

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092922\  
 Data File : VW028192.D  
 Acq On : 29 Sep 2022 17:20  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

Quant Time: Sep 30 01:49:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 161492   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 146187   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 81403    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 76227    | 4.553    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.000%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 60443    | 4.541    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.102  | 63    | 124595   | 4.291    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.800%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 133187   | 47.120   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.240%  |
| 24) Chloroform-d              | 4.343  | 84    | 133392   | 4.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 61038    | 4.801    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 32) Benzene-d6                | 5.044  | 84    | 262511   | 5.477    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 109.600% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 75365    | 5.043    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.800% |
| 41) Toluene-d8                | 7.310  | 98    | 246966   | 5.692    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 113.800% |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 27420    | 5.080    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 101.600% |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 108020   | 47.947   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 51367    | 5.029    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 78715    | 4.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 59135    | 4.903    | ug/L   | 93       |
| 3) Chloromethane              | 1.237  | 50    | 49923    | 3.125    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.304  | 62    | 63371    | 5.060    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 38231    | 4.688    | ug/L   | 99       |
| 8) Chloroethane               | 1.581  | 64    | 40355    | 4.805    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.745  | 101   | 102396   | 5.150    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101   | 60034    | 5.239    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 51052    | 4.574    | ug/L   | 90       |
| 13) Acetone                   | 2.182  | 43    | 83062    | 38.152   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.285  | 76    | 96920    | 4.525    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43    | 20293    | 4.802    | ug/L # | 88       |
| 16) Methylene chloride        | 2.500  | 84    | 67493    | 5.417    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 123600   | 5.148    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 49819    | 5.099    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 109641   | 5.144    | ug/L   | 100      |
| 21) 2-Butanone                | 3.973  | 43    | 124278   | 46.107   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 64046    | 4.996    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.243  | 128   | 28032    | 5.461    | ug/L # | 87       |
| 25) Chloroform                | 4.368  | 83    | 120294   | 5.260    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092922\  
 Data File : VV028192.D  
 Acq On : 29 Sep 2022 17:20  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

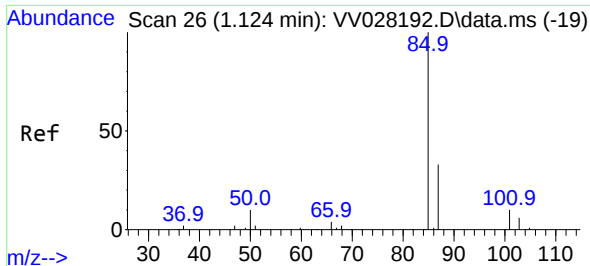
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

Quant Time: Sep 30 01:49:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 60167    | 4.934  | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 101605   | 5.657  | ug/L   | 97       |
| 30) Cyclohexane               | 4.671  | 56   | 63423    | 4.882  | ug/L   | 90       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 86564    | 5.856  | ug/L   | 99       |
| 33) Benzene                   | 5.092  | 78   | 230124   | 5.669  | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 57013    | 5.642  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.127  | 83   | 75334    | 5.436  | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 58734    | 5.161  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.506  | 83   | 78404    | 5.580  | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 75777    | 5.361  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 292664   | 52.958 | ug/L   | 95       |
| 42) Toluene                   | 7.384  | 91   | 240389   | 5.677  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 64399    | 5.297  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 43768    | 5.738  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.973  | 164  | 45984    | 5.701  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.137  | 43   | 198069   | 47.212 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.243  | 129  | 50798    | 5.538  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 35687    | 5.383  | ug/L   | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 149389   | 5.260  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.008  | 91   | 225952   | 5.044  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.137  | 106  | 91704    | 5.342  | ug/L   | 96       |
| 54) o-Xylene                  | 9.542  | 106  | 86706    | 5.114  | ug/L   | 96       |
| 55) Styrene                   | 9.558  | 104  | 154104   | 5.246  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 45343    | 5.101  | ug/L   | 98       |
| 59) Bromoform                 | 9.728  | 173  | 26692    | 5.165  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.928  | 105  | 244279   | 5.112  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 32189    | 4.715  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 64983    | 4.828  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 183570   | 4.879  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 131812   | 5.544  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 125897   | 5.292  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 117861   | 5.248  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 6749     | 4.510  | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 98752    | 5.248  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.255 | 180  | 80803    | 5.369  | ug/L   | 99       |
| 71) Naphthalene               | 13.497 | 128  | 113910   | 4.622  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 68842    | 5.057  | ug/L   | 99       |

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

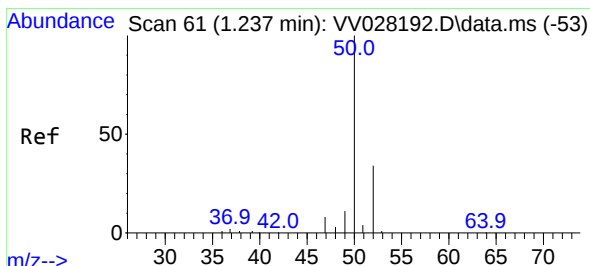
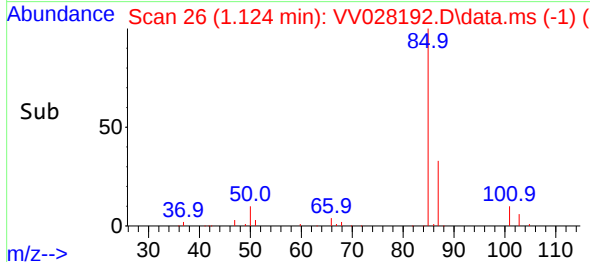
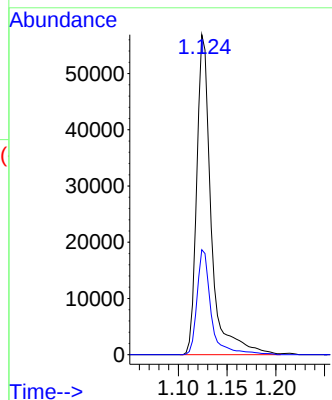
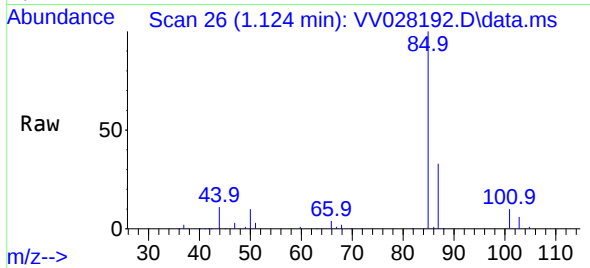




#2  
 Dichlorodifluoromethane  
 Concen: 4.903 ug/L  
 RT: 1.124 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

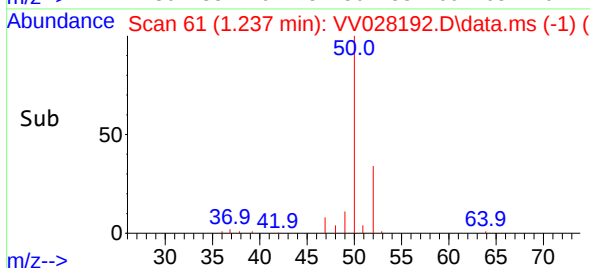
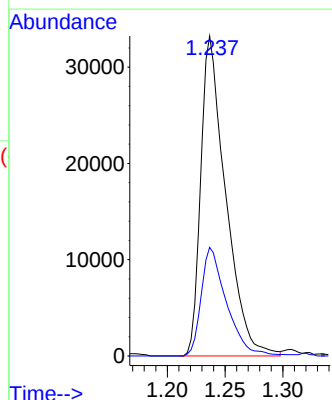
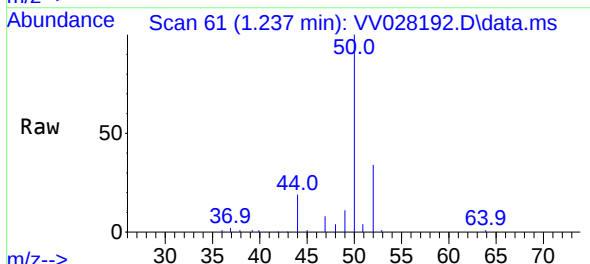
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

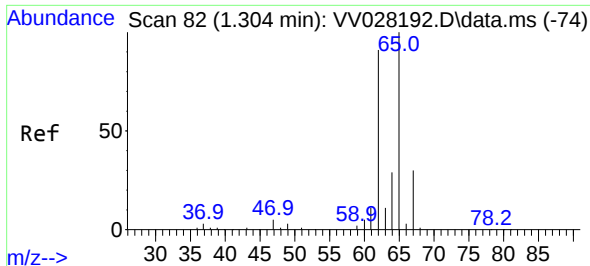
Tgt Ion: 85 Resp: 59135  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 22.8 34.2



#3  
 Chloromethane  
 Concen: 3.125 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

Tgt Ion: 50 Resp: 49923  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 24.4 45.2



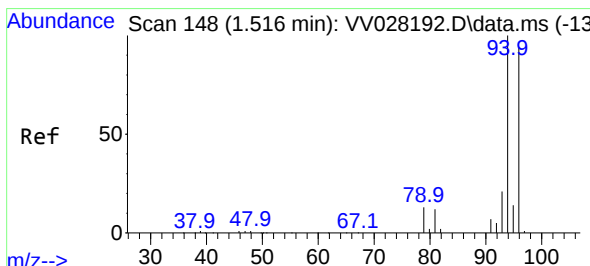
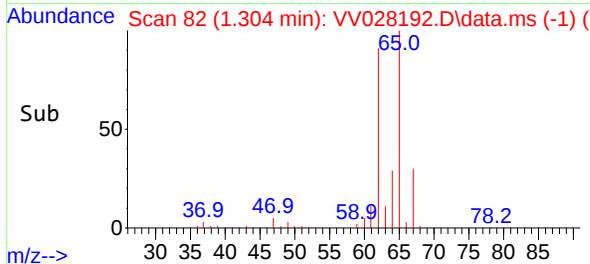
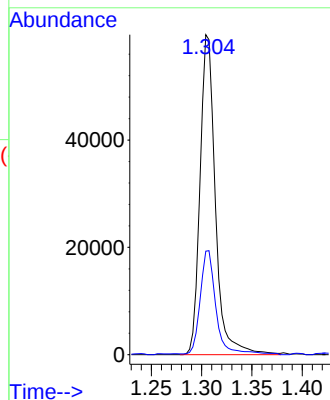
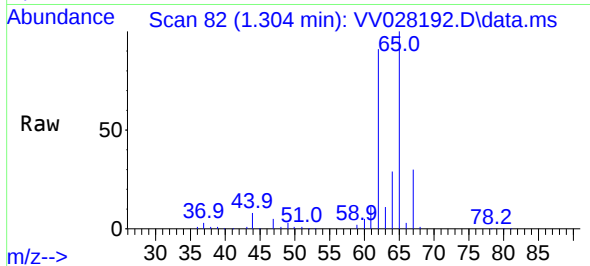


#5  
 Vinyl chloride  
 Concen: 5.060 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

Tgt Ion: 62 Resp: 63371

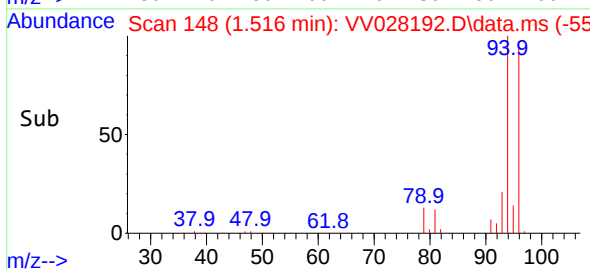
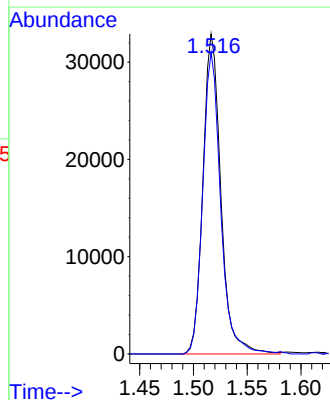
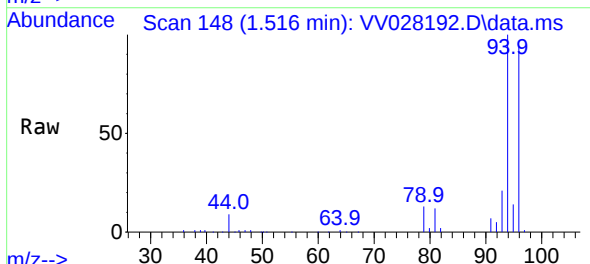
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 32.4  | 23.0  | 42.8  |

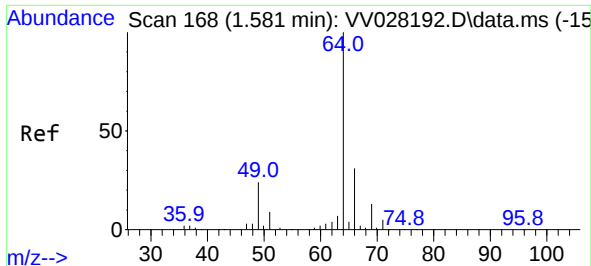


#6  
 Bromomethane  
 Concen: 4.688 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

Tgt Ion: 94 Resp: 38231

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 96  | 94.2  | 66.7  | 123.9 |

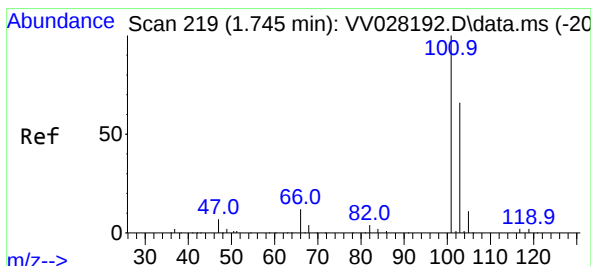
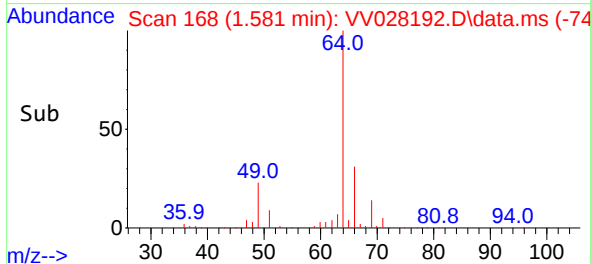
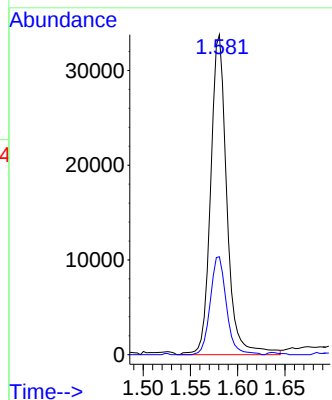
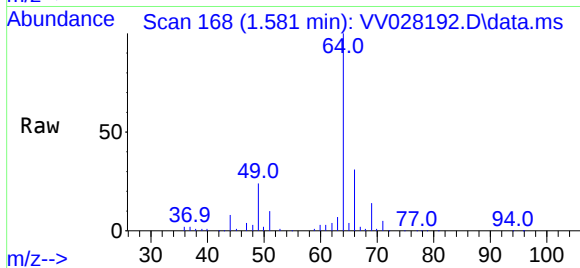




#8  
Chloroethane  
Concen: 4.805 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

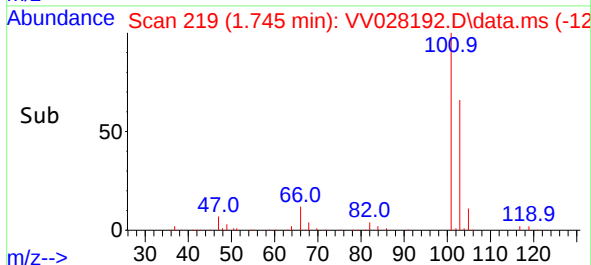
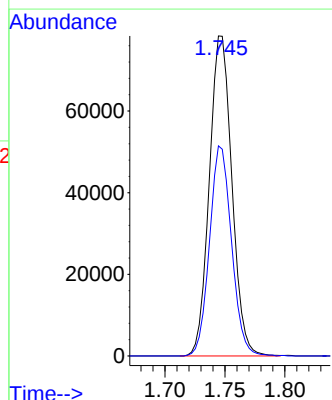
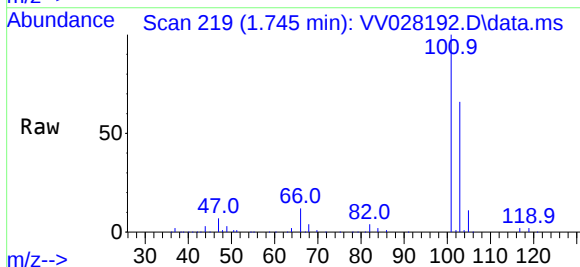
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MSVOA\_V  
ClientSampleId :  
VSTD005310

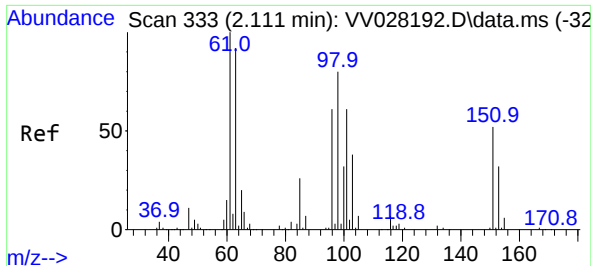
Tgt Ion: 64 Resp: 40355  
Ion Ratio Lower Upper  
64 100  
66 30.6 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 5.150 ug/L  
RT: 1.745 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:101 Resp: 102396  
Ion Ratio Lower Upper  
101 100  
103 64.1 51.4 77.0

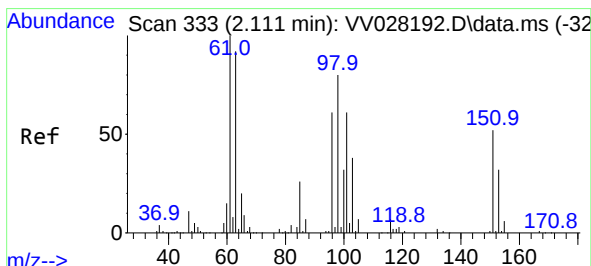
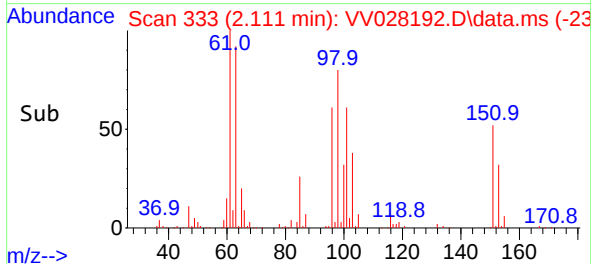
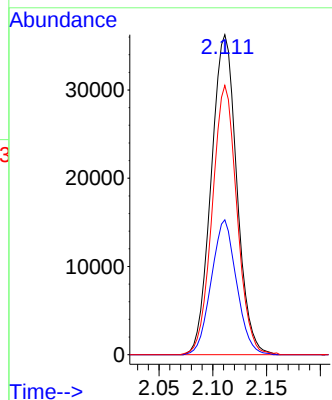
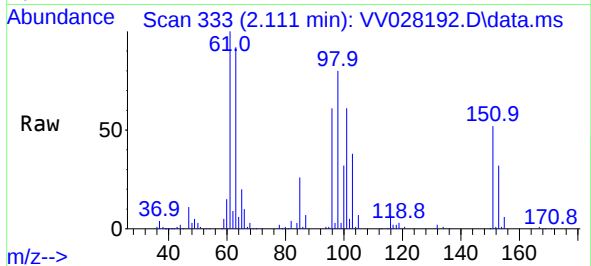




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.239 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.003 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

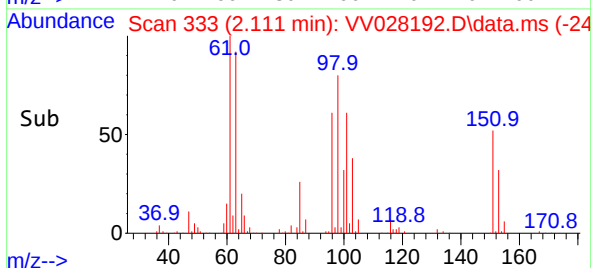
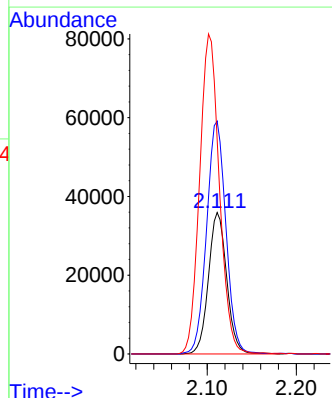
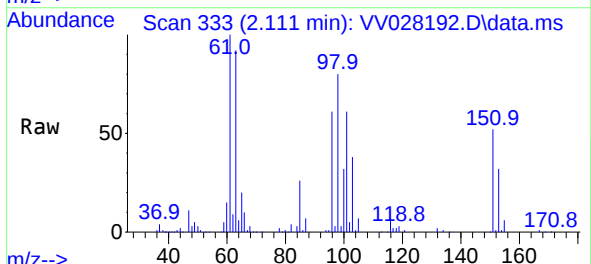
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

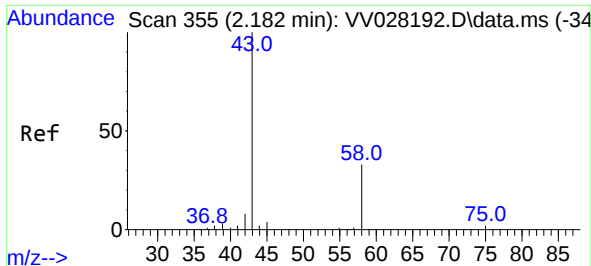
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 Ion Ratio Lower Upper  
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 151 81.4 61.1 91.7



#12  
 1,1-Dichloroethene  
 Concen: 4.574 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

Tgt Ion: 96 Resp: 51052  
 Ion Ratio Lower Upper  
 96 100  
 61 164.6 128.3 238.3  
 63 151.5 112.7 209.3

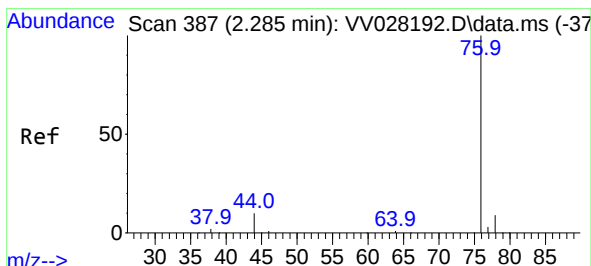
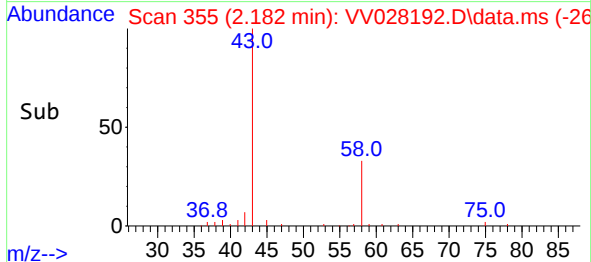
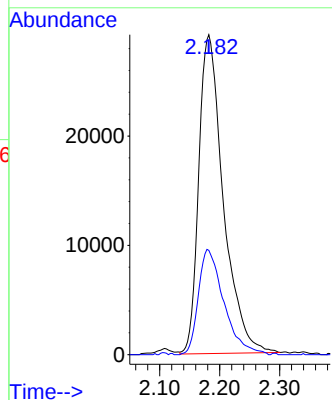
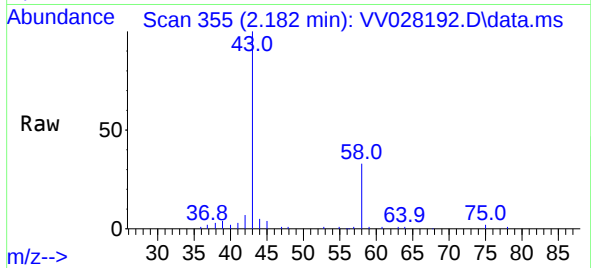




#13  
Acetone  
Concen: 38.152 ug/L  
RT: 2.182 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

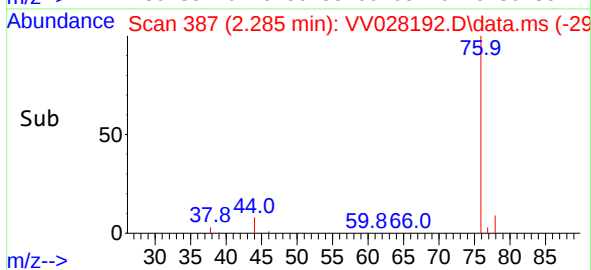
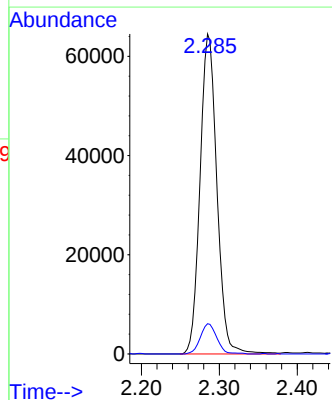
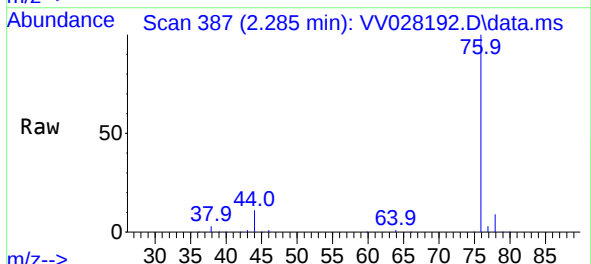
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

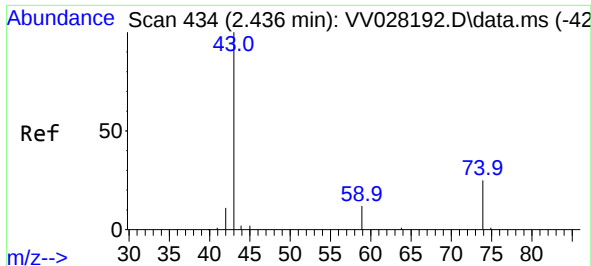
Tgt Ion: 43 Resp: 83062  
Ion Ratio Lower Upper  
43 100  
58 34.4 0.0 65.6



#14  
Carbon disulfide  
Concen: 4.525 ug/L  
RT: 2.285 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 76 Resp: 96920  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.6 11.4





#15

Methyl Acetate

Concen: 4.802 ug/L

RT: 2.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

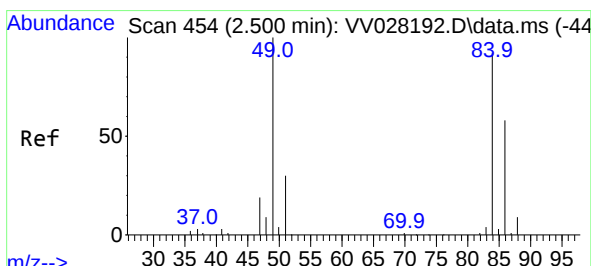
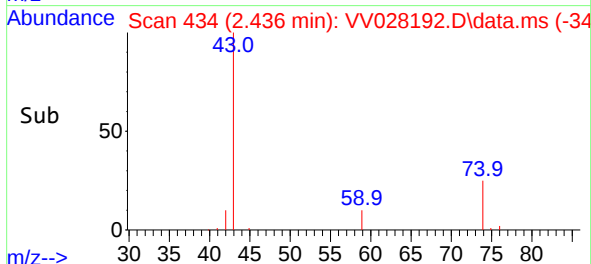
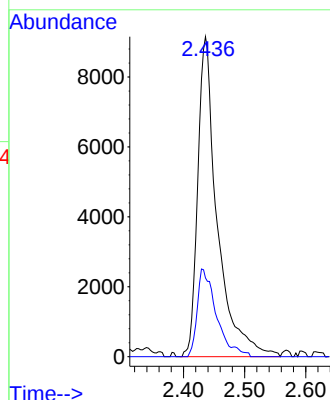
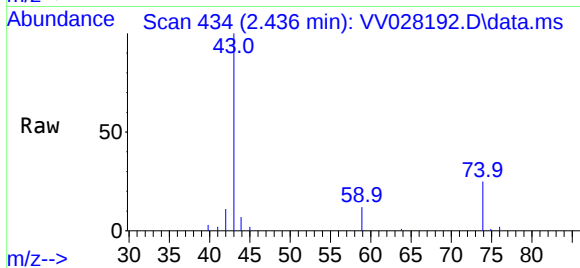
VSTD005310

Tgt Ion: 43 Resp: 20293

Ion Ratio Lower Upper

43 100

74 26.9 16.9 25.3#



#16

Methylene chloride

Concen: 5.417 ug/L

RT: 2.500 min Scan# 454

Delta R.T. 0.003 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

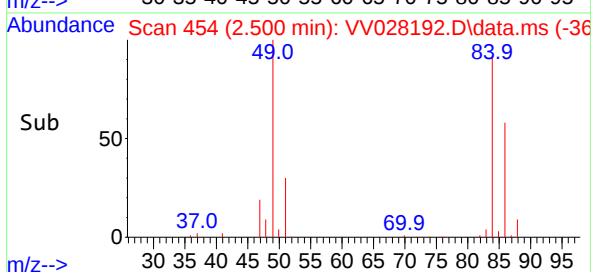
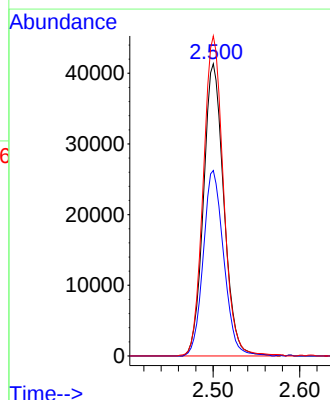
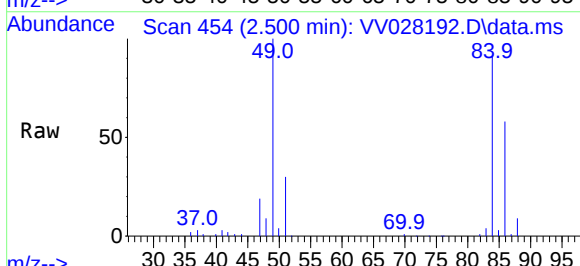
Tgt Ion: 84 Resp: 67493

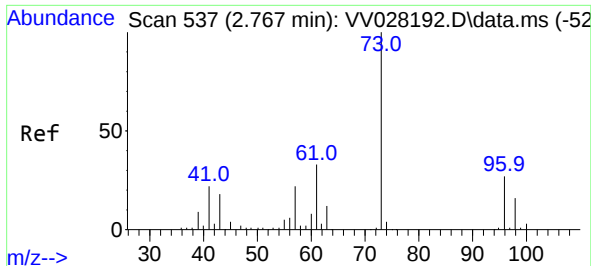
Ion Ratio Lower Upper

84 100

86 63.5 46.8 86.8

49 109.5 87.5 162.5

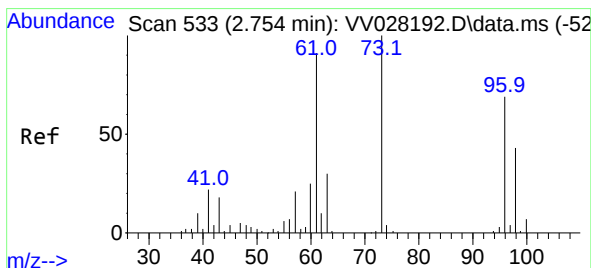
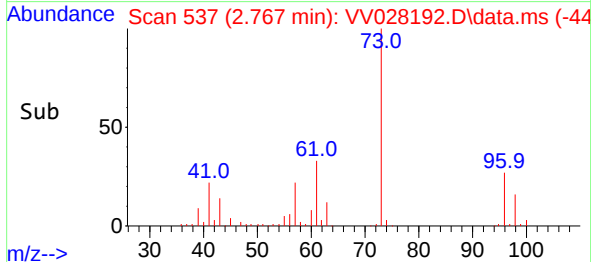
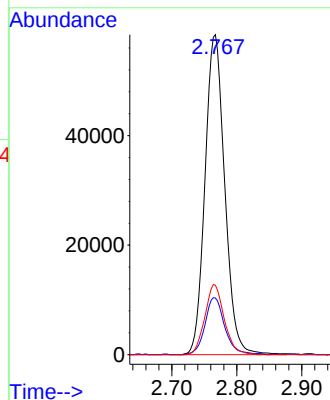
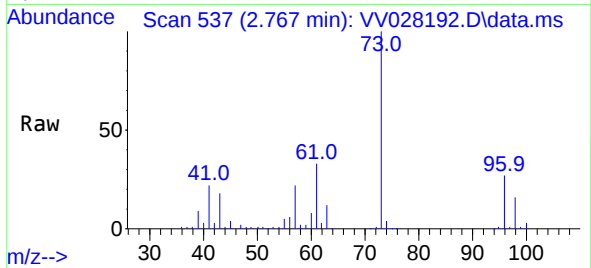




#17  
Methyl tert-butyl Ether  
Concen: 5.148 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

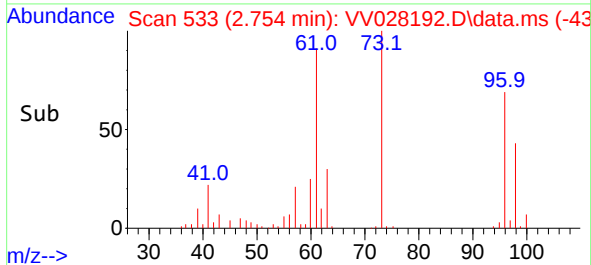
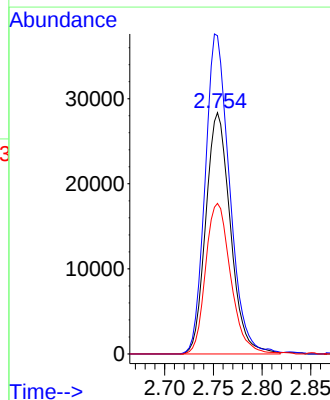
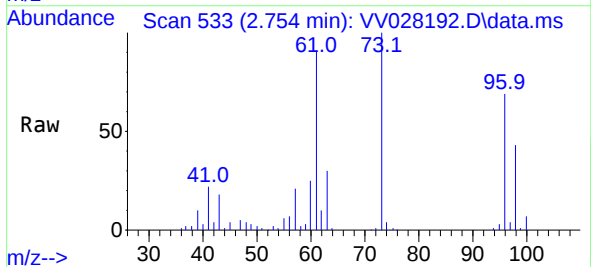
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

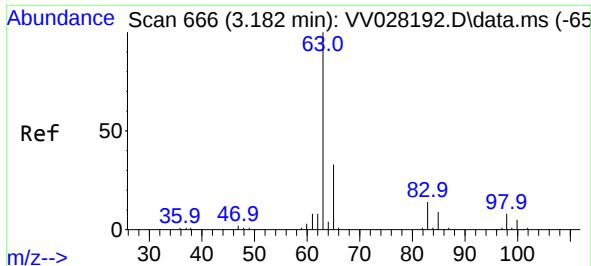
Tgt Ion: 73 Resp: 123600  
Ion Ratio Lower Upper  
73 100  
43 18.0 15.7 23.5  
57 21.5 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.099 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 96 Resp: 49819  
Ion Ratio Lower Upper  
96 100  
61 131.9 96.2 178.6  
98 62.4 45.7 84.9

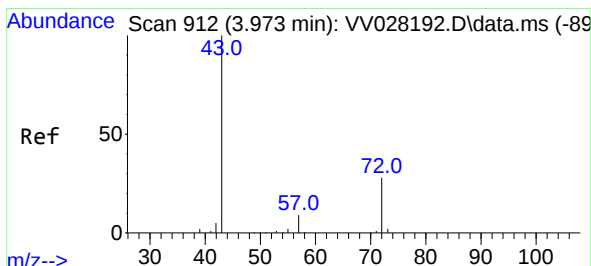
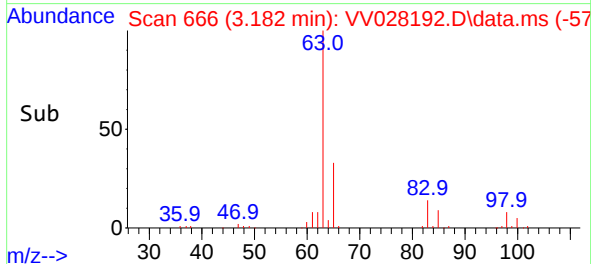
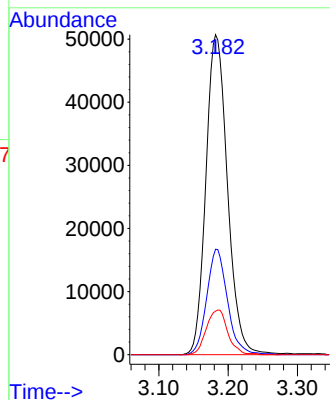
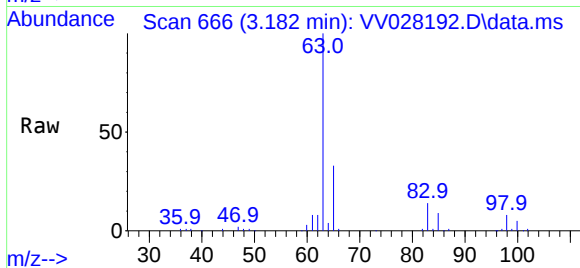




#19  
1,1-Dichloroethane  
Concen: 5.144 ug/L  
RT: 3.182 min Scan# 666  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

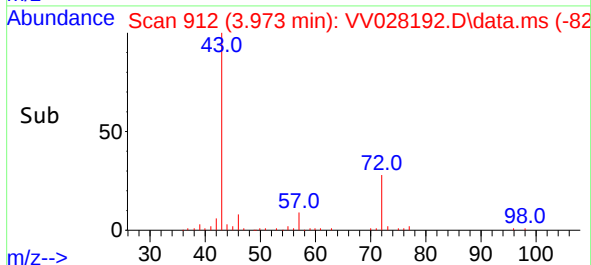
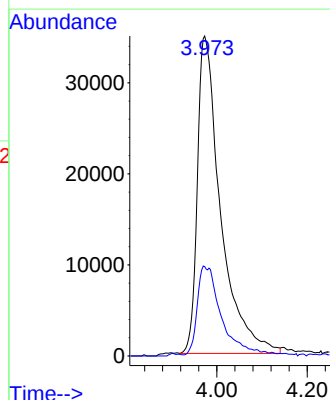
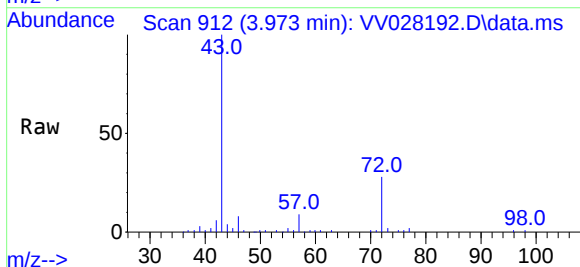
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

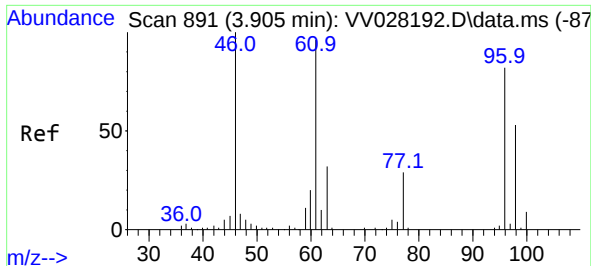
Tgt Ion: 63 Resp: 109641  
Ion Ratio Lower Upper  
63 100  
65 32.9 23.0 42.8  
83 13.6 9.2 17.2



#21  
2-Butanone  
Concen: 46.107 ug/L  
RT: 3.973 min Scan# 912  
Delta R.T. -0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 43 Resp: 124278  
Ion Ratio Lower Upper  
43 100  
72 28.2 12.7 38.1

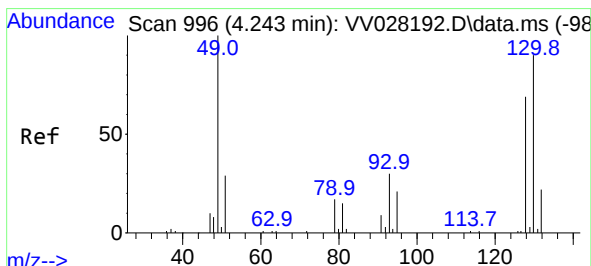
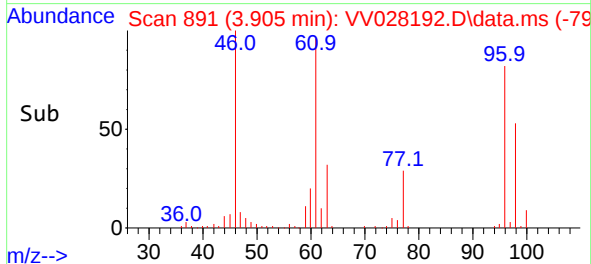
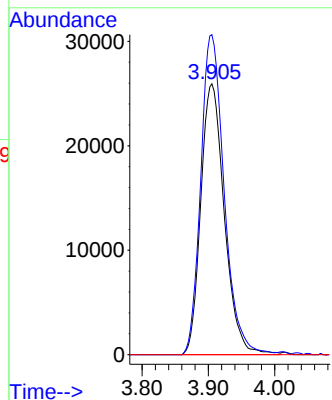
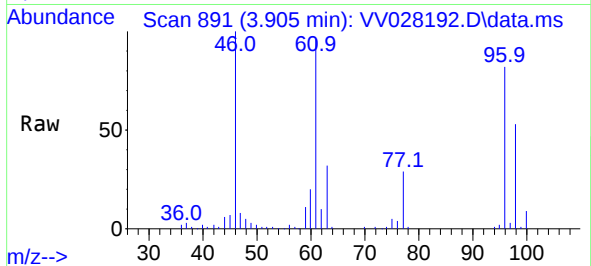




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.996 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.006 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

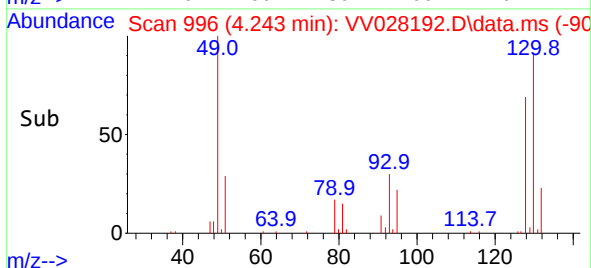
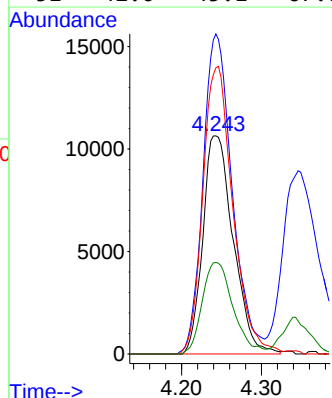
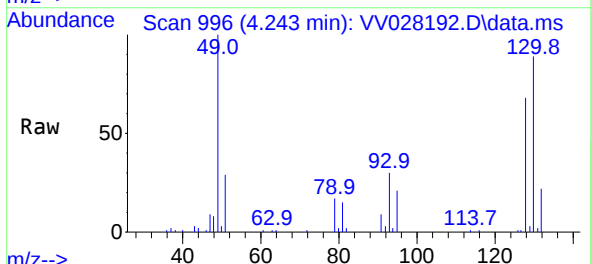
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005310

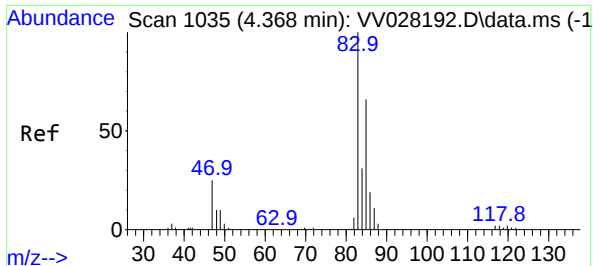
Tgt Ion: 96 Resp: 64046  
 Ion Ratio Lower Upper  
 96 100  
 61 118.1 87.2 161.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.461 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. 0.003 min  
 Lab File: VV028192.D  
 Acq: 29 Sep 2022 17:20

Tgt Ion: 128 Resp: 28032  
 Ion Ratio Lower Upper  
 128 100  
 49 146.8 119.9 222.7  
 130 131.2 94.6 175.8  
 51 42.0 45.1 67.7#





#25

Chloroform

Concen: 5.260 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

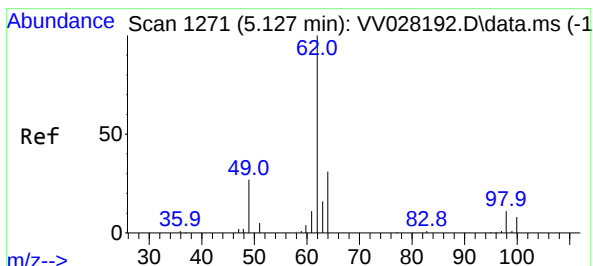
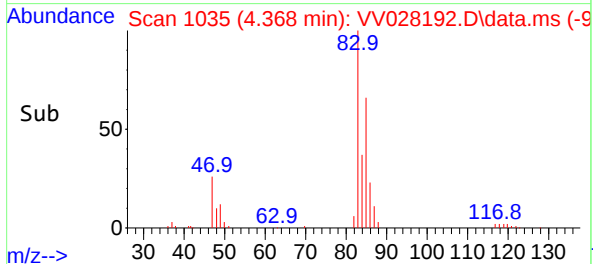
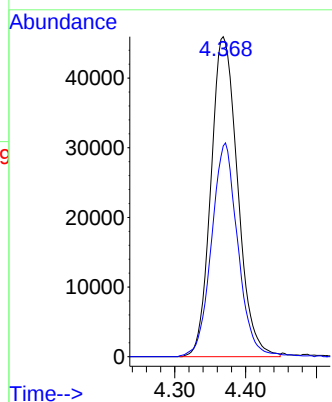
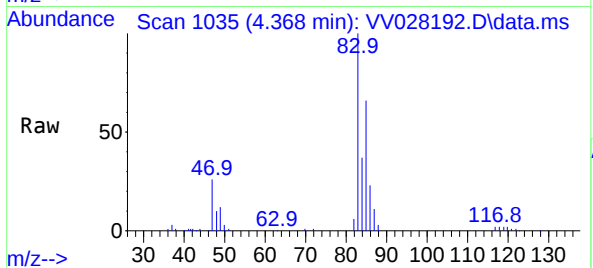
VSTD005310

Tgt Ion: 83 Resp: 120294

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7



#27

1,2-Dichloroethane

Concen: 4.934 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV028192.D

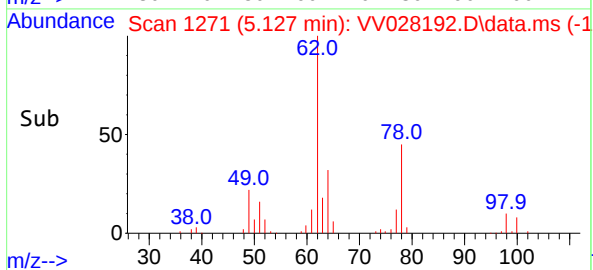
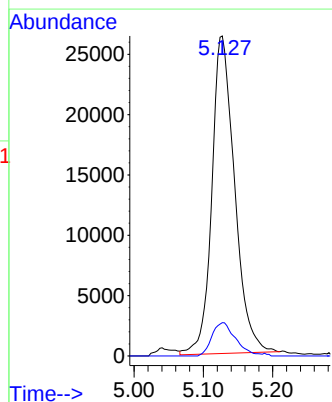
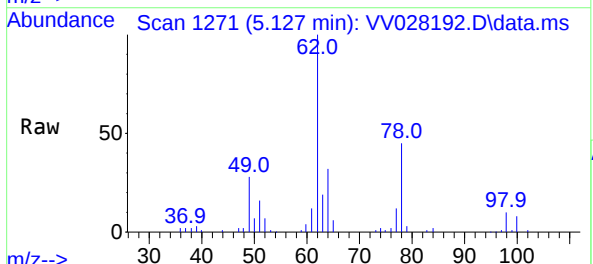
Acq: 29 Sep 2022 17:20

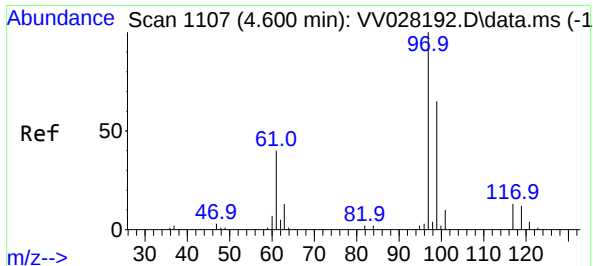
Tgt Ion: 62 Resp: 60167

Ion Ratio Lower Upper

62 100

98 10.4 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 5.657 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005310

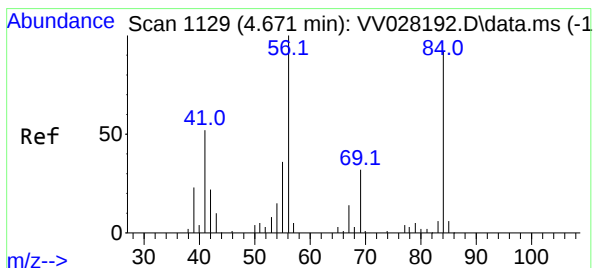
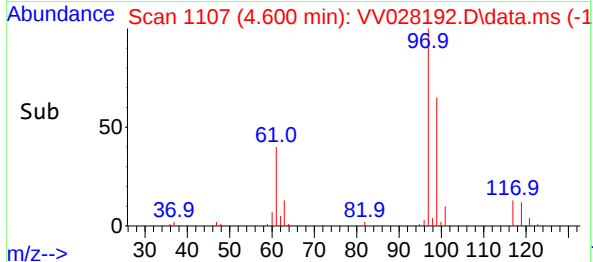
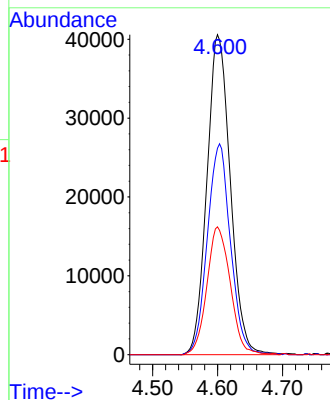
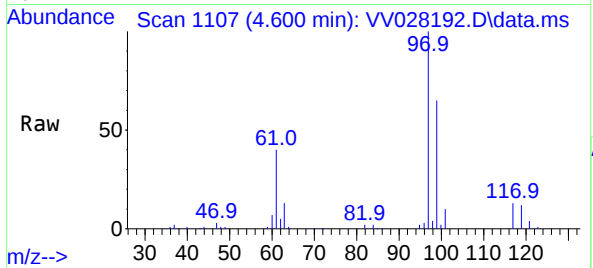
Tgt Ion: 97 Resp: 101605

Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 39.9 34.8 52.2



#30

Cyclohexane

Concen: 4.882 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

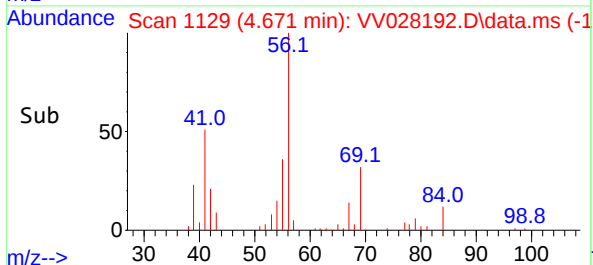
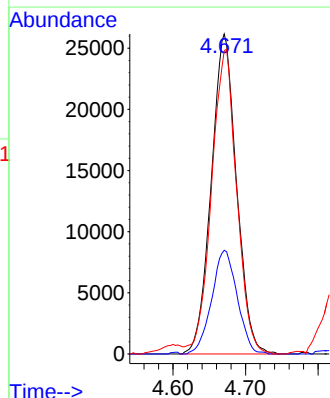
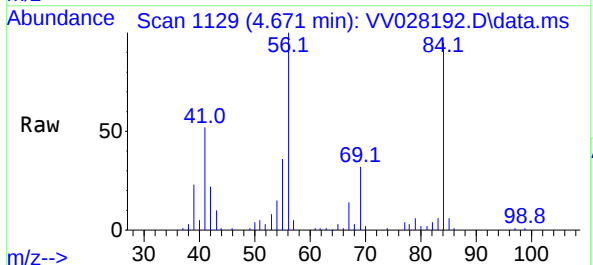
Tgt Ion: 56 Resp: 63423

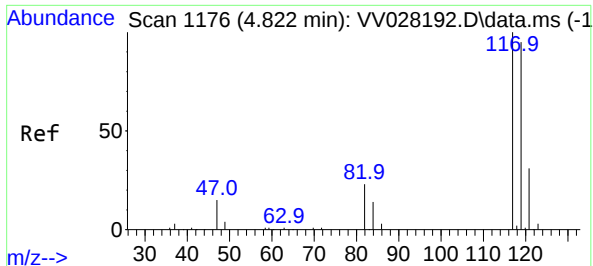
Ion Ratio Lower Upper

56 100

69 32.7 23.7 35.5

84 94.6 67.3 100.9

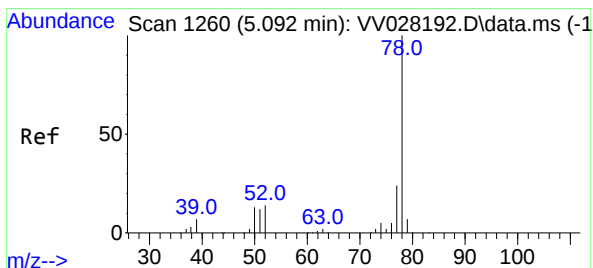
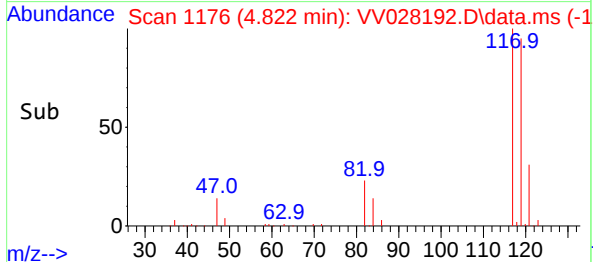
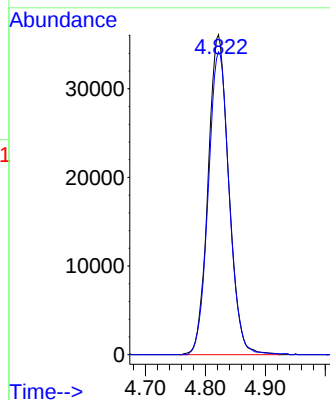
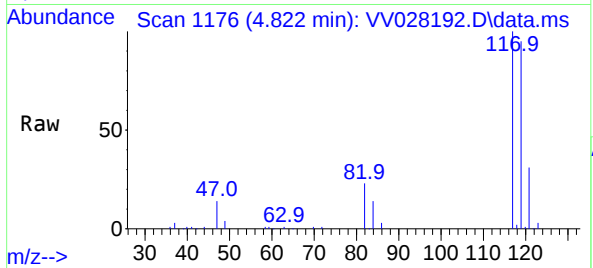




#31  
Carbon tetrachloride  
Concen: 5.856 ug/L  
RT: 4.822 min Scan# 1176  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

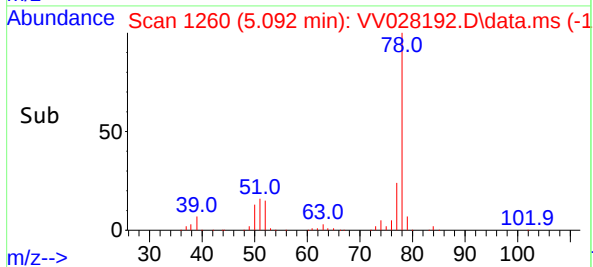
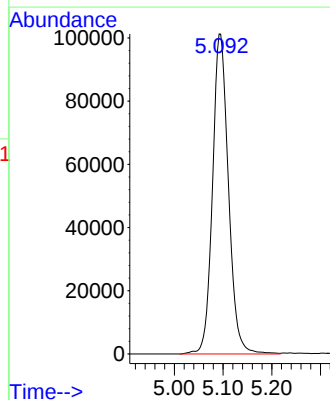
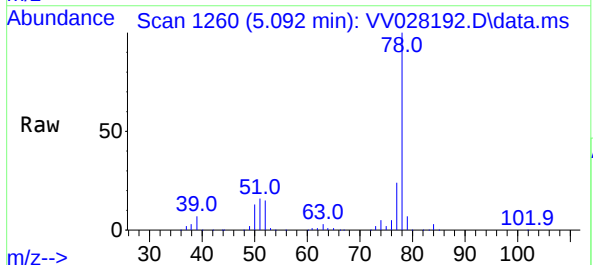
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

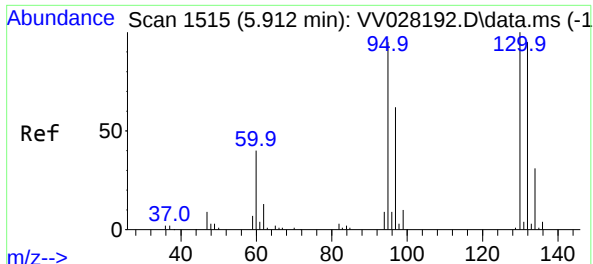
Tgt Ion:117 Resp: 86564  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.9 115.3



#33  
Benzene  
Concen: 5.669 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 78 Resp: 230124

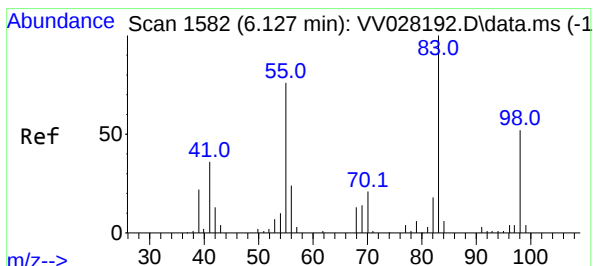
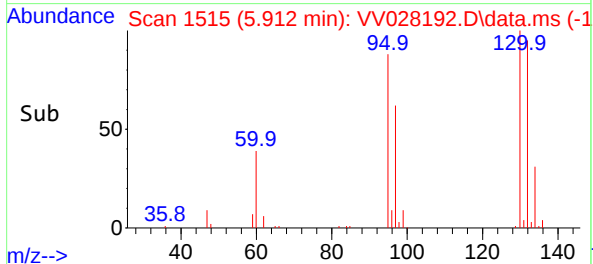
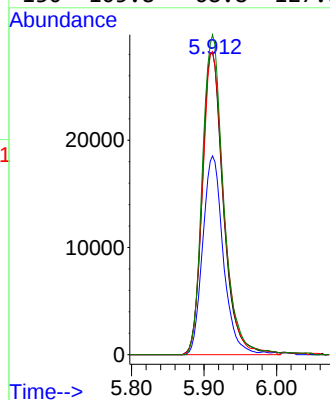
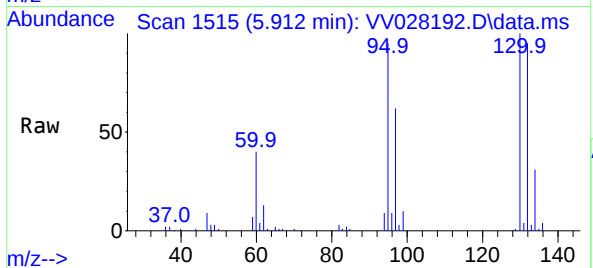




#34  
Trichloroethene  
Concen: 5.642 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

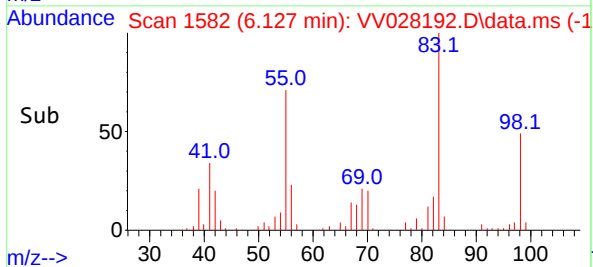
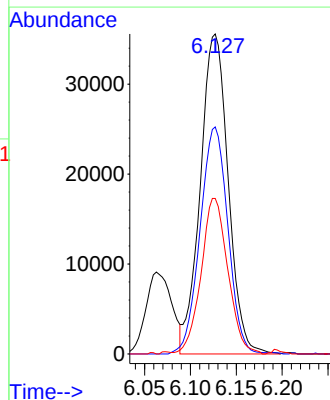
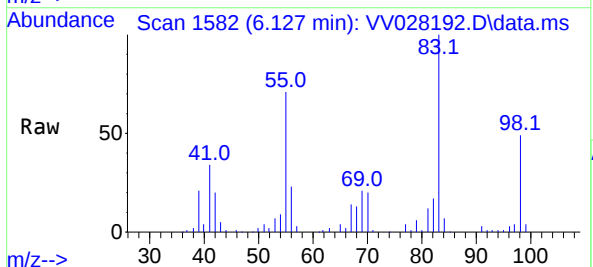
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

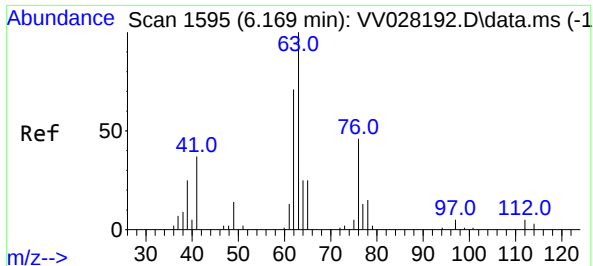
Tgt Ion: 95 Resp: 57013  
Ion Ratio Lower Upper  
95 100  
97 65.7 44.2 82.0  
132 100.2 67.8 126.0  
130 105.8 68.8 127.8



#35  
Methylcyclohexane  
Concen: 5.436 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.006 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 83 Resp: 75334  
Ion Ratio Lower Upper  
83 100  
55 70.7 64.7 97.1  
98 46.7 39.5 59.3

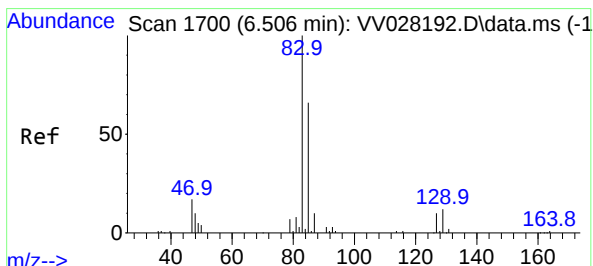
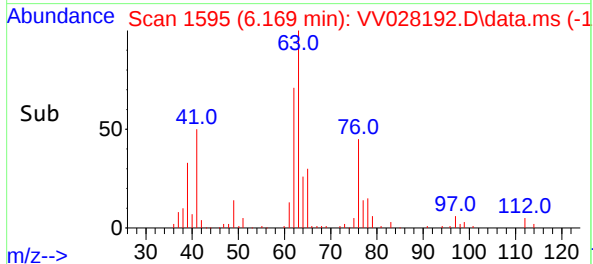
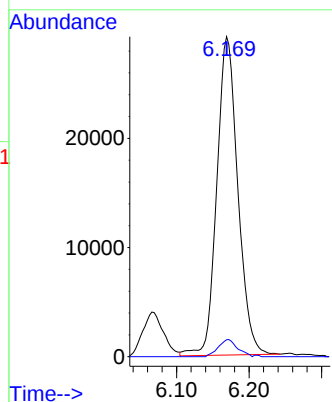
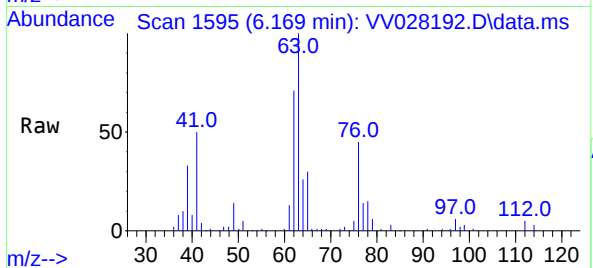




#37  
1,2-Dichloropropane  
Concen: 5.161 ug/L  
RT: 6.169 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

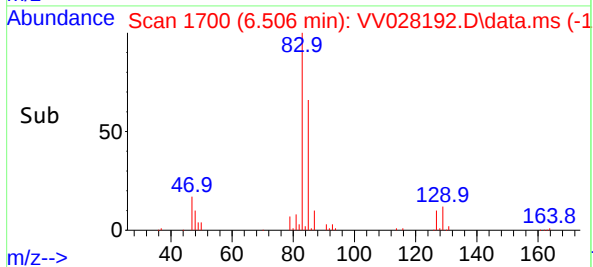
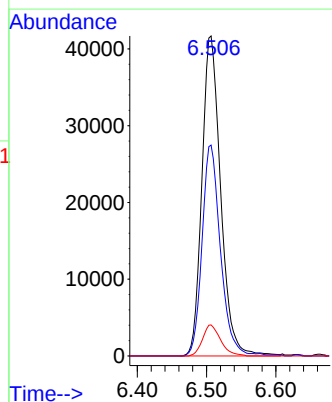
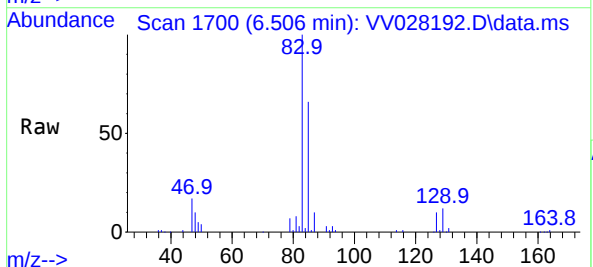
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

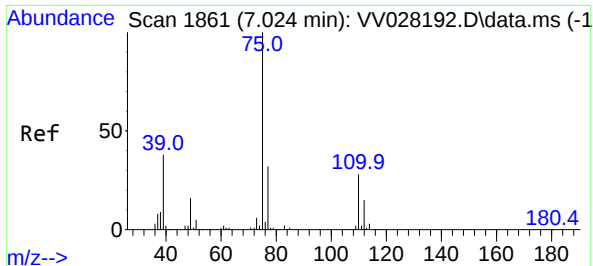
Tgt Ion: 63 Resp: 58734  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.5 5.3



#38  
Bromodichloromethane  
Concen: 5.580 ug/L  
RT: 6.506 min Scan# 1700  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 83 Resp: 78404  
Ion Ratio Lower Upper  
83 100  
85 65.9 43.8 81.4  
127 9.7 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 5.361 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

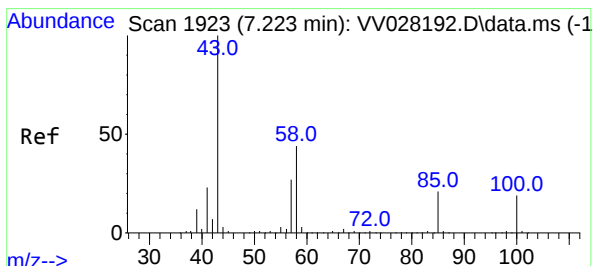
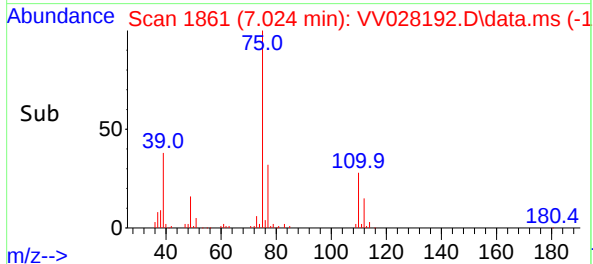
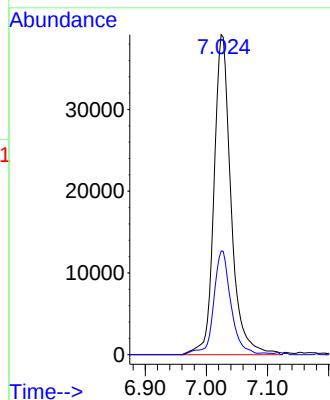
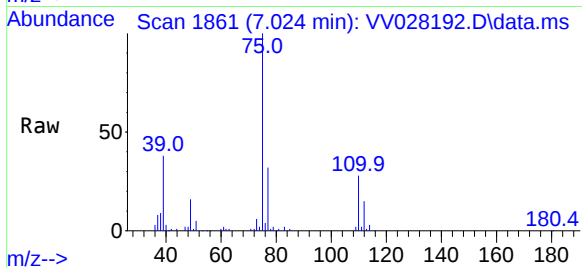
VSTD005310

Tgt Ion: 75 Resp: 75777

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 52.958 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

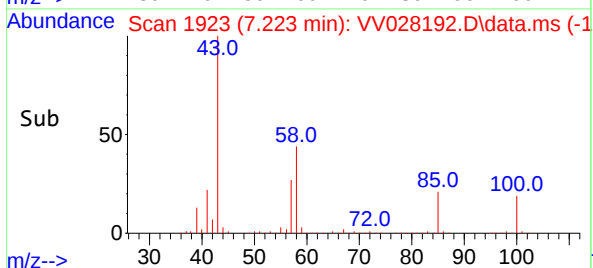
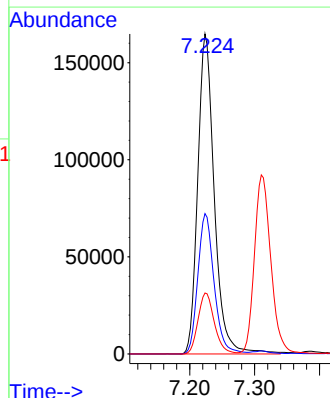
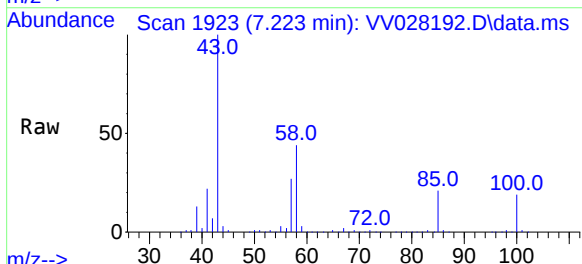
Tgt Ion: 43 Resp: 292664

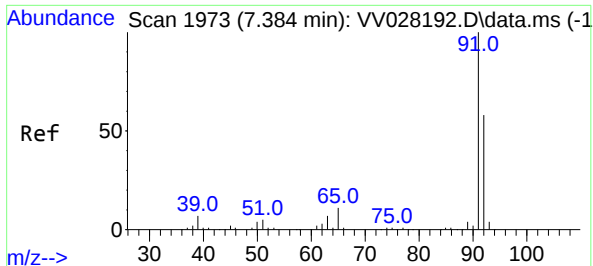
Ion Ratio Lower Upper

43 100

58 43.1 32.2 48.4

100 18.8 12.7 19.1





#42

Toluene

Concen: 5.677 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

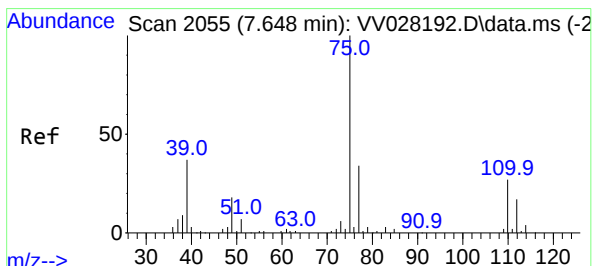
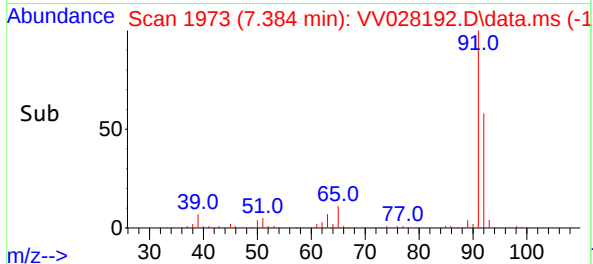
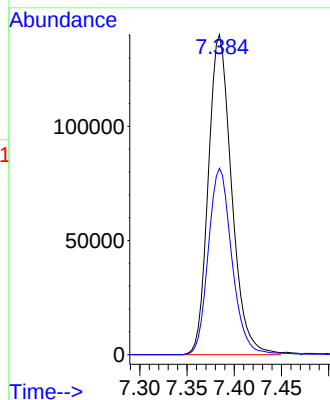
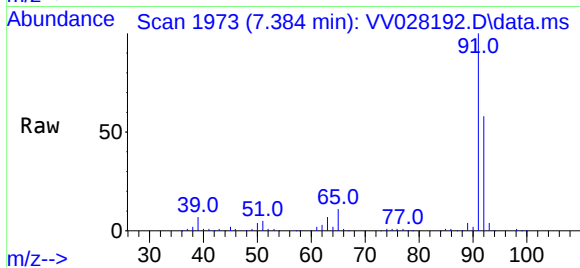
VSTD005310

Tgt Ion: 91 Resp: 240389

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.297 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV028192.D

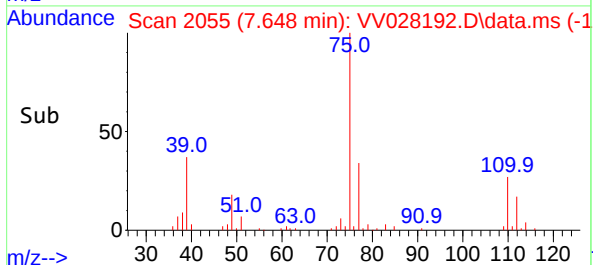
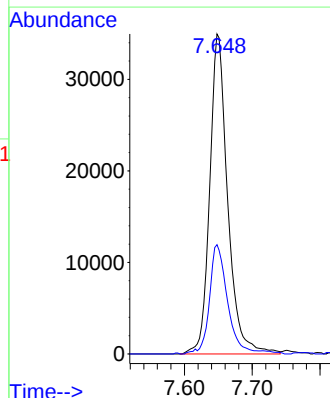
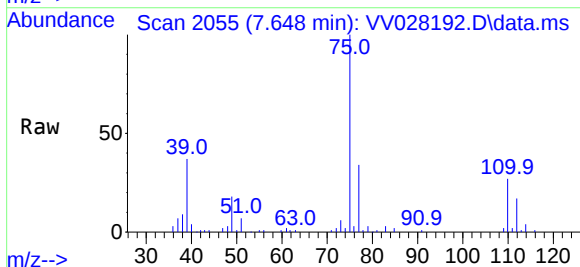
Acq: 29 Sep 2022 17:20

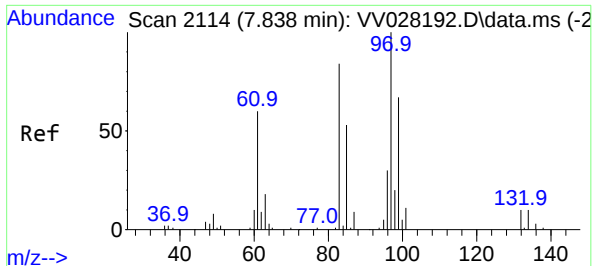
Tgt Ion: 75 Resp: 64399

Ion Ratio Lower Upper

75 100

77 34.2 23.9 44.3



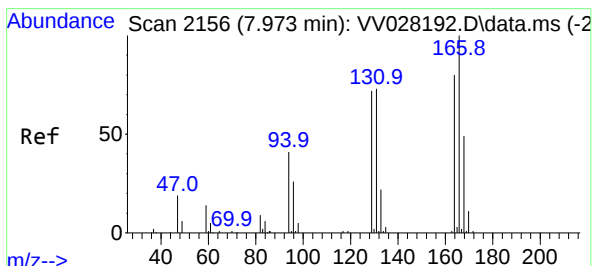
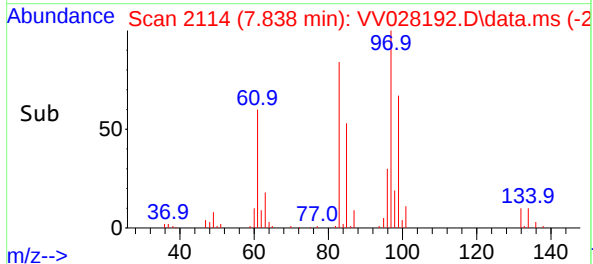
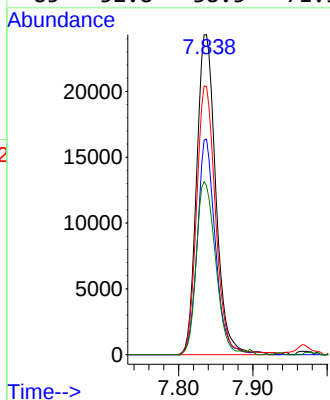
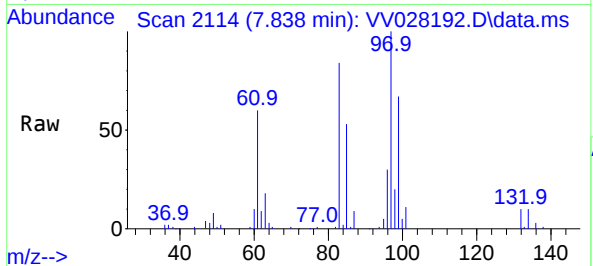


#45  
1,1,2-Trichloroethane  
Concen: 5.738 ug/L  
RT: 7.838 min Scan# 2114  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

Tgt Ion: 97 Resp: 43768

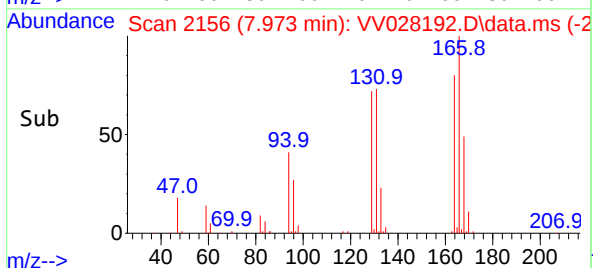
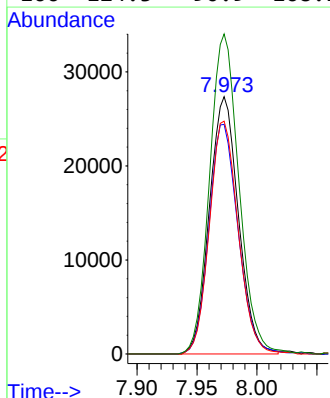
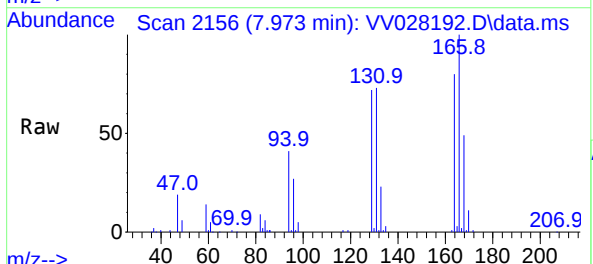
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 67.4  | 43.2  | 80.2  |
| 83  | 83.8  | 59.1  | 109.9 |
| 85  | 52.8  | 38.5  | 71.5  |

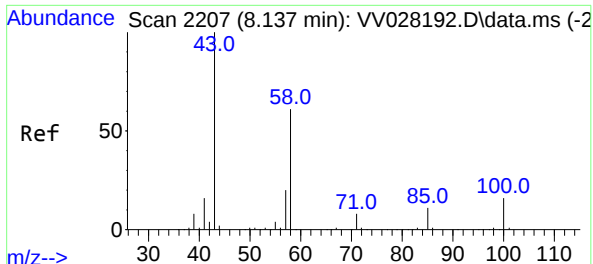


#47  
Tetrachloroethene  
Concen: 5.701 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 164 Resp: 45984

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.2  | 66.7  | 123.9 |
| 131 | 90.5  | 61.7  | 114.5 |
| 166 | 124.3 | 90.9  | 168.9 |

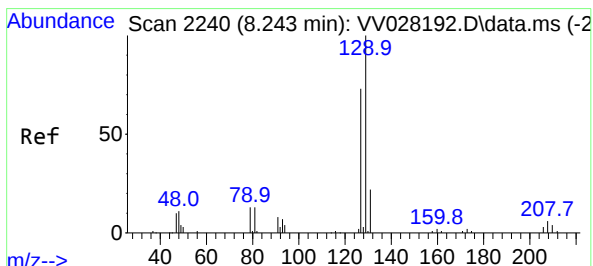
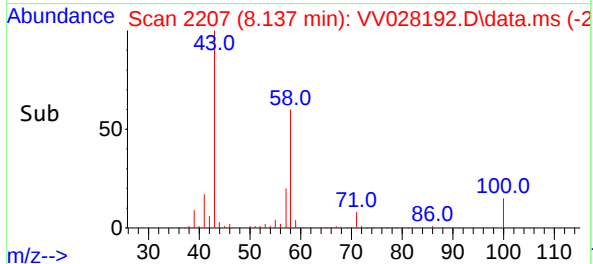
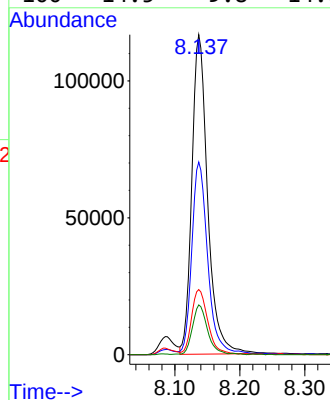
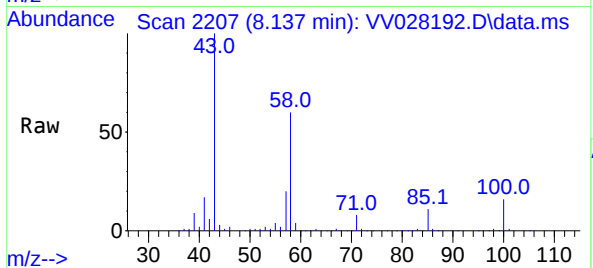




#48  
2-Hexanone  
Concen: 47.212 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

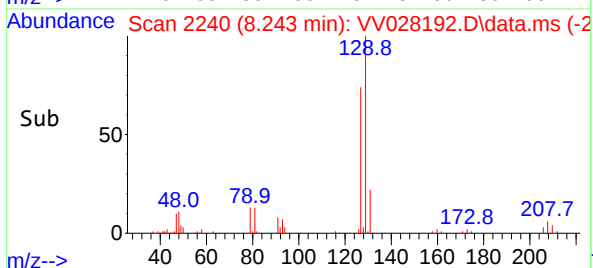
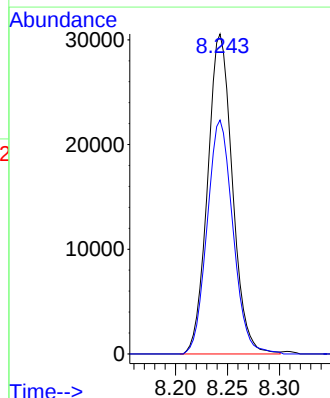
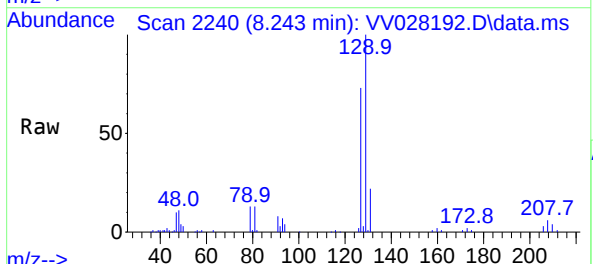
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

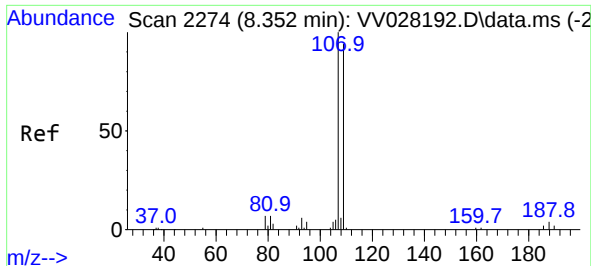
Tgt Ion: 43 Resp: 198069  
Ion Ratio Lower Upper  
43 100  
58 60.0 45.7 68.5  
57 21.3 15.5 23.3  
100 14.5 9.8 14.6



#49  
Dibromochloromethane  
Concen: 5.538 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 129 Resp: 50798  
Ion Ratio Lower Upper  
129 100  
127 73.1 54.3 100.9

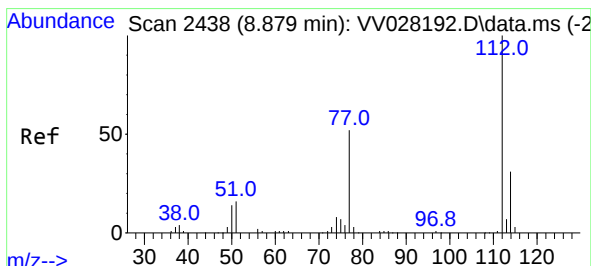
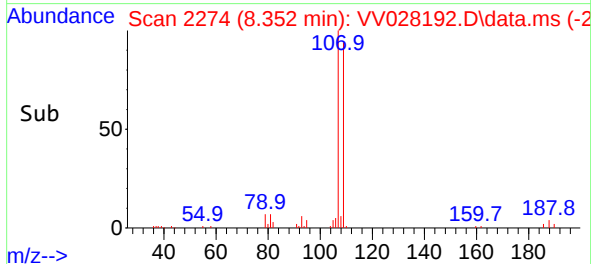
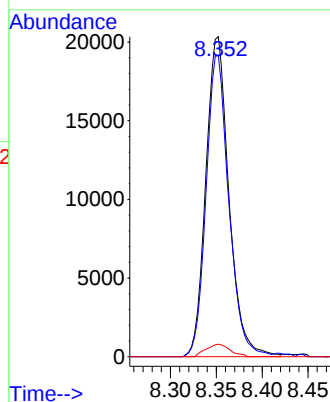
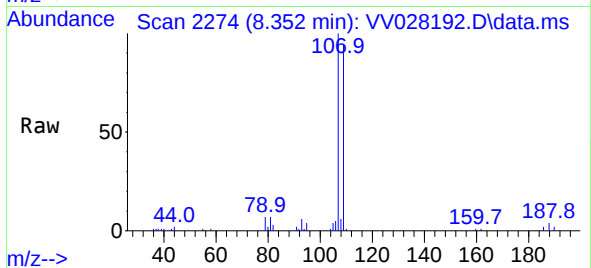




#50  
1,2-Dibromoethane  
Concen: 5.383 ug/L  
RT: 8.352 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

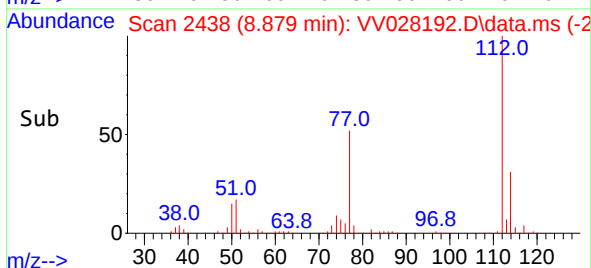
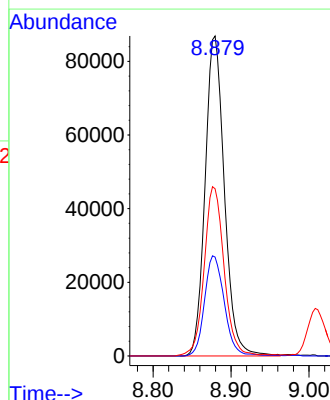
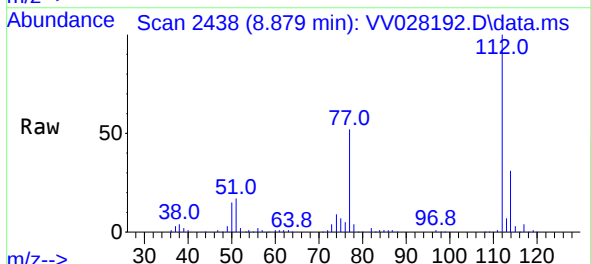
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

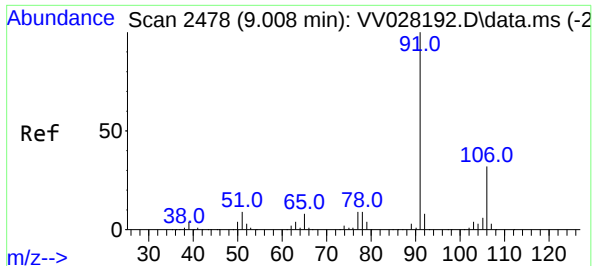
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 35687 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 94.2  | 65.9  | 122.5 |
| 188      | 3.9   | 3.4   | 5.0   |



#51  
Chlorobenzene  
Concen: 5.260 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 149389 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 30.9  | 22.5  | 41.7   |
| 77       | 52.2  | 46.1  | 69.1   |

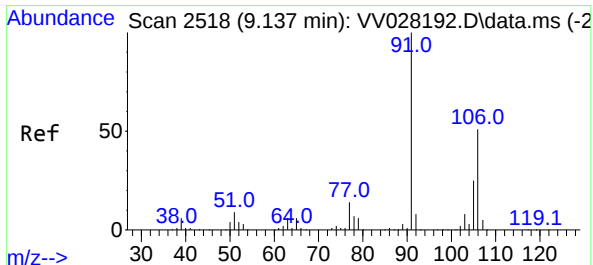
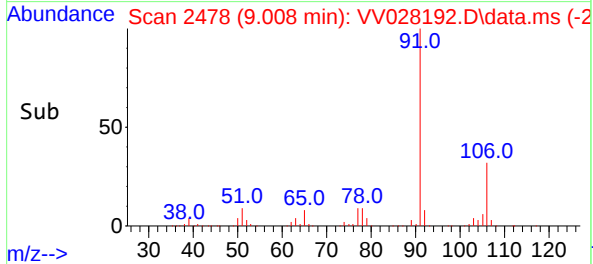
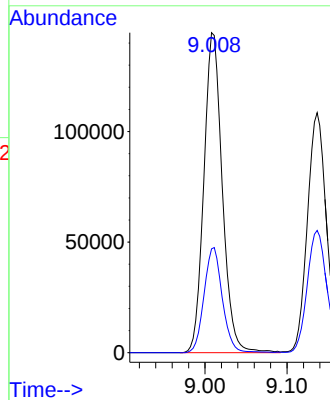
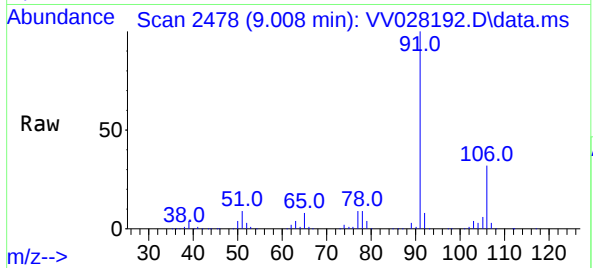




#52  
Ethylbenzene  
Concen: 5.044 ug/L  
RT: 9.008 min Scan# 2478  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

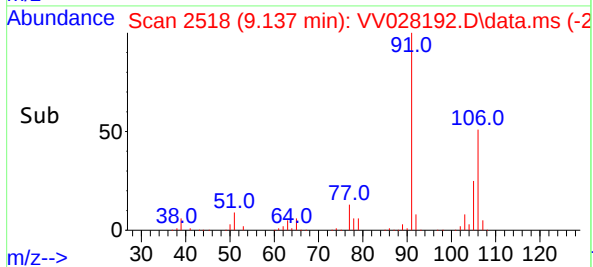
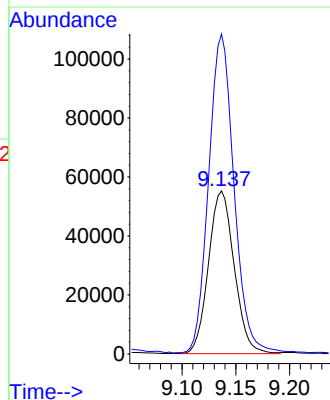
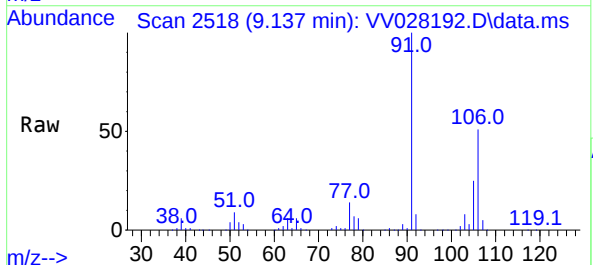
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

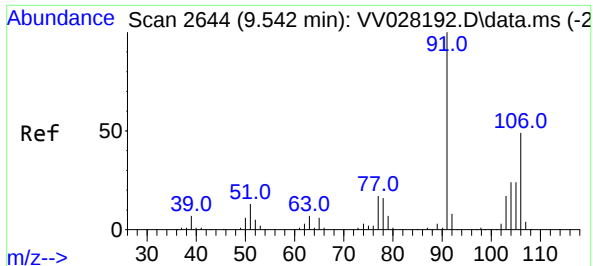
Tgt Ion: 91 Resp: 225952  
Ion Ratio Lower Upper  
91 100  
106 32.4 21.5 39.9



#53  
m,p-Xylene  
Concen: 5.342 ug/L  
RT: 9.137 min Scan# 2518  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 106 Resp: 91704  
Ion Ratio Lower Upper  
106 100  
91 196.2 141.9 263.5

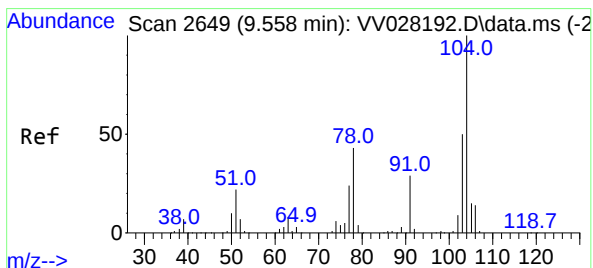
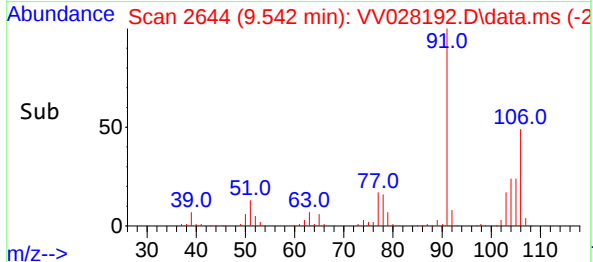
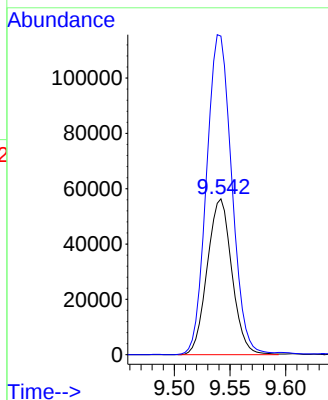
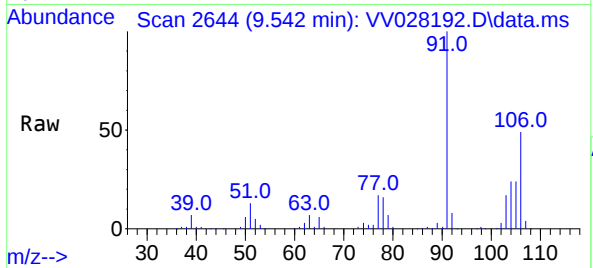




#54  
o-Xylene  
Concen: 5.114 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

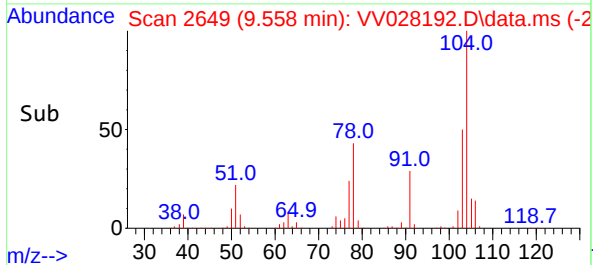
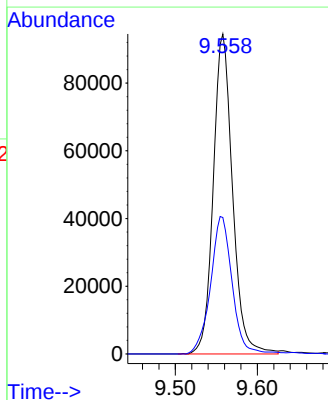
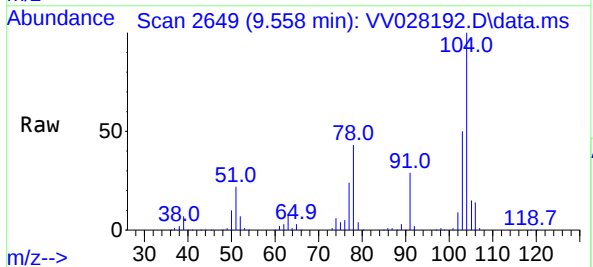
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

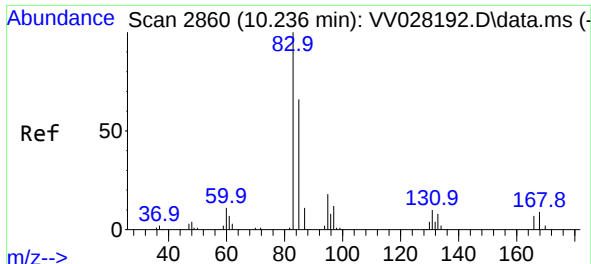
Tgt Ion:106 Resp: 86706  
Ion Ratio Lower Upper  
106 100  
91 204.5 148.1 275.0



#55  
Styrene  
Concen: 5.246 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:104 Resp: 154104  
Ion Ratio Lower Upper  
104 100  
78 42.6 31.0 57.6

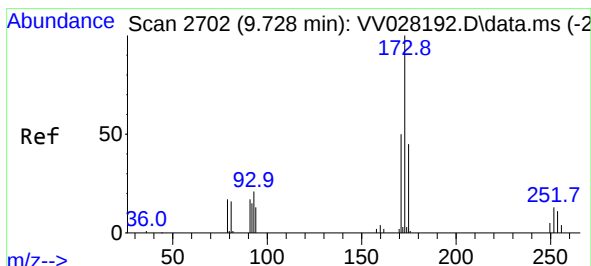
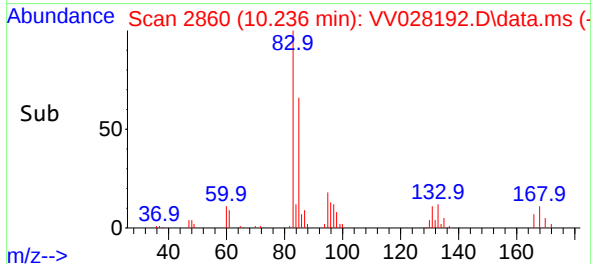
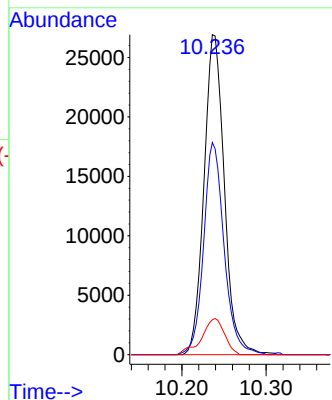
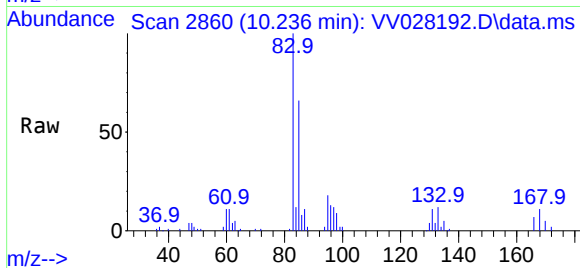




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.101 ug/L  
RT: 10.236 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

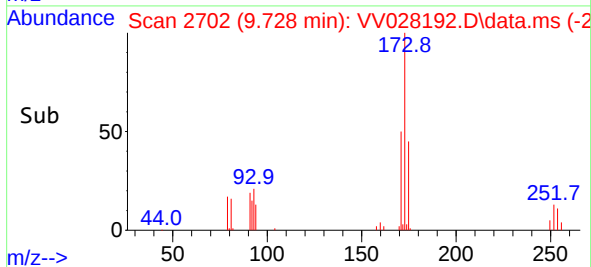
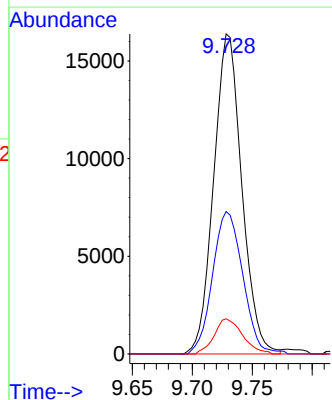
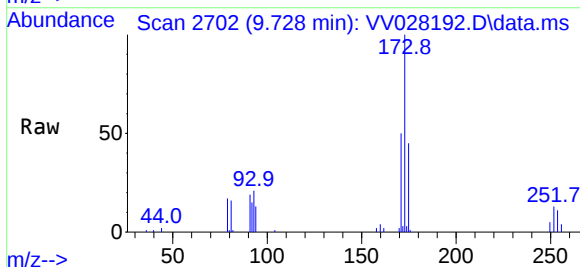
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

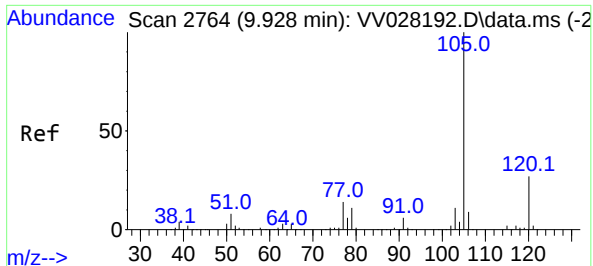
Tgt Ion: 83 Resp: 45343  
Ion Ratio Lower Upper  
83 100  
85 66.3 45.2 84.0  
131 10.9 7.8 11.8



#59  
Bromoform  
Concen: 5.165 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:173 Resp: 26692  
Ion Ratio Lower Upper  
173 100  
175 47.8 39.0 58.4  
254 11.1 8.7 13.1

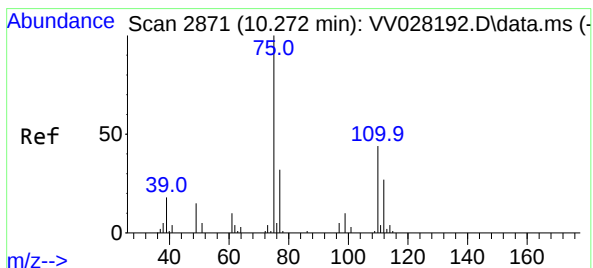
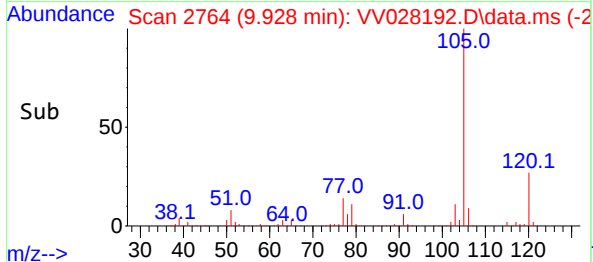
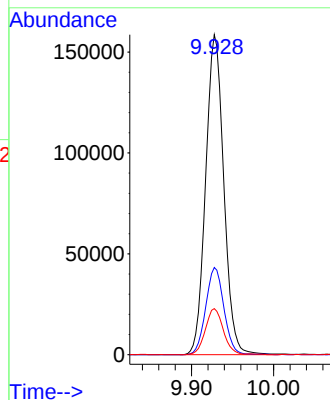
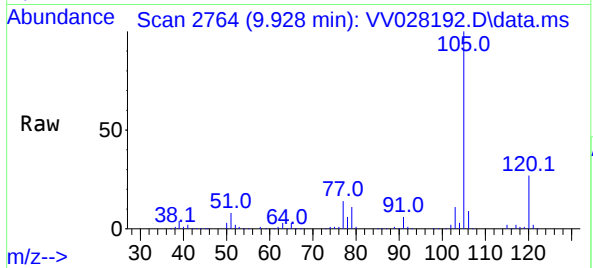




#60  
Isopropylbenzene  
Concen: 5.112 ug/L  
RT: 9.928 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

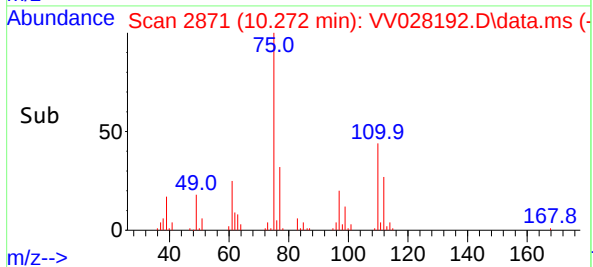
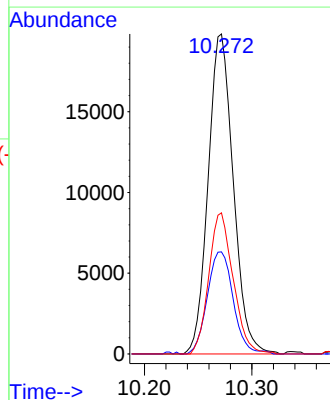
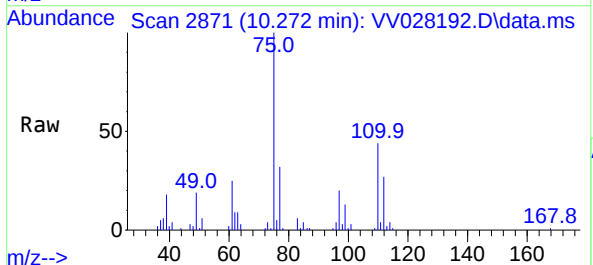
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

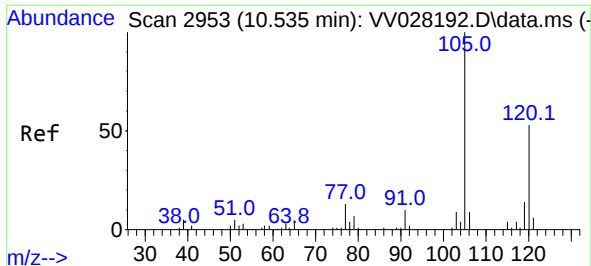
Tgt Ion:105 Resp: 244279  
Ion Ratio Lower Upper  
105 100  
120 27.2 21.4 32.0  
77 14.2 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 4.715 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion: 75 Resp: 32189  
Ion Ratio Lower Upper  
75 100  
77 32.9 26.7 40.1  
110 42.9 30.1 45.1

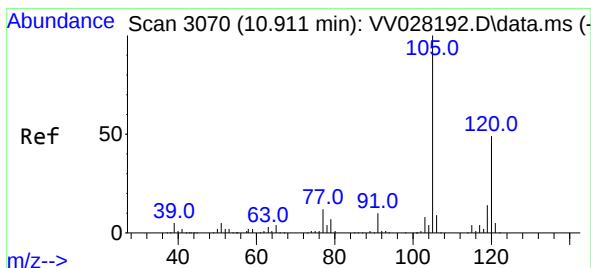
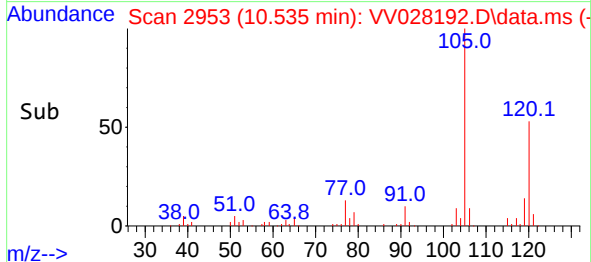
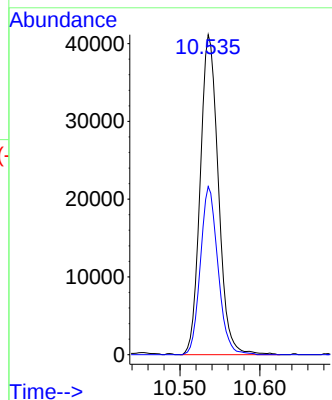
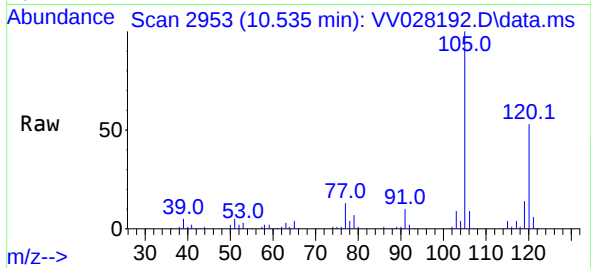




#62  
1,3,5-Trimethylbenzene  
Concen: 4.828 ug/L  
RT: 10.535 min Scan# 2953  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

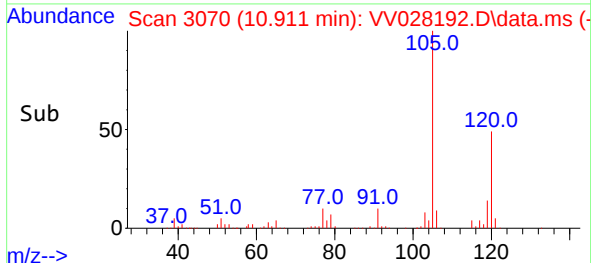
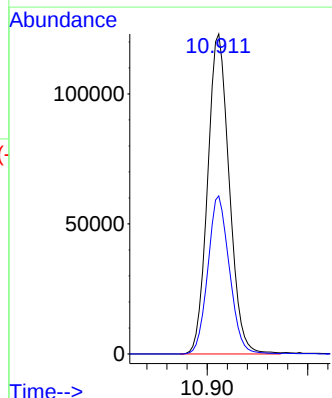
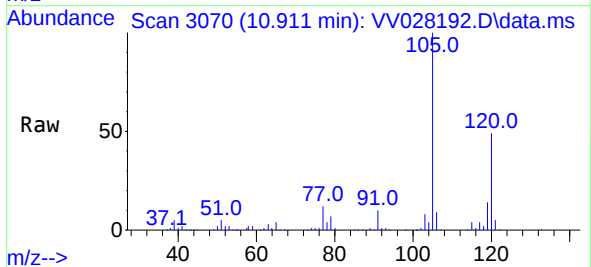
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

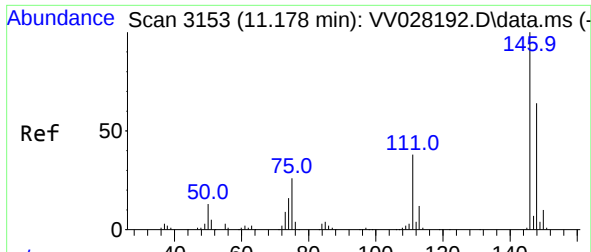
Tgt Ion:105 Resp: 64983  
Ion Ratio Lower Upper  
105 100  
120 50.9 40.6 61.0



#63  
1,2,4-Trimethylbenzene  
Concen: 4.879 ug/L  
RT: 10.911 min Scan# 3070  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:105 Resp: 183570  
Ion Ratio Lower Upper  
105 100  
120 49.2 37.8 56.8



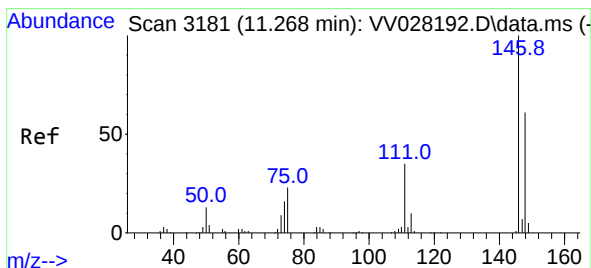
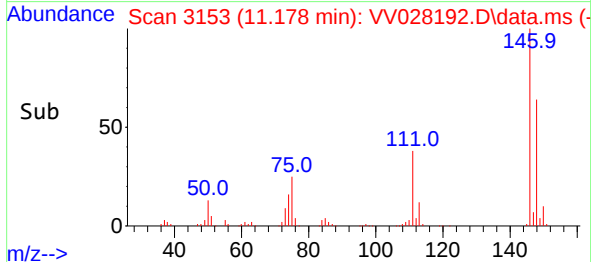
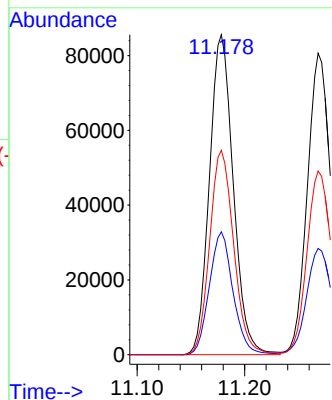
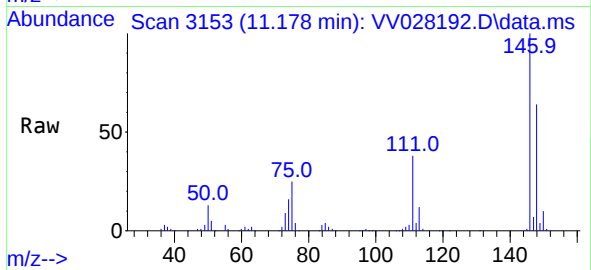


#64  
1,3-Dichlorobenzene  
Concen: 5.544 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

Tgt Ion:146 Resp: 131812

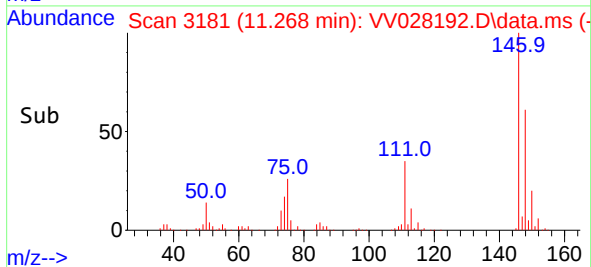
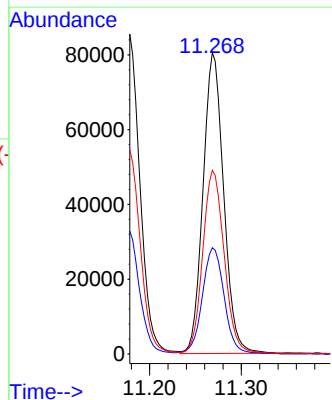
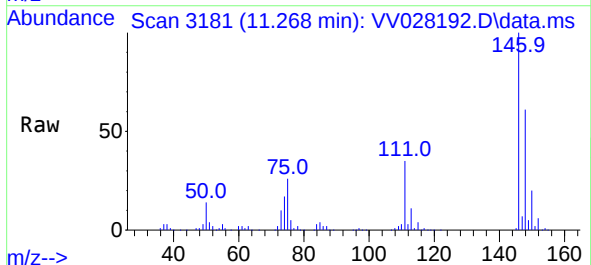
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.4  | 27.1  | 50.3  |
| 148 | 63.8  | 45.7  | 84.9  |

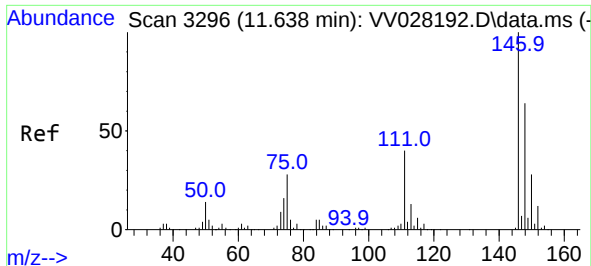


#65  
1,4-Dichlorobenzene  
Concen: 5.292 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:146 Resp: 125897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 35.3  | 26.2  | 48.8  |
| 148 | 60.9  | 45.8  | 85.2  |





#67

1,2-Dichlorobenzene

Concen: 5.248 ug/L

RT: 11.638 min Scan# 3296

Delta R.T. 0.000 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005310

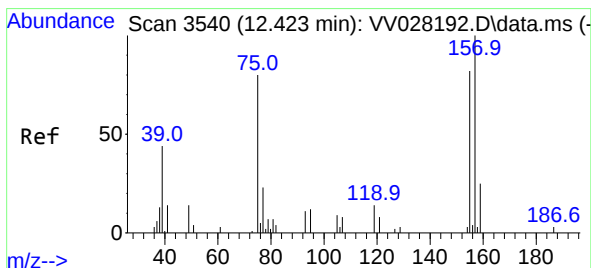
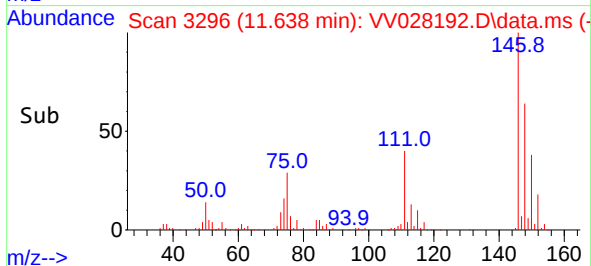
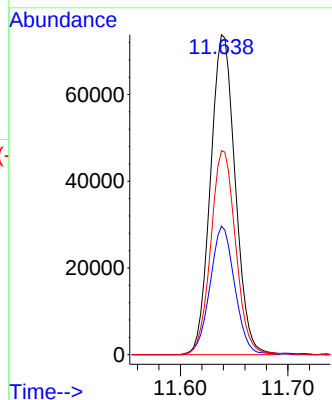
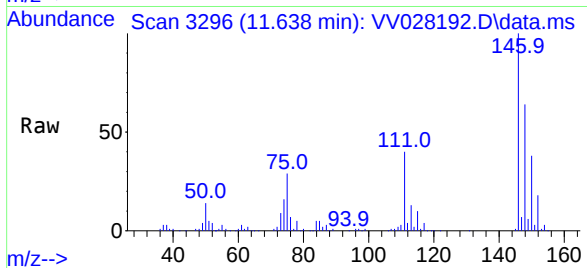
Tgt Ion:146 Resp: 117861

Ion Ratio Lower Upper

146 100

111 40.2 32.6 49.0

148 63.8 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.510 ug/L

RT: 12.423 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VV028192.D

Acq: 29 Sep 2022 17:20

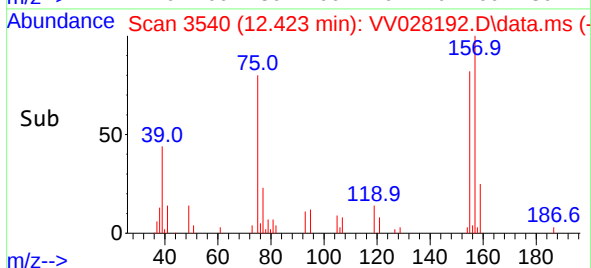
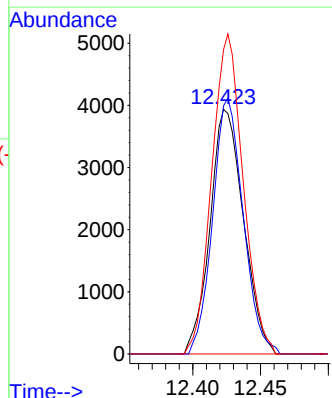
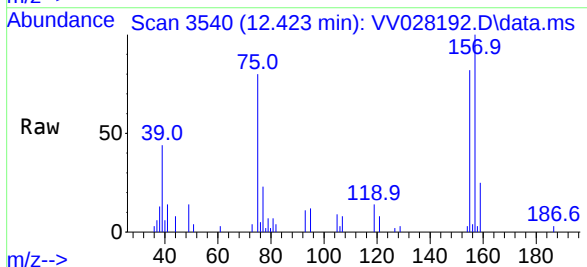
Tgt Ion: 75 Resp: 6749

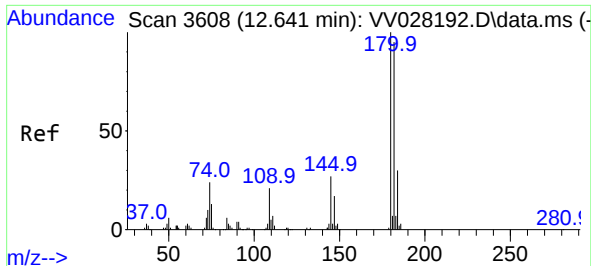
Ion Ratio Lower Upper

75 100

155 101.4 73.6 110.4

157 124.4 90.7 136.1



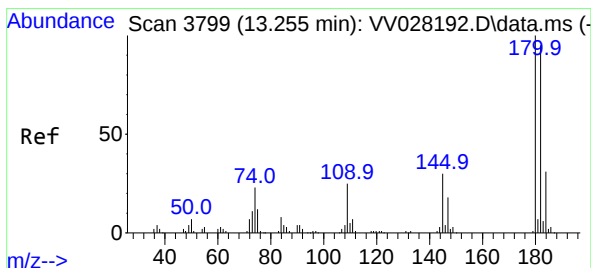
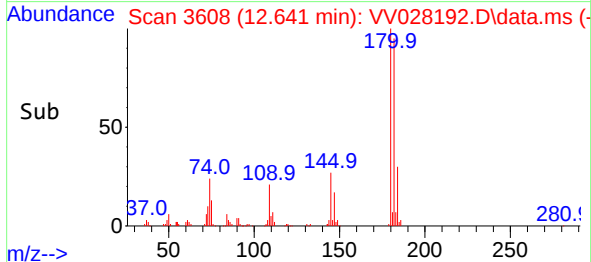
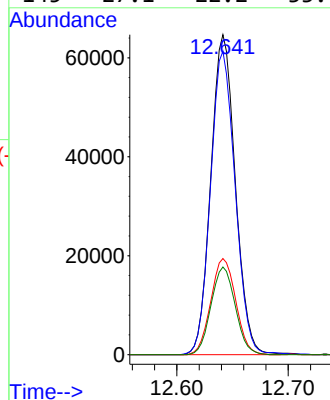
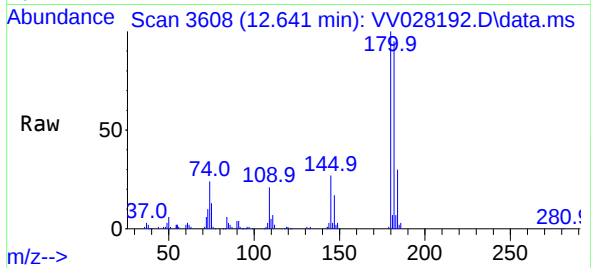


#69  
1,3,5-Trichlorobenzene  
Concen: 5.248 ug/L  
RT: 12.641 min Scan# 3608  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

Tgt Ion:180 Resp: 98752

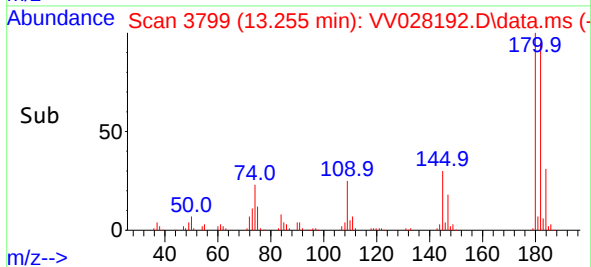
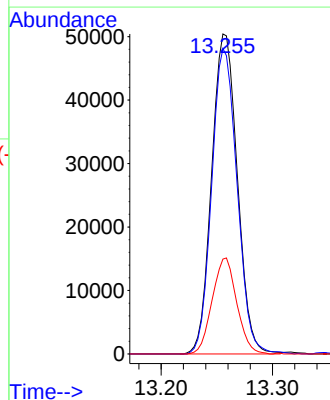
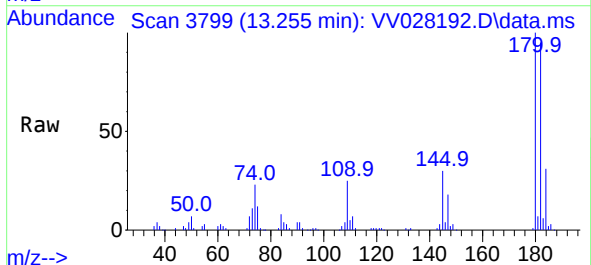
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.7  | 75.5  | 113.3 |
| 184 | 30.6  | 23.7  | 35.5  |
| 145 | 27.1  | 22.2  | 33.4  |

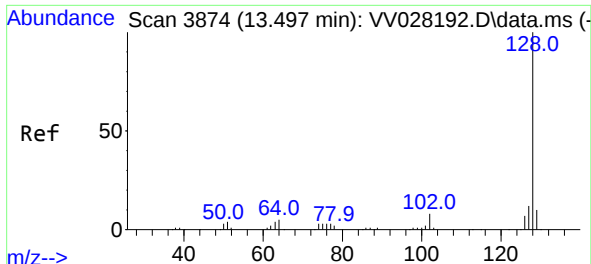


#70  
1,2,4-trichlorobenzene  
Concen: 5.369 ug/L  
RT: 13.255 min Scan# 3799  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Tgt Ion:180 Resp: 80803

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.2  | 76.3  | 114.5 |
| 145 | 28.6  | 22.9  | 34.3  |

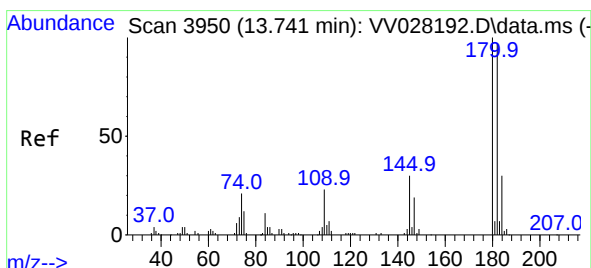
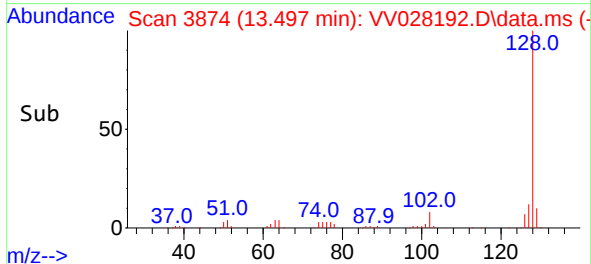
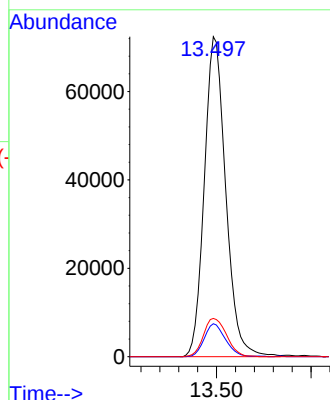
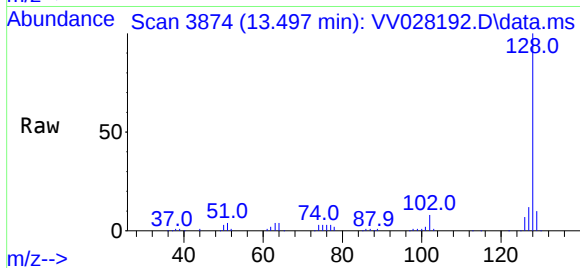




#71  
Naphthalene  
Concen: 4.622 ug/L  
RT: 13.497 min Scan# 3874  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005310

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 113910 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 10.1  | 8.2   | 12.2   |
| 127      | 12.9  | 10.4  | 15.6   |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.057 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV028192.D  
Acq: 29 Sep 2022 17:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 68842 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.7  | 77.4  | 116.0 |
| 145      | 30.2  | 24.6  | 36.8  |

