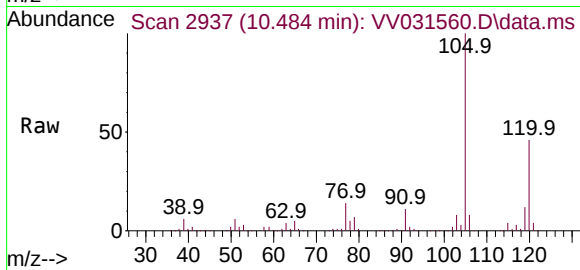




#62  
1,3,5-Trimethylbenzene  
Concen: 47.268 ug/L  
RT: 10.484 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

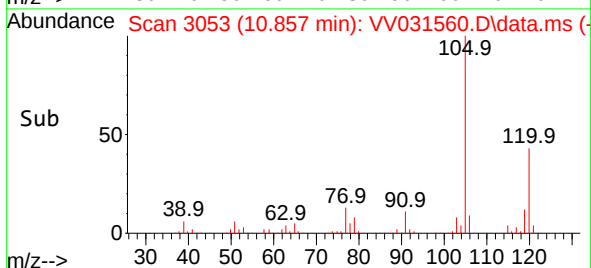
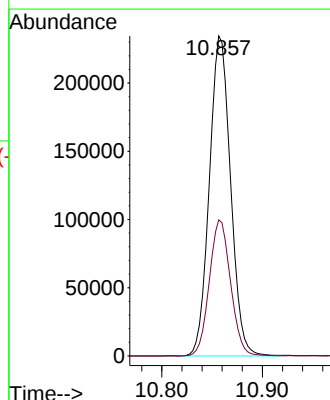
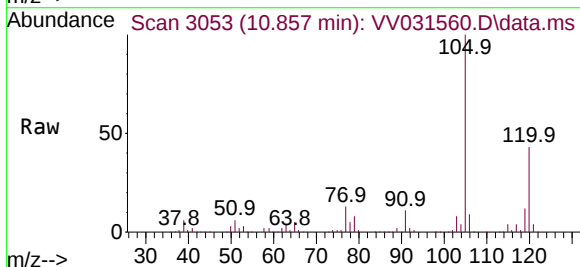
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

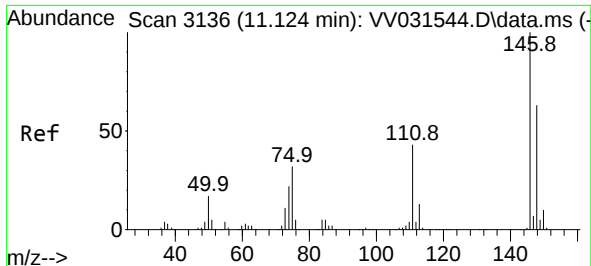
Tgt Ion:105 Resp: 372358  
Ion Ratio Lower Upper  
105 100  
120 45.8 36.2 54.2



#63  
1,2,4-Trimethylbenzene  
Concen: 46.865 ug/L  
RT: 10.857 min Scan# 3053  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:105 Resp: 343992  
Ion Ratio Lower Upper  
105 100  
120 42.6 33.4 50.2

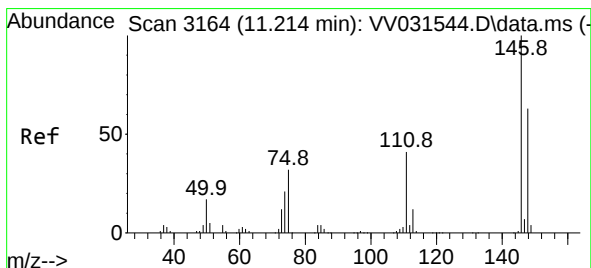
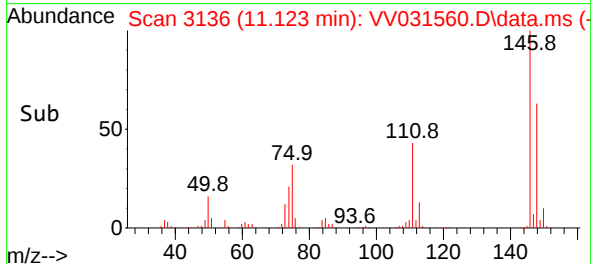
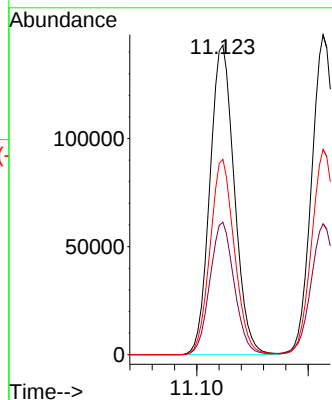
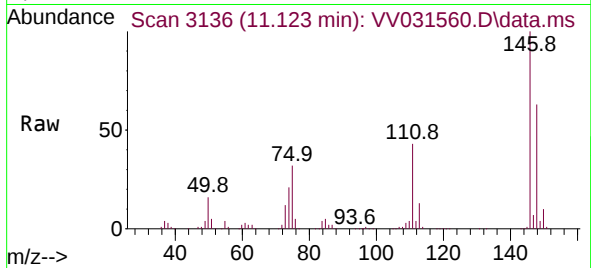




#64  
1,3-Dichlorobenzene  
Concen: 45.831 ug/L  
RT: 11.123 min Scan# 3136  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

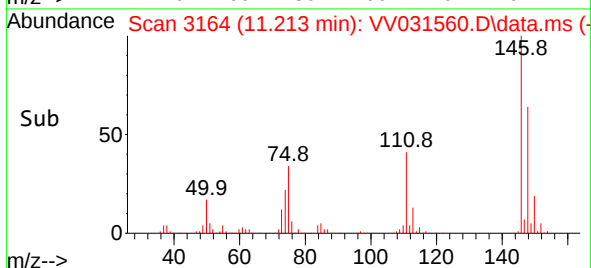
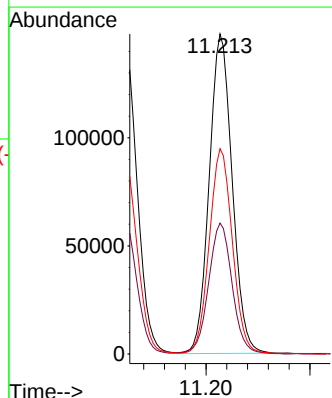
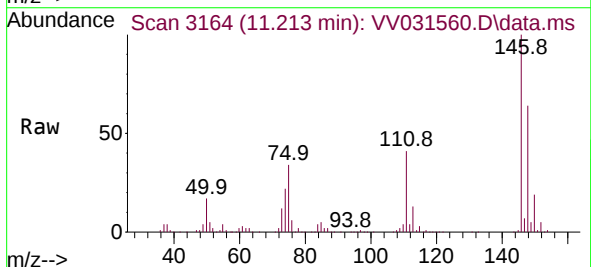
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

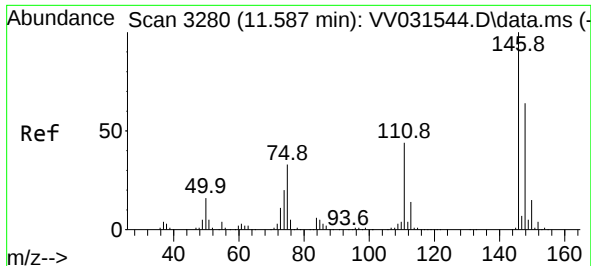
Tgt Ion:146 Resp: 219005  
Ion Ratio Lower Upper  
146 100  
111 42.8 30.4 56.5  
148 63.1 44.7 83.1



#65  
1,4-Dichlorobenzene  
Concen: 44.478 ug/L  
RT: 11.213 min Scan# 3164  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:146 Resp: 226488  
Ion Ratio Lower Upper  
146 100  
111 40.9 27.9 51.7  
148 64.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 45.692 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

EXYW5MSD

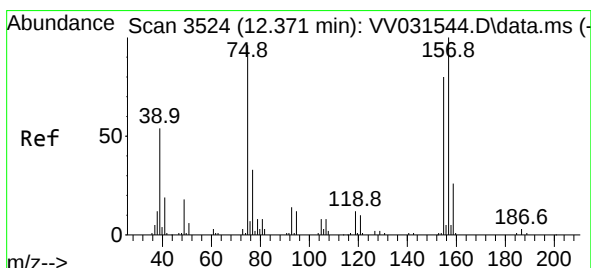
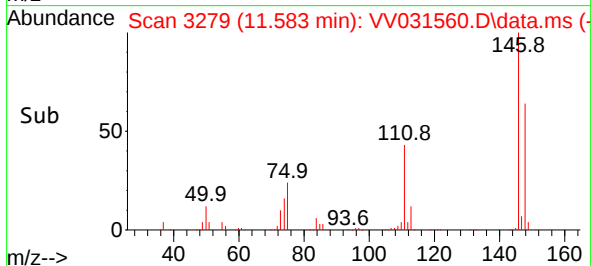
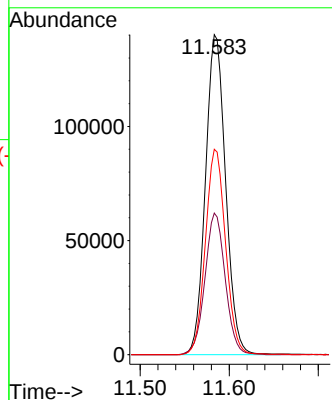
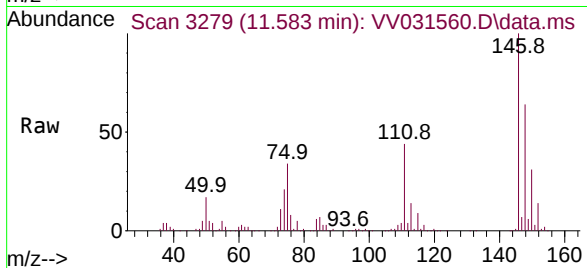
Tgt Ion:146 Resp: 220373

Ion Ratio Lower Upper

146 100

111 44.2 35.9 53.9

148 64.2 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.102 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

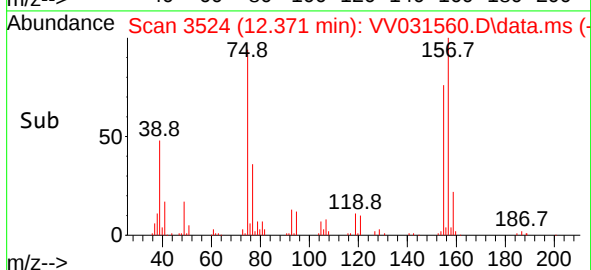
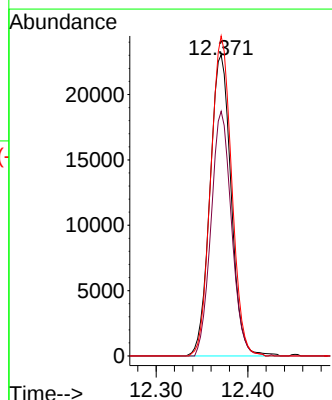
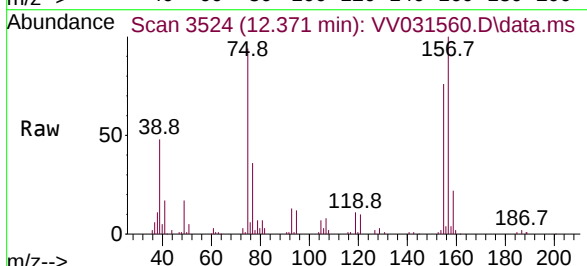
Tgt Ion: 75 Resp: 36900

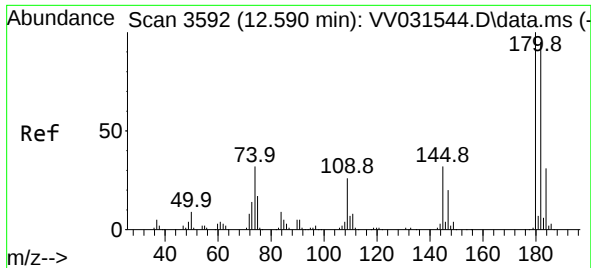
Ion Ratio Lower Upper

75 100

155 85.9 63.2 94.8

157 106.3 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 43.150 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA\_V

ClientSampleId :

EXYW5MSD

Tgt Ion:180 Resp: 157115

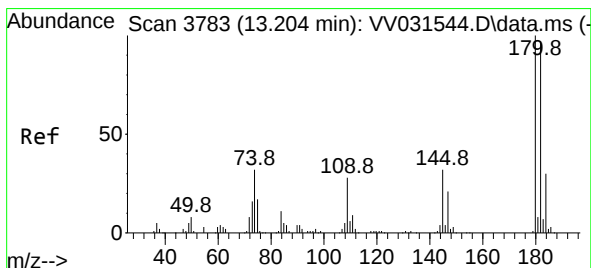
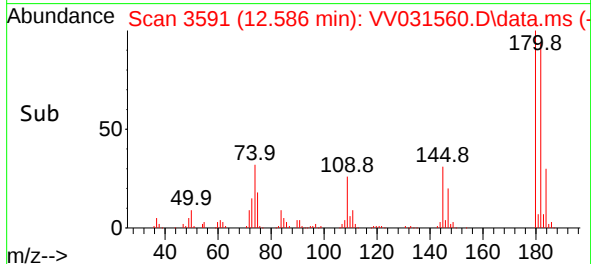
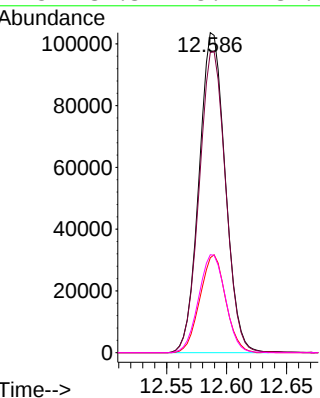
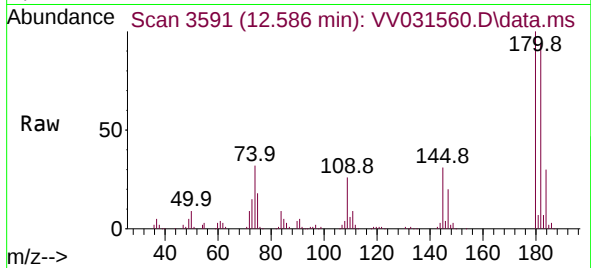
Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

184 30.1 24.7 37.1

145 31.3 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 43.799 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

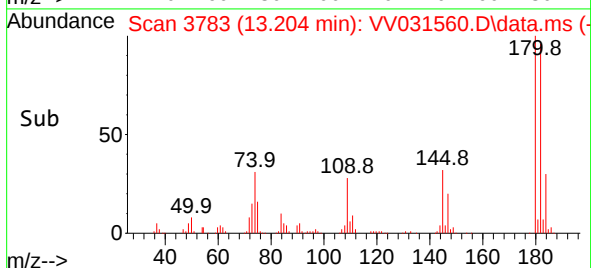
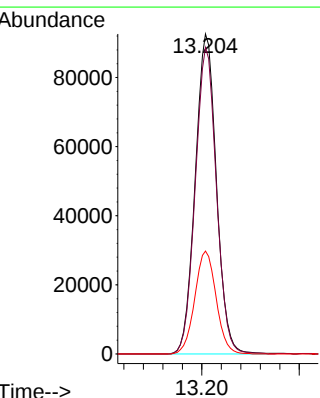
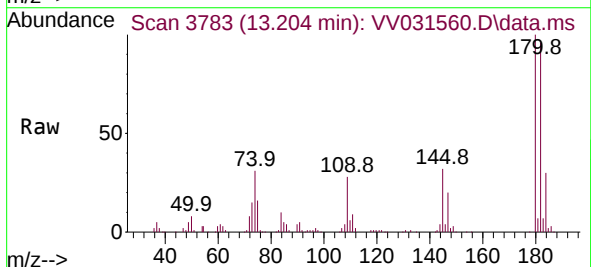
Tgt Ion:180 Resp: 139789

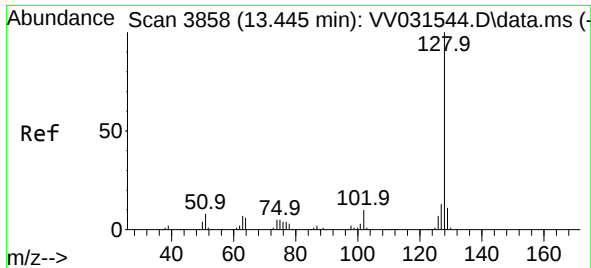
Ion Ratio Lower Upper

180 100

182 95.7 77.7 116.5

145 32.4 26.1 39.1

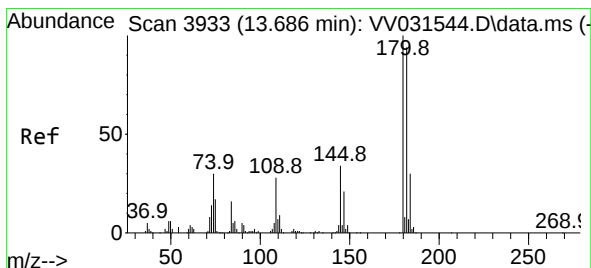
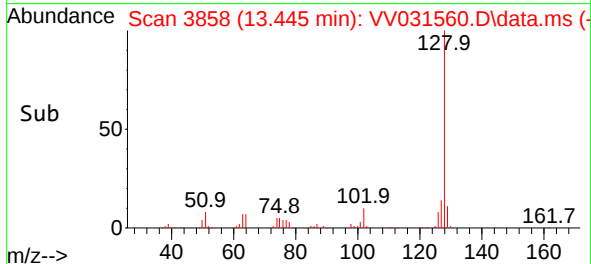
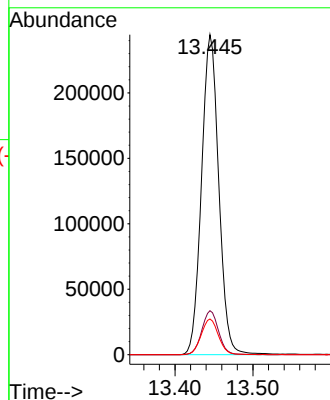
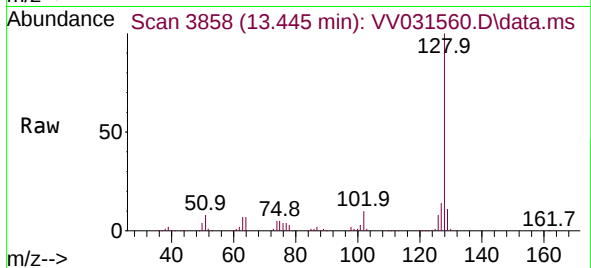




#71  
Naphthalene  
Concen: 46.469 ug/L  
RT: 13.445 min Scan# 3858  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW5MSD

Tgt Ion:128 Resp: 375662  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 16.0  
129 11.1 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 44.797 ug/L  
RT: 13.686 min Scan# 3933  
Delta R.T. -0.000 min  
Lab File: VV031560.D  
Acq: 16 Jun 2023 03:43

Tgt Ion:180 Resp: 148575  
Ion Ratio Lower Upper  
180 100  
182 94.8 74.0 111.0  
145 34.2 26.2 39.2

