

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100522\  
 Data File : VV028375.D  
 Acq On : 05 Oct 2022 17:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 06 02:33:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 04 02:28:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 207587   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 206238   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 115550   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 59501    | 3.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 57237    | 4.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 125268   | 4.261    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.200%  |
| 20) 2-Butanone-d5             | 3.921  | 46    | 170177   | 64.483   | ug/L   | 0.04     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 128.960% |
| 24) Chloroform-d              | 4.349  | 84    | 138305   | 4.895    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 64245    | 4.904    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.000%  |
| 32) Benzene-d6                | 5.050  | 84    | 265714   | 4.697    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 81784    | 5.039    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.800% |
| 41) Toluene-d8                | 7.313  | 98    | 248177   | 4.770    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 28955    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 147936   | 58.472   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 116.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213 | 84    | 65155    | 5.296    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.619 | 152   | 90377    | 4.545    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 83866    | 5.022    | ug/L   | 92       |
| 3) Chloromethane              | 1.240  | 50    | 80558    | 5.091    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.310  | 62    | 91991    | 5.163    | ug/L   | 99       |
| 6) Bromomethane               | 1.519  | 94    | 36001    | 4.254    | ug/L   | 96       |
| 8) Chloroethane               | 1.584  | 64    | 75169    | 6.330    | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 133676   | 4.993    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 74999    | 5.008    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 74369    | 4.994    | ug/L # | 74       |
| 13) Acetone                   | 2.217  | 43    | 100485   | 57.985   | ug/L   | 62       |
| 14) Carbon disulfide          | 2.294  | 76    | 226062   | 4.873    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.445  | 43    | 24184    | 5.127    | ug/L # | 84       |
| 16) Methylene chloride        | 2.506  | 84    | 87961    | 5.248    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 158109   | 5.171    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 80440    | 5.187    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 146260   | 5.537    | ug/L   | 98       |
| 21) 2-Butanone                | 4.002  | 43    | 150989   | 57.394   | ug/L   | 91       |
| 22) cis-1,2-Dichloroethene    | 3.911  | 96    | 83237    | 5.329    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.249  | 128   | 37713    | 5.452    | ug/L   | 90       |
| 25) Chloroform                | 4.375  | 83    | 150115   | 5.182    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100522\  
 Data File : VW028375.D  
 Acq On : 05 Oct 2022 17:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

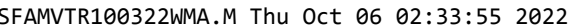
Instrument :  
 MSVOA\_V  
 ClientSampleId :

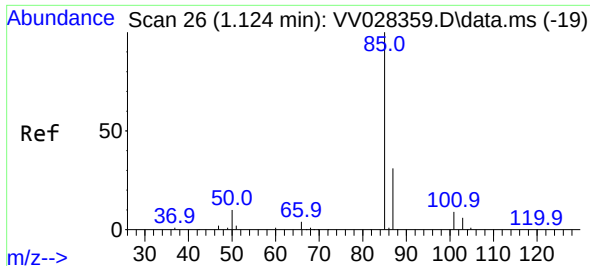
Quant Time: Oct 06 02:33:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 04 02:28:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 79517    | 5.124  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 130299   | 5.122  | ug/L   | 97       |
| 30) Cyclohexane               | 4.677  | 56   | 115265   | 5.259  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 111798   | 4.899  | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 324452   | 5.285  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 81362    | 5.293  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.130  | 83   | 124789   | 4.972  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 80698    | 5.675  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.509  | 83   | 100659   | 5.133  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 102122   | 5.032  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 398516   | 61.002 | ug/L   | 96       |
| 42) Toluene                   | 7.387  | 91   | 352992   | 5.464  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 85616    | 4.965  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 56474    | 5.355  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.972  | 164  | 69746    | 5.191  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 295976   | 64.687 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.242  | 129  | 67495    | 5.056  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 52851    | 5.569  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 224937   | 5.236  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.011  | 91   | 350299   | 5.160  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 141304   | 5.221  | ug/L   | 96       |
| 54) o-Xylene                  | 9.541  | 106  | 133245   | 5.205  | ug/L   | 98       |
| 55) Styrene                   | 9.558  | 104  | 237915   | 5.408  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 68347    | 5.712  | ug/L   | 99       |
| 59) Bromoform                 | 9.728  | 173  | 36873    | 4.845  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.927  | 105  | 350729   | 4.961  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 47493    | 5.327  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 94101    | 4.684  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 267055   | 4.690  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 181608   | 5.229  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 183797   | 5.285  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 167198   | 5.307  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.422 | 75   | 9513     | 4.684  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 135217   | 4.922  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.255 | 180  | 107027   | 5.112  | ug/L   | 99       |
| 71) Naphthalene               | 13.496 | 128  | 142451   | 4.356  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.737 | 180  | 92864    | 4.920  | ug/L   | 100      |

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

Quant Time: Oct 06 02:33:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Oct 04 02:28:45 2022  
Response via : Initial Calibration

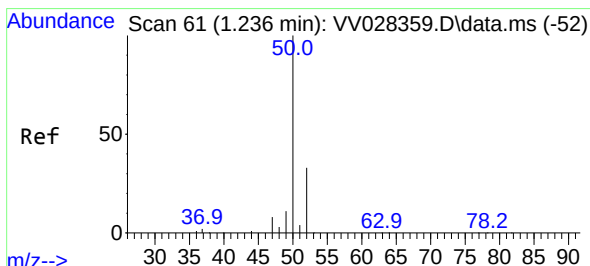
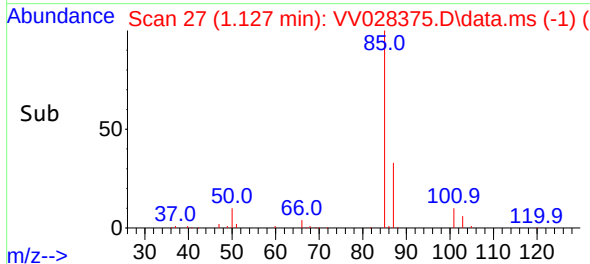
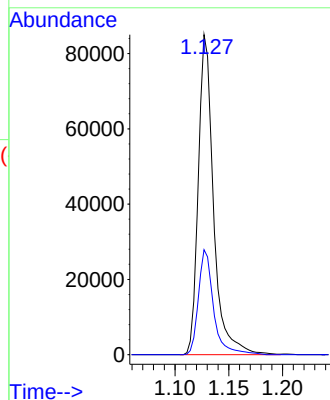
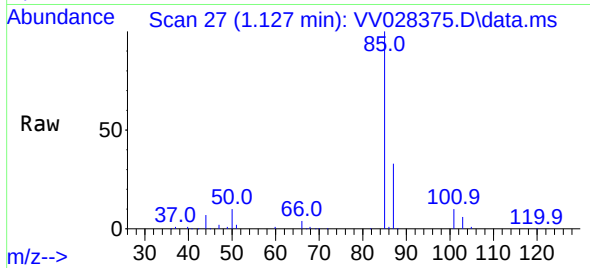




#2  
Dichlorodifluoromethane  
Concen: 5.022 ug/L  
RT: 1.127 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

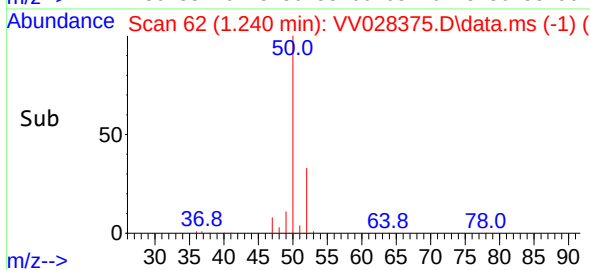
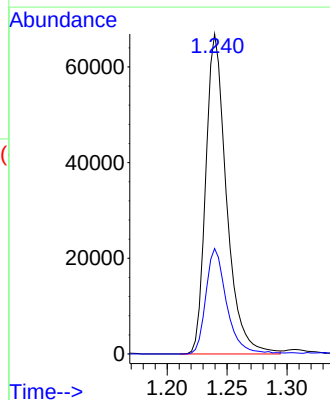
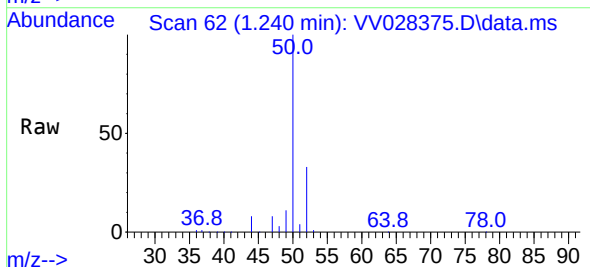
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 85 Resp: 83866  
Ion Ratio Lower Upper  
85 100  
87 32.6 22.8 34.2

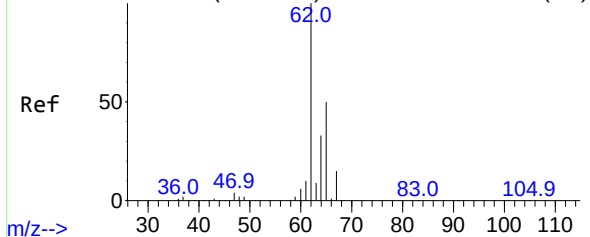


#3  
Chloromethane  
Concen: 5.091 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 50 Resp: 80558  
Ion Ratio Lower Upper  
50 100  
52 33.0 24.4 45.2



Abundance Scan 82 (1.304 min): VV028359.D\data.ms (-73)



#5

Vinyl chloride

Concen: 5.163 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.006 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

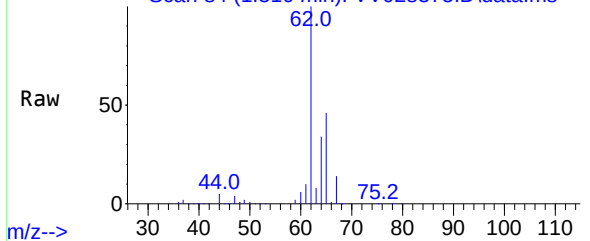
Tgt Ion: 62 Resp: 91991

Ion Ratio Lower Upper

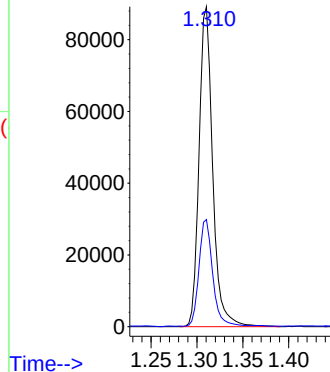
62 100

64 33.5 23.0 42.8

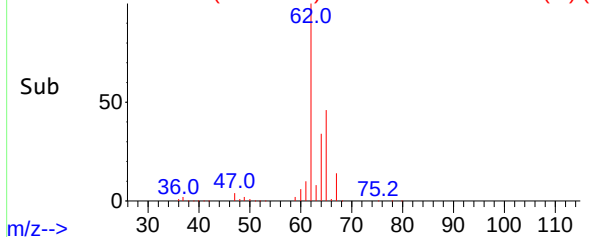
Abundance Scan 84 (1.310 min): VV028375.D\data.ms



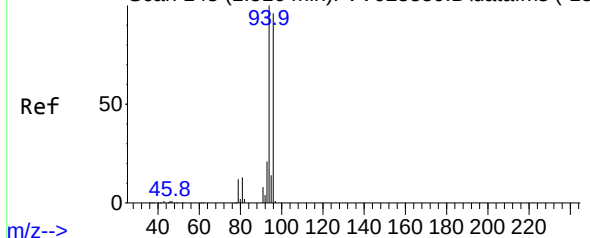
Abundance



Abundance Scan 84 (1.310 min): VV028375.D\data.ms (-1)



Abundance Scan 148 (1.516 min): VV028359.D\data.ms (-13)



#6

Bromomethane

Concen: 4.254 ug/L

RT: 1.519 min Scan# 149

Delta R.T. 0.003 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

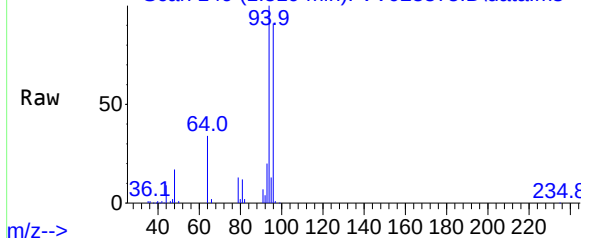
Tgt Ion: 94 Resp: 36001

Ion Ratio Lower Upper

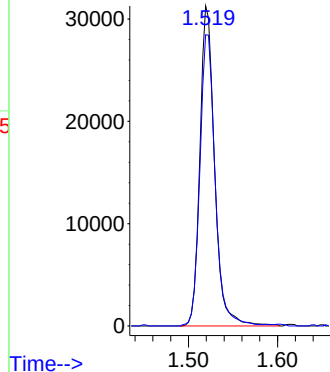
94 100

96 91.0 66.7 123.9

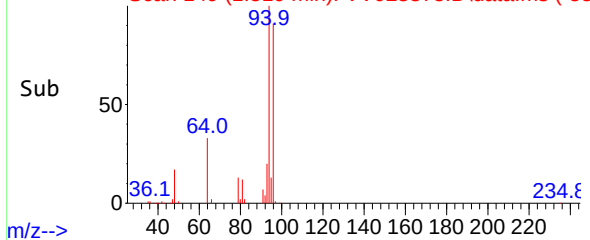
Abundance Scan 149 (1.519 min): VV028375.D\data.ms

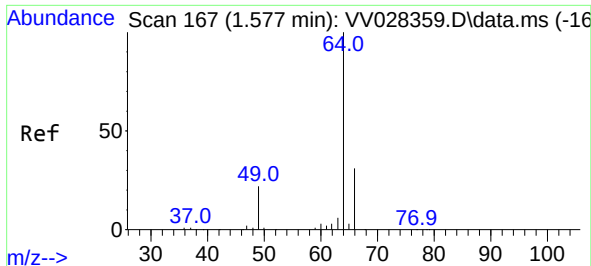


Abundance



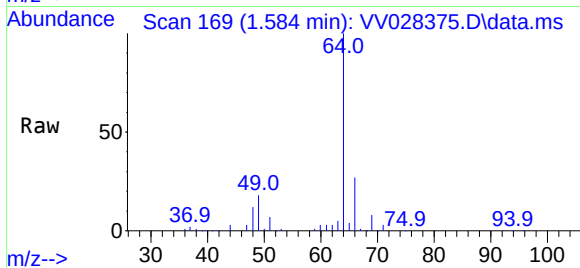
Abundance Scan 149 (1.519 min): VV028375.D\data.ms (-55)



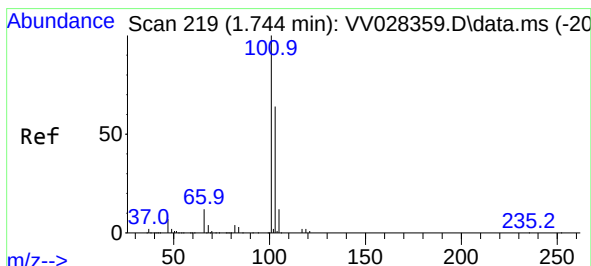
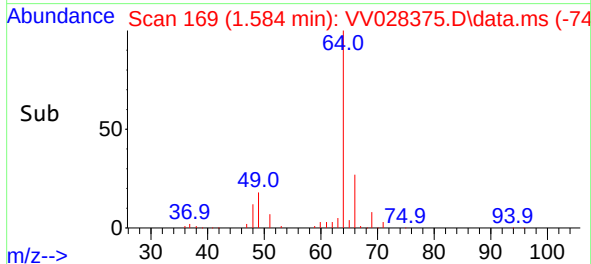
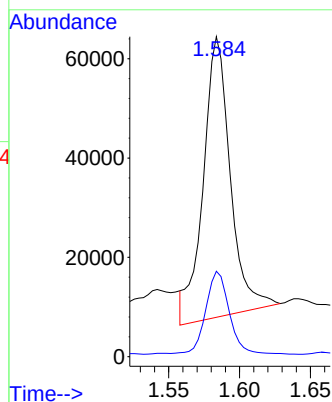


#8  
Chloroethane  
Concen: 6.330 ug/L  
RT: 1.584 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :

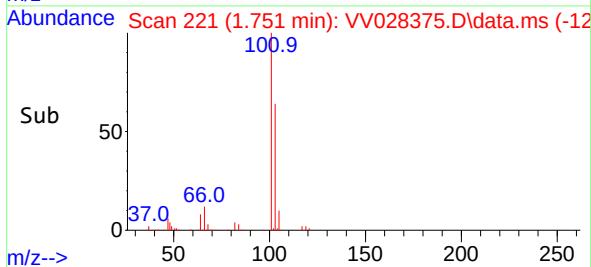
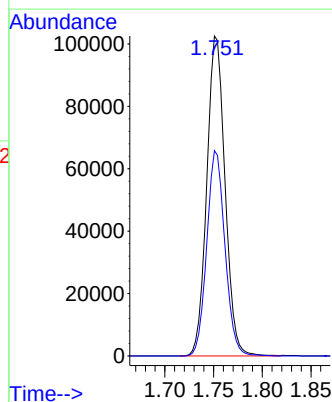
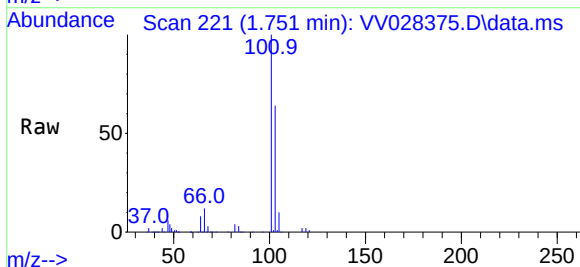


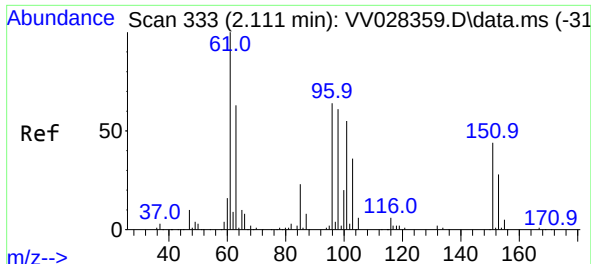
Tgt Ion: 64 Resp: 75169  
Ion Ratio Lower Upper  
64 100  
66 26.7 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 4.993 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion:101 Resp: 133676  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.4 77.0

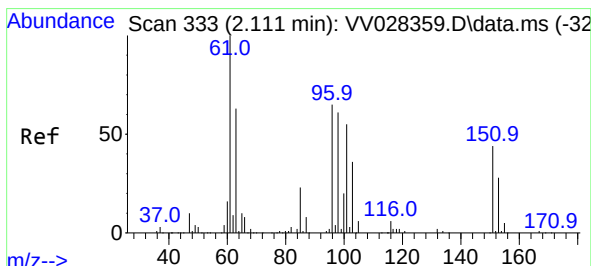
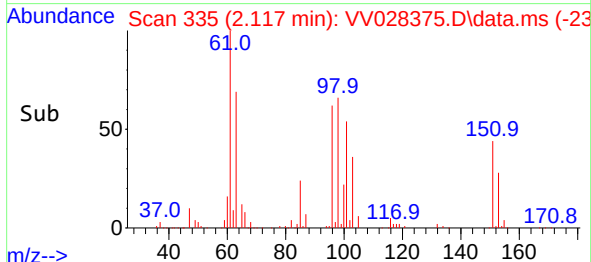
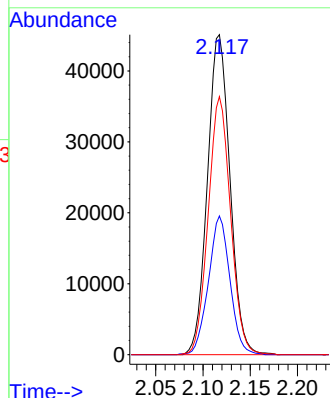
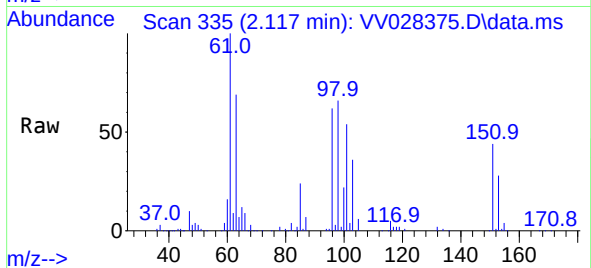




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.008 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.010 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

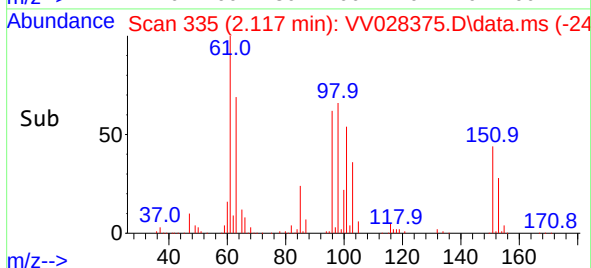
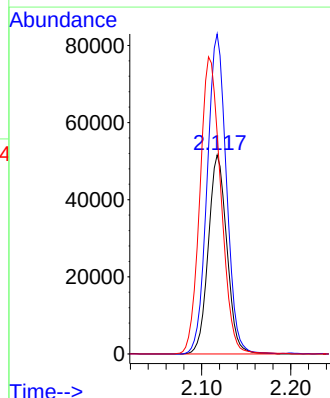
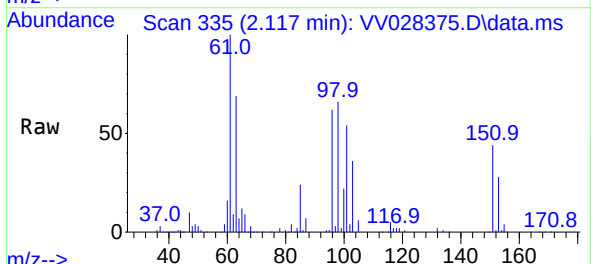
Instrument :  
MSVOA\_V  
ClientSampleId :

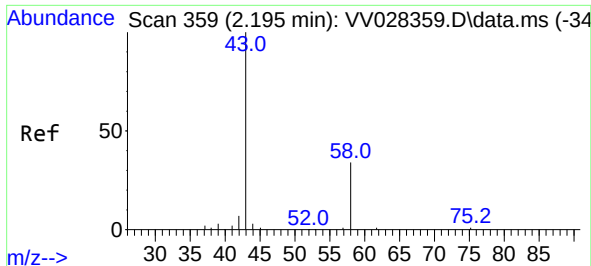
Tgt Ion:101 Resp: 74999  
Ion Ratio Lower Upper  
101 100  
85 41.3 34.4 51.6  
151 79.9 61.1 91.7



#12  
1,1-Dichloroethene  
Concen: 4.994 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 96 Resp: 74369  
Ion Ratio Lower Upper  
96 100  
61 160.8 128.3 238.3  
63 110.6 112.7 209.3#

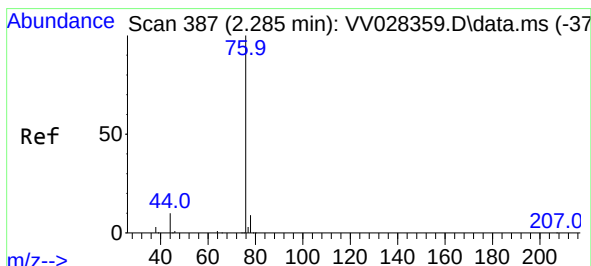
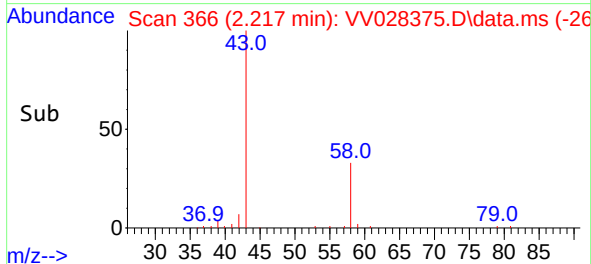
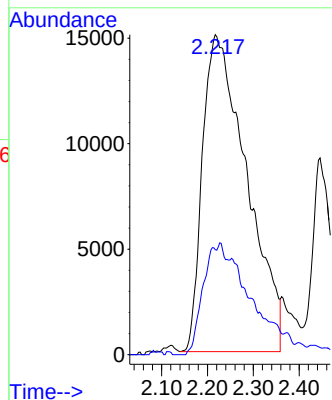
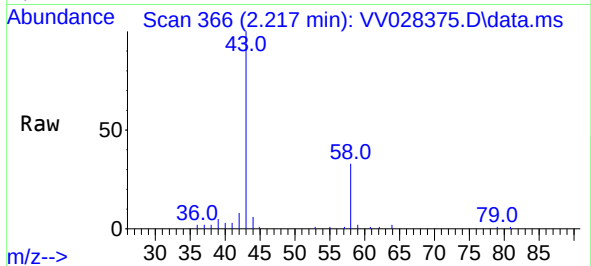




#13  
Acetone  
Concen: 57.985 ug/L  
RT: 2.217 min Scan# 30  
Delta R.T. 0.042 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

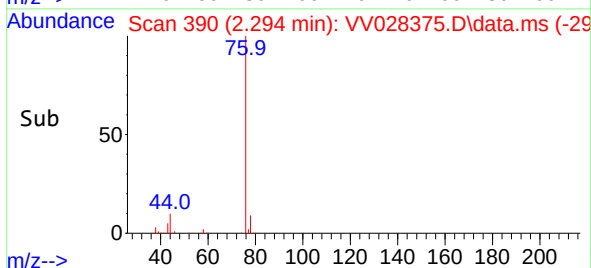
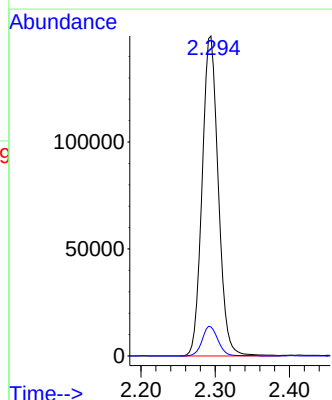
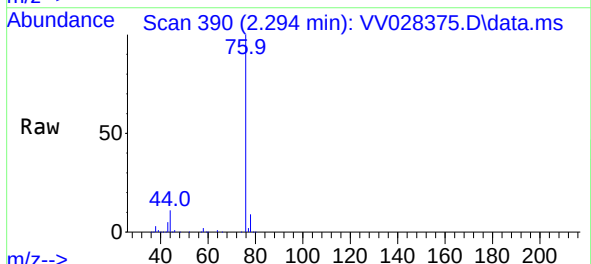
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 100485  
Ion Ratio Lower Upper  
43 100  
58 11.2 0.0 65.6

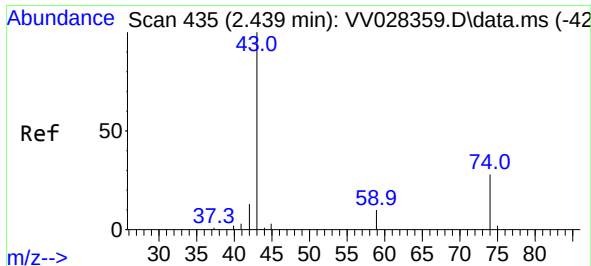


#14  
Carbon disulfide  
Concen: 4.873 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.010 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 76 Resp: 226062  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.6 11.4



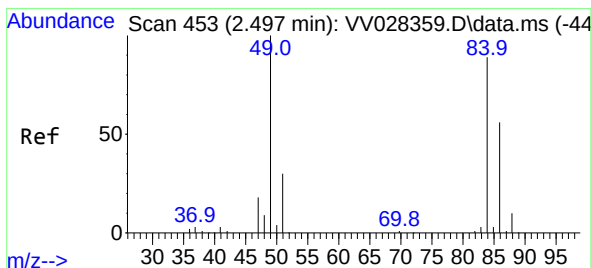
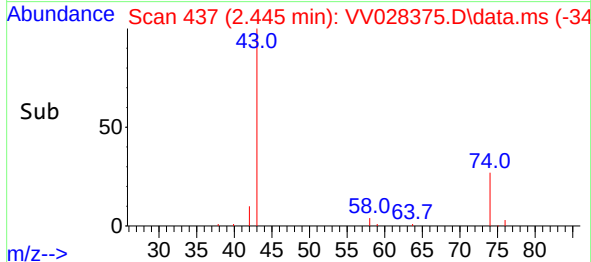
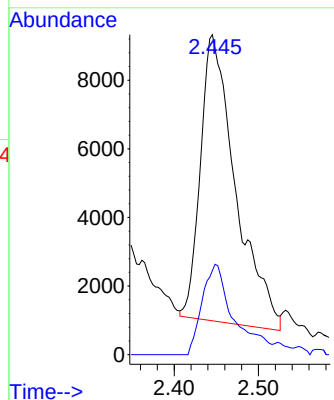
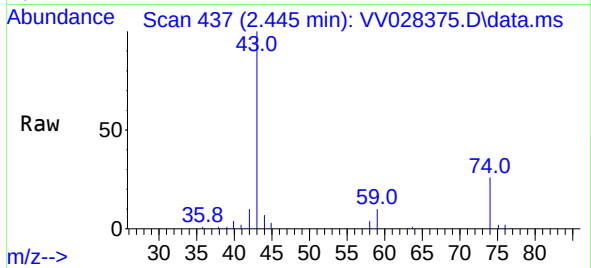




#15  
Methyl Acetate  
Concen: 5.127 ug/L  
RT: 2.445 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

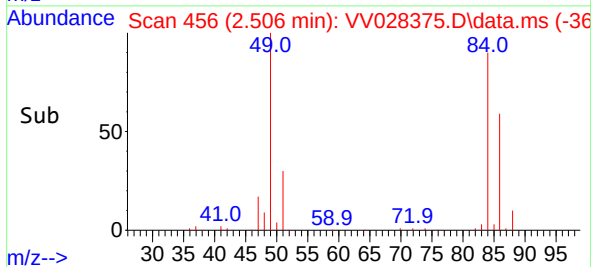
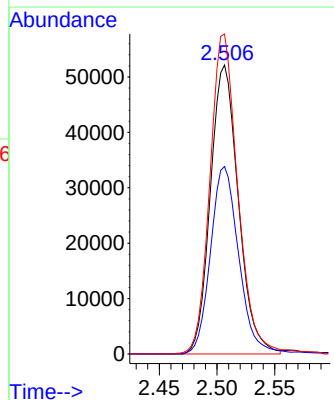
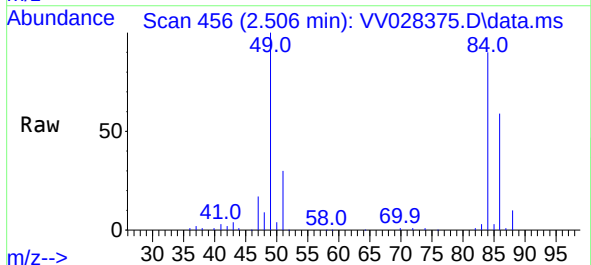
Instrument :  
MSVOA\_V  
ClientSampleId :

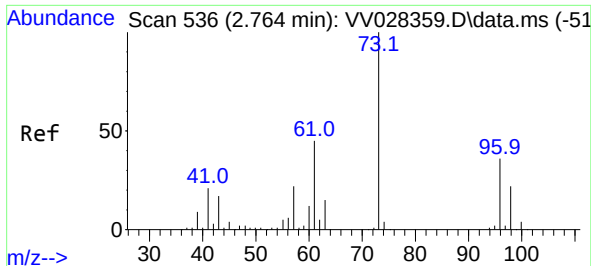
Tgt Ion: 43 Resp: 24184  
Ion Ratio Lower Upper  
43 100  
74 28.5 16.9 25.3#



#16  
Methylene chloride  
Concen: 5.248 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 84 Resp: 87961  
Ion Ratio Lower Upper  
84 100  
86 64.9 46.8 86.8  
49 110.7 87.5 162.5

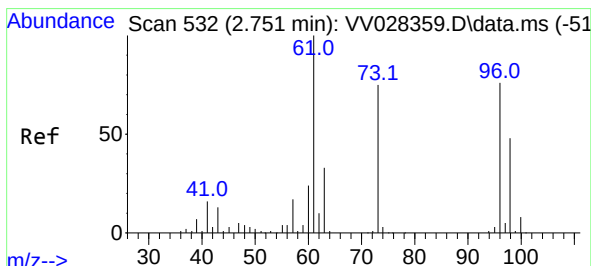
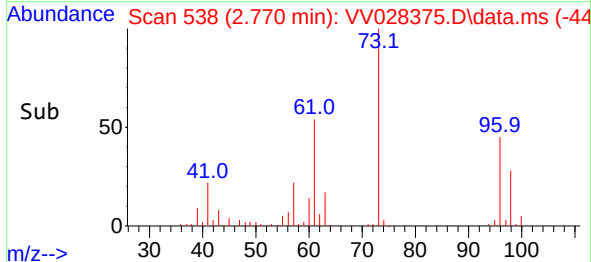
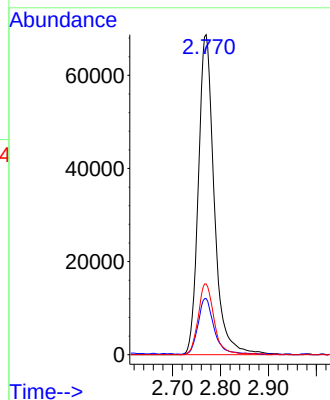
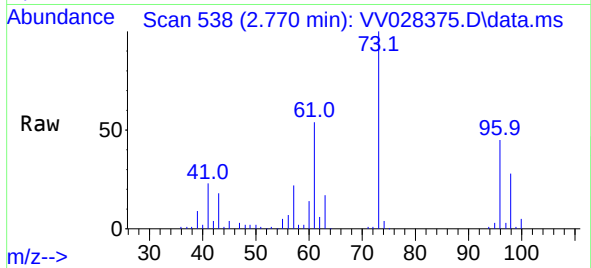




#17  
Methyl tert-butyl Ether  
Concen: 5.171 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

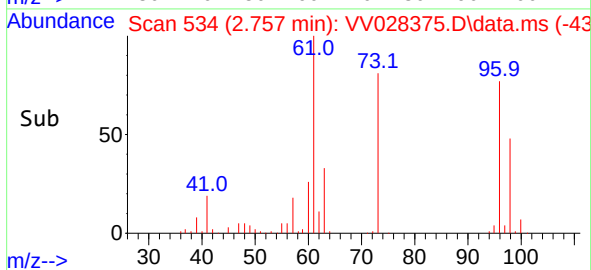
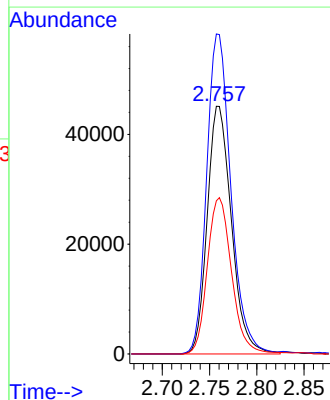
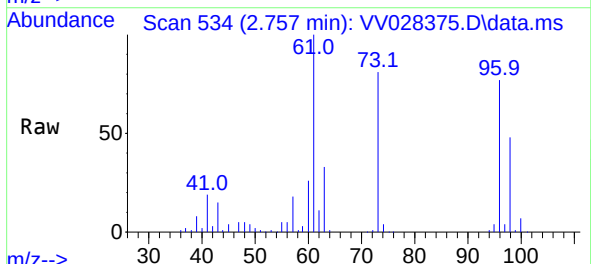
Instrument :  
MSVOA\_V  
ClientSampleId :

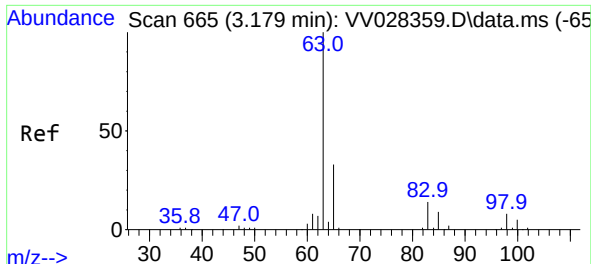
Tgt Ion: 73 Resp: 158109  
Ion Ratio Lower Upper  
73 100  
43 17.4 15.7 23.5  
57 22.0 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.187 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 96 Resp: 80440  
Ion Ratio Lower Upper  
96 100  
61 129.2 96.2 178.6  
98 61.8 45.7 84.9

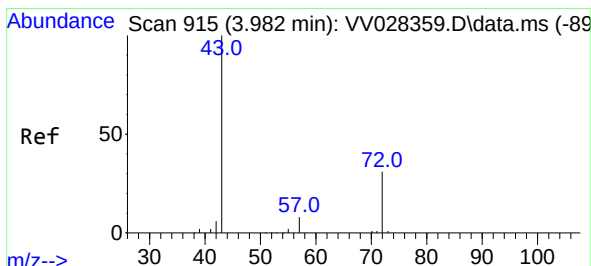
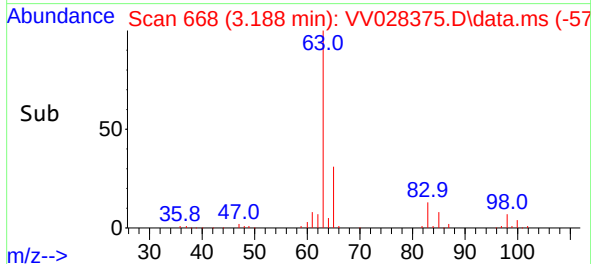
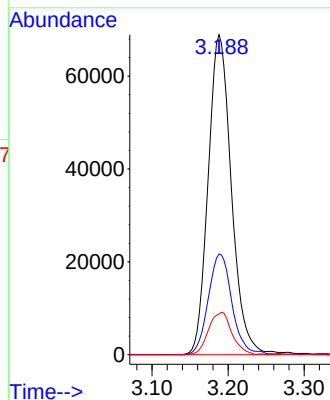
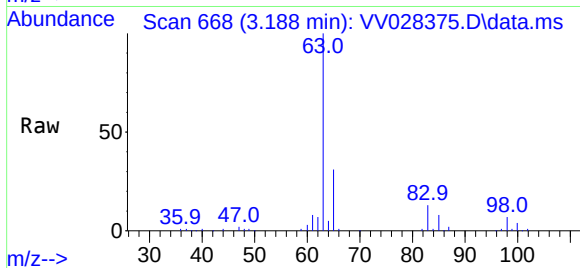




#19  
1,1-Dichloroethane  
Concen: 5.537 ug/L  
RT: 3.188 min Scan# 665  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

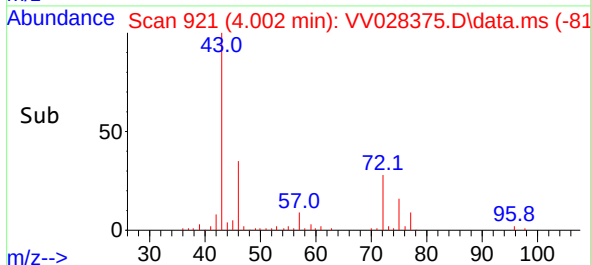
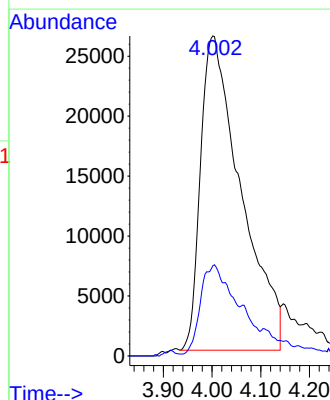
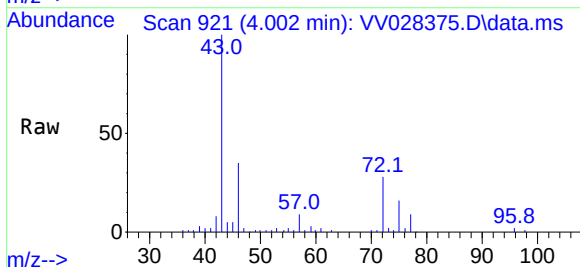
Instrument :  
MSVOA\_V  
ClientSampleId :

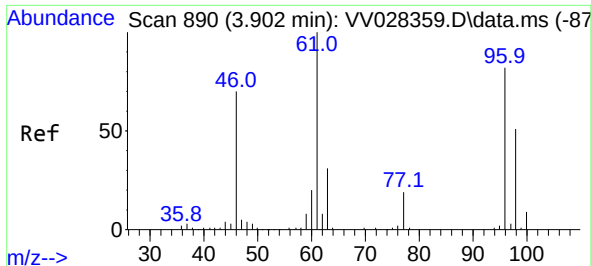
Tgt Ion: 63 Resp: 146260  
Ion Ratio Lower Upper  
63 100  
65 31.4 23.0 42.8  
83 12.8 9.2 17.2



#21  
2-Butanone  
Concen: 57.394 ug/L  
RT: 4.002 min Scan# 921  
Delta R.T. 0.032 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

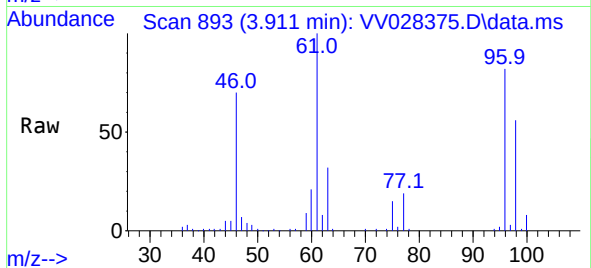
Tgt Ion: 43 Resp: 150989  
Ion Ratio Lower Upper  
43 100  
72 21.0 12.7 38.1





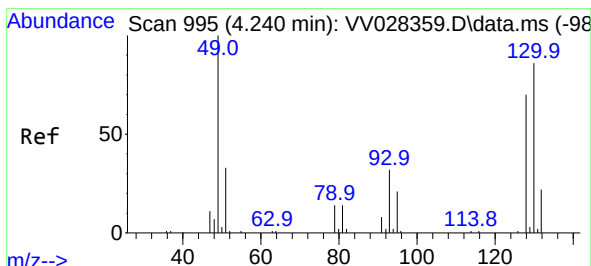
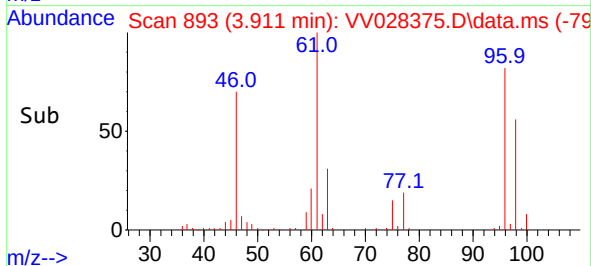
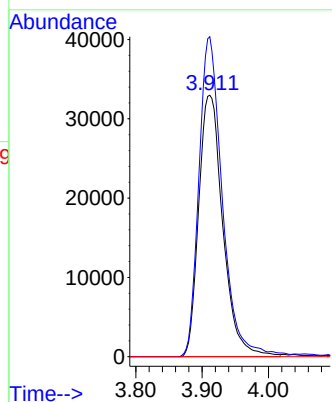
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.329 ug/L  
 RT: 3.911 min Scan# 891  
 Delta R.T. 0.006 min  
 Lab File: VV028375.D  
 Acq: 05 Oct 2022 17:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 83237  

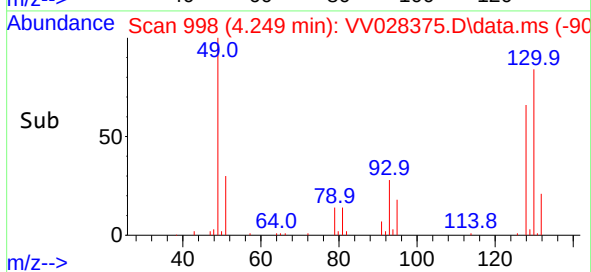
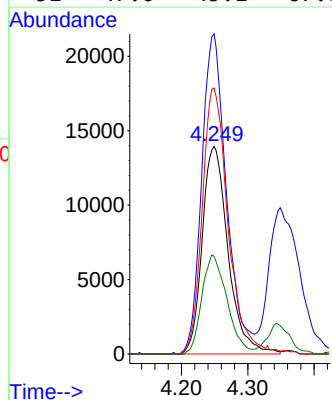
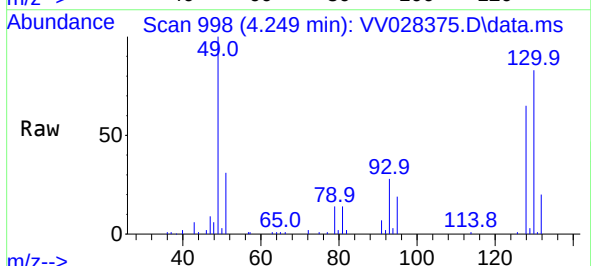
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 122.4 | 87.2  | 161.9 |
| 68  | 0.0   | 0.0   | 0.0   |

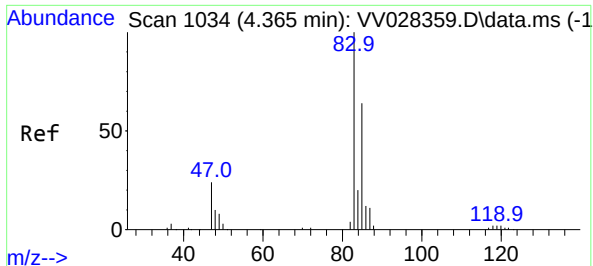


#23  
 Bromochloromethane  
 Concen: 5.452 ug/L  
 RT: 4.249 min Scan# 998  
 Delta R.T. 0.010 min  
 Lab File: VV028375.D  
 Acq: 05 Oct 2022 17:45

Tgt Ion: 128 Resp: 37713  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 154.2 | 119.9 | 222.7 |
| 130 | 128.1 | 94.6  | 175.8 |
| 51  | 47.0  | 45.1  | 67.7  |





#25

Chloroform

Concen: 5.182 ug/L

RT: 4.375 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

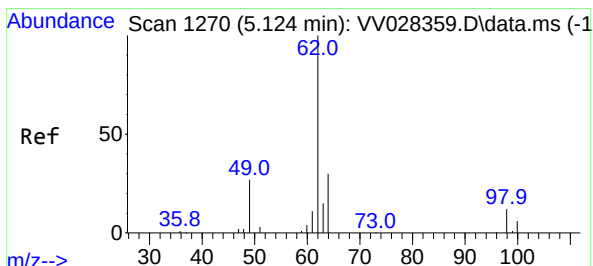
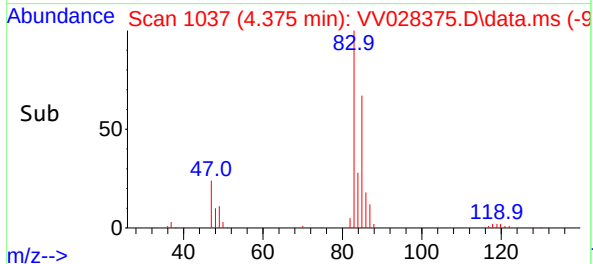
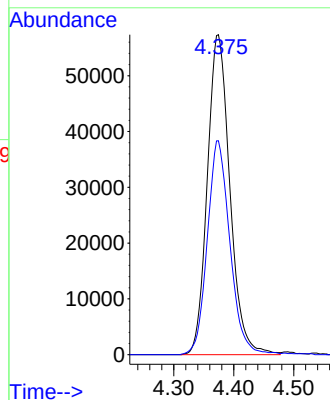
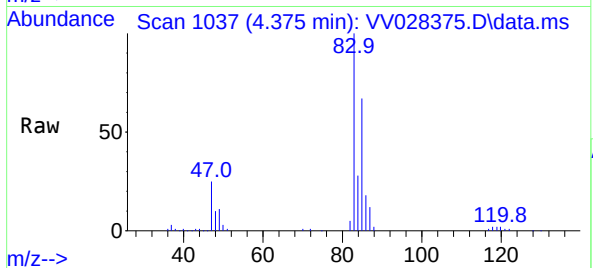
ClientSampleId :

Tgt Ion: 83 Resp: 150115

Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.7



#27

1,2-Dichloroethane

Concen: 5.124 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV028375.D

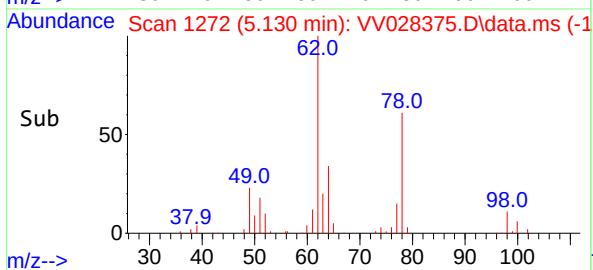
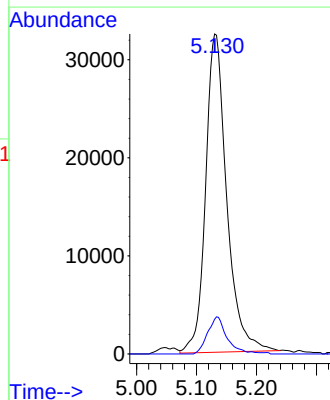
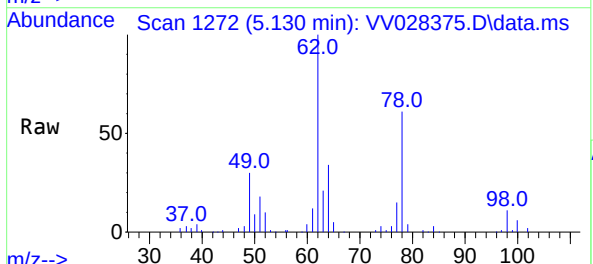
Acq: 05 Oct 2022 17:45

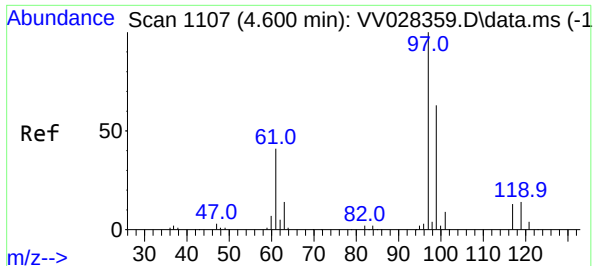
Tgt Ion: 62 Resp: 79517

Ion Ratio Lower Upper

62 100

98 10.9 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 5.122 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

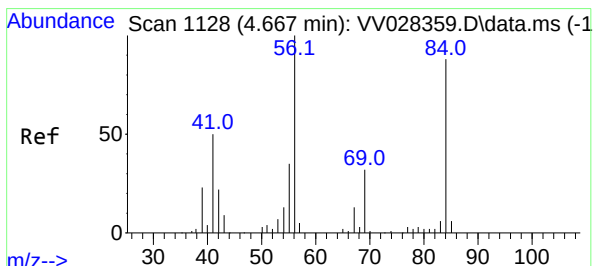
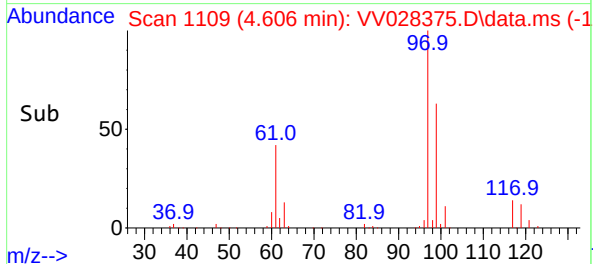
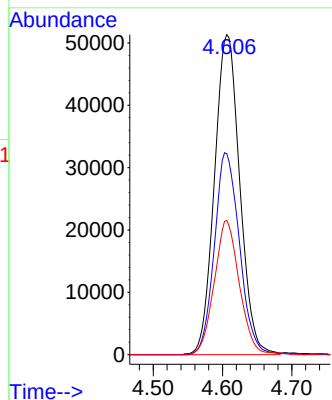
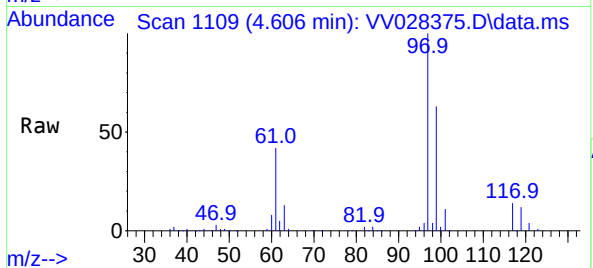
Tgt Ion: 97 Resp: 130299

Ion Ratio Lower Upper

97 100

99 62.6 51.9 77.9

61 41.7 34.8 52.2



#30

Cyclohexane

Concen: 5.259 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.010 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

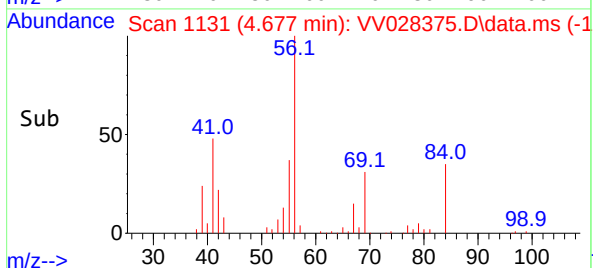
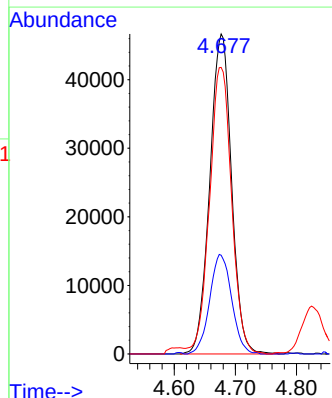
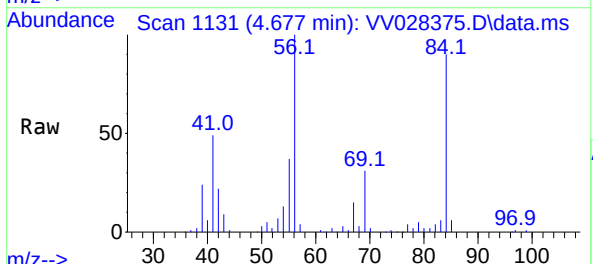
Tgt Ion: 56 Resp: 115265

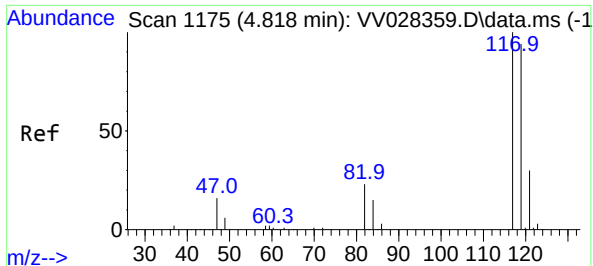
Ion Ratio Lower Upper

56 100

69 31.5 23.7 35.5

84 91.0 67.3 100.9

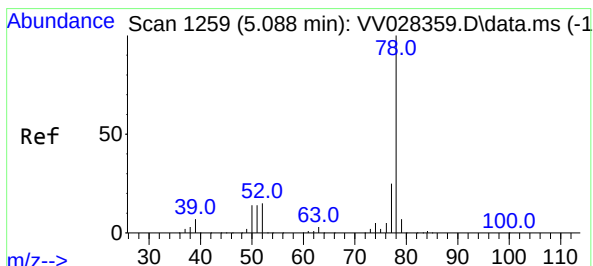
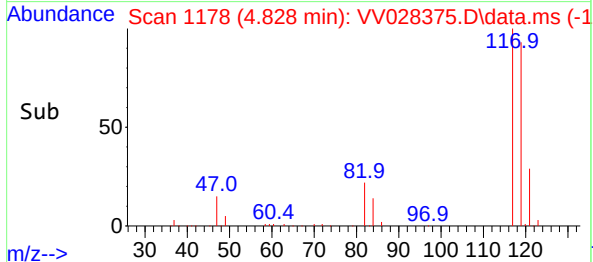
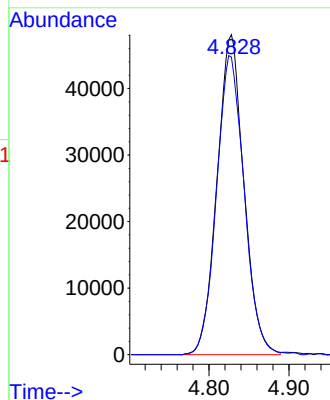
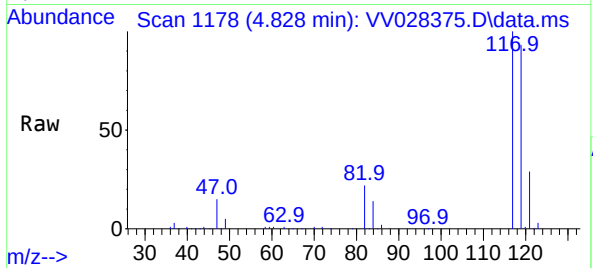




#31  
Carbon tetrachloride  
Concen: 4.899 ug/L  
RT: 4.828 min Scan# 1175  
Delta R.T. 0.010 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

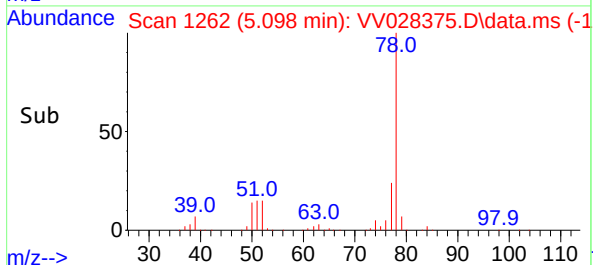
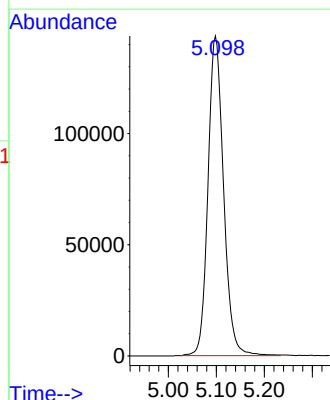
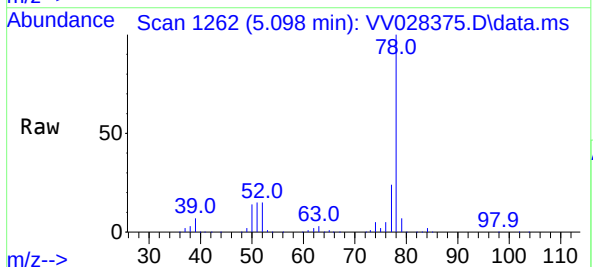
Instrument :  
MSVOA\_V  
ClientSampleId :

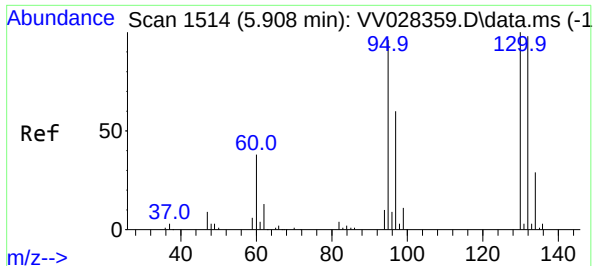
Tgt Ion:117 Resp: 111798  
Ion Ratio Lower Upper  
117 100  
119 96.3 76.9 115.3



#33  
Benzene  
Concen: 5.285 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 78 Resp: 324452

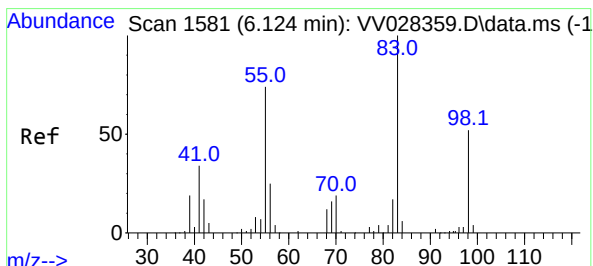
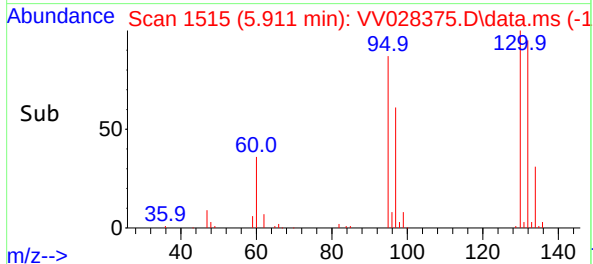
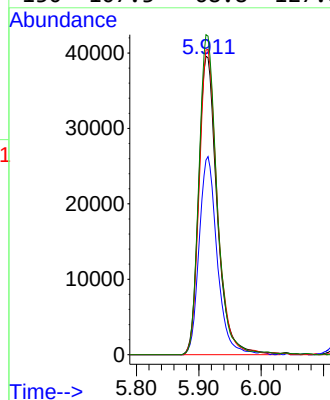
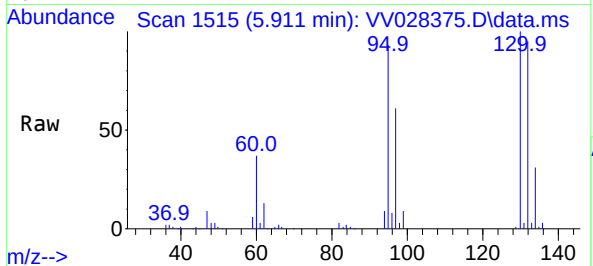




#34  
Trichloroethene  
Concen: 5.293 ug/L  
RT: 5.911 min Scan# 1515  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

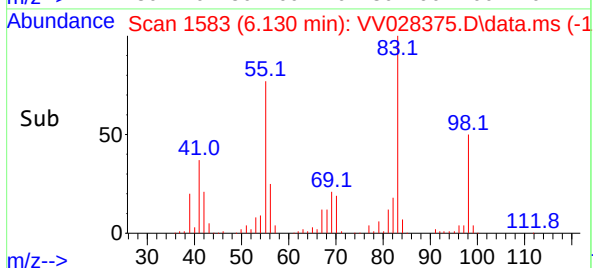
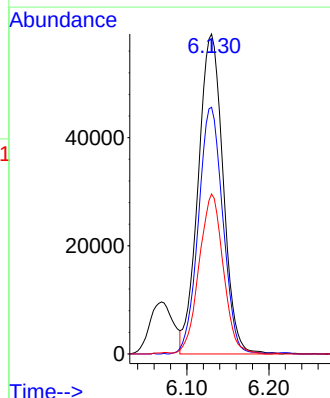
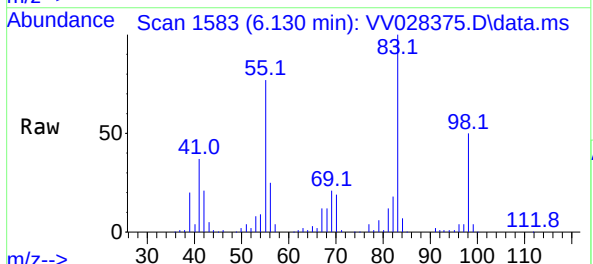
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 81362  
Ion Ratio Lower Upper  
95 100  
97 65.2 44.2 82.0  
132 102.2 67.8 126.0  
130 107.3 68.8 127.8

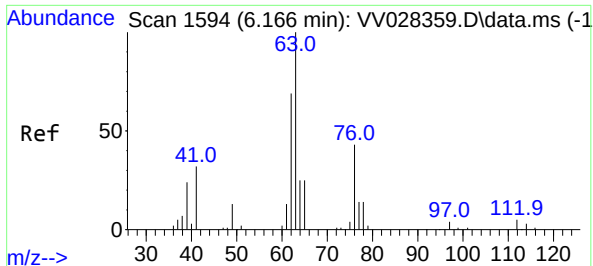


#35  
Methylcyclohexane  
Concen: 4.972 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. 0.006 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 83 Resp: 124789  
Ion Ratio Lower Upper  
83 100  
55 75.7 64.7 97.1  
98 48.8 39.5 59.3



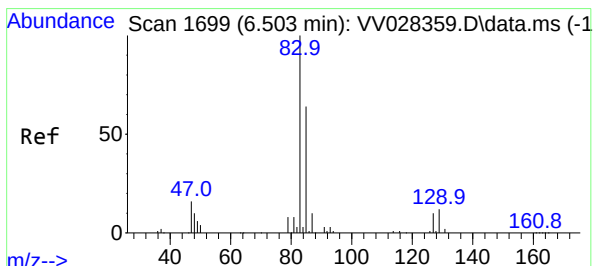
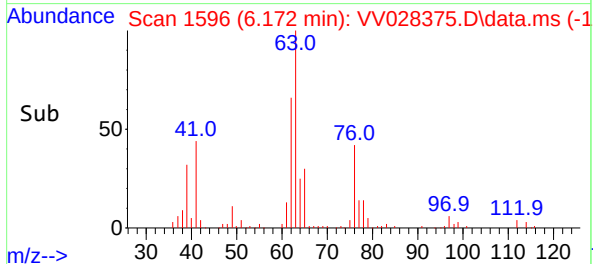
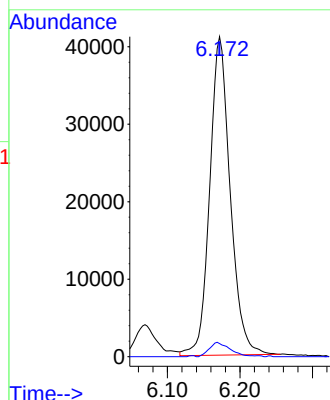
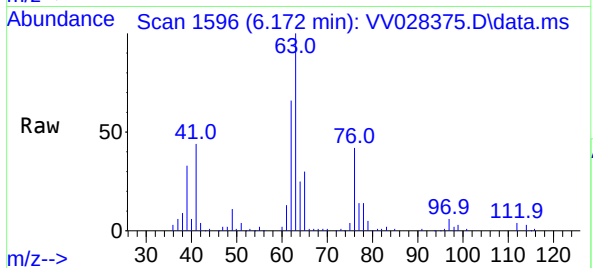




#37  
1,2-Dichloropropane  
Concen: 5.675 ug/L  
RT: 6.172 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

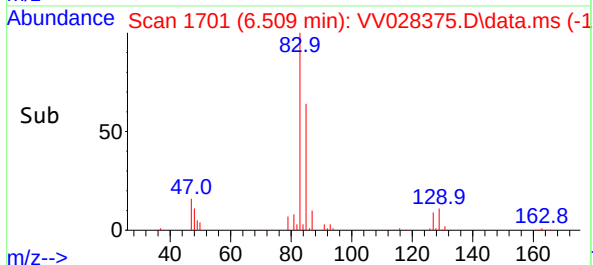
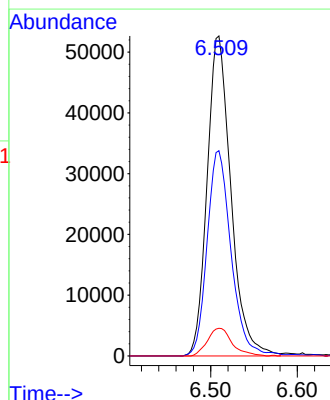
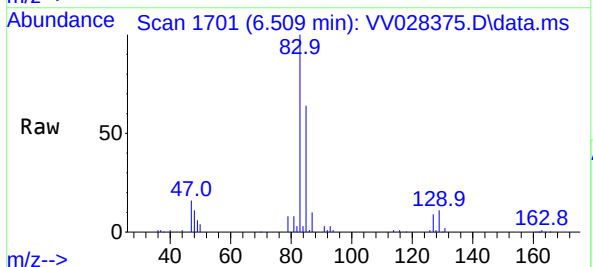
Instrument :  
MSVOA\_V  
ClientSampleId :

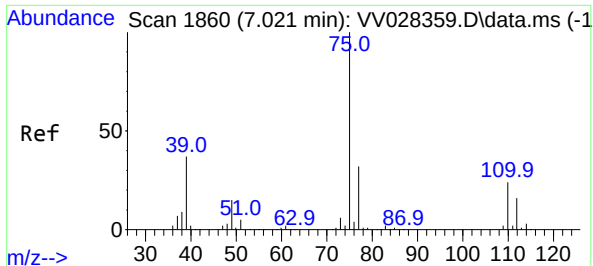
Tgt Ion: 63 Resp: 80698  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.5 5.3



#38  
Bromodichloromethane  
Concen: 5.133 ug/L  
RT: 6.509 min Scan# 1701  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 83 Resp: 100659  
Ion Ratio Lower Upper  
83 100  
85 64.2 43.8 81.4  
127 8.7 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.032 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

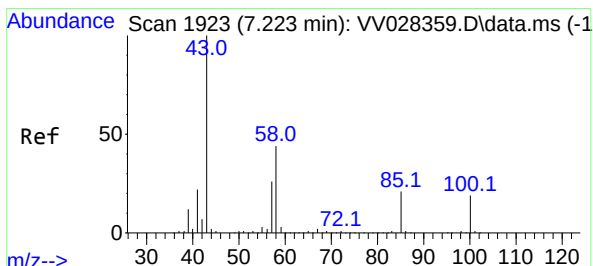
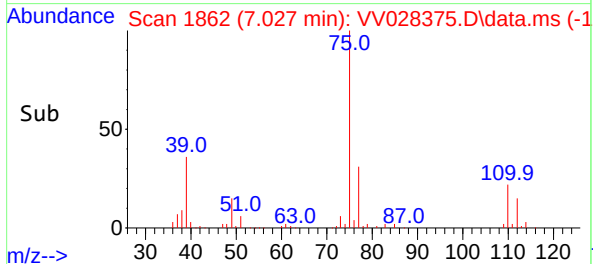
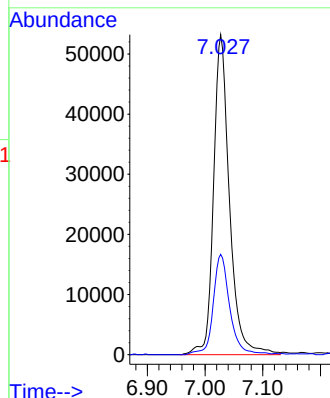
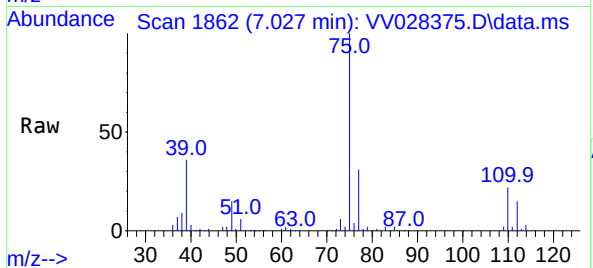
ClientSampleId :

Tgt Ion: 75 Resp: 102122

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 61.002 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

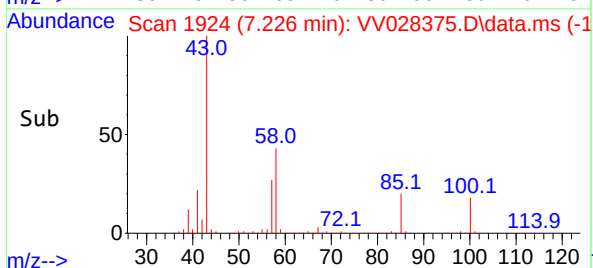
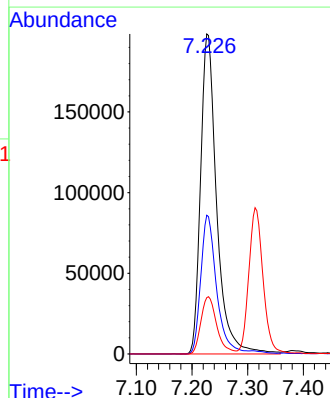
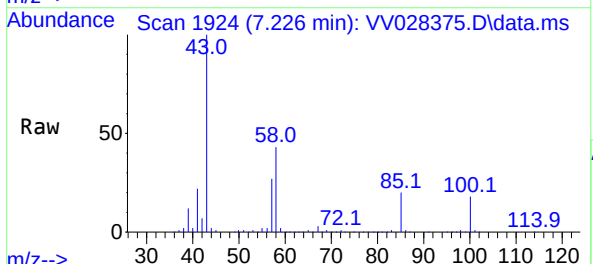
Tgt Ion: 43 Resp: 398516

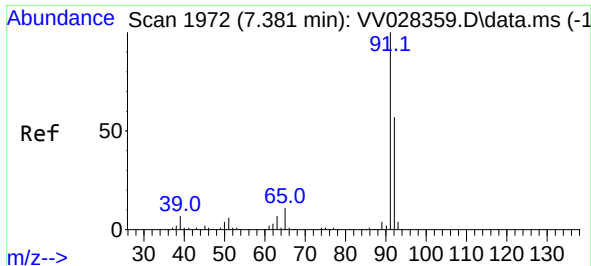
Ion Ratio Lower Upper

43 100

58 42.6 32.2 48.4

100 17.6 12.7 19.1

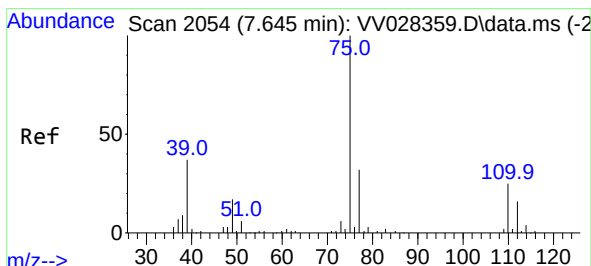
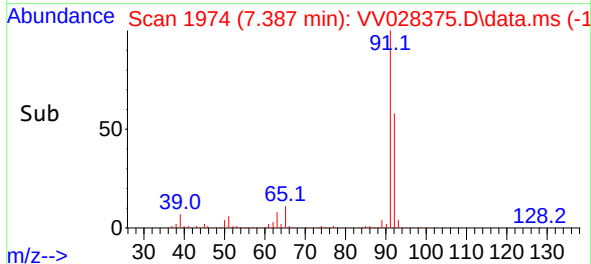
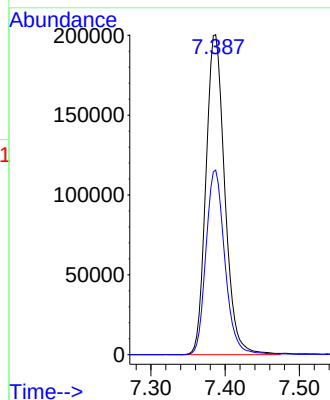
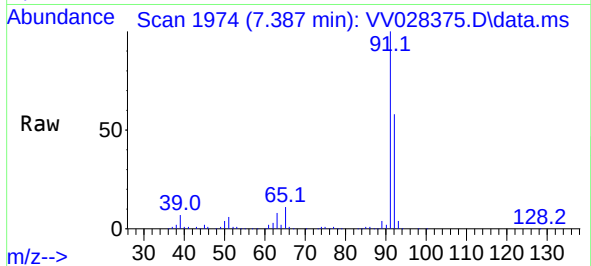




#42  
Toluene  
Concen: 5.464 ug/L  
RT: 7.387 min Scan# 1972  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

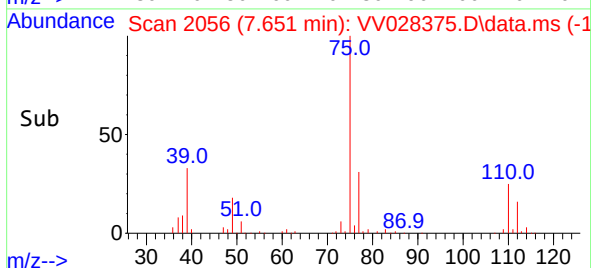
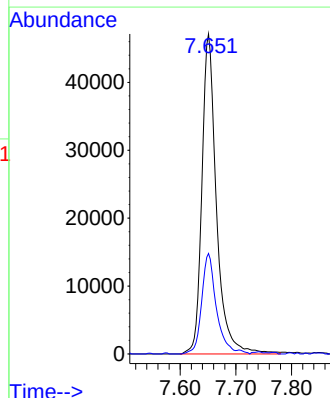
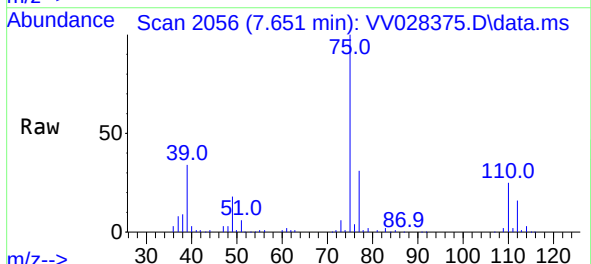
Instrument :  
MSVOA\_V  
ClientSampleId :

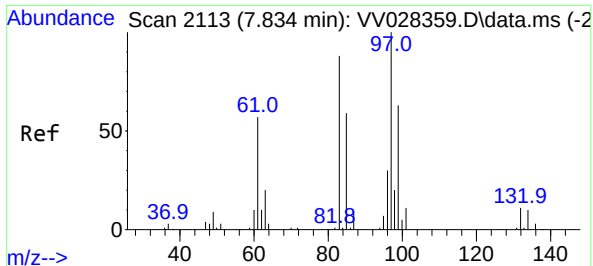
Tgt Ion: 91 Resp: 352992  
Ion Ratio Lower Upper  
91 100  
92 57.7 40.2 74.6



#44  
trans-1,3-Dichloropropene  
Concen: 4.965 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

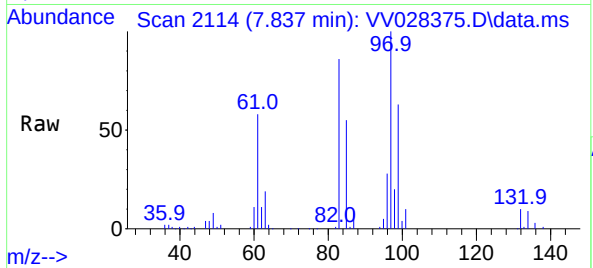
Tgt Ion: 75 Resp: 85616  
Ion Ratio Lower Upper  
75 100  
77 31.4 23.9 44.3





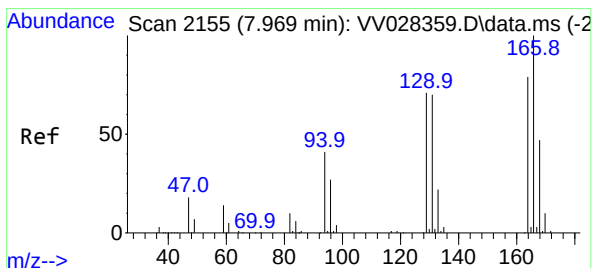
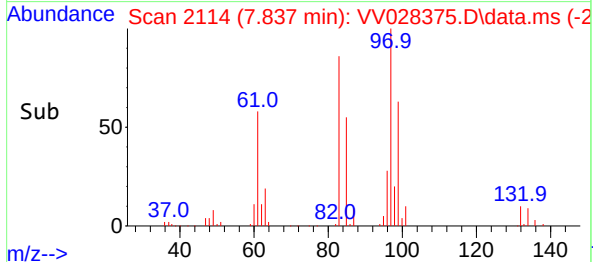
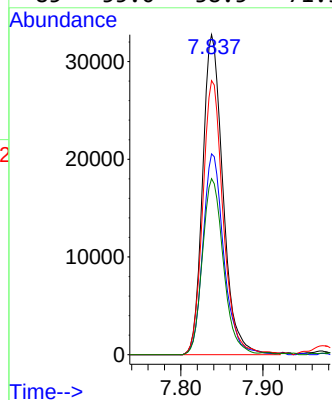
#45  
1,1,2-Trichloroethane  
Concen: 5.355 ug/L  
RT: 7.837 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 97 Resp: 56474

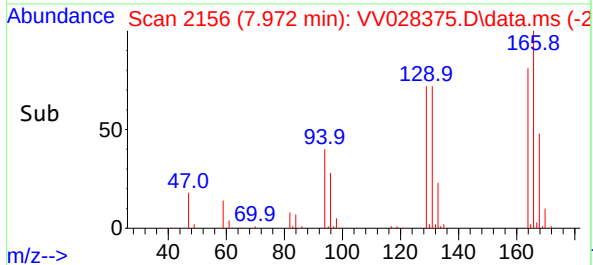
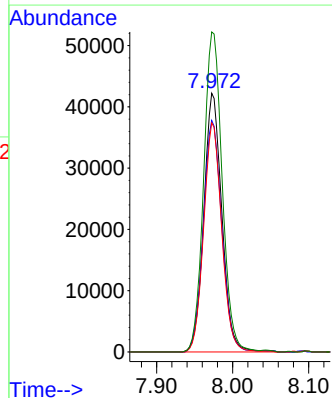
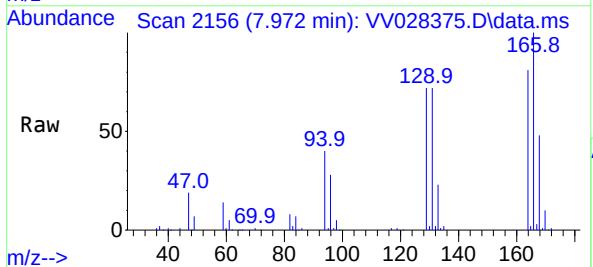
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.8  | 43.2  | 80.2  |
| 83  | 85.7  | 59.1  | 109.9 |
| 85  | 55.0  | 38.5  | 71.5  |

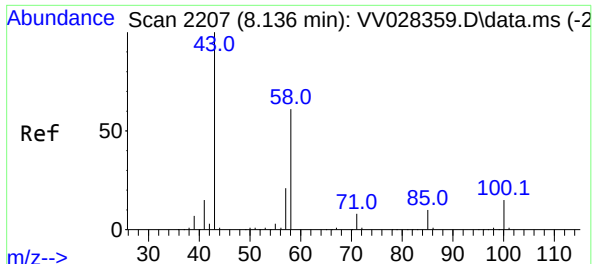


#47  
Tetrachloroethene  
Concen: 5.191 ug/L  
RT: 7.972 min Scan# 2156  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 164 Resp: 69746

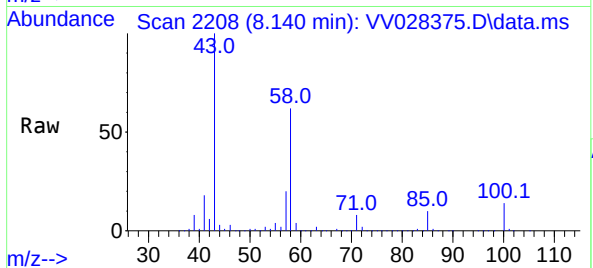
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.5  | 66.7  | 123.9 |
| 131 | 88.5  | 61.7  | 114.5 |
| 166 | 123.7 | 90.9  | 168.9 |



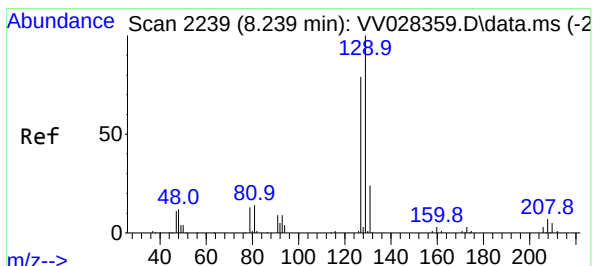
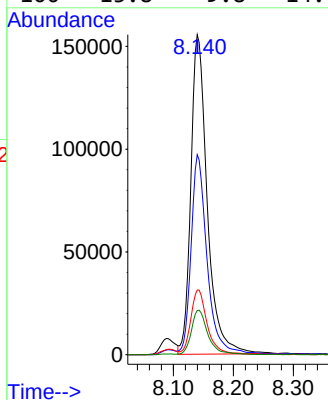
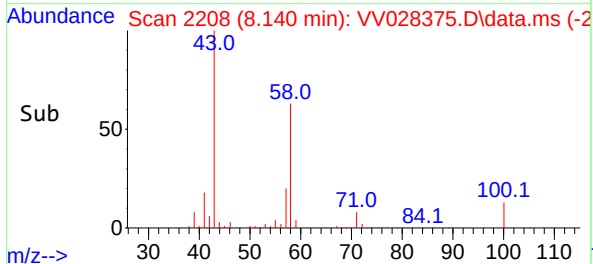


#48  
2-Hexanone  
Concen: 64.687 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :

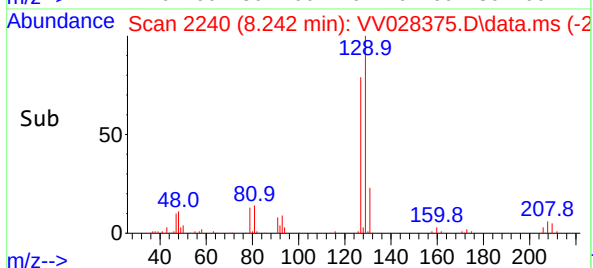
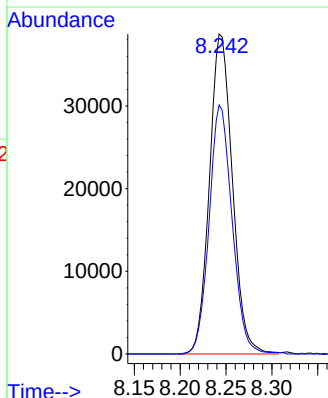
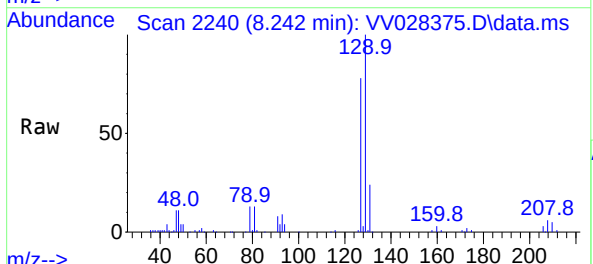


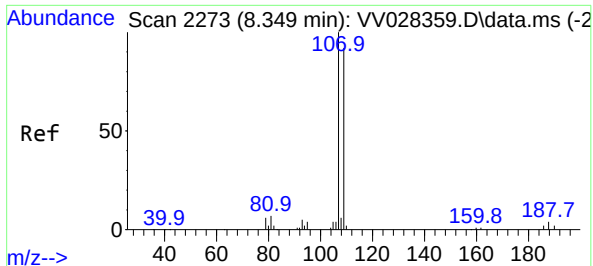
Tgt Ion: 43 Resp: 295976  
Ion Ratio Lower Upper  
43 100  
58 60.5 45.7 68.5  
57 20.0 15.5 23.3  
100 13.8 9.8 14.6



#49  
Dibromochloromethane  
Concen: 5.056 ug/L  
RT: 8.242 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 129 Resp: 67495  
Ion Ratio Lower Upper  
129 100  
127 77.8 54.3 100.9

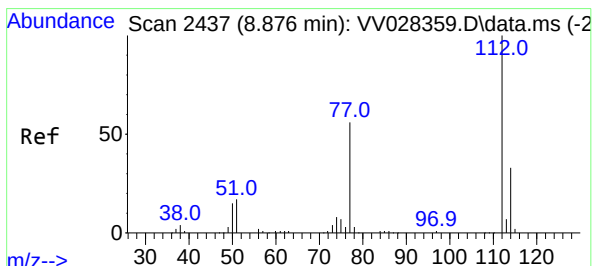
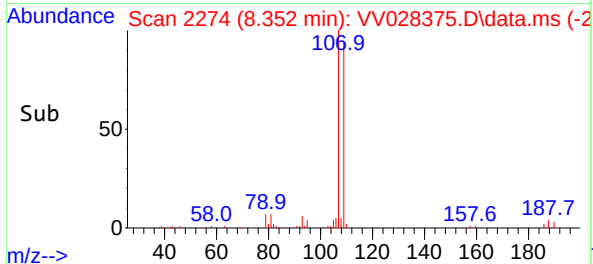
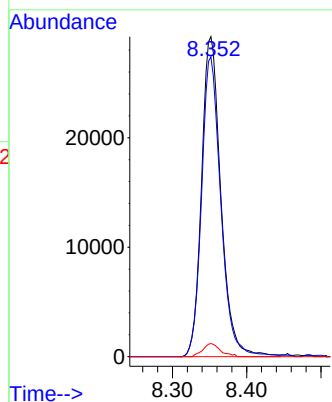
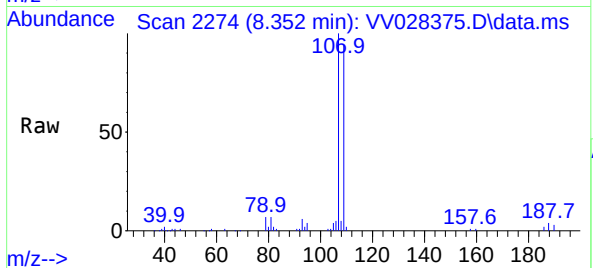




#50  
1,2-Dibromoethane  
Concen: 5.569 ug/L  
RT: 8.352 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

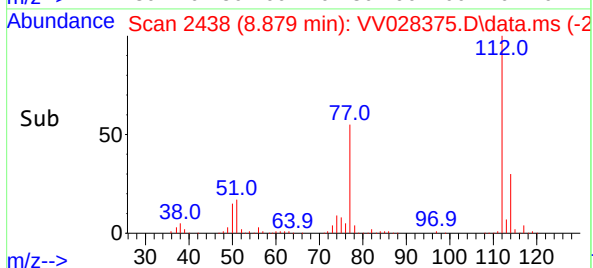
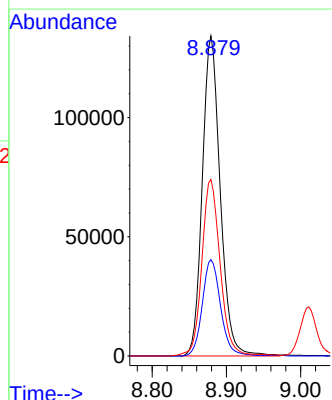
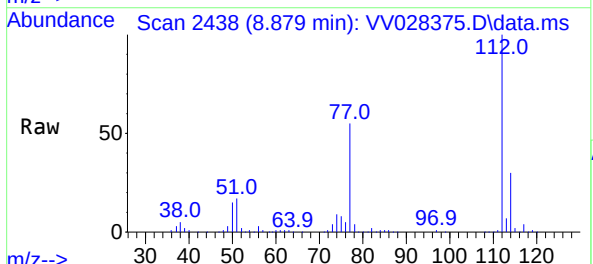
Instrument :  
MSVOA\_V  
ClientSampleId :

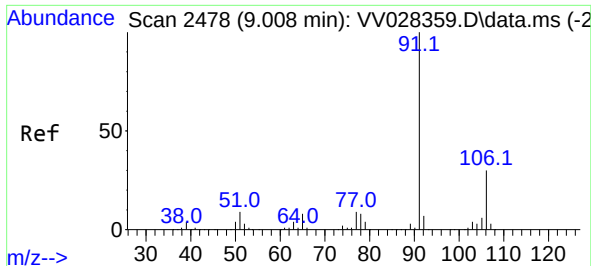
Tgt Ion:107 Resp: 52851  
Ion Ratio Lower Upper  
107 100  
109 93.7 65.9 122.5  
188 4.1 3.4 5.0



#51  
Chlorobenzene  
Concen: 5.236 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. -0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion:112 Resp: 224937  
Ion Ratio Lower Upper  
112 100  
114 30.1 22.5 41.7  
77 55.1 46.1 69.1

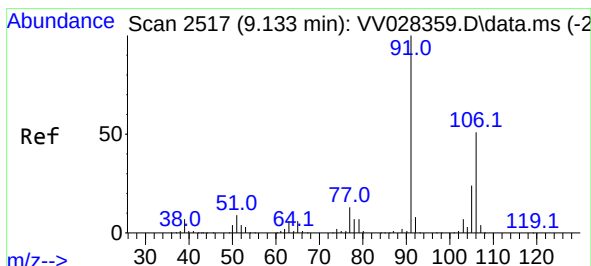
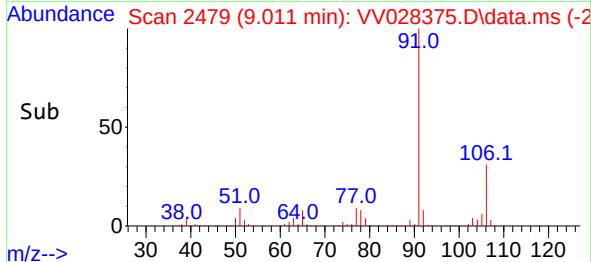
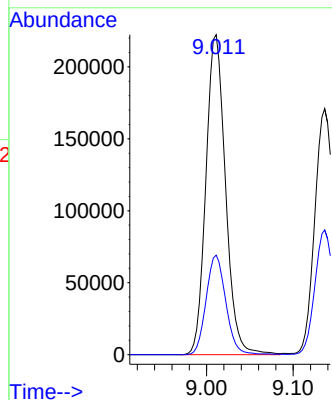
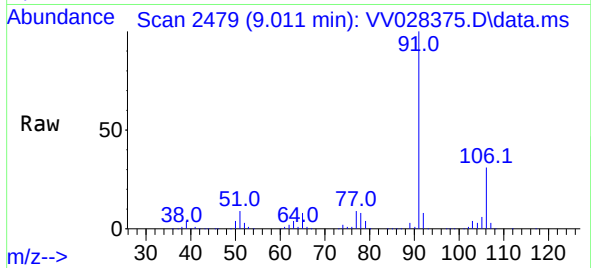




#52  
Ethylbenzene  
Concen: 5.160 ug/L  
RT: 9.011 min Scan# 2478  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

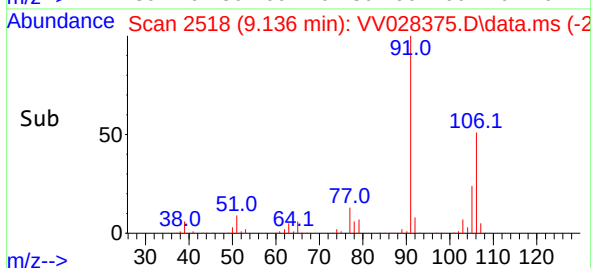
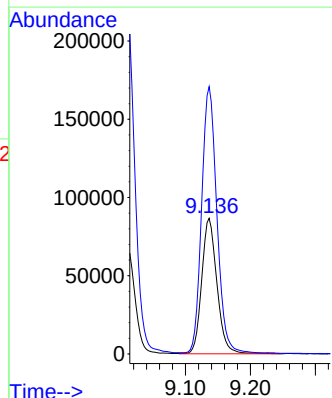
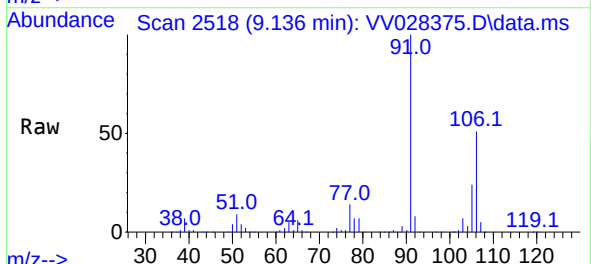
Instrument :  
MSVOA\_V  
ClientSampleId :

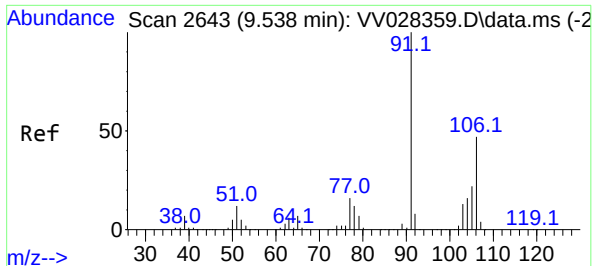
Tgt Ion: 91 Resp: 350299  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.5 39.9



#53  
m,p-Xylene  
Concen: 5.221 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. 0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 106 Resp: 141304  
Ion Ratio Lower Upper  
106 100  
91 197.1 141.9 263.5





#54

o-Xylene

Concen: 5.205 ug/L

RT: 9.541 min Scan# 2644

Delta R.T. -0.000 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

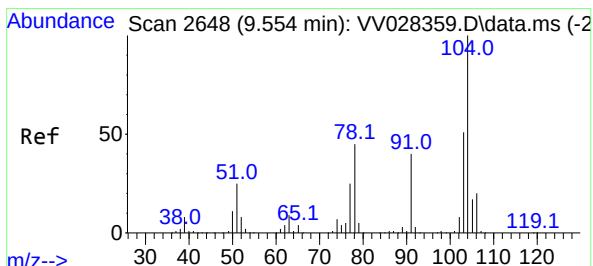
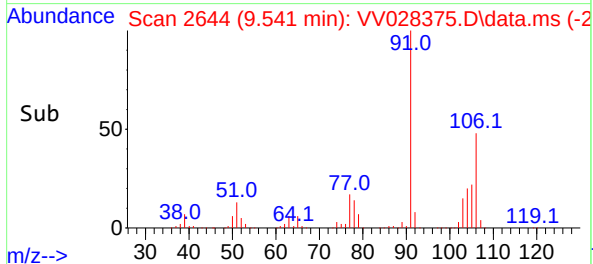
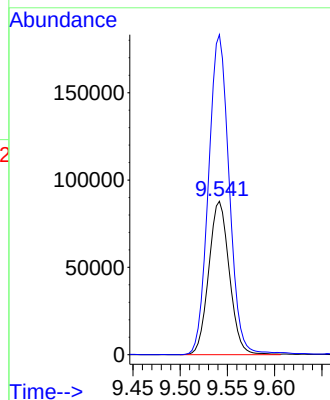
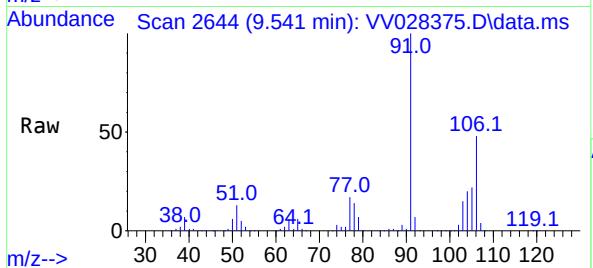
ClientSampleId :

Tgt Ion:106 Resp: 133245

Ion Ratio Lower Upper

106 100

91 208.5 148.1 275.0



#55

Styrene

Concen: 5.408 ug/L

RT: 9.558 min Scan# 2649

Delta R.T. -0.000 min

Lab File: VV028375.D

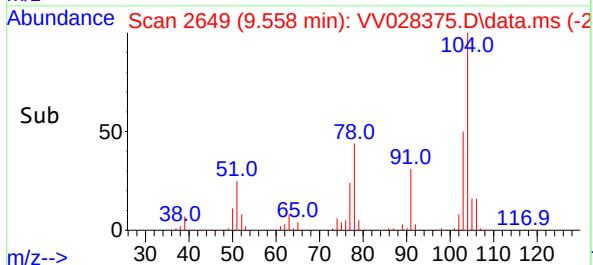
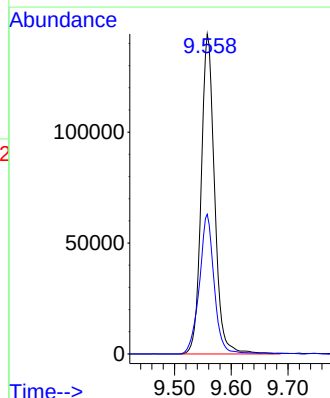
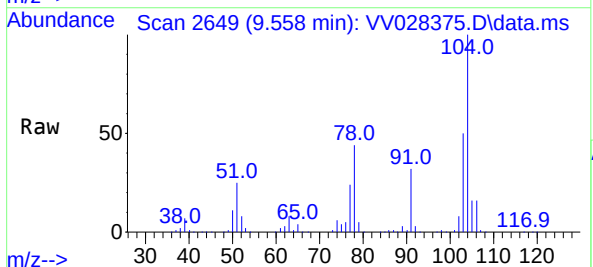
Acq: 05 Oct 2022 17:45

Tgt Ion:104 Resp: 237915

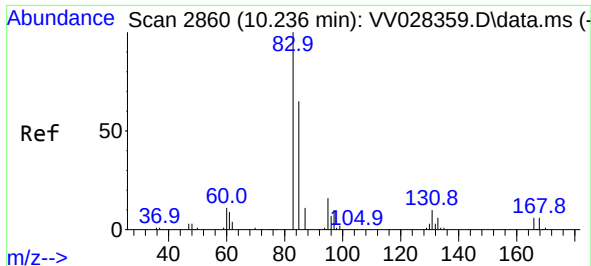
Ion Ratio Lower Upper

104 100

78 43.7 31.0 57.6







#57

1,1,2,2-Tetrachloroethane

Concen: 5.712 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

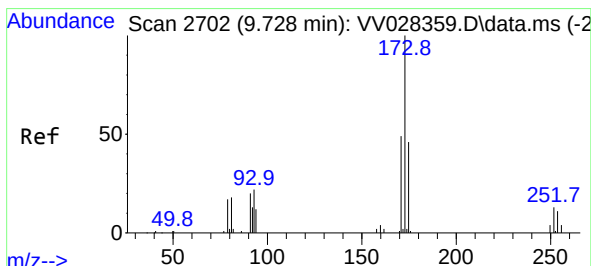
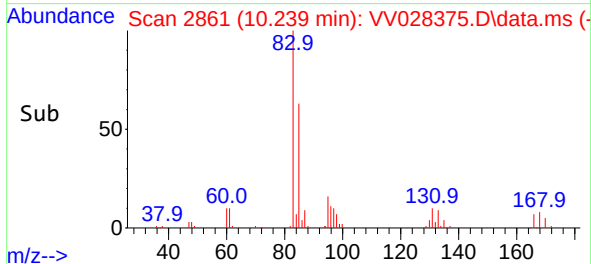
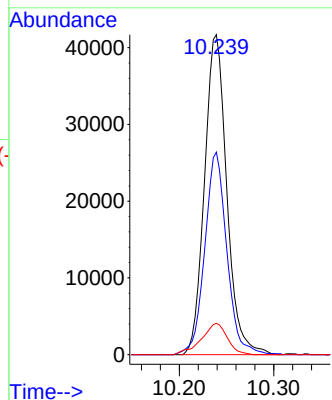
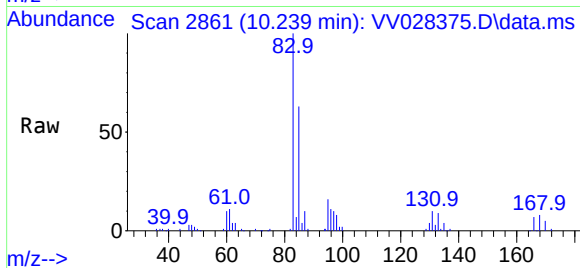
Tgt Ion: 83 Resp: 68347

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

131 9.8 7.8 11.8



#59

Bromoform

Concen: 4.845 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

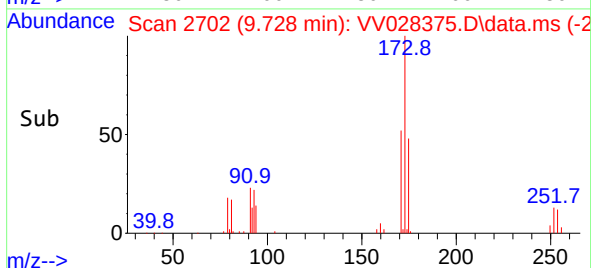
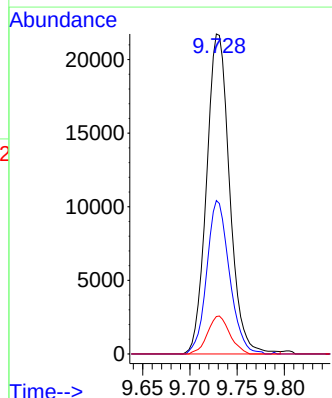
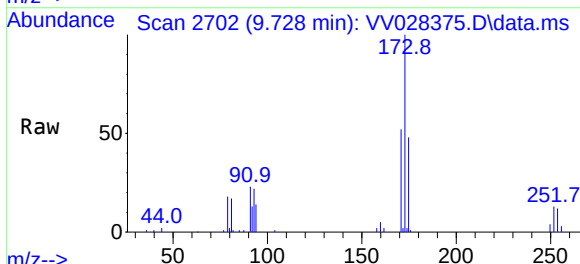
Tgt Ion: 173 Resp: 36873

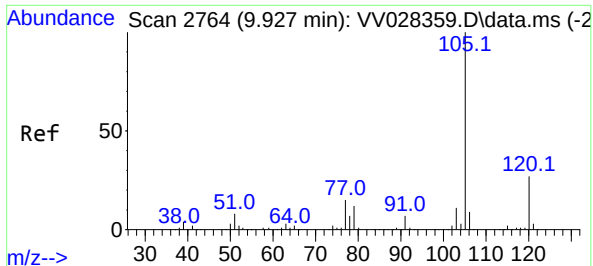
Ion Ratio Lower Upper

173 100

175 47.1 39.0 58.4

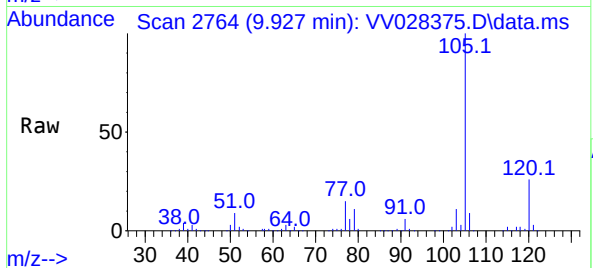
254 11.4 8.7 13.1



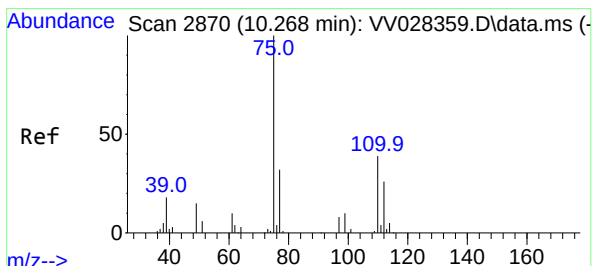
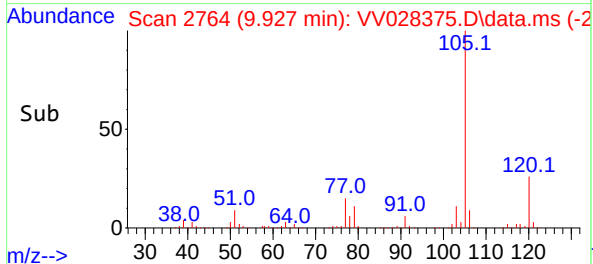
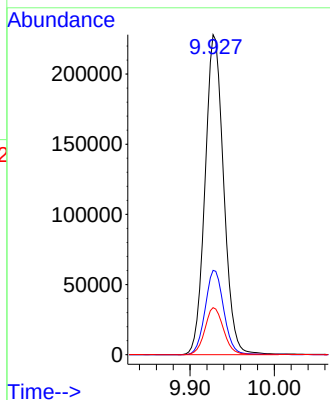


#60  
Isopropylbenzene  
Concen: 4.961 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :

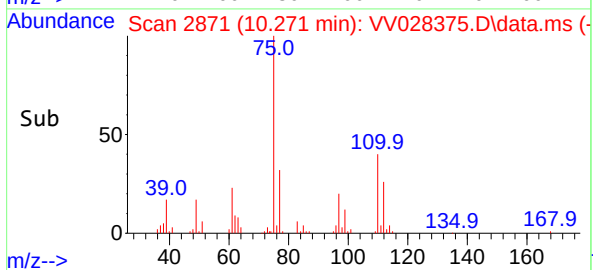
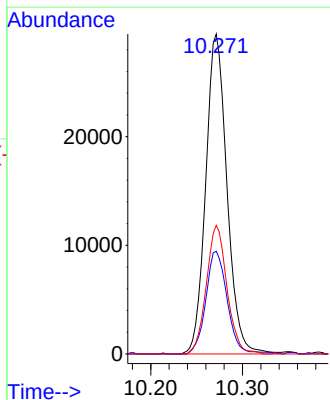
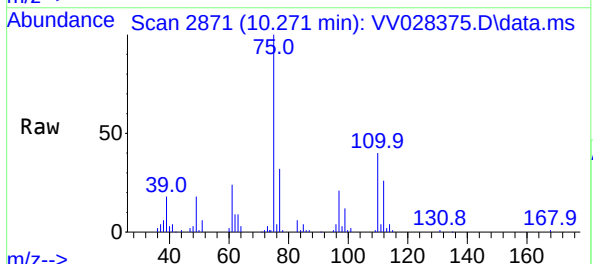


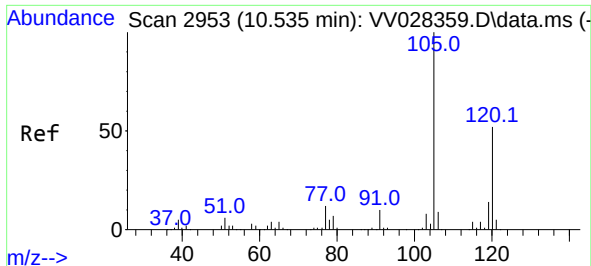
Tgt Ion:105 Resp: 350729  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.4 32.0  
77 14.8 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 5.327 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion: 75 Resp: 47493  
Ion Ratio Lower Upper  
75 100  
77 32.4 26.7 40.1  
110 39.0 30.1 45.1





#62

1,3,5-Trimethylbenzene

Concen: 4.684 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.000 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

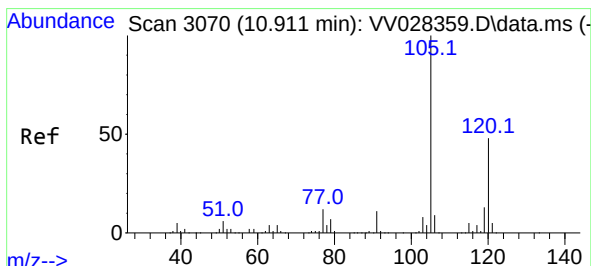
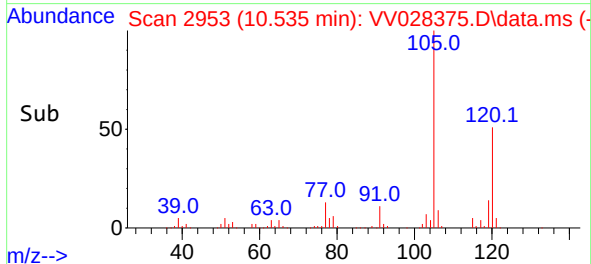
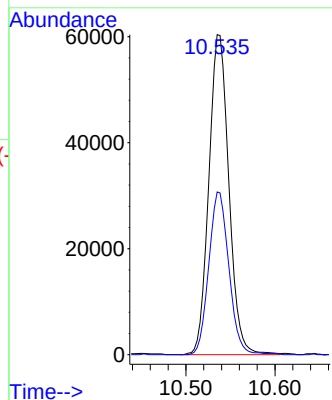
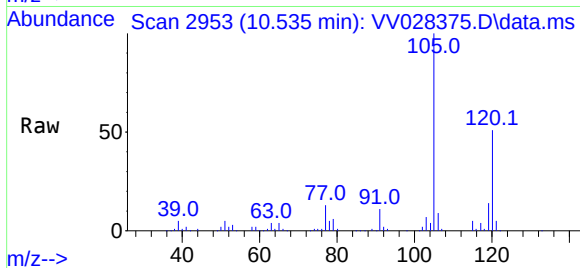
ClientSampleId :

Tgt Ion:105 Resp: 94101

Ion Ratio Lower Upper

105 100

120 50.9 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 4.690 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV028375.D

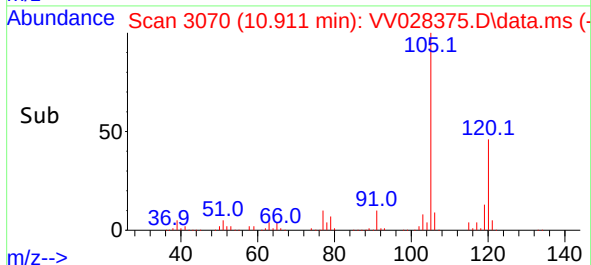
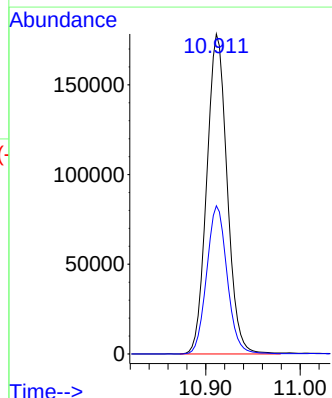
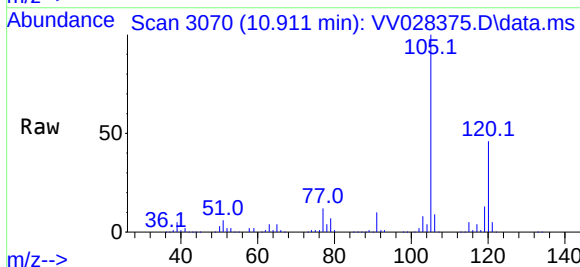
Acq: 05 Oct 2022 17:45

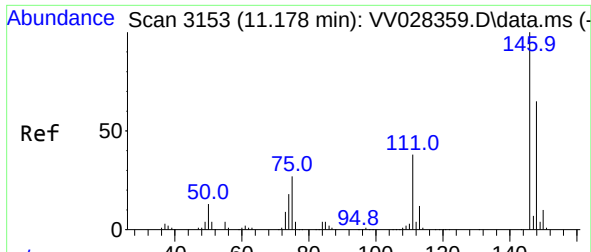
Tgt Ion:105 Resp: 267055

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.8

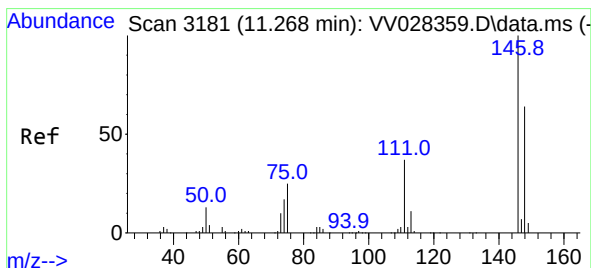
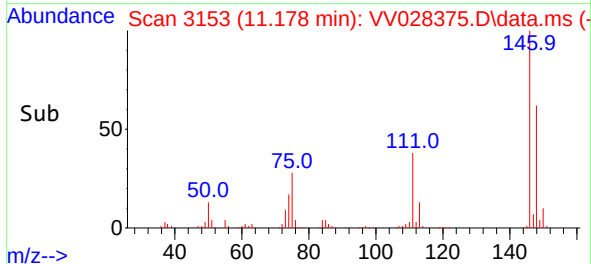
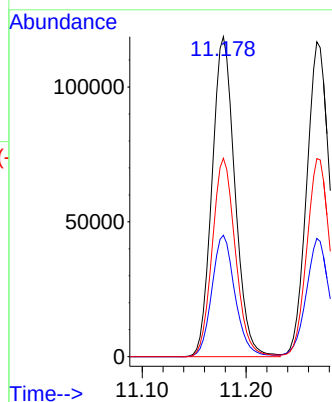
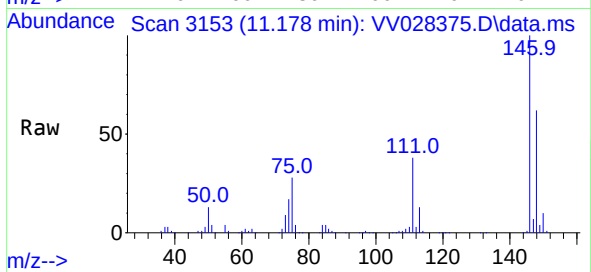




#64  
1,3-Dichlorobenzene  
Concen: 5.229 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

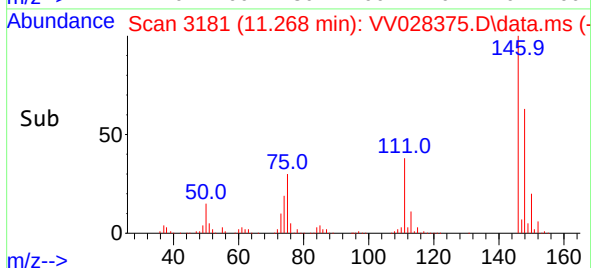
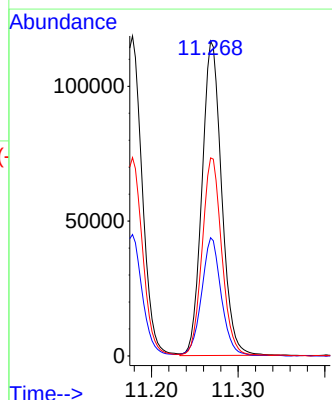
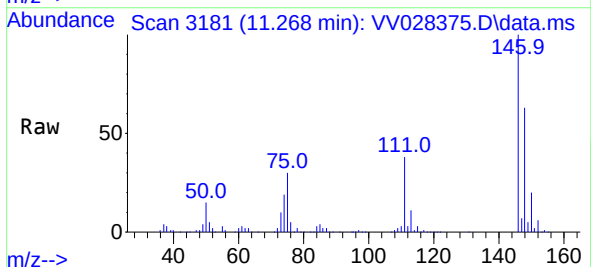
Instrument :  
MSVOA\_V  
ClientSampleId :

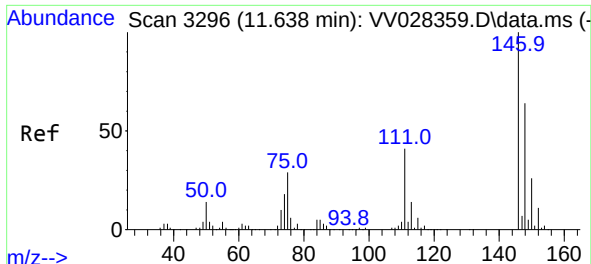
Tgt Ion:146 Resp: 181608  
Ion Ratio Lower Upper  
146 100  
111 38.0 27.1 50.3  
148 62.0 45.7 84.9



#65  
1,4-Dichlorobenzene  
Concen: 5.285 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.000 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion:146 Resp: 183797  
Ion Ratio Lower Upper  
146 100  
111 37.5 26.2 48.8  
148 62.9 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.307 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

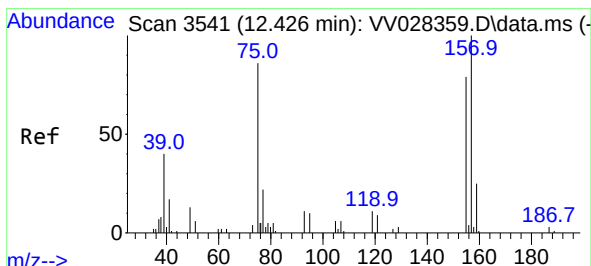
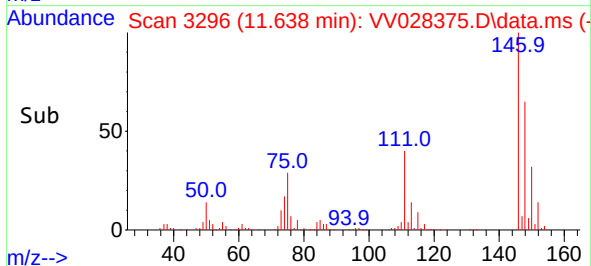
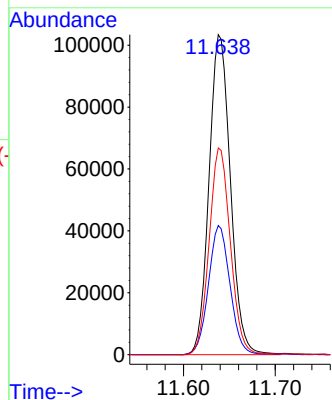
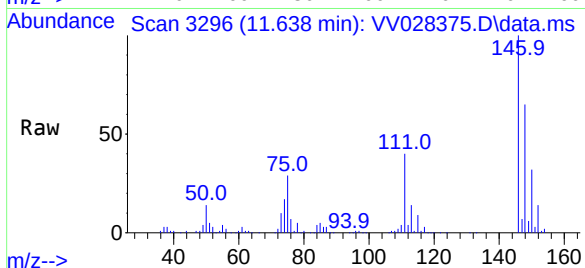
Tgt Ion:146 Resp: 167198

Ion Ratio Lower Upper

146 100

111 40.4 32.6 49.0

148 64.6 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.684 ug/L

RT: 12.422 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VV028375.D

Acq: 05 Oct 2022 17:45

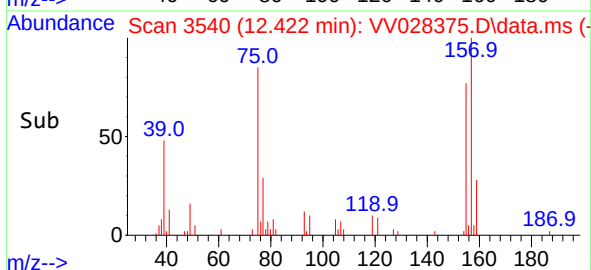
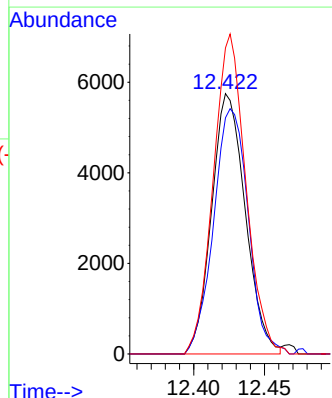
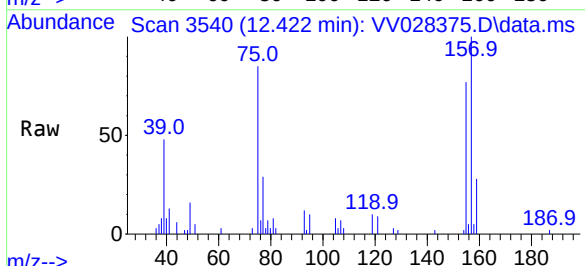
Tgt Ion: 75 Resp: 9513

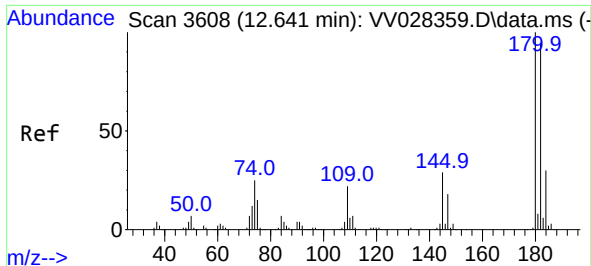
Ion Ratio Lower Upper

75 100

155 90.7 73.6 110.4

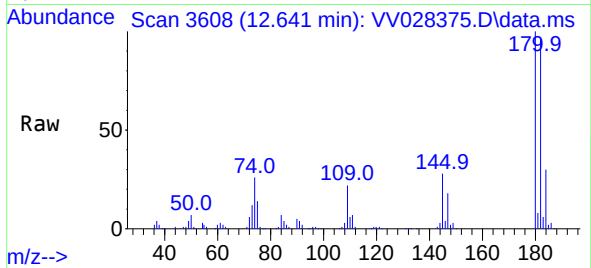
157 117.6 90.7 136.1



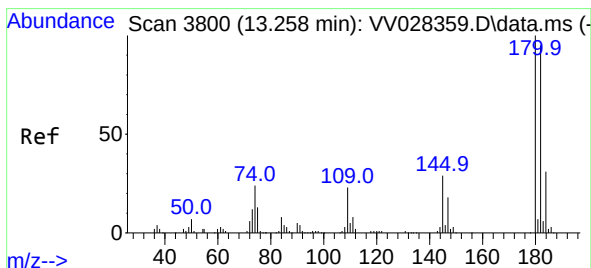
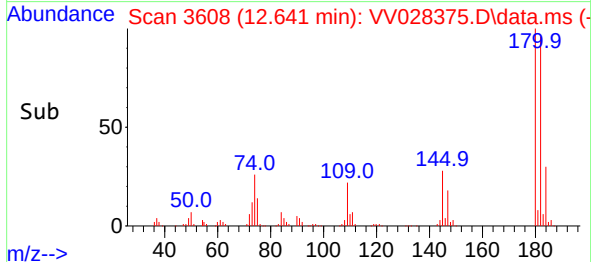
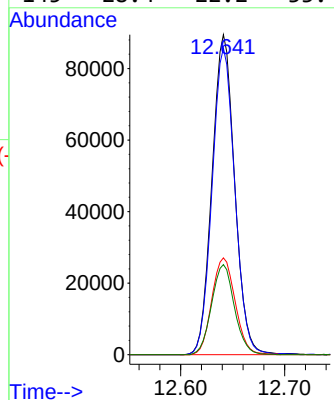


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.922 ug/L  
 RT: 12.641 min Scan# 3799  
 Delta R.T. -0.000 min  
 Lab File: VV028375.D  
 Acq: 05 Oct 2022 17:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :

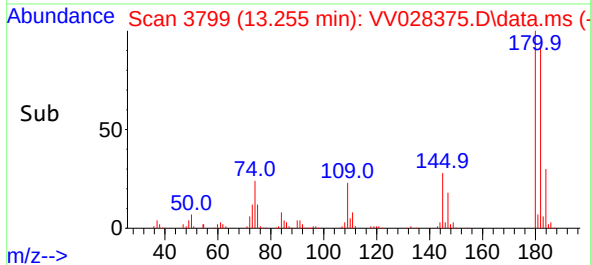
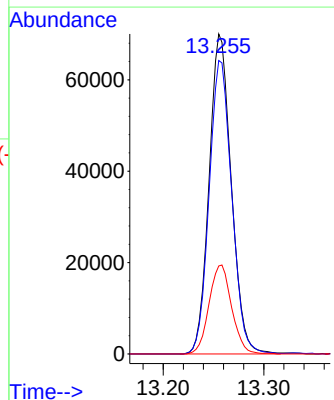
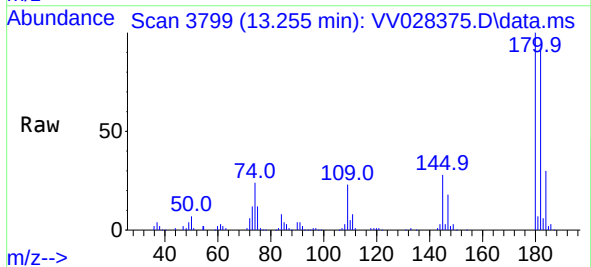


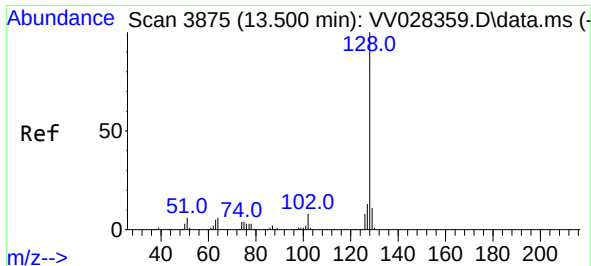
Tgt Ion:180 Resp: 135217  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 75.5 113.3  
 184 31.3 23.7 35.5  
 145 28.4 22.2 33.4



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.112 ug/L  
 RT: 13.255 min Scan# 3799  
 Delta R.T. -0.003 min  
 Lab File: VV028375.D  
 Acq: 05 Oct 2022 17:45

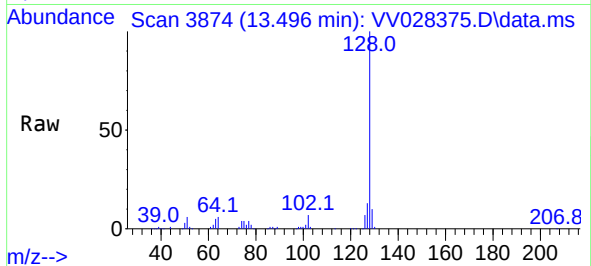
Tgt Ion:180 Resp: 107027  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 76.3 114.5  
 145 28.4 22.9 34.3



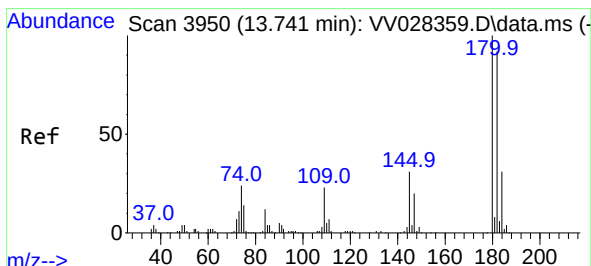
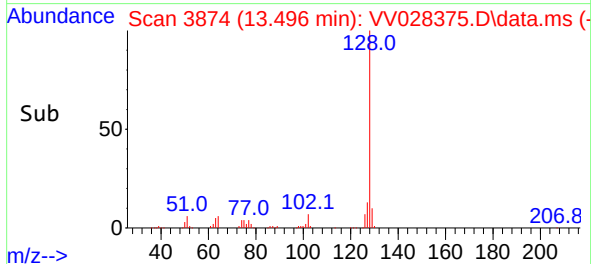
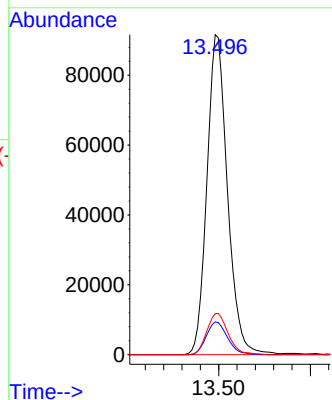


#71  
Naphthalene  
Concen: 4.356 ug/L  
RT: 13.496 min Scan# 3948  
Delta R.T. -0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 142451  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.2 12.2  
127 13.4 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 4.920 ug/L  
RT: 13.737 min Scan# 3949  
Delta R.T. -0.003 min  
Lab File: VV028375.D  
Acq: 05 Oct 2022 17:45

Tgt Ion:180 Resp: 92864  
Ion Ratio Lower Upper  
180 100  
182 97.2 77.4 116.0  
145 30.8 24.6 36.8

