

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111422\  
 Data File : VW028975.D  
 Acq On : 15 Nov 2022 06:39  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

Quant Time: Nov 15 07:30:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 15 01:23:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 299066   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 278848   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 147510   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 78204    | 4.289    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 78271    | 4.883    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 158331   | 4.765    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.400%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 193341   | 63.348   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 126.700% |
| 24) Chloroform-d              | 4.342  | 84    | 192201   | 5.135    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.600% |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 84133    | 4.995    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.000% |
| 32) Benzene-d6                | 5.047  | 84    | 386793   | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 111352   | 4.791    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 7.310  | 98    | 357171   | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 30419    | 4.013    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.200%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 167882   | 51.886   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 83291    | 5.169    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.615 | 152   | 133034   | 5.041    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 129831   | 5.208    | ug/L   | 98       |
| 3) Chloromethane              | 1.240  | 50    | 112765   | 5.450    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310  | 62    | 123212   | 5.221    | ug/L   | 99       |
| 6) Bromomethane               | 1.523  | 94    | 69278    | 4.911    | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64    | 97741    | 7.048    | ug/L   | 90       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 171106   | 5.377    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 97199    | 5.395    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 97887    | 5.407    | ug/L   | 97       |
| 13) Acetone                   | 2.185  | 43    | 103153   | 52.541   | ug/L   | 83       |
| 14) Carbon disulfide          | 2.294  | 76    | 326872   | 5.084    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.436  | 43    | 30268    | 6.353    | ug/L   | 94       |
| 16) Methylene chloride        | 2.503  | 84    | 122921   | 5.251    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 212950   | 5.486    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 113212   | 5.392    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 188412   | 5.489    | ug/L   | 98       |
| 21) 2-Butanone                | 3.973  | 43    | 181973   | 59.868   | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 119616   | 5.603    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.243  | 128   | 49564    | 5.490    | ug/L   | 95       |
| 25) Chloroform                | 4.371  | 83    | 192740   | 5.356    | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111422\  
 Data File : VV028975.D  
 Acq On : 15 Nov 2022 06:39  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

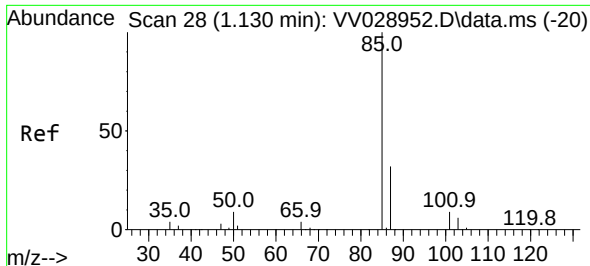
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

Quant Time: Nov 15 07:30:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 15 01:23:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 102069   | 5.507  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 167770   | 5.127  | ug/L  | 99       |
| 30) Cyclohexane               | 4.670  | 56   | 170448   | 5.125  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 139679   | 4.957  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 447131   | 5.247  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 113777   | 5.216  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 190175   | 4.960  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 100344   | 5.106  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 124960   | 5.021  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 121924   | 4.445  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 465017   | 55.004 | ug/L  | 97       |
| 42) Toluene                   | 7.381  | 91   | 484373   | 5.262  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 90435    | 4.246  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 71597    | 5.566  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.969  | 164  | 94217    | 5.394  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.136  | 43   | 318783   | 53.829 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.239  | 129  | 74058    | 4.762  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.345  | 107  | 66009    | 5.524  | ug/L  | 94       |
| 51) Chlorobenzene             | 8.876  | 112  | 310120   | 5.449  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.005  | 91   | 518933   | 5.415  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.130  | 106  | 207325   | 5.439  | ug/L  | 100      |
| 54) o-Xylene                  | 9.535  | 106  | 198110   | 5.468  | ug/L  | 97       |
| 55) Styrene                   | 9.551  | 104  | 339077   | 5.579  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 83293    | 5.556  | ug/L  | 99       |
| 59) Bromoform                 | 9.725  | 173  | 36711    | 4.565  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.924  | 105  | 532752   | 5.564  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 58446    | 5.798  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 448325   | 5.527  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 444411   | 5.470  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 252689   | 5.617  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 249941   | 5.526  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 225091   | 5.569  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 10228    | 5.157  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 189876   | 5.471  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 145656   | 5.548  | ug/L  | 98       |
| 71) Naphthalene               | 13.493 | 128  | 186957   | 5.519  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 120216   | 5.407  | ug/L  | 100      |

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

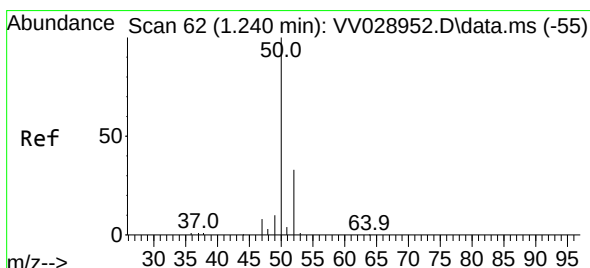
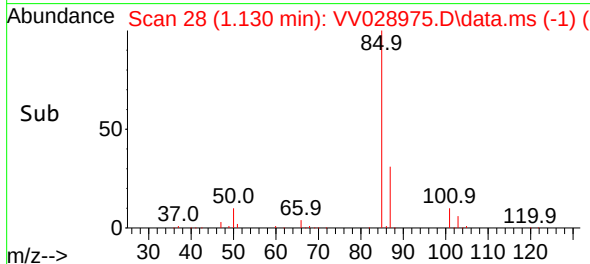
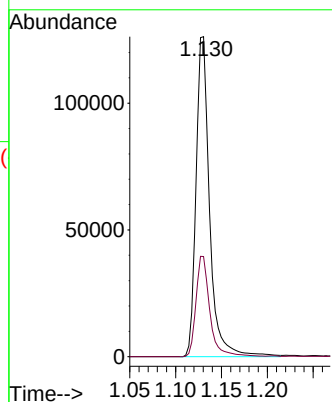
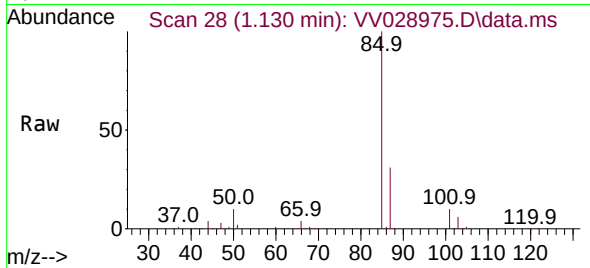




#2  
 Dichlorodifluoromethane  
 Concen: 5.208 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

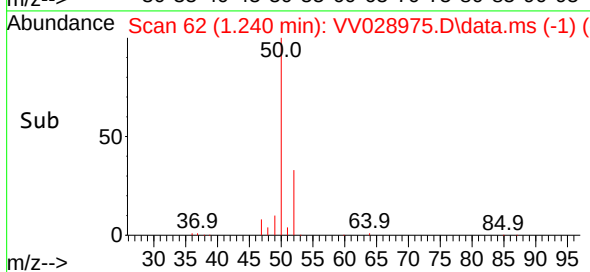
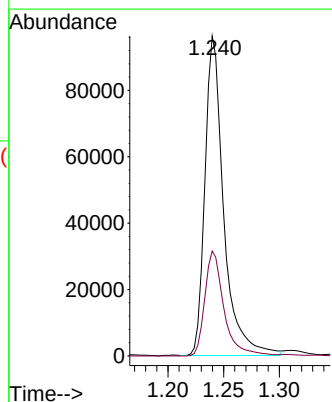
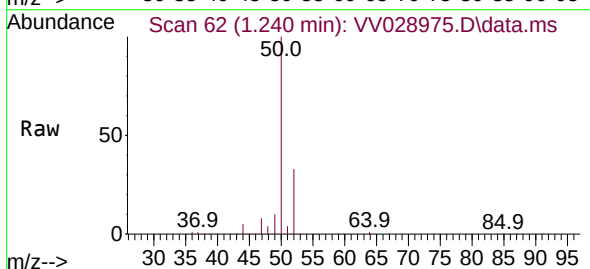
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

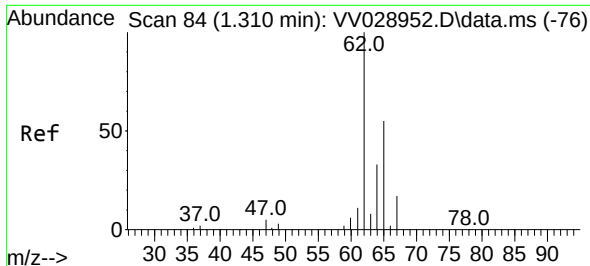
Tgt Ion: 85 Resp: 129831  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.0 37.4



#3  
 Chloromethane  
 Concen: 5.450 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion: 50 Resp: 112765  
 Ion Ratio Lower Upper  
 50 100  
 52 32.8 23.7 43.9

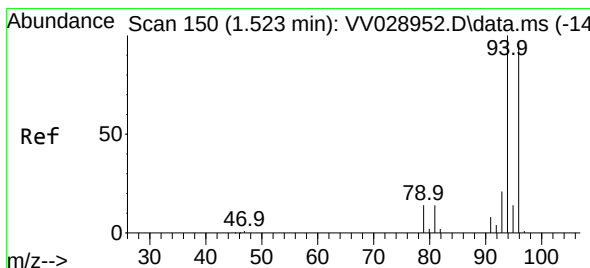
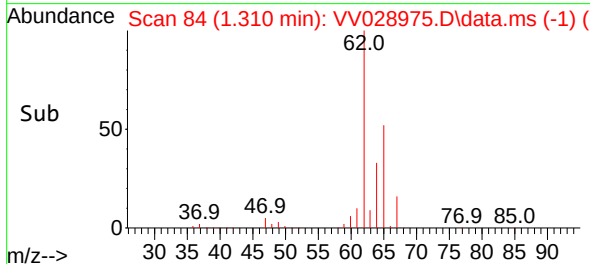
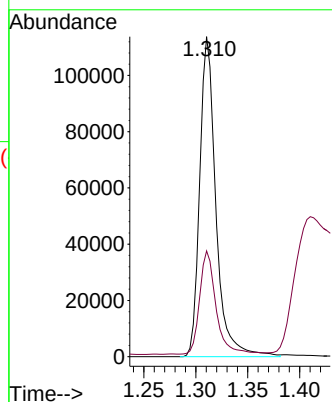
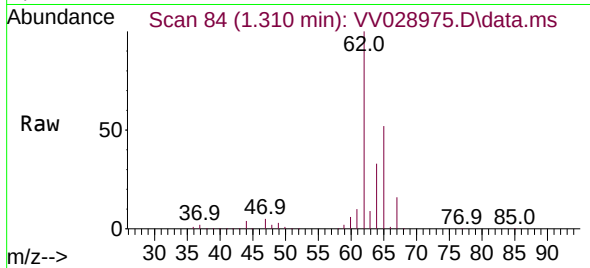




#5  
 Vinyl chloride  
 Concen: 5.221 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

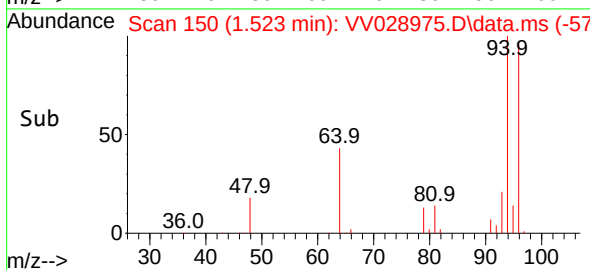
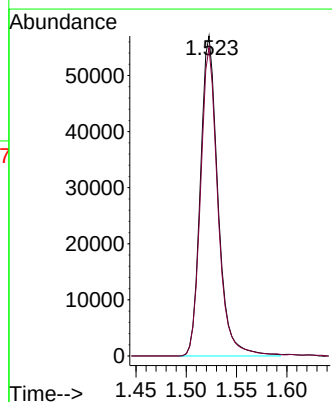
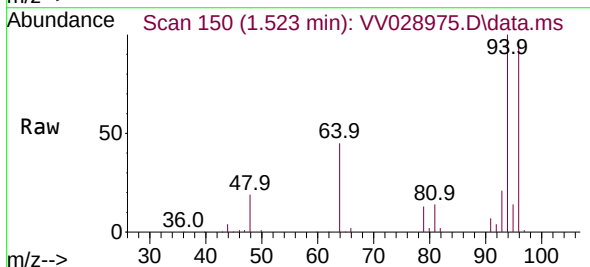
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

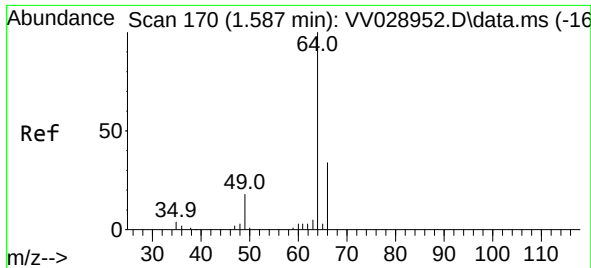
Tgt Ion: 62 Resp: 123212  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 22.8 42.4



#6  
 Bromomethane  
 Concen: 4.911 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion: 94 Resp: 69278  
 Ion Ratio Lower Upper  
 94 100  
 96 96.4 68.5 127.3

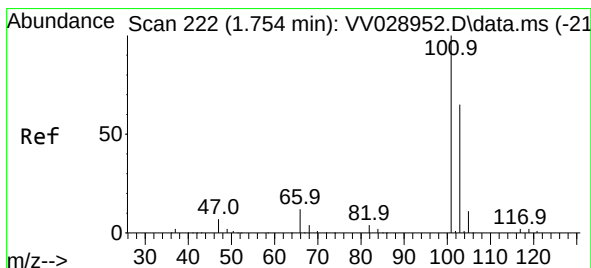
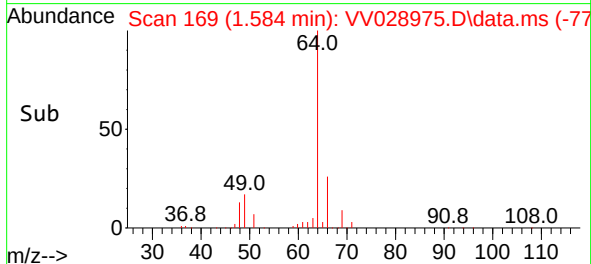
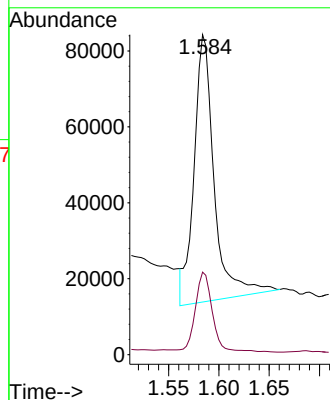
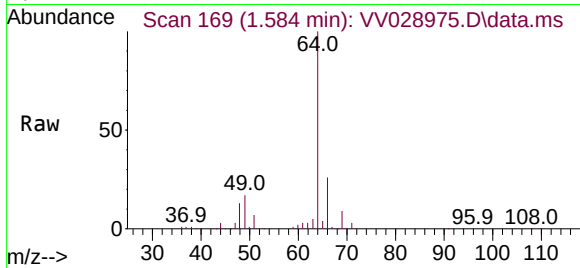




#8  
Chloroethane  
Concen: 7.048 ug/L  
RT: 1.584 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

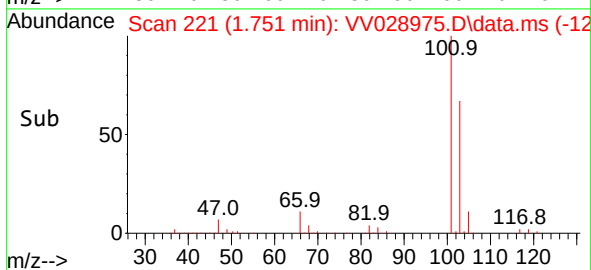
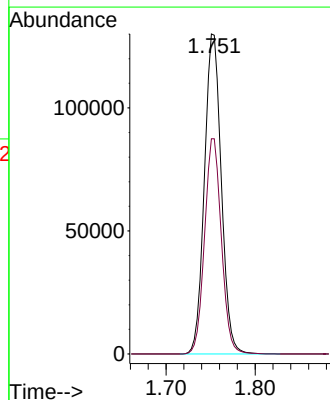
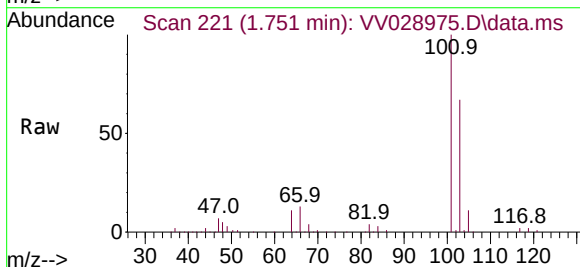
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

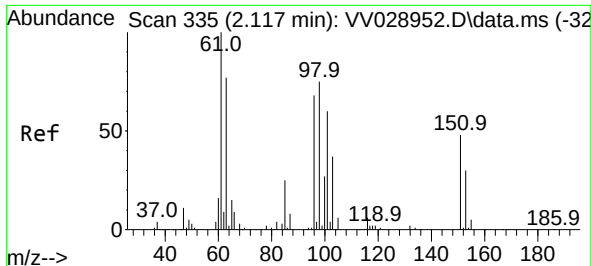
Tgt Ion: 64 Resp: 97741  
Ion Ratio Lower Upper  
64 100  
66 25.8 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 5.377 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion:101 Resp: 171106  
Ion Ratio Lower Upper  
101 100  
103 66.8 51.3 76.9

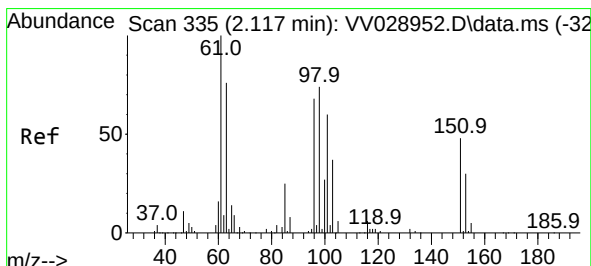
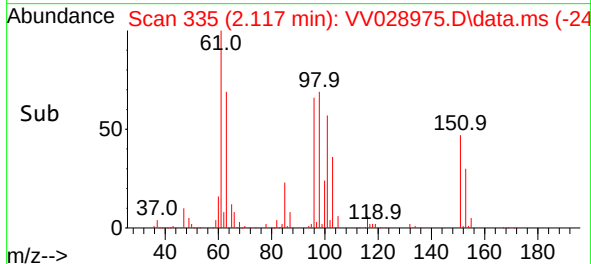
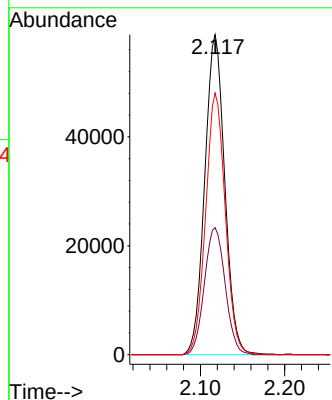
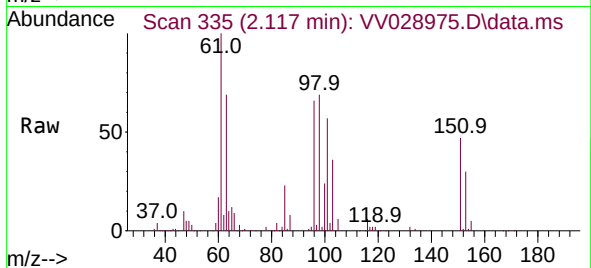




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.395 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

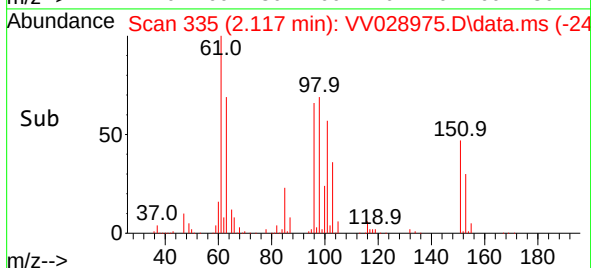
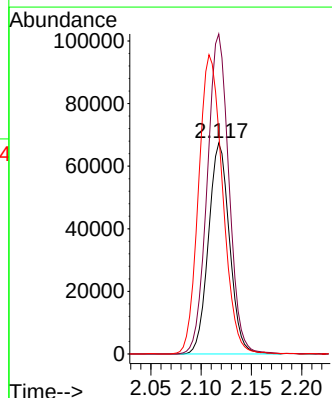
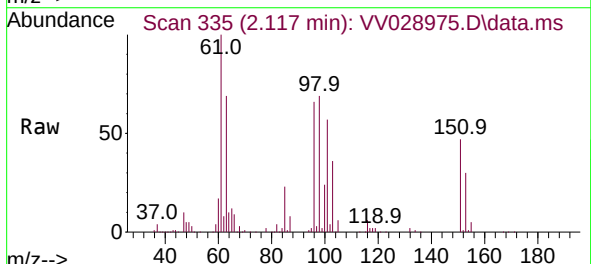
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

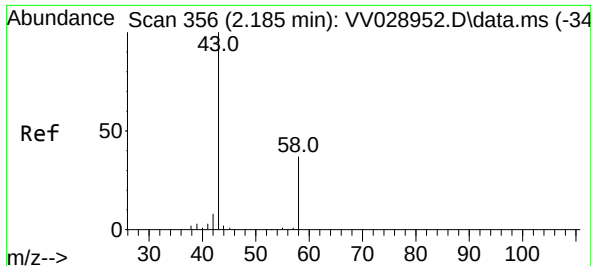
Tgt Ion:101 Resp: 97199  
 Ion Ratio Lower Upper  
 101 100  
 85 41.2 32.9 49.3  
 151 80.4 62.5 93.7



#12  
 1,1-Dichloroethene  
 Concen: 5.407 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion: 96 Resp: 97887  
 Ion Ratio Lower Upper  
 96 100  
 61 151.8 104.2 193.4  
 63 105.3 75.9 140.9





#13

Acetone

Concen: 52.541 ug/L

RT: 2.185 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

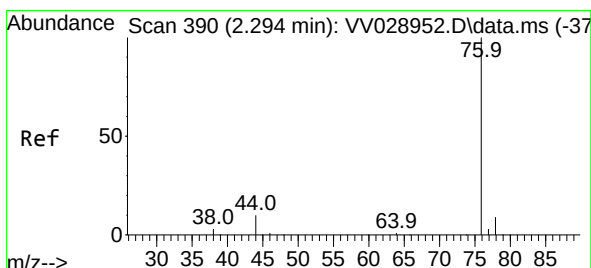
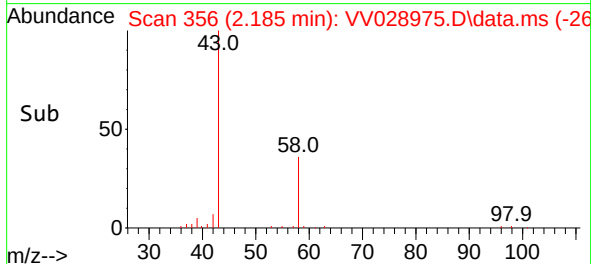
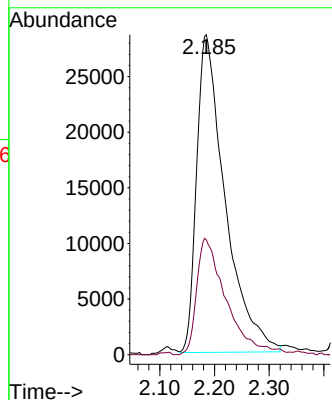
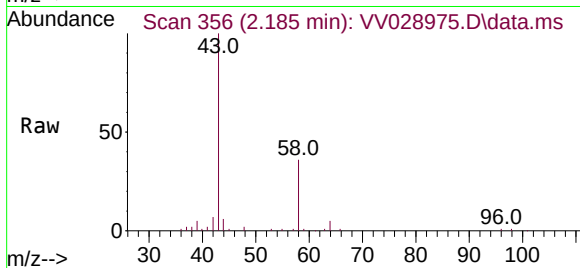
VSTD005346

Tgt Ion: 43 Resp: 103153

Ion Ratio Lower Upper

43 100

58 37.3 0.0 56.6



#14

Carbon disulfide

Concen: 5.084 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV028975.D

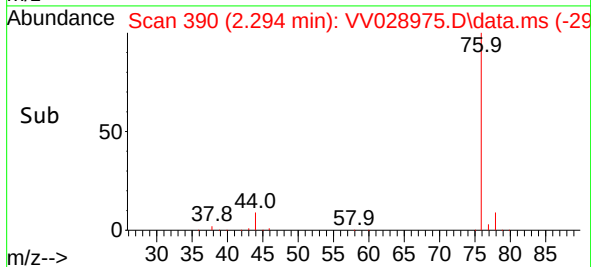
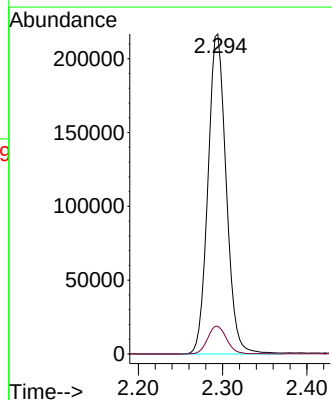
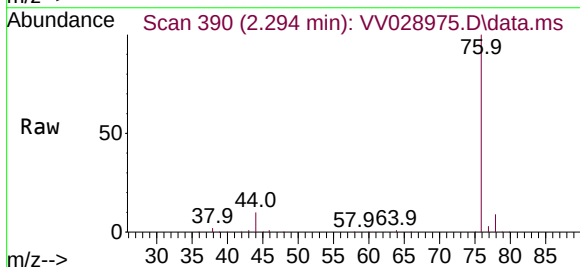
Acq: 15 Nov 2022 06:39

Tgt Ion: 76 Resp: 326872

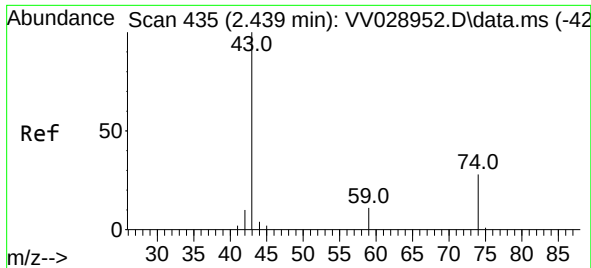
Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



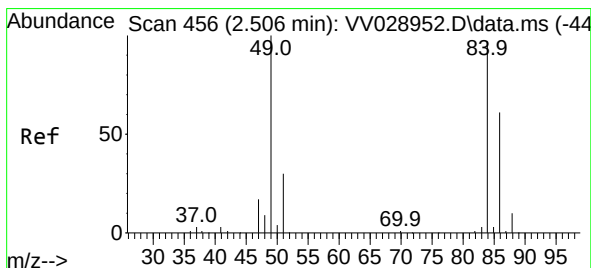
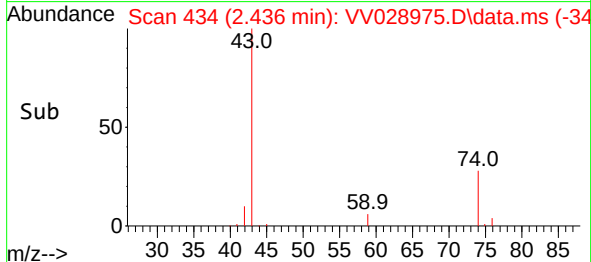
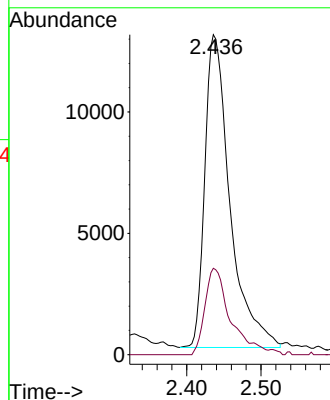
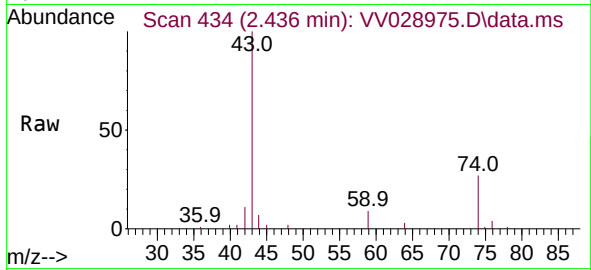




#15  
Methyl Acetate  
Concen: 6.353 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

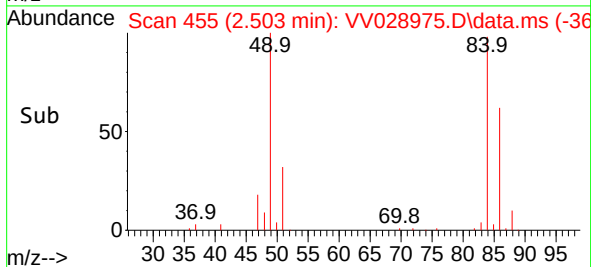
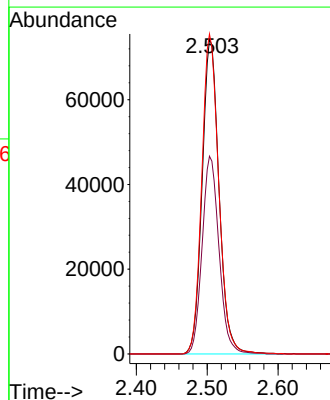
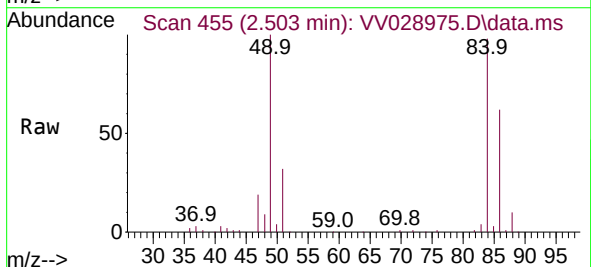
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

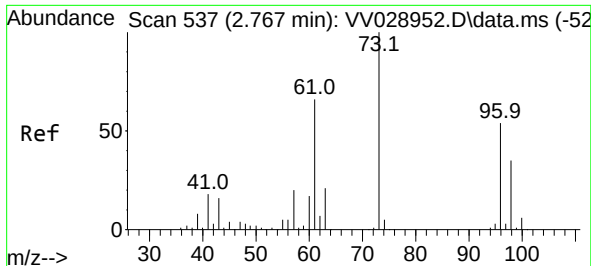
Tgt Ion: 43 Resp: 30268  
Ion Ratio Lower Upper  
43 100  
74 27.8 24.6 37.0



#16  
Methylene chloride  
Concen: 5.251 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 84 Resp: 122921  
Ion Ratio Lower Upper  
84 100  
86 62.9 45.8 85.0  
49 101.8 75.5 140.1

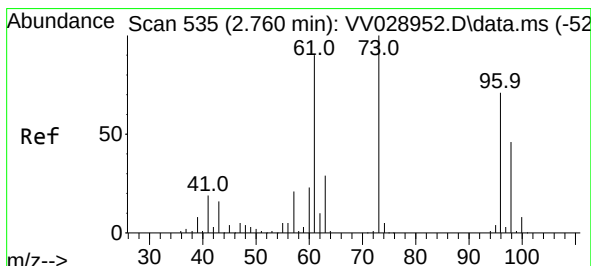
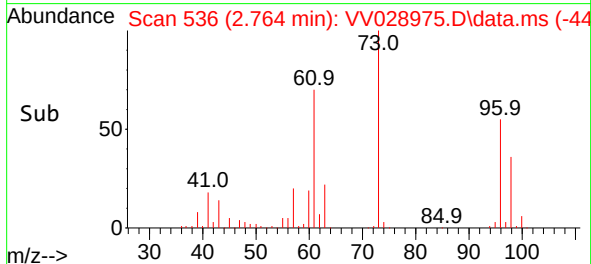
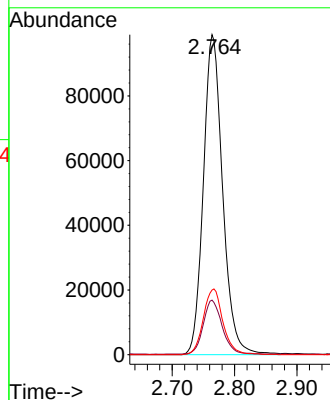
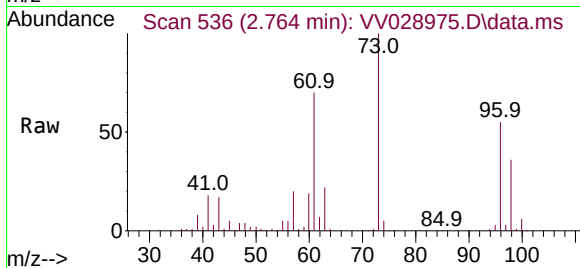




#17  
Methyl tert-butyl Ether  
Concen: 5.486 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

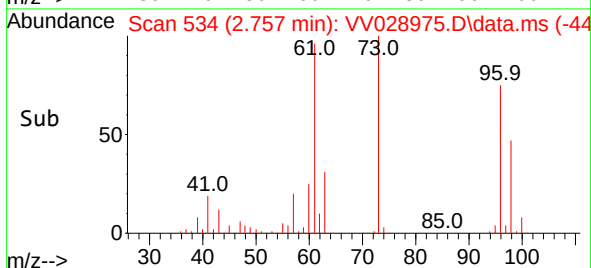
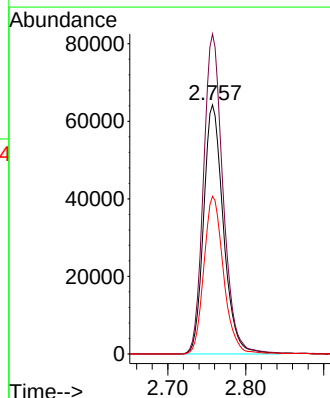
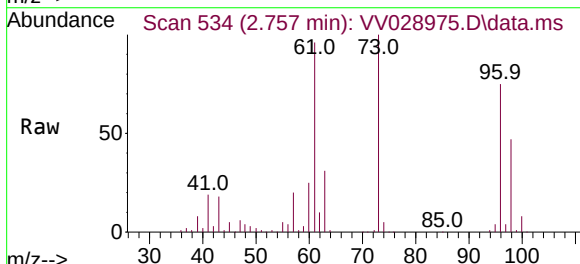
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

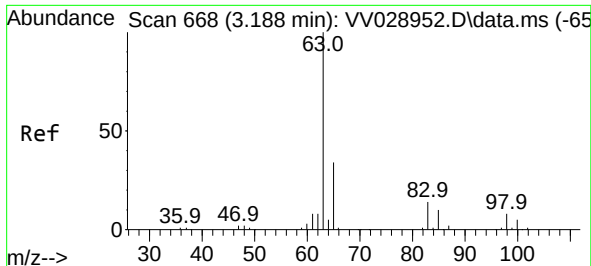
Tgt Ion: 73 Resp: 212950  
Ion Ratio Lower Upper  
73 100  
43 16.4 13.0 19.4  
57 20.9 16.6 24.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.392 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 96 Resp: 113212  
Ion Ratio Lower Upper  
96 100  
61 128.5 91.8 170.6  
98 63.4 46.4 86.2





#19

1,1-Dichloroethane

Concen: 5.489 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005346

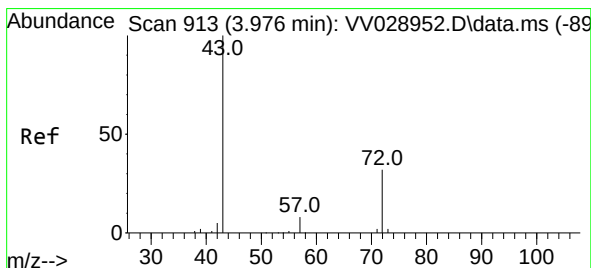
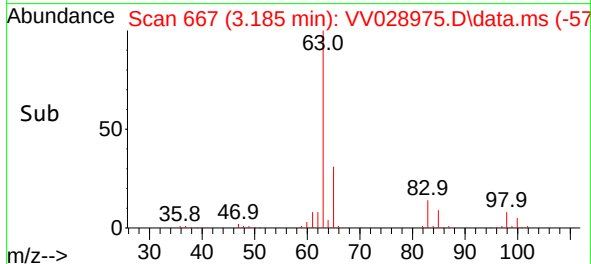
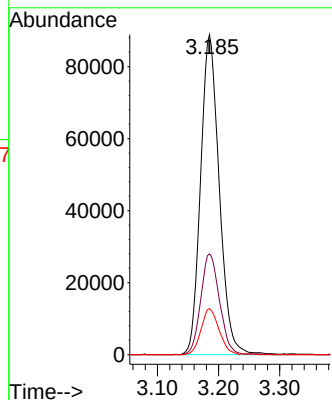
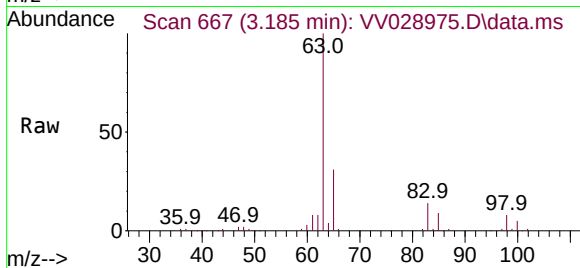
Tgt Ion: 63 Resp: 188412

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.6

83 14.4 9.4 17.6



#21

2-Butanone

Concen: 59.868 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.003 min

Lab File: VV028975.D

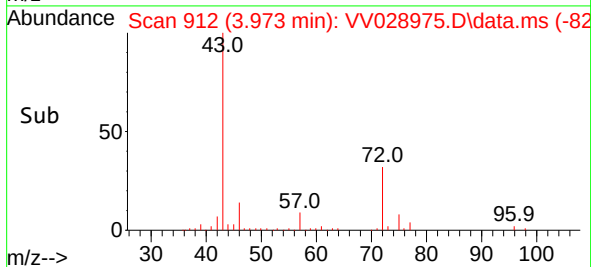
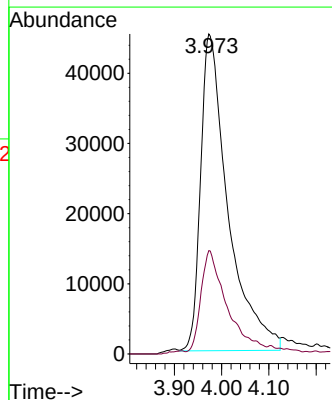
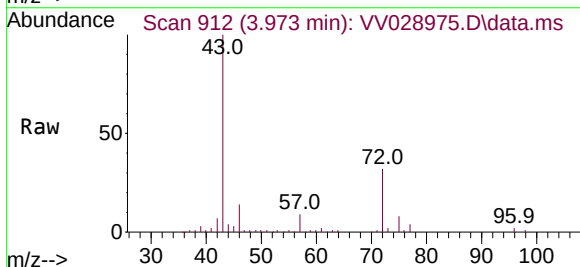
Acq: 15 Nov 2022 06:39

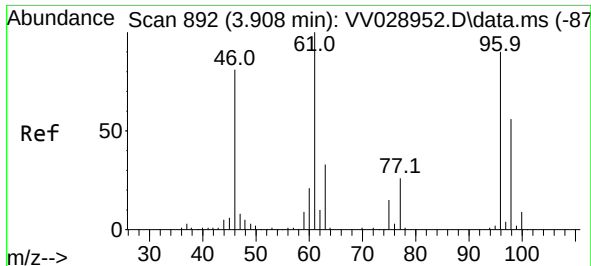
Tgt Ion: 43 Resp: 181973

Ion Ratio Lower Upper

43 100

72 29.9 11.9 35.9

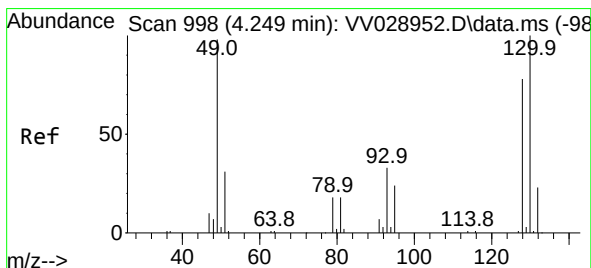
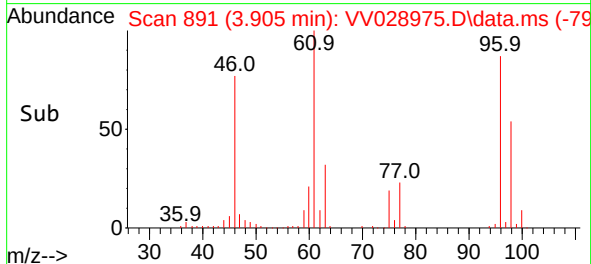
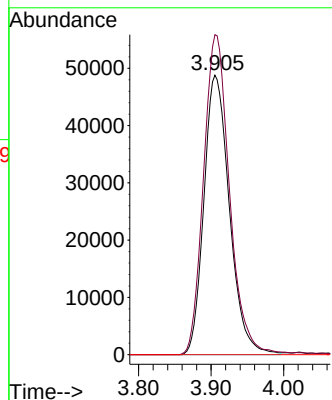
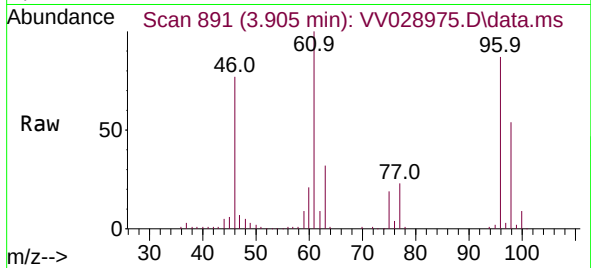




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.603 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. -0.003 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

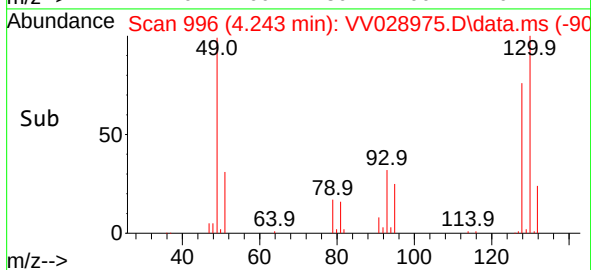
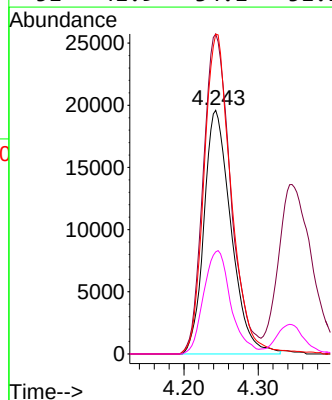
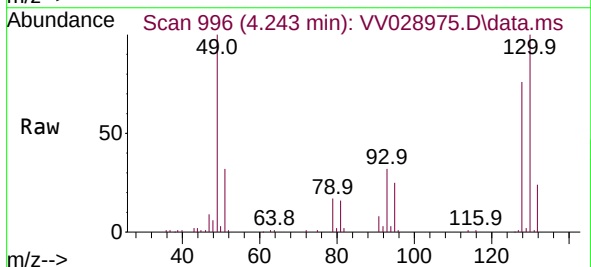
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

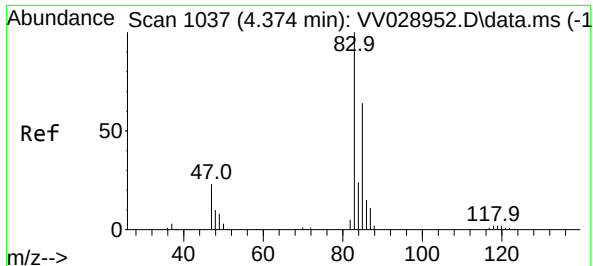
Tgt Ion: 96 Resp: 119616  
 Ion Ratio Lower Upper  
 96 100  
 61 114.5 82.3 152.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.490 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. -0.006 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion: 128 Resp: 49564  
 Ion Ratio Lower Upper  
 128 100  
 49 131.3 89.5 166.1  
 130 131.3 84.4 156.8  
 51 41.9 34.1 51.1





#25

Chloroform

Concen: 5.356 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

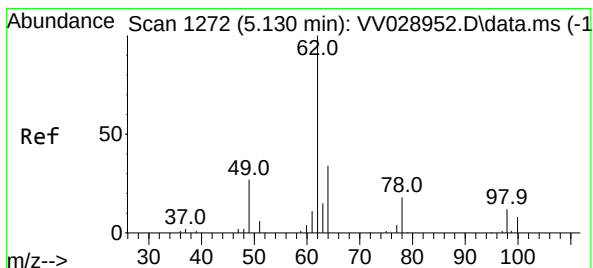
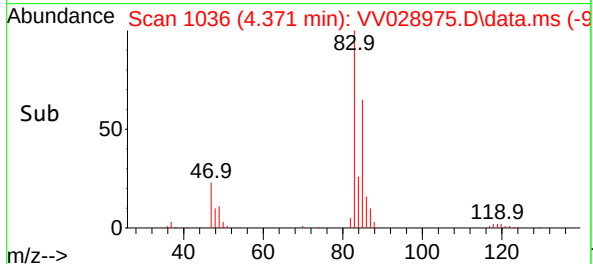
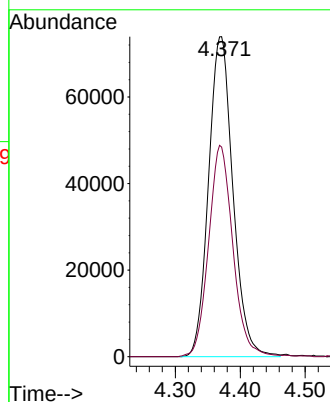
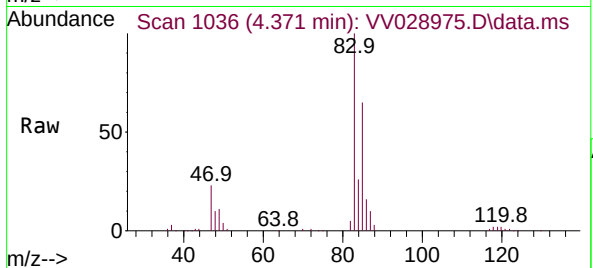
VSTD005346

Tgt Ion: 83 Resp: 192740

Ion Ratio Lower Upper

83 100

85 65.5 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.507 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV028975.D

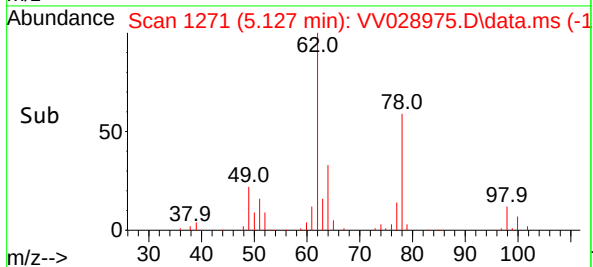
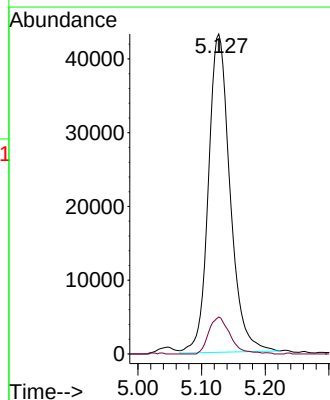
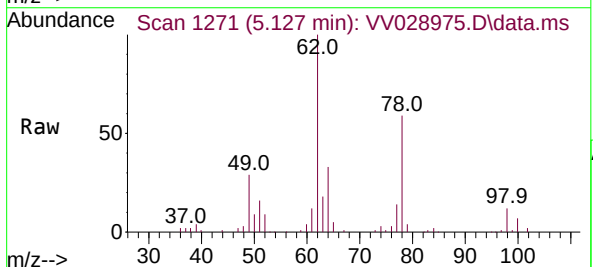
Acq: 15 Nov 2022 06:39

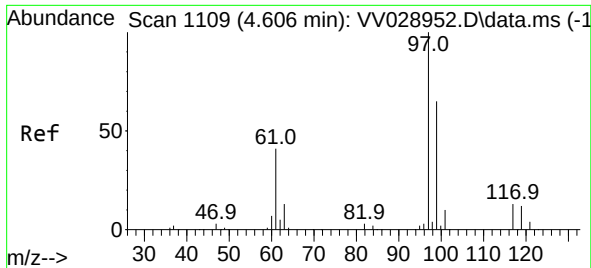
Tgt Ion: 62 Resp: 102069

Ion Ratio Lower Upper

62 100

98 11.5 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 5.127 ug/L

RT: 4.603 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005346

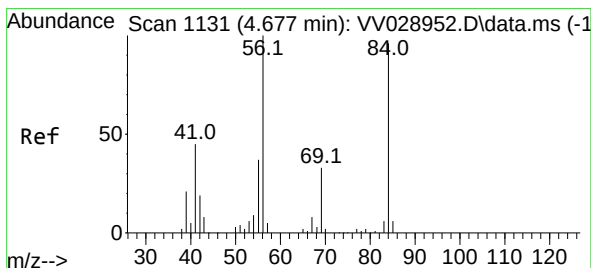
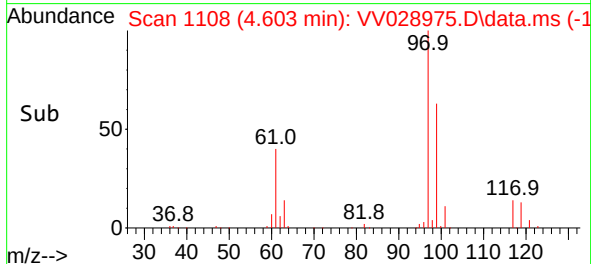
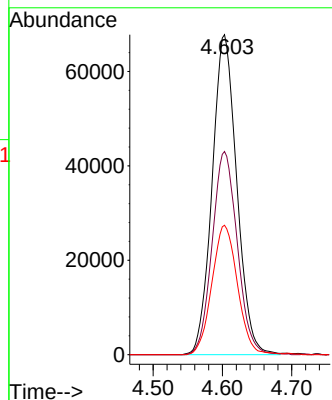
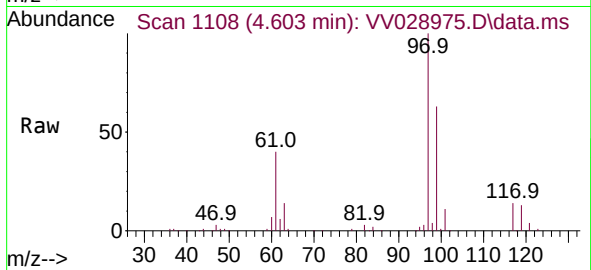
Tgt Ion: 97 Resp: 167770

Ion Ratio Lower Upper

97 100

99 64.9 52.7 79.1

61 42.0 33.8 50.6



#30

Cyclohexane

Concen: 5.125 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

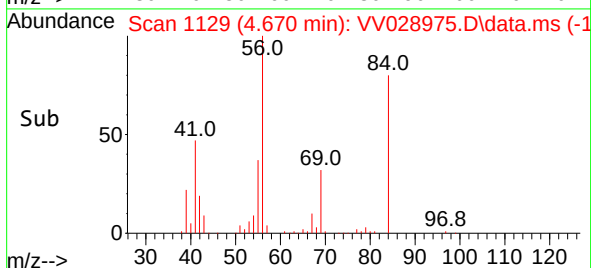
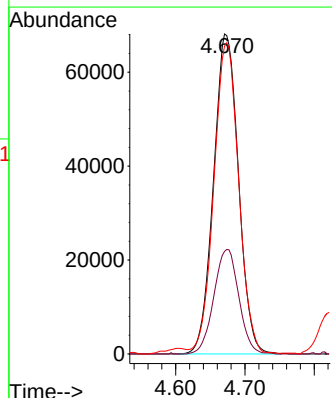
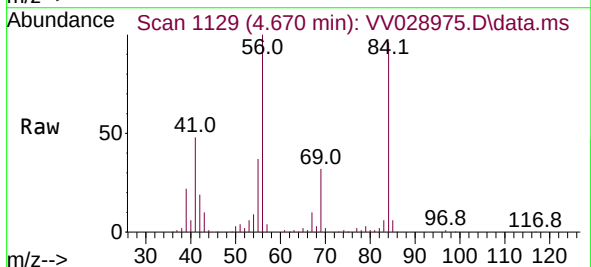
Tgt Ion: 56 Resp: 170448

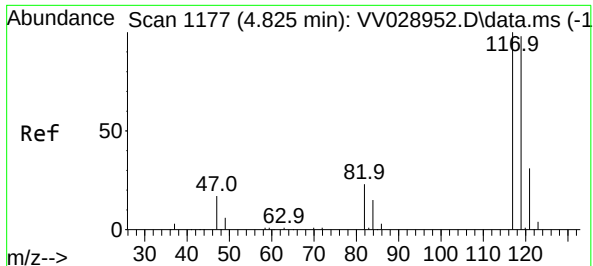
Ion Ratio Lower Upper

56 100

69 32.7 26.1 39.1

84 96.5 77.9 116.9

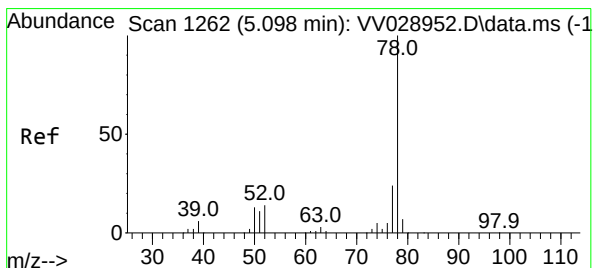
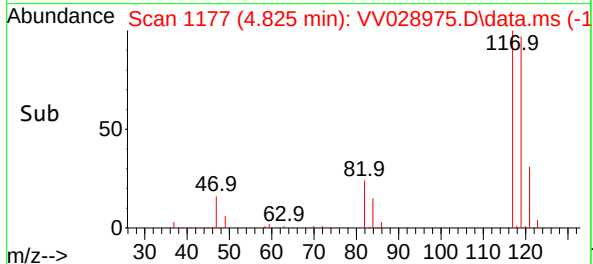
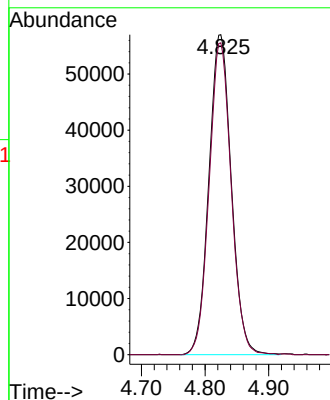
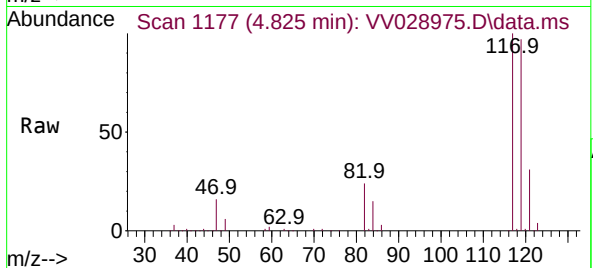




#31  
Carbon tetrachloride  
Concen: 4.957 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

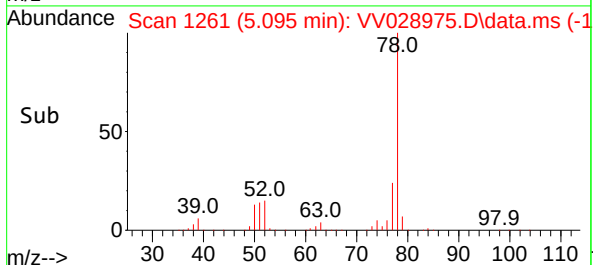
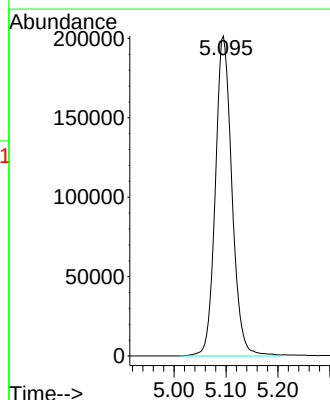
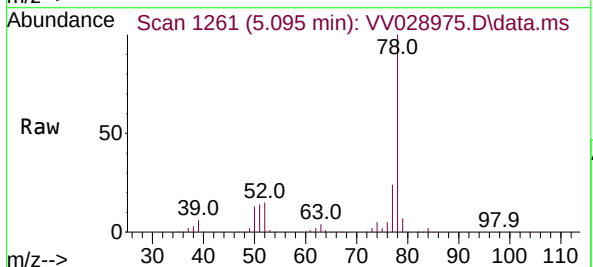
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

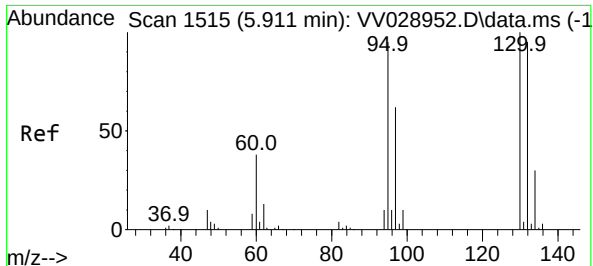
Tgt Ion:117 Resp: 139679  
Ion Ratio Lower Upper  
117 100  
119 95.7 77.0 115.6



#33  
Benzene  
Concen: 5.247 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 78 Resp: 447131

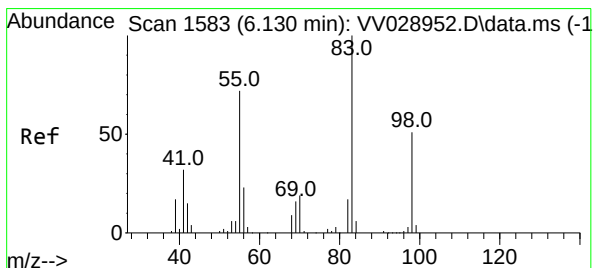
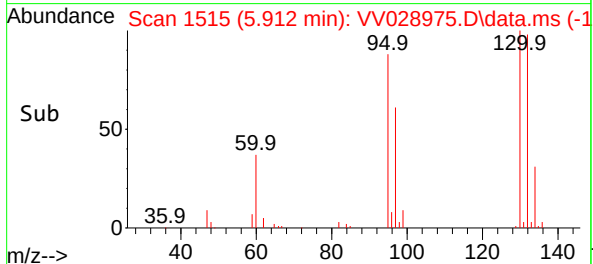
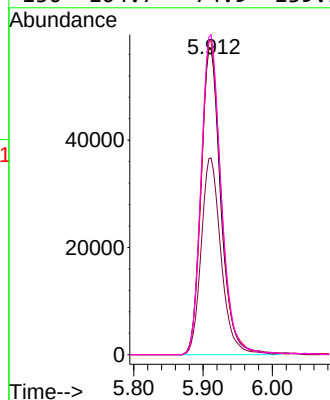
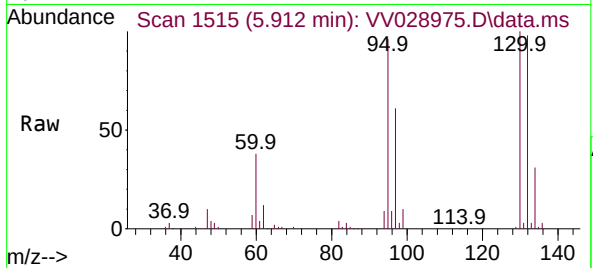




#34  
Trichloroethene  
Concen: 5.216 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

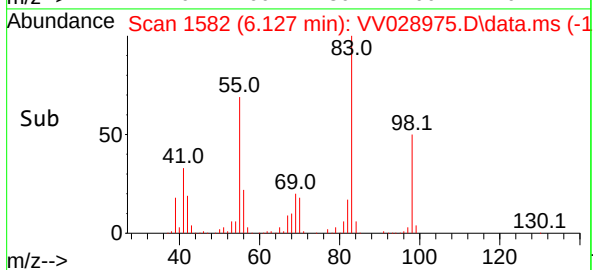
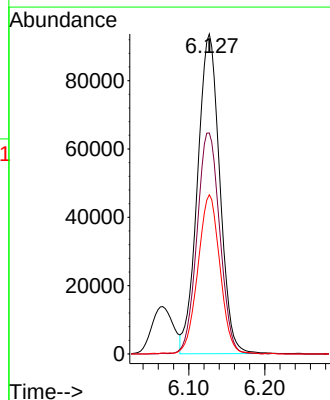
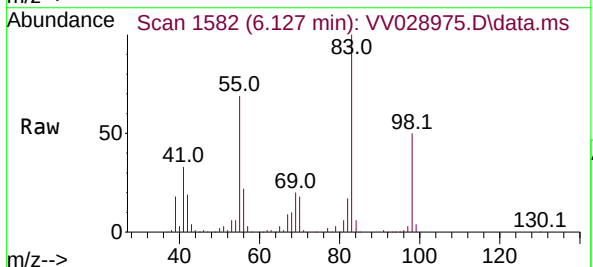
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

Tgt Ion: 95 Resp: 113777  
Ion Ratio Lower Upper  
95 100  
97 64.3 45.6 84.8  
132 102.5 69.1 128.3  
130 104.7 74.9 139.1

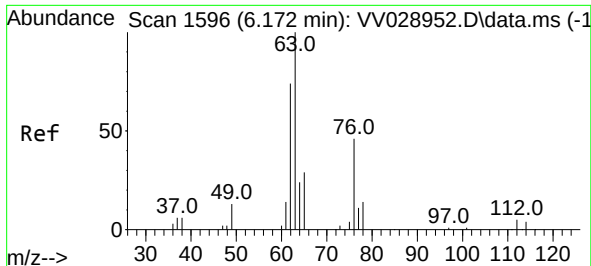


#35  
Methylcyclohexane  
Concen: 4.960 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 83 Resp: 190175  
Ion Ratio Lower Upper  
83 100  
55 70.7 55.8 83.6  
98 49.4 38.2 57.2







#37

1,2-Dichloropropane

Concen: 5.106 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

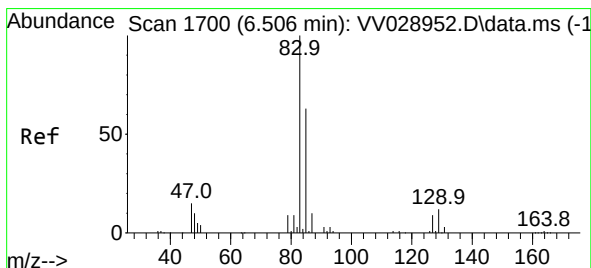
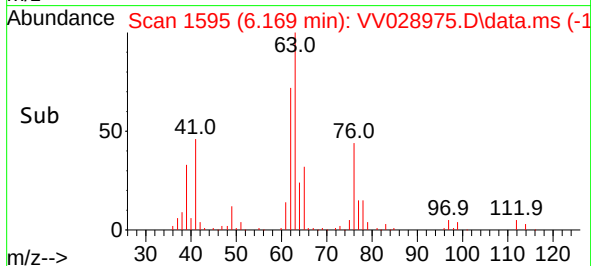
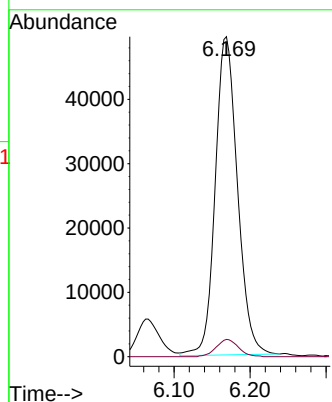
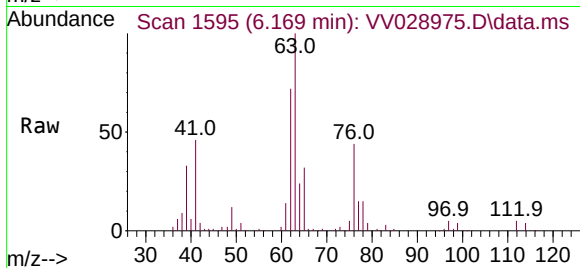
VSTD005346

Tgt Ion: 63 Resp: 100344

Ion Ratio Lower Upper

63 100

112 5.4 4.0 6.0



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

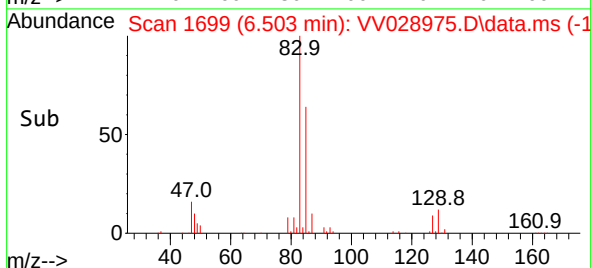
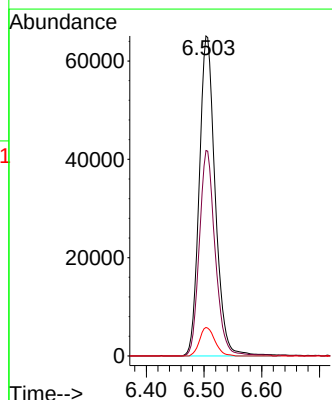
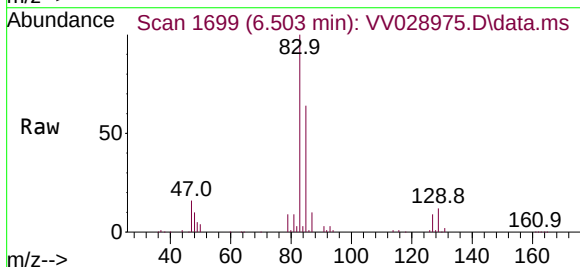
Tgt Ion: 83 Resp: 124960

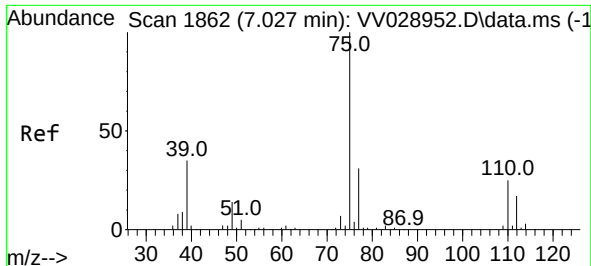
Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.445 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

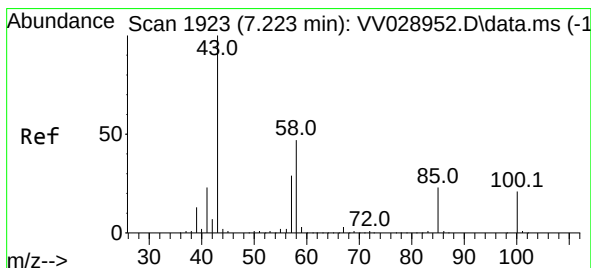
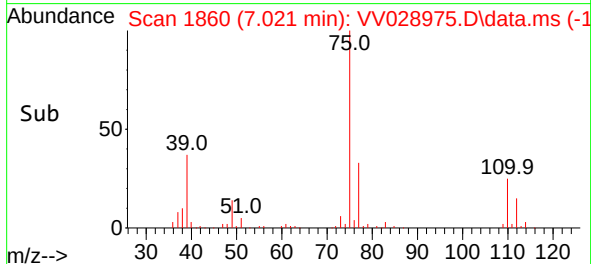
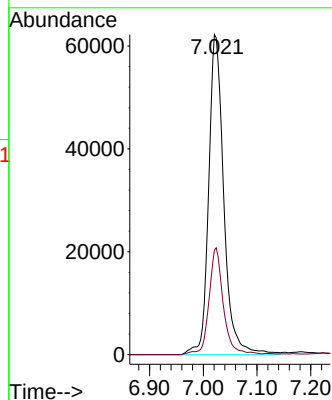
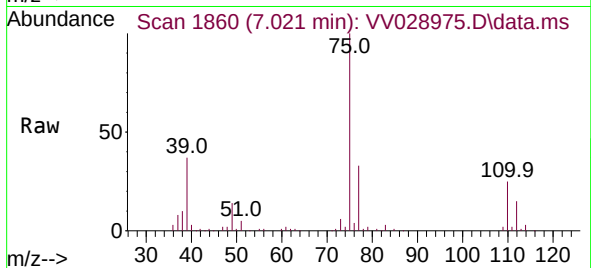
VSTD005346

Tgt Ion: 75 Resp: 121924

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 55.004 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

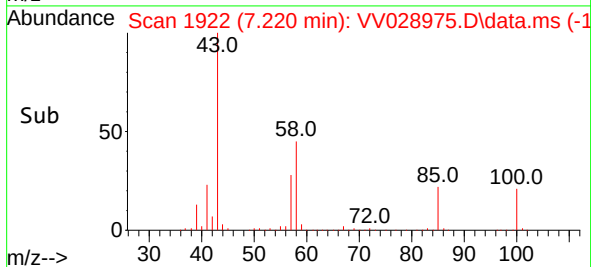
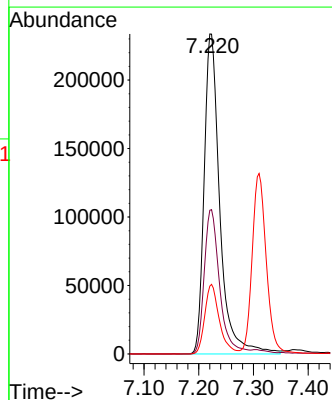
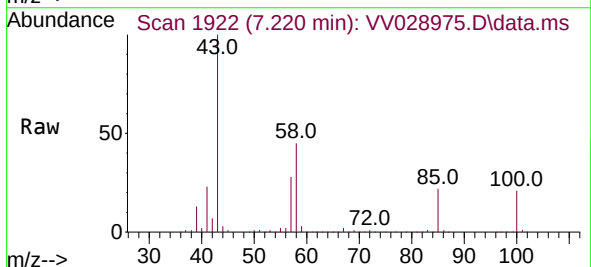
Tgt Ion: 43 Resp: 465017

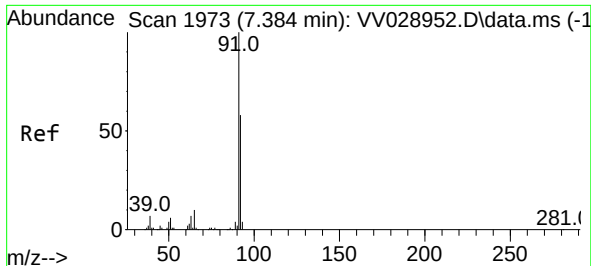
Ion Ratio Lower Upper

43 100

58 44.3 36.6 55.0

100 20.2 14.5 21.7





#42

Toluene

Concen: 5.262 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

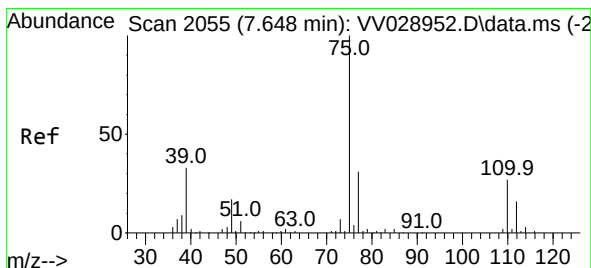
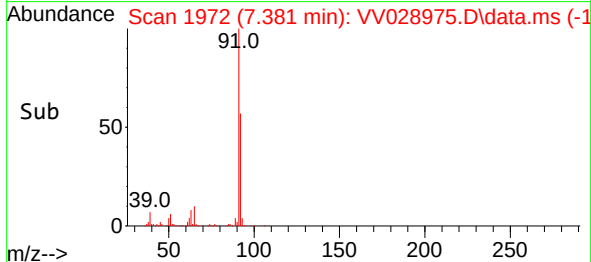
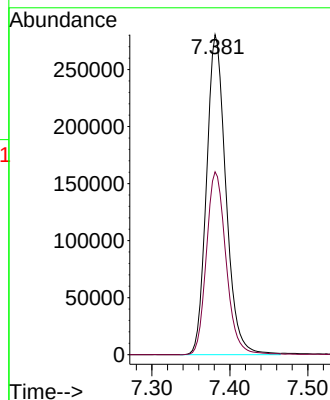
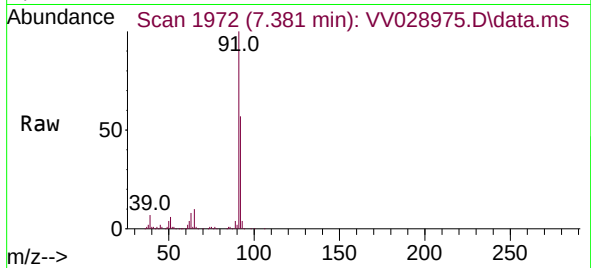
VSTD005346

Tgt Ion: 91 Resp: 484373

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.246 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV028975.D

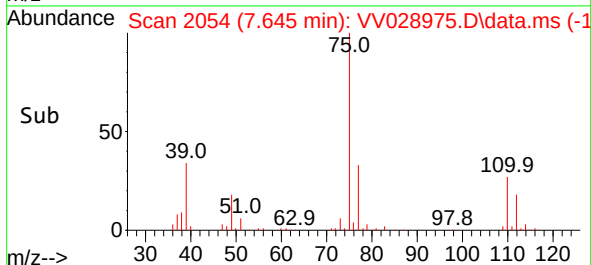
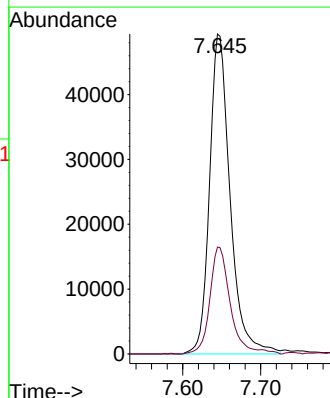
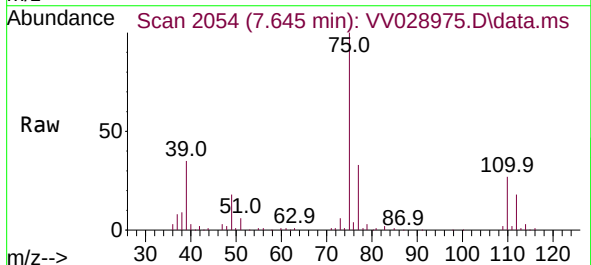
Acq: 15 Nov 2022 06:39

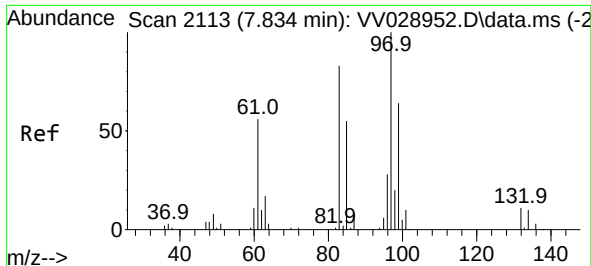
Tgt Ion: 75 Resp: 90435

Ion Ratio Lower Upper

75 100

77 33.4 22.2 41.2

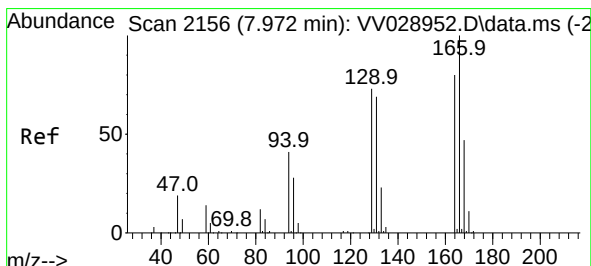
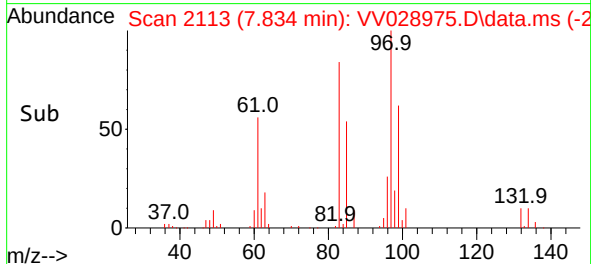
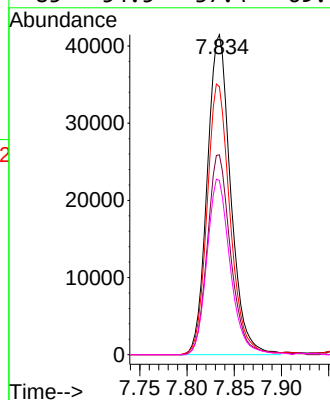
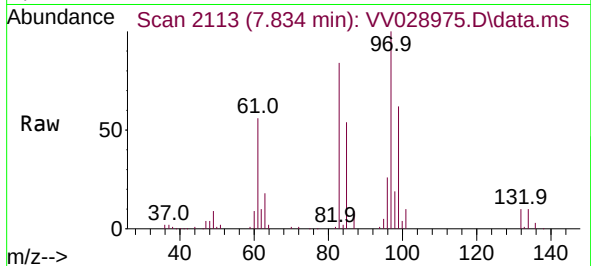




#45  
1,1,2-Trichloroethane  
Concen: 5.566 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

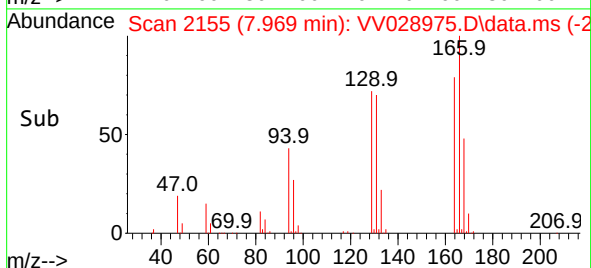
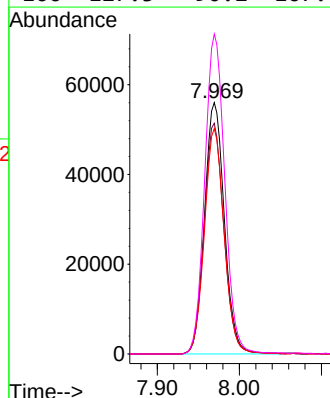
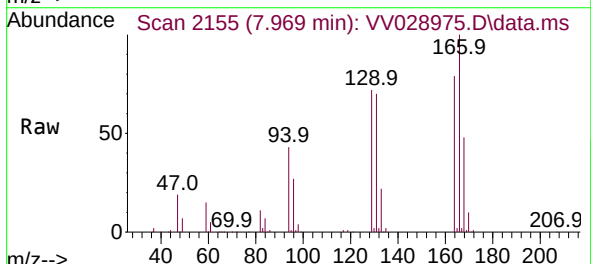
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

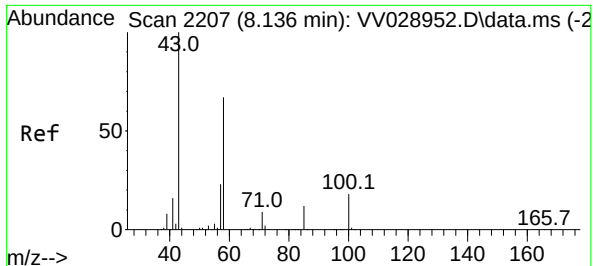
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 71597 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.4  | 41.5  | 77.1  |
| 83       | 83.7  | 60.0  | 111.4 |
| 85       | 54.5  | 37.4  | 69.4  |



#47  
Tetrachloroethene  
Concen: 5.394 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 94217 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 91.8  | 63.9  | 118.7 |
| 131      | 89.7  | 61.8  | 114.8 |
| 166      | 127.3 | 90.2  | 167.4 |



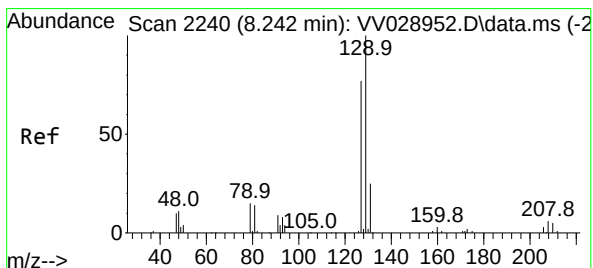
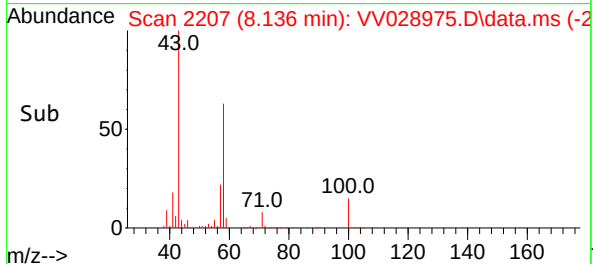
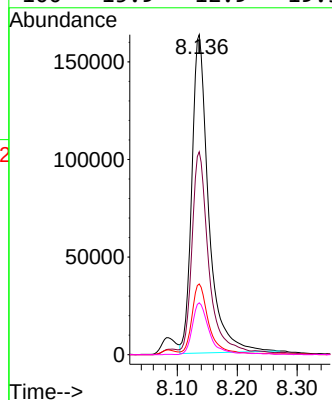
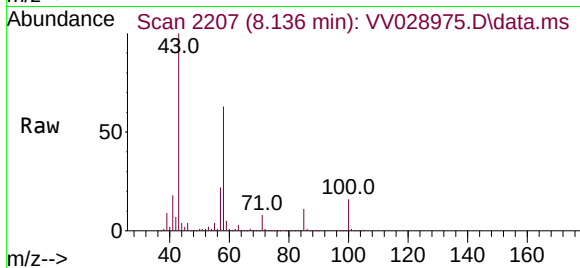


#48  
2-Hexanone  
Concen: 53.829 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

Tgt Ion: 43 Resp: 318783

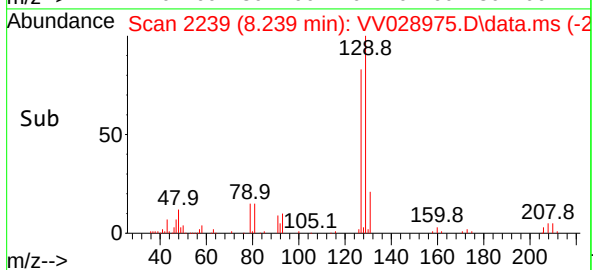
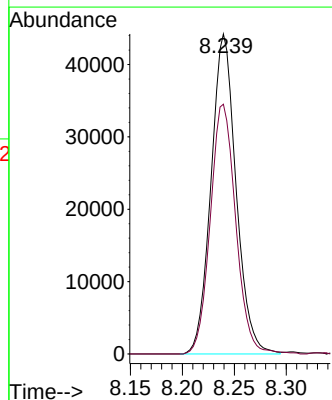
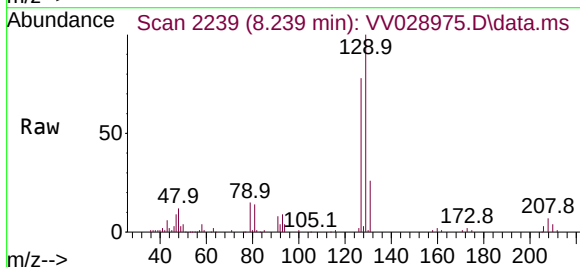
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.3  | 50.2  | 75.4  |
| 57  | 21.7  | 17.8  | 26.8  |
| 100 | 15.9  | 12.9  | 19.3  |

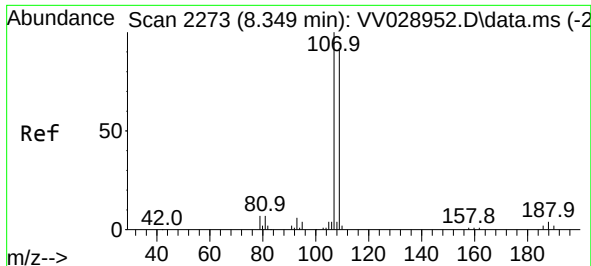


#49  
Dibromochloromethane  
Concen: 4.762 ug/L  
RT: 8.239 min Scan# 2239  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 129 Resp: 74058

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.1  | 54.5  | 101.1 |

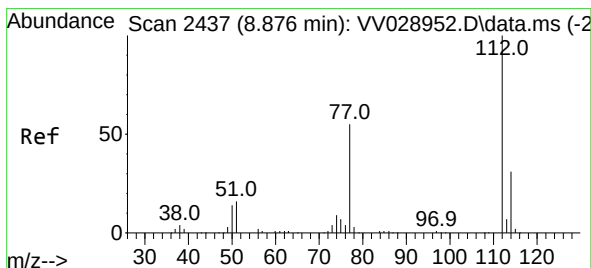
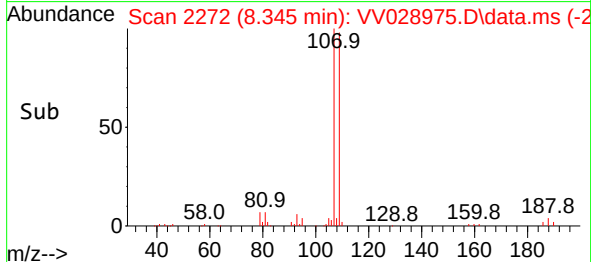
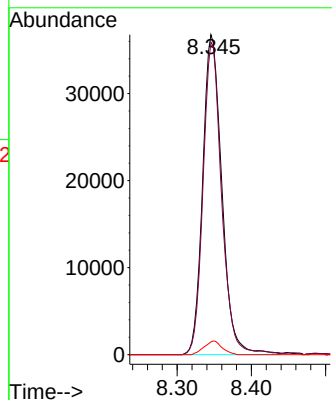
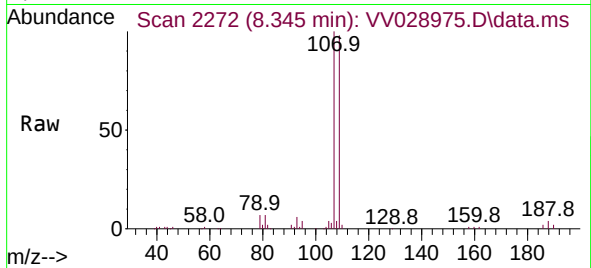




#50  
1,2-Dibromoethane  
Concen: 5.524 ug/L  
RT: 8.345 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

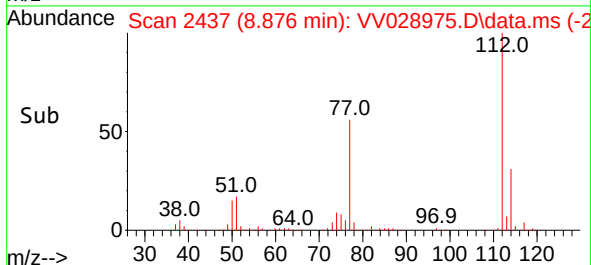
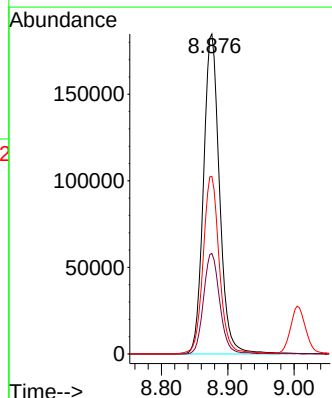
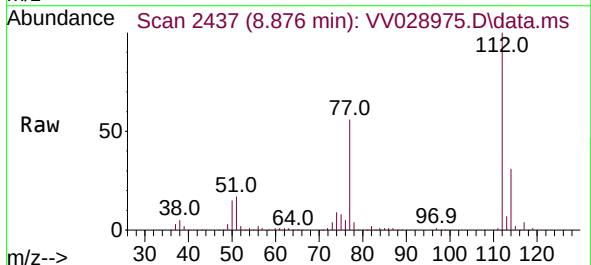
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

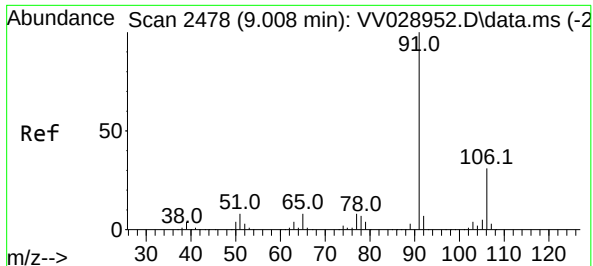
Tgt Ion:107 Resp: 66009  
Ion Ratio Lower Upper  
107 100  
109 97.6 64.4 119.6  
188 4.0 2.9 4.3



#51  
Chlorobenzene  
Concen: 5.449 ug/L  
RT: 8.876 min Scan# 2437  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion:112 Resp: 310120  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.4 41.6  
77 55.5 44.4 66.6

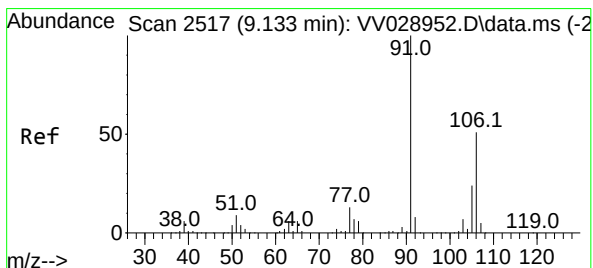
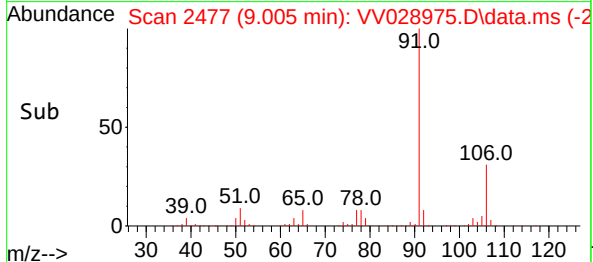
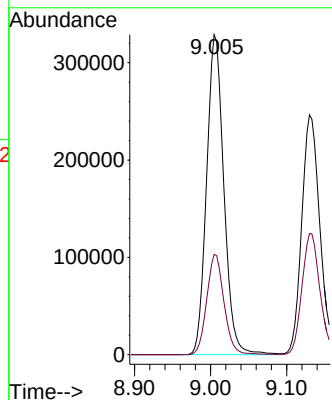
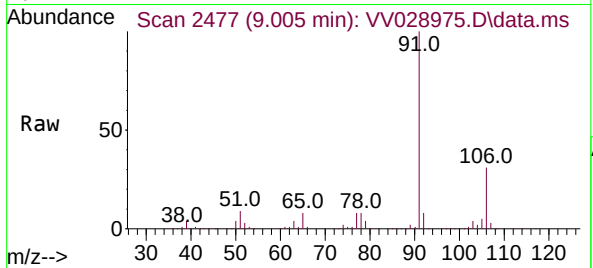




#52  
Ethylbenzene  
Concen: 5.415 ug/L  
RT: 9.005 min Scan# 2478  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

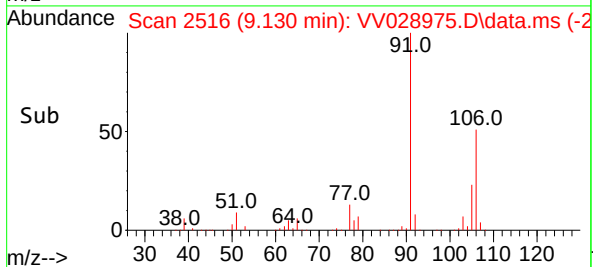
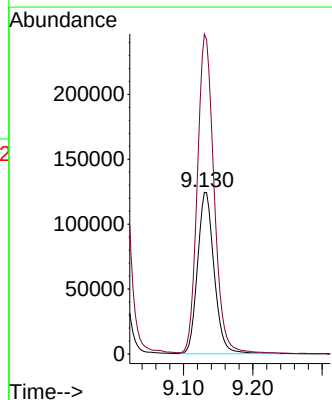
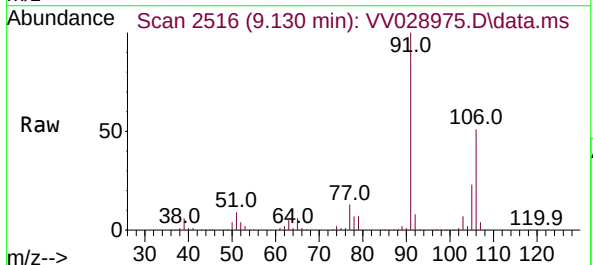
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

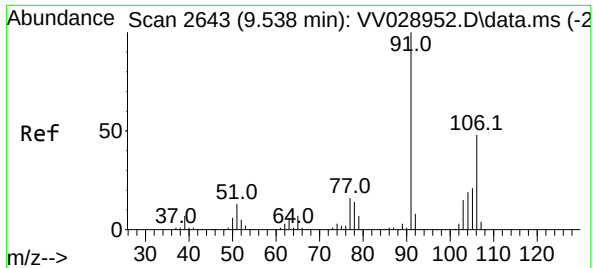
Tgt Ion: 91 Resp: 518933  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.6 40.2



#53  
m,p-Xylene  
Concen: 5.439 ug/L  
RT: 9.130 min Scan# 2516  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 106 Resp: 207325  
Ion Ratio Lower Upper  
106 100  
91 198.0 139.1 258.3

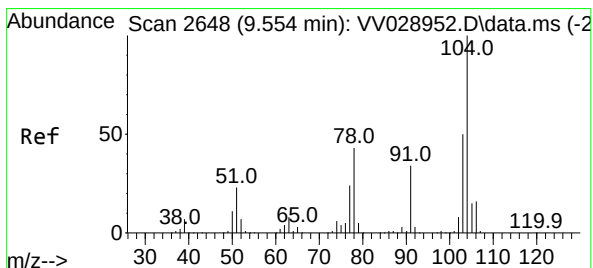
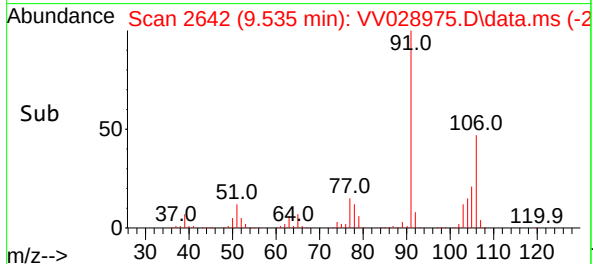
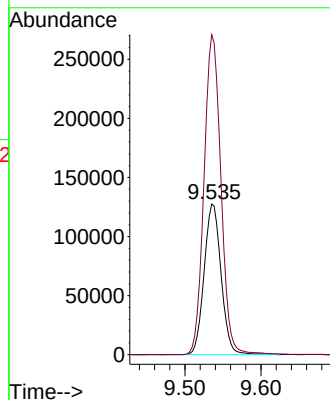
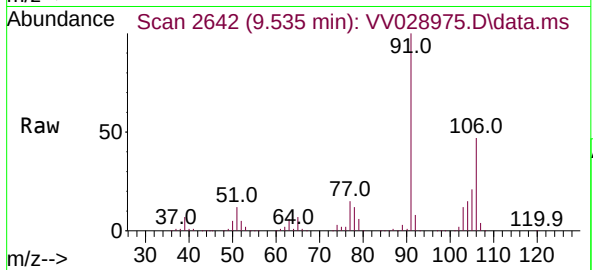




#54  
o-Xylene  
Concen: 5.468 ug/L  
RT: 9.535 min Scan# 2643  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

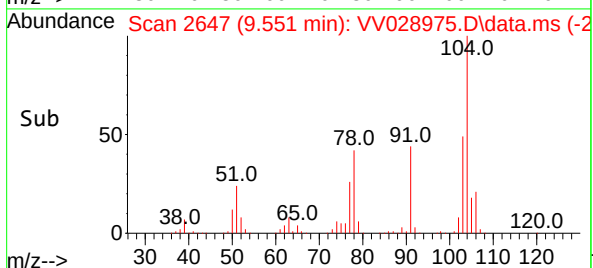
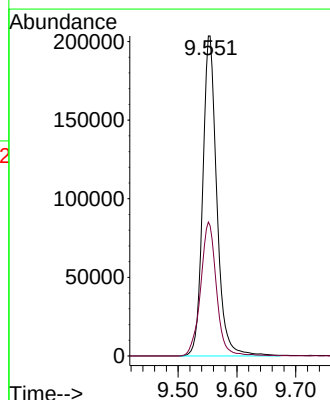
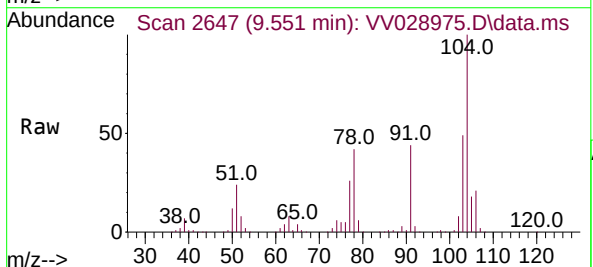
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

Tgt Ion:106 Resp: 198110  
Ion Ratio Lower Upper  
106 100  
91 212.4 145.7 270.7

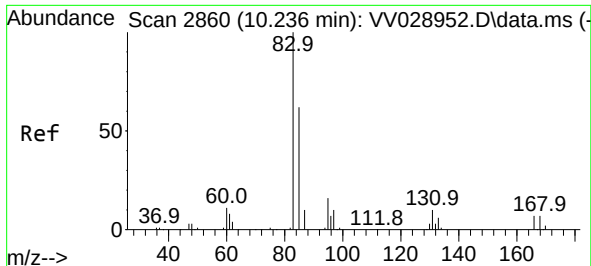


#55  
Styrene  
Concen: 5.579 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion:104 Resp: 339077  
Ion Ratio Lower Upper  
104 100  
78 41.9 30.1 55.9



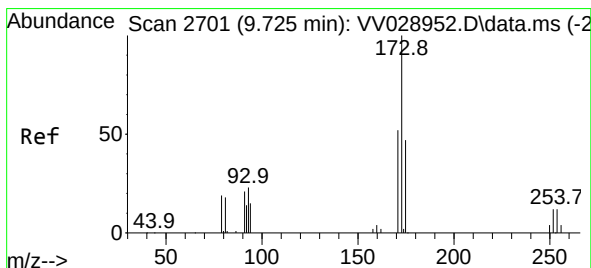
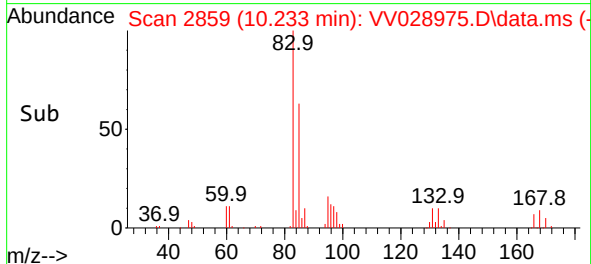
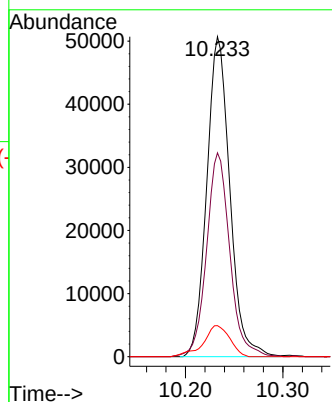
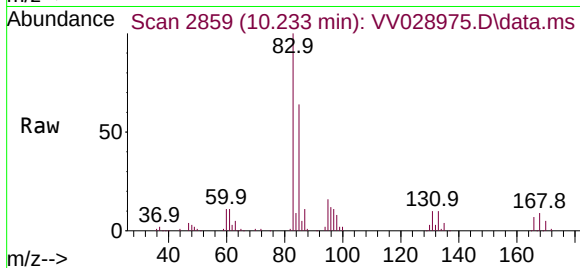




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.556 ug/L  
 RT: 10.233 min Scan# 2859  
 Delta R.T. -0.003 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

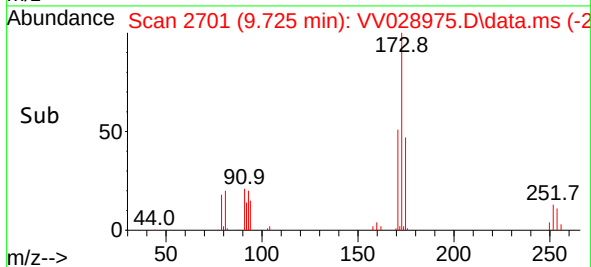
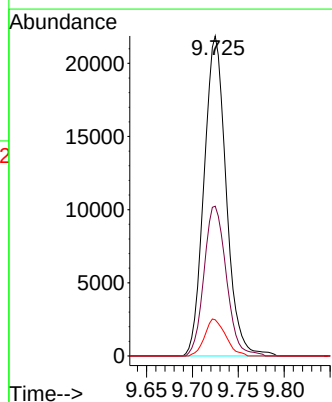
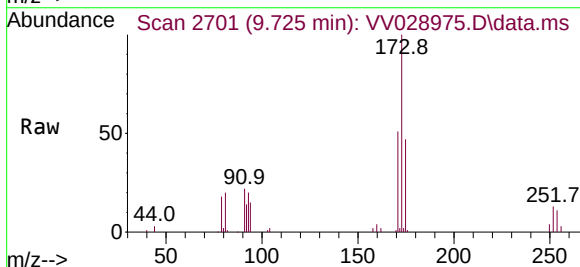
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

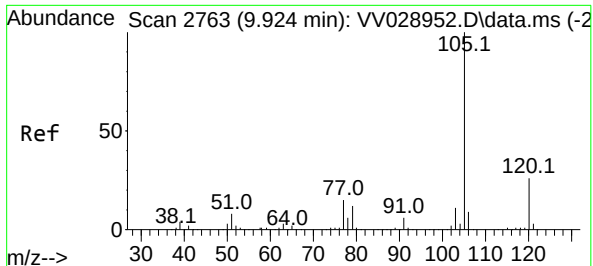
Tgt Ion: 83 Resp: 83293  
 Ion Ratio Lower Upper  
 83 100  
 85 63.7 45.2 84.0  
 131 9.7 7.5 11.3



#59  
 Bromoform  
 Concen: 4.565 ug/L  
 RT: 9.725 min Scan# 2701  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion: 173 Resp: 36711  
 Ion Ratio Lower Upper  
 173 100  
 175 47.3 38.2 57.4  
 254 10.9 8.5 12.7

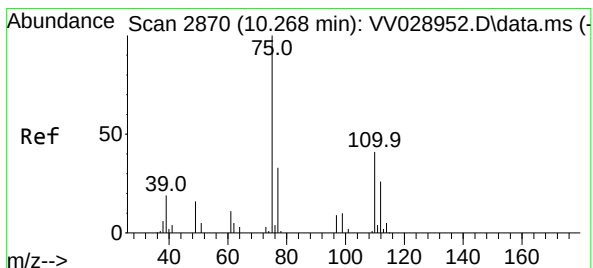
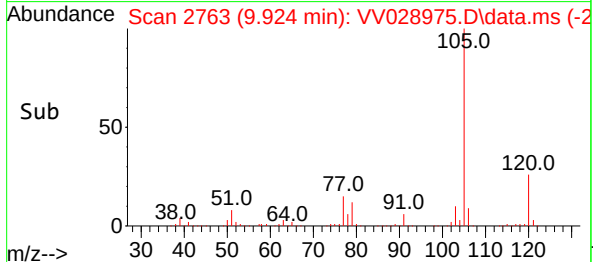
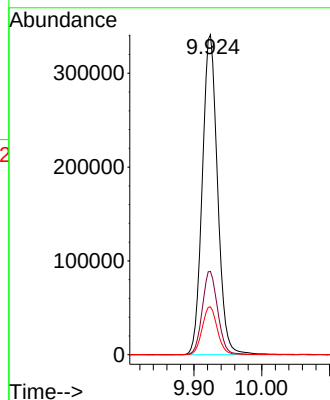
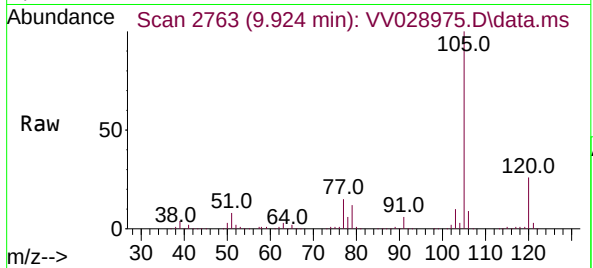




#60  
Isopropylbenzene  
Concen: 5.564 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

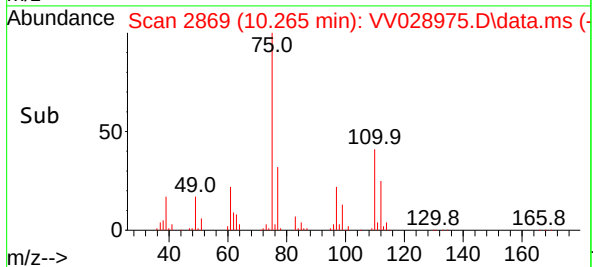
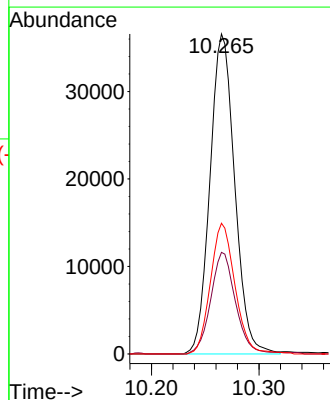
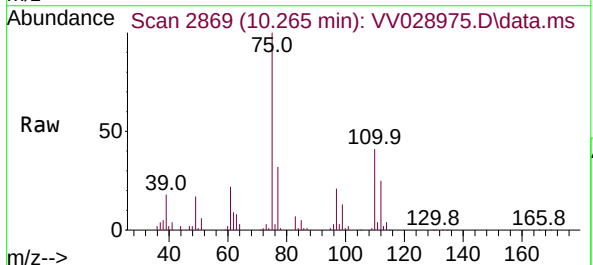
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

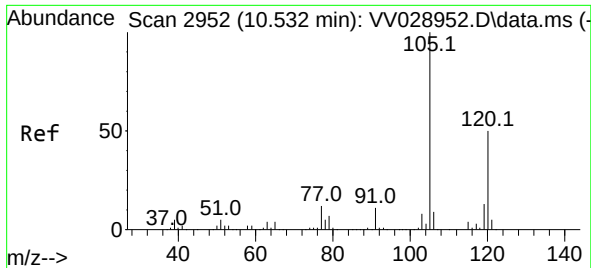
Tgt Ion:105 Resp: 532752  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.3 31.9  
77 14.8 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 5.798 ug/L  
RT: 10.265 min Scan# 2869  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 75 Resp: 58446  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.2 39.2  
110 40.7 32.6 48.8

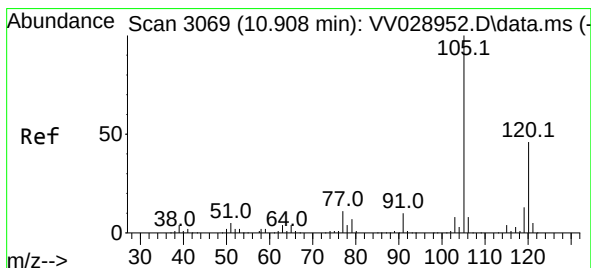
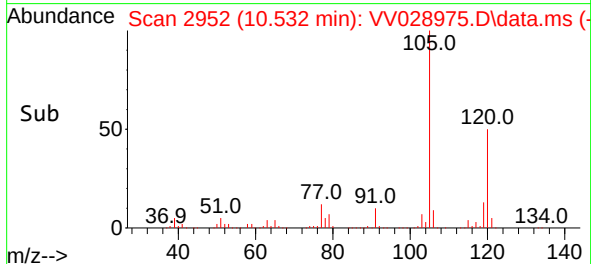
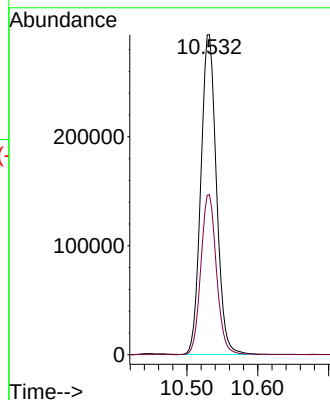
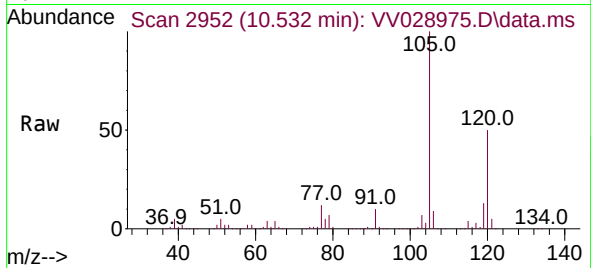




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.527 ug/L  
 RT: 10.532 min Scan# 2952  
 Delta R.T. 0.000 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

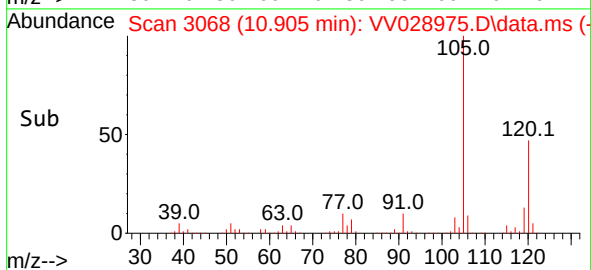
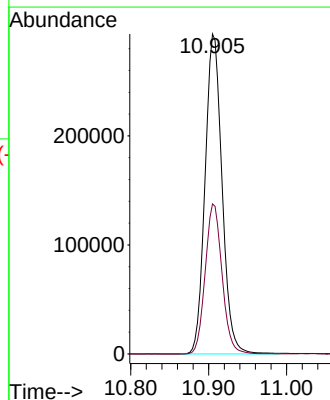
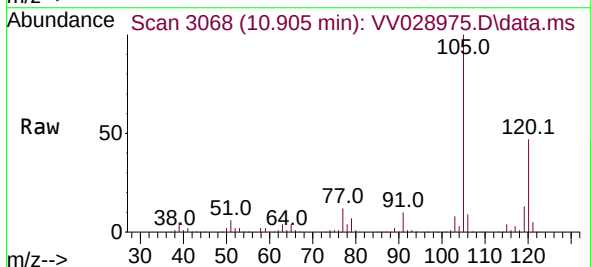
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

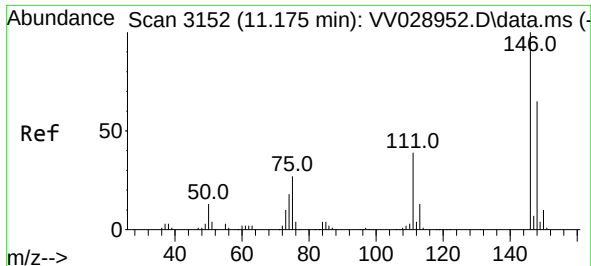
Tgt Ion:105 Resp: 448325  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 39.9 59.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.470 ug/L  
 RT: 10.905 min Scan# 3068  
 Delta R.T. -0.003 min  
 Lab File: VV028975.D  
 Acq: 15 Nov 2022 06:39

Tgt Ion:105 Resp: 444411  
 Ion Ratio Lower Upper  
 105 100  
 120 46.5 37.8 56.8

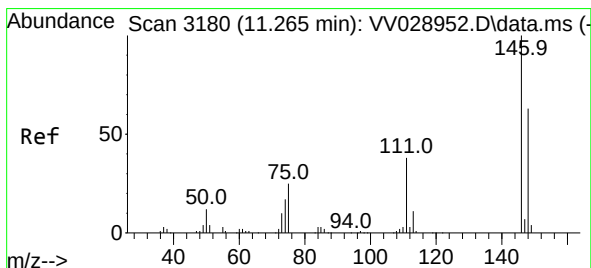
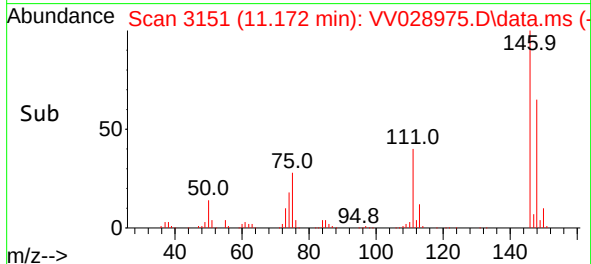
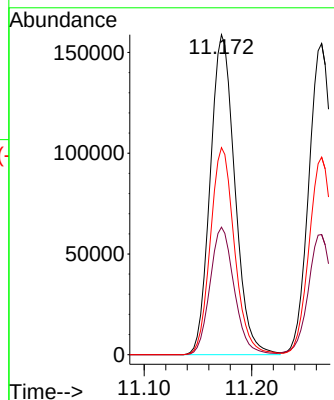
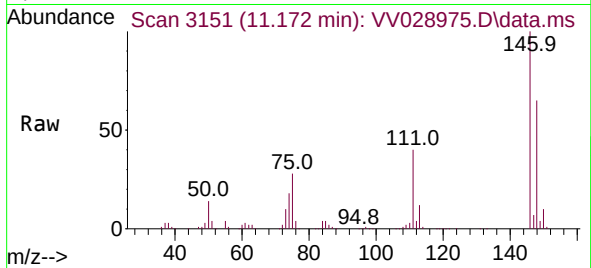




#64  
1,3-Dichlorobenzene  
Concen: 5.617 ug/L  
RT: 11.172 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

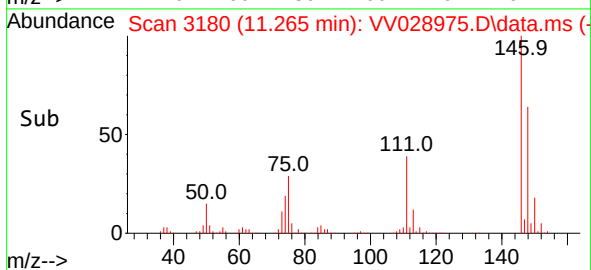
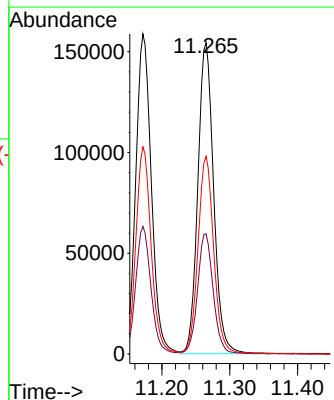
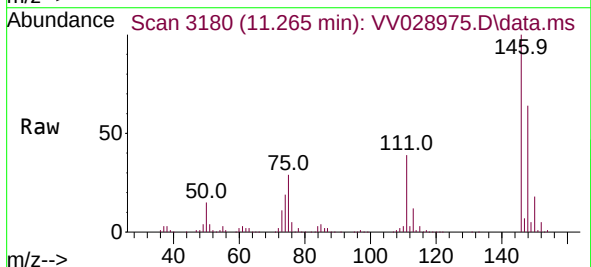
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

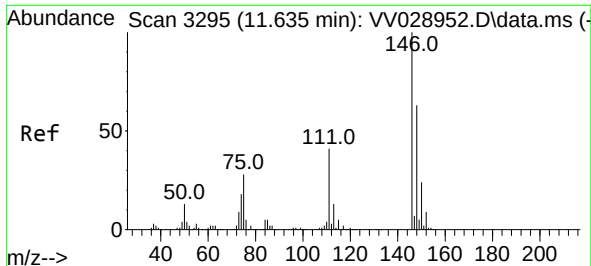
Tgt Ion:146 Resp: 252689  
Ion Ratio Lower Upper  
146 100  
111 39.9 26.9 50.1  
148 64.7 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 5.526 ug/L  
RT: 11.265 min Scan# 3180  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion:146 Resp: 249941  
Ion Ratio Lower Upper  
146 100  
111 38.6 26.5 49.3  
148 63.5 44.5 82.7

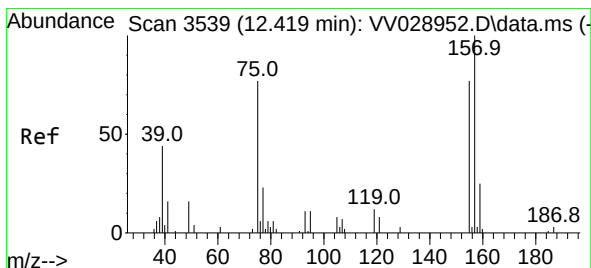
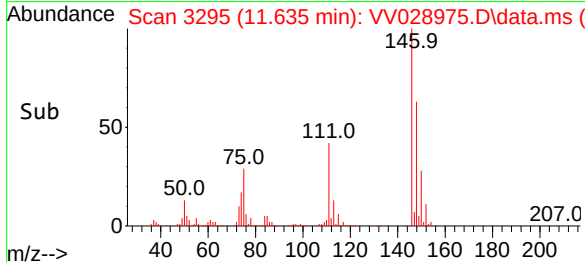
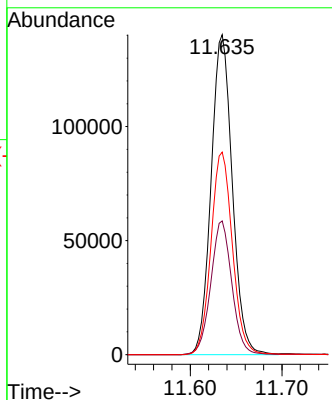
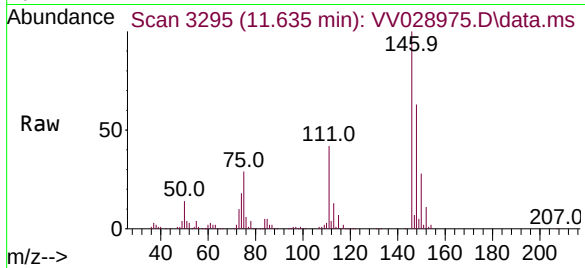




#67  
1,2-Dichlorobenzene  
Concen: 5.569 ug/L  
RT: 11.635 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

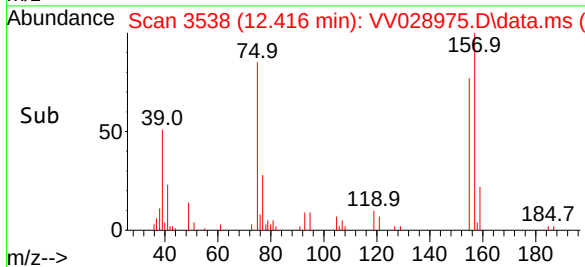
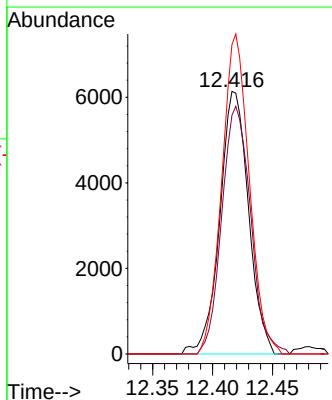
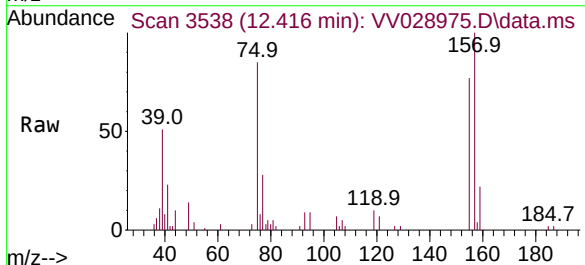
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

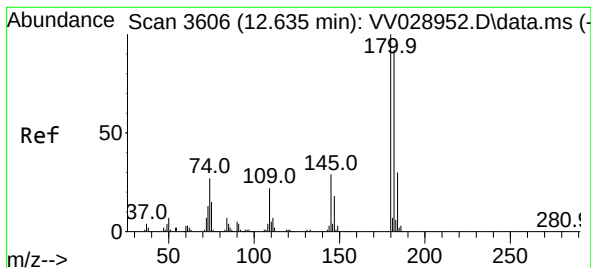
Tgt Ion:146 Resp: 225091  
Ion Ratio Lower Upper  
146 100  
111 41.8 32.4 48.6  
148 63.3 49.4 74.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.157 ug/L  
RT: 12.416 min Scan# 3538  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Tgt Ion: 75 Resp: 10228  
Ion Ratio Lower Upper  
75 100  
155 90.9 64.8 97.2  
157 117.9 86.3 129.5





#69

1,3,5-Trichlorobenzene

Concen: 5.471 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005346

Tgt Ion:180 Resp: 189876

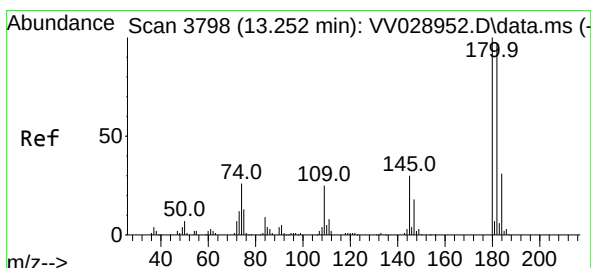
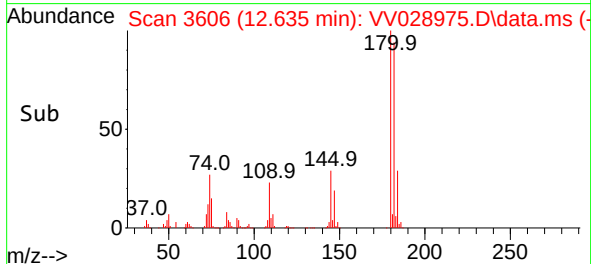
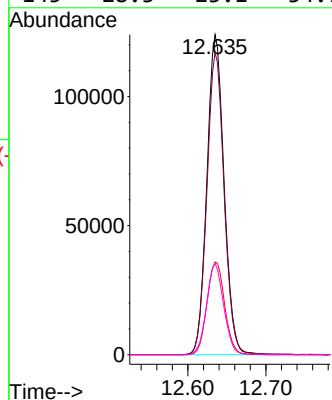
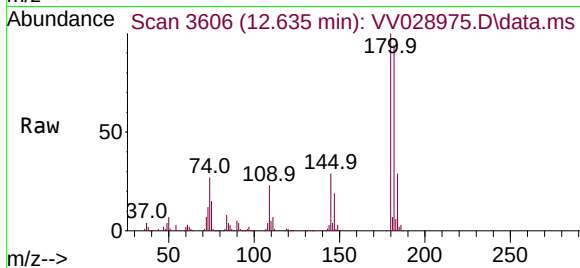
Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

184 29.8 24.0 36.0

145 28.3 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 5.548 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.003 min

Lab File: VV028975.D

Acq: 15 Nov 2022 06:39

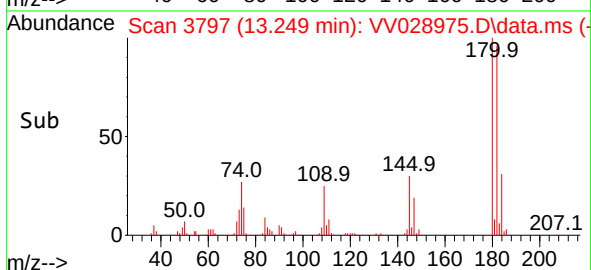
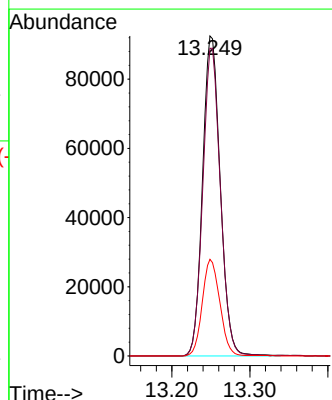
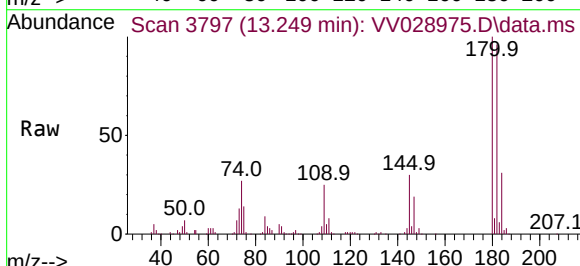
Tgt Ion:180 Resp: 145656

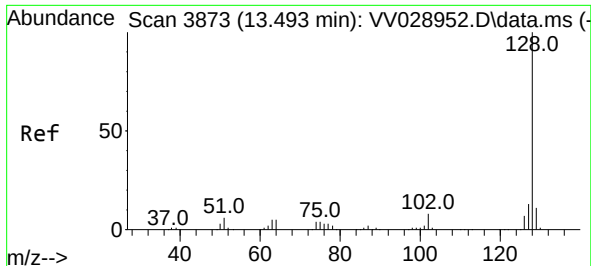
Ion Ratio Lower Upper

180 100

182 95.8 74.3 111.5

145 29.9 23.7 35.5

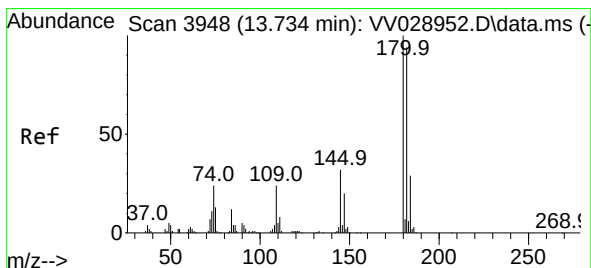
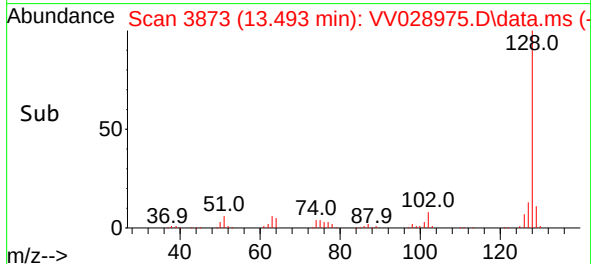
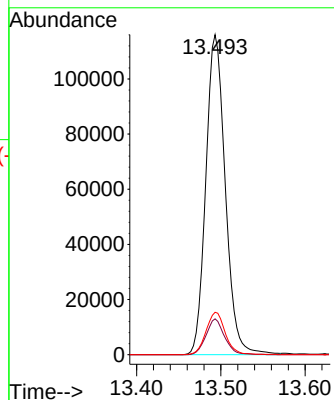
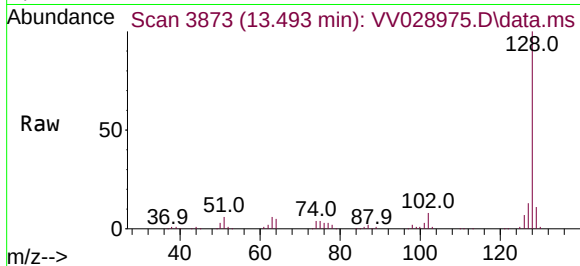




#71  
Naphthalene  
Concen: 5.519 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. 0.000 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005346

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 186957 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 10.6  | 8.8   | 13.2   |
| 127      | 13.2  | 9.8   | 14.8   |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.407 ug/L  
RT: 13.731 min Scan# 3947  
Delta R.T. -0.003 min  
Lab File: VV028975.D  
Acq: 15 Nov 2022 06:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 120216 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.7  | 75.4  | 113.2  |
| 145      | 31.2  | 24.9  | 37.3   |

