

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111122\  
 Data File : VW028900.D  
 Acq On : 12 Nov 2022 01:20  
 Operator : SY/MD  
 Sample : N5592-23MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AE1MSD

Quant Time: Nov 12 03:00:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 11 22:27:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 306752   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 285597   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152   | 151356   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 85466    | 4.570    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.400%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 76070    | 4.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 165159   | 4.846    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 97.000%  |
| 20) 2-Butanone-d5             | 3.880  | 46    | 194522   | 62.138   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 124.280% |
| 24) Chloroform-d              | 4.343  | 84    | 199290   | 5.191    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.800% |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 88524    | 5.124    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.400% |
| 32) Benzene-d6                | 5.047  | 84    | 406693   | 4.771    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 115614   | 4.857    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 373212   | 4.863    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.200%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 36469    | 4.697    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.000%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 179963   | 54.305   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.620% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84    | 88344    | 5.353    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 133666   | 4.936    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 125096   | 4.892    | ug/L   | 98       |
| 3) Chloromethane              | 1.240  | 50    | 111565   | 5.257    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.311  | 62    | 121224   | 5.008    | ug/L   | 97       |
| 6) Bromomethane               | 1.520  | 94    | 68048    | 4.703    | ug/L   | 96       |
| 8) Chloroethane               | 1.584  | 64    | 71004    | 4.991    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 737805   | 22.604   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 92573    | 5.009    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.118  | 96    | 96808    | 5.213    | ug/L   | 97       |
| 13) Acetone                   | 2.172  | 43    | 110467   | 54.857   | ug/L   | 82       |
| 14) Carbon disulfide          | 2.291  | 76    | 315434   | 4.783    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.433  | 43    | 27579    | 5.643    | ug/L   | 96       |
| 16) Methylene chloride        | 2.503  | 84    | 108382   | 4.514    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 212171   | 5.329    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 110707   | 5.140    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 187738   | 5.332    | ug/L   | 99       |
| 21) 2-Butanone                | 3.963  | 43    | 182667   | 58.590   | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96    | 119138   | 5.441    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.243  | 128   | 49565    | 5.352    | ug/L   | 90       |
| 25) Chloroform                | 4.368  | 83    | 206157   | 5.585    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111122\  
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 Sample : N5592-23MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

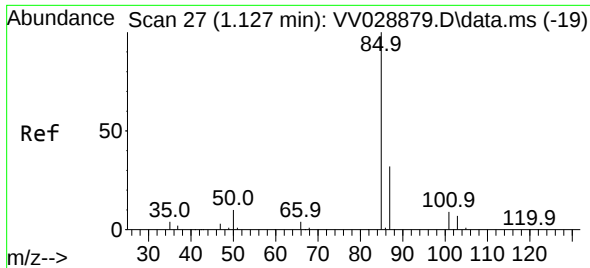
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AE1MSD

Quant Time: Nov 12 03:00:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 11 22:27:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 101385   | 5.333  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 165341   | 4.934  | ug/L   | 99       |
| 30) Cyclohexane               | 4.674  | 56   | 165093   | 4.847  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 141194   | 4.892  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 451602   | 5.175  | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 111546   | 4.992  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 182209   | 4.640  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 102233   | 5.080  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 129081   | 5.064  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 139607   | 4.969  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 466856   | 53.916 | ug/L   | 98       |
| 42) Toluene                   | 7.384  | 91   | 480136   | 5.092  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 110679   | 5.074  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 71182    | 5.403  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.969  | 164  | 116031   | 6.486  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 328020   | 54.080 | ug/L   | 100      |
| 49) Dibromochloromethane      | 8.240  | 129  | 82065    | 5.152  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 65984    | 5.391  | ug/L   | 97       |
| 51) Chlorobenzene             | 8.876  | 112  | 305234   | 5.236  | ug/L   | 100      |
| 52) Ethylbenzene              | 9.005  | 91   | 509839   | 5.194  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.133  | 106  | 197554   | 5.060  | ug/L   | 99       |
| 54) o-Xylene                  | 9.539  | 106  | 196288   | 5.289  | ug/L   | 99       |
| 55) Styrene                   | 9.555  | 104  | 297469   | 4.779  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 83002    | 5.405  | ug/L   | 98       |
| 59) Bromoform                 | 9.725  | 173  | 42463    | 5.146  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.924  | 105  | 513250   | 5.224  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 57574    | 5.566  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 431081   | 5.180  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.908 | 105  | 428905   | 5.145  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 241762   | 5.237  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 231678   | 4.992  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 210901   | 5.085  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 9762     | 4.797  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 12.638 | 180  | 166379   | 4.672  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.252 | 180  | 123359   | 4.580  | ug/L   | 97       |
| 71) Naphthalene               | 13.493 | 128  | 143065   | 4.116  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.735 | 180  | 105775   | 4.636  | ug/L   | 99       |

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

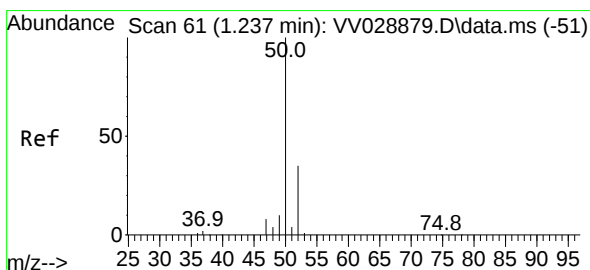
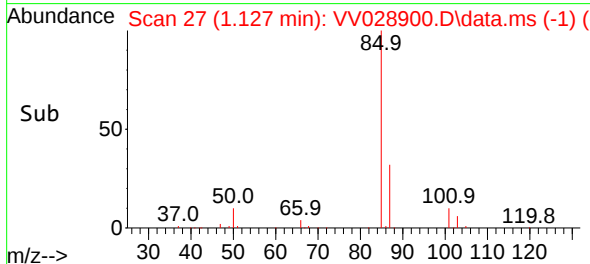
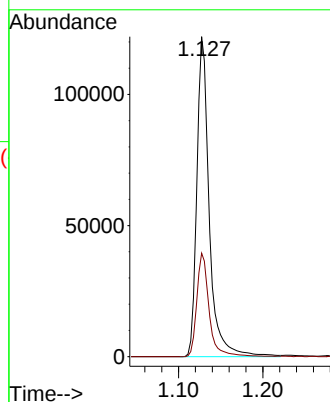
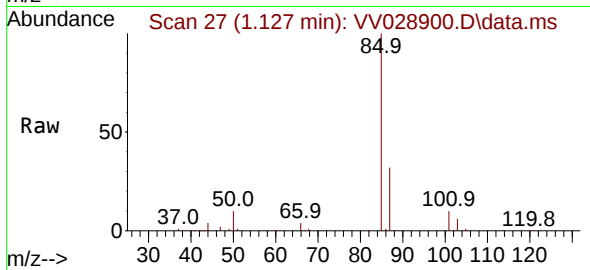




#2  
 Dichlorodifluoromethane  
 Concen: 4.892 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

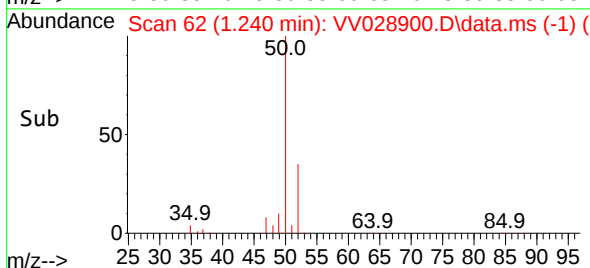
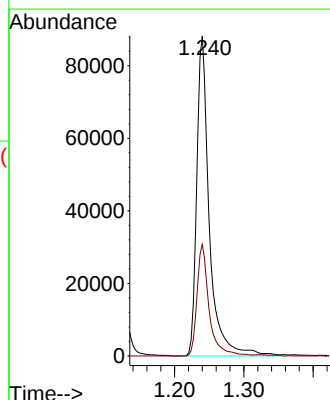
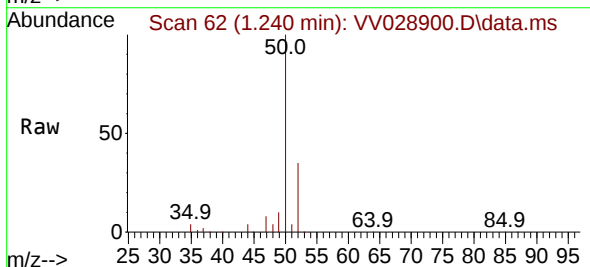
Instrument :  
 MSVOA\_V  
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 H0AE1MSD

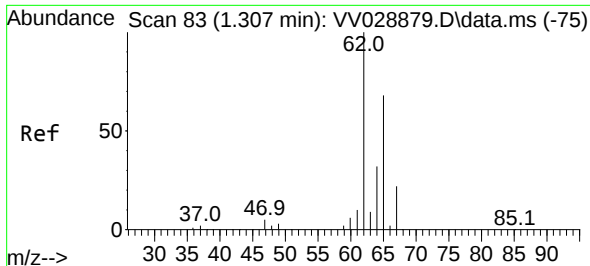
Tgt Ion: 85 Resp: 125096  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 25.0 37.4



#3  
 Chloromethane  
 Concen: 5.257 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

Tgt Ion: 50 Resp: 111565  
 Ion Ratio Lower Upper  
 50 100  
 52 34.8 23.7 43.9

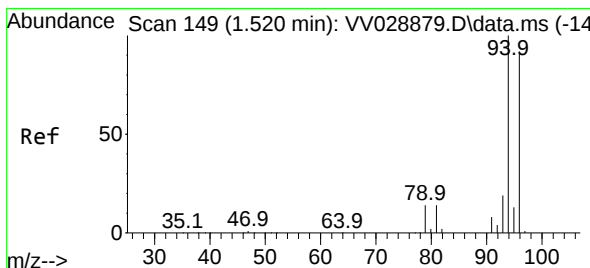
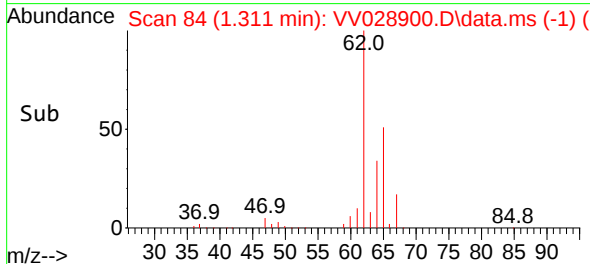
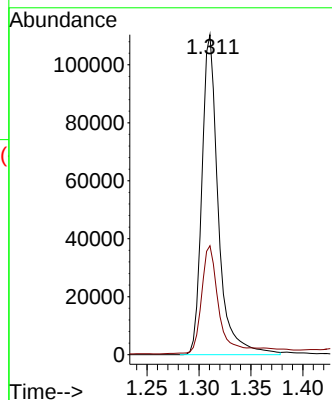
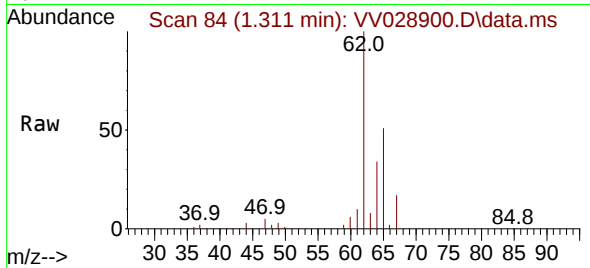




#5  
 Vinyl chloride  
 Concen: 5.008 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

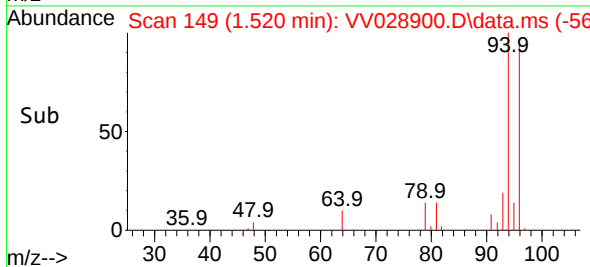
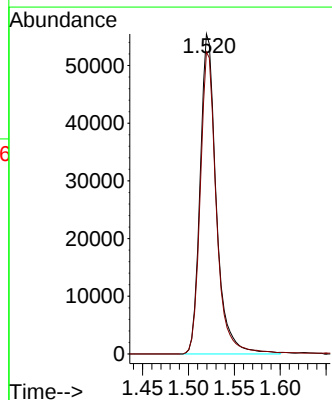
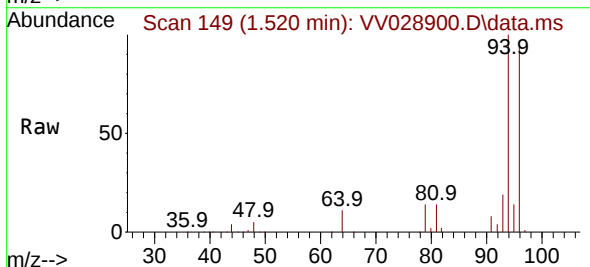
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AE1MSD

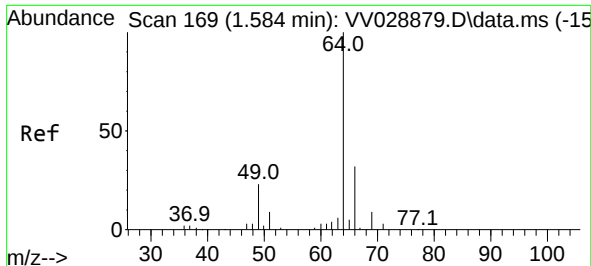
Tgt Ion: 62 Resp: 121224  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 22.8 42.4



#6  
 Bromomethane  
 Concen: 4.703 ug/L  
 RT: 1.520 min Scan# 149  
 Delta R.T. 0.000 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

Tgt Ion: 94 Resp: 68048  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 68.5 127.3





#8

Chloroethane

Concen: 4.991 ug/L

RT: 1.584 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

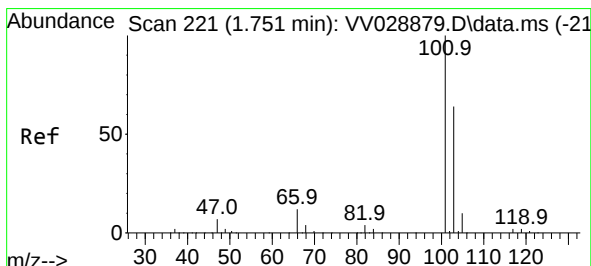
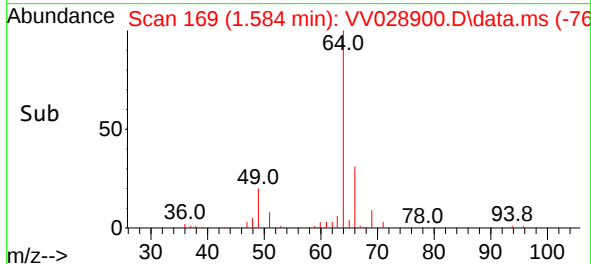
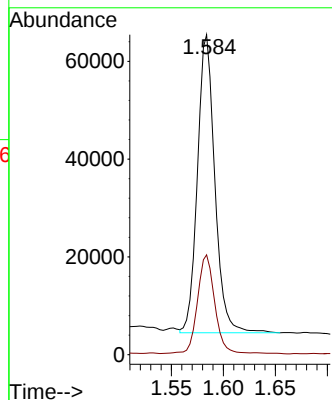
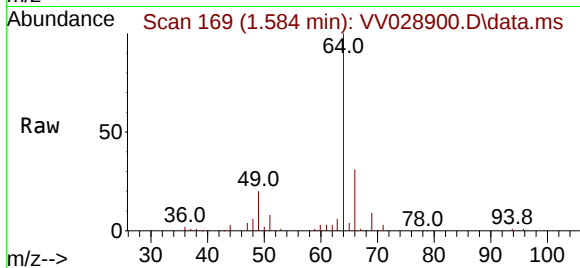
H0AE1MSD

Tgt Ion: 64 Resp: 71004

Ion Ratio Lower Upper

64 100

66 31.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 22.604 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.000 min

Lab File: VV028900.D

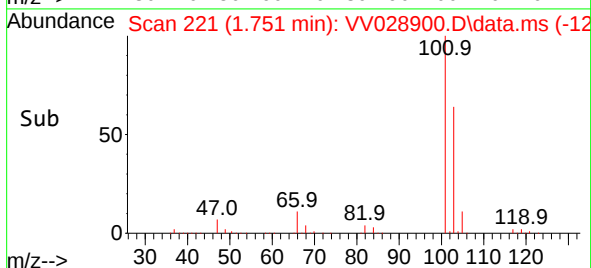
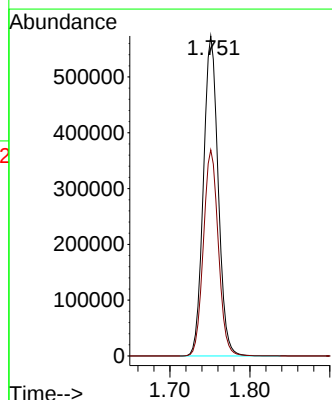
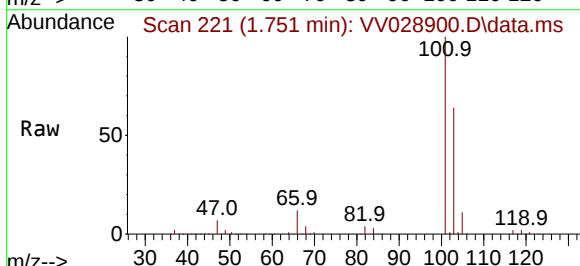
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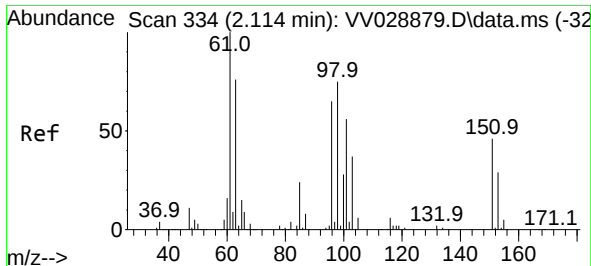
Tgt Ion:101 Resp: 737805

Ion Ratio Lower Upper

101 100

103 65.1 51.3 76.9





#10

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

Concen: 5.009 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

H0AE1MSD

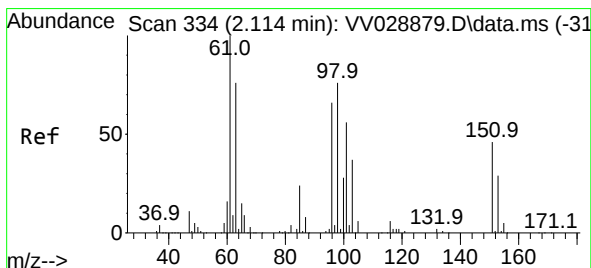
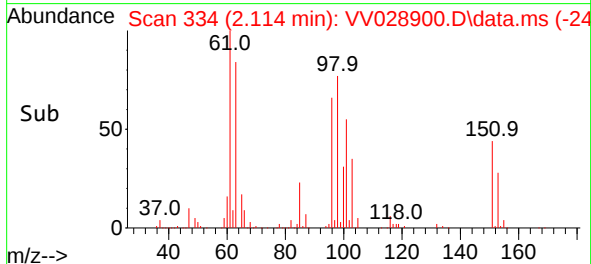
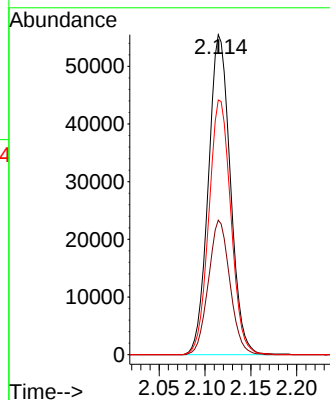
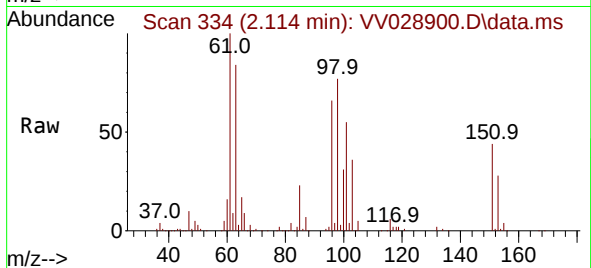
Tgt Ion:101 Resp: 92573

Ion Ratio Lower Upper

101 100

85 41.1 32.9 49.3

151 79.8 62.5 93.7



#12

1,1-Dichloroethene

Concen: 5.213 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

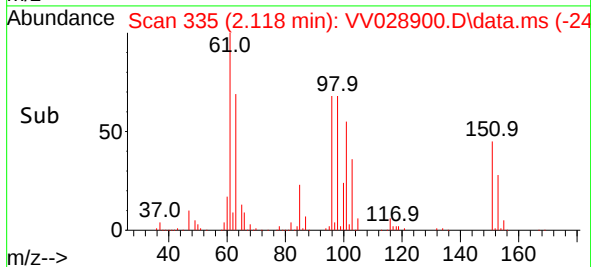
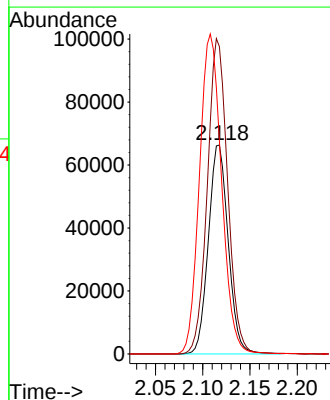
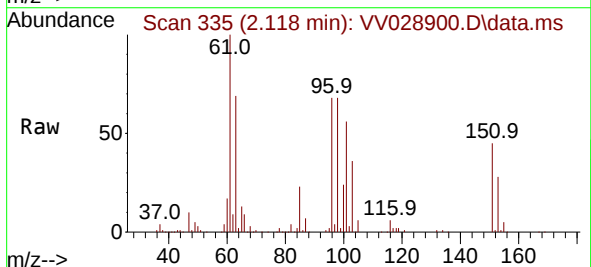
Tgt Ion: 96 Resp: 96808

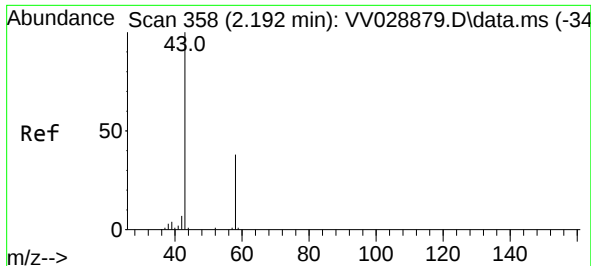
Ion Ratio Lower Upper

96 100

61 147.0 104.2 193.4

63 102.1 75.9 140.9

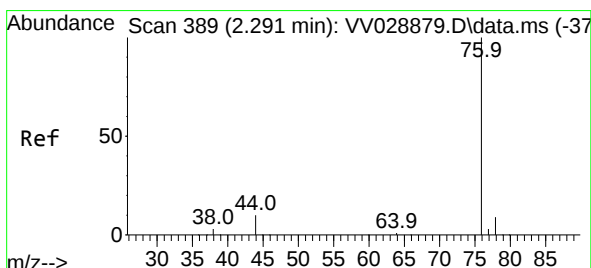
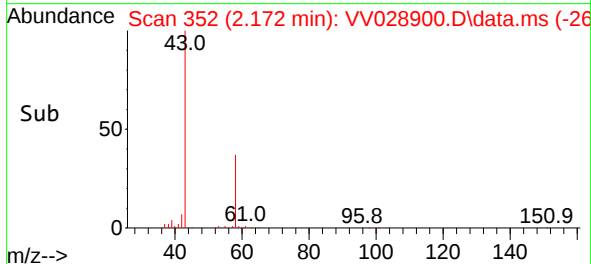
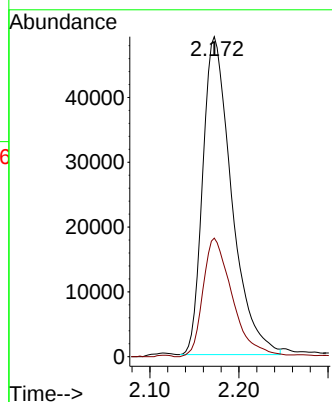
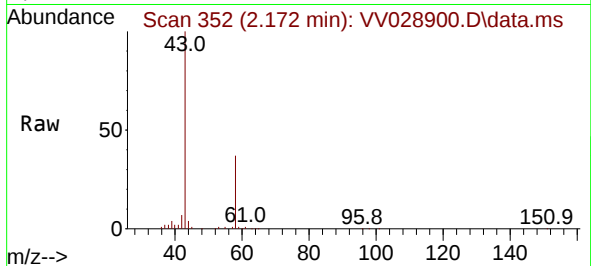




#13  
Acetone  
Concen: 54.857 ug/L  
RT: 2.172 min Scan# 31  
Delta R.T. -0.019 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

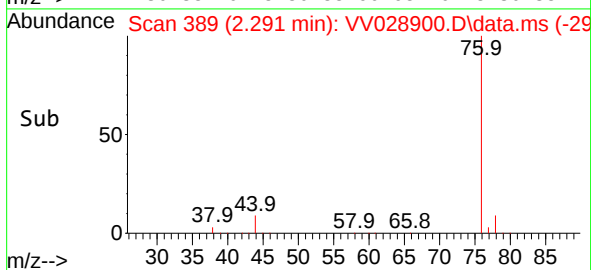
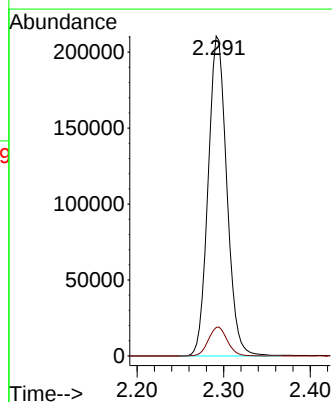
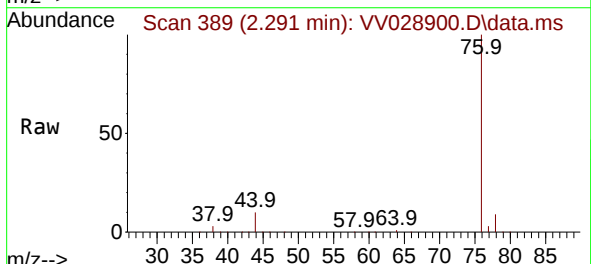
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

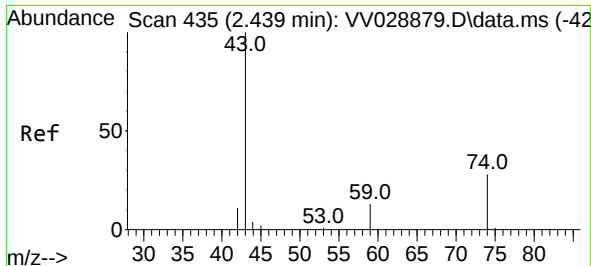
Tgt Ion: 43 Resp: 110467  
Ion Ratio Lower Upper  
43 100  
58 38.0 0.0 56.6



#14  
Carbon disulfide  
Concen: 4.783 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 76 Resp: 315434  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.2

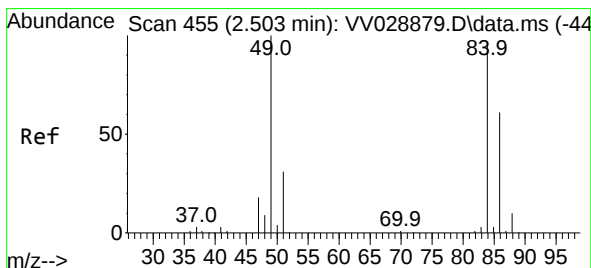
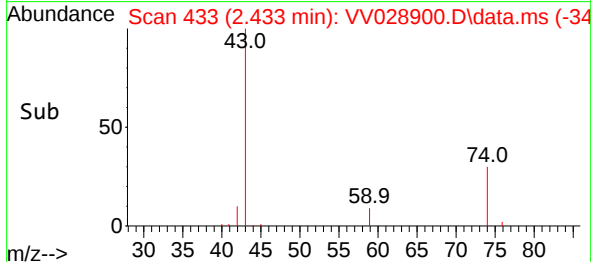
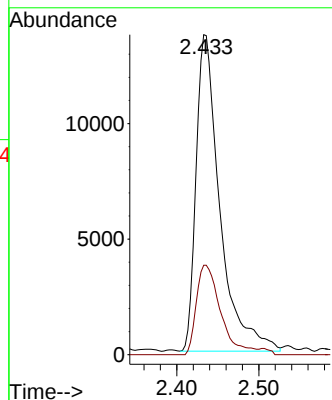
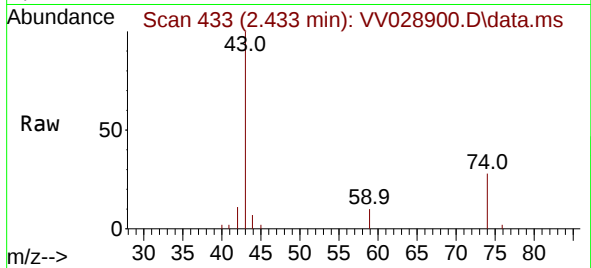




#15  
Methyl Acetate  
Concen: 5.643 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

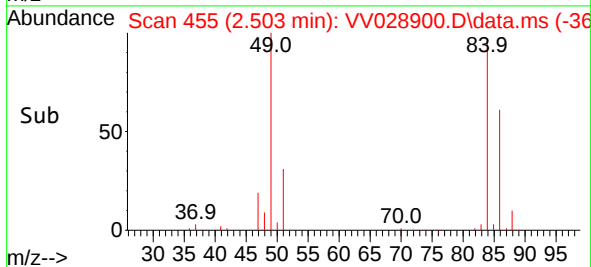
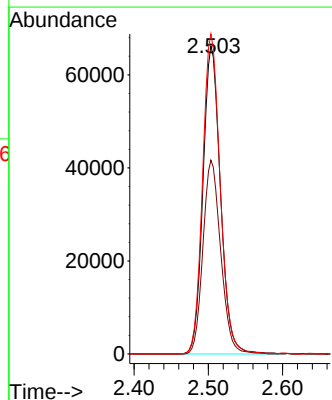
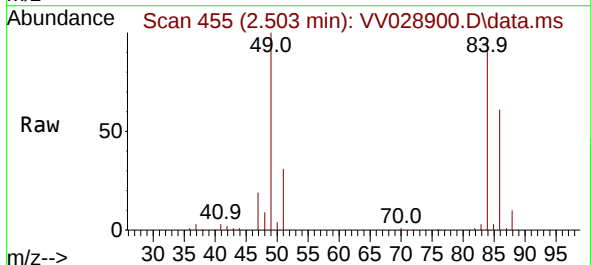
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

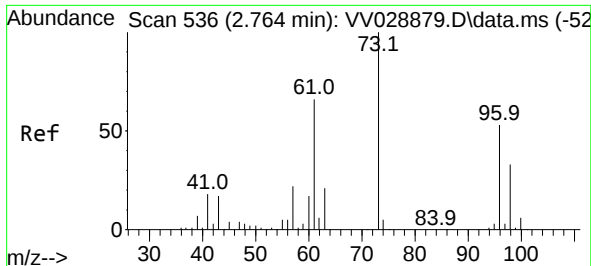
Tgt Ion: 43 Resp: 27579  
Ion Ratio Lower Upper  
43 100  
74 28.8 24.6 37.0



#16  
Methylene chloride  
Concen: 4.514 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 84 Resp: 108382  
Ion Ratio Lower Upper  
84 100  
86 62.9 45.8 85.0  
49 103.9 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.329 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

H0AE1MSD

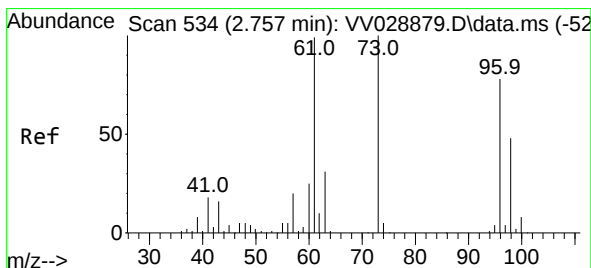
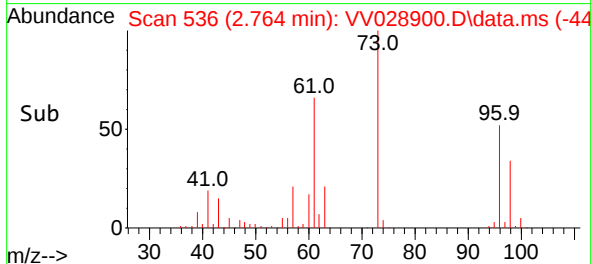
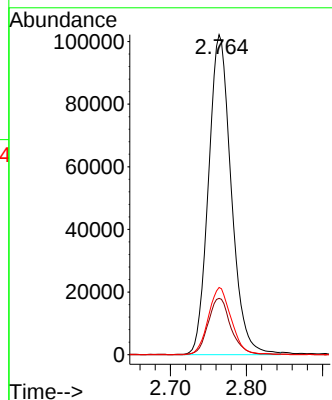
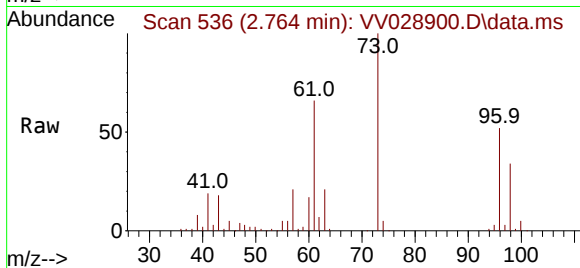
Tgt Ion: 73 Resp: 212171

Ion Ratio Lower Upper

73 100

43 17.6 13.0 19.4

57 21.2 16.6 24.8



#18

trans-1,2-Dichloroethene

Concen: 5.140 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

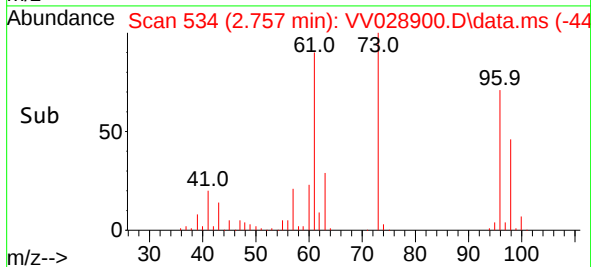
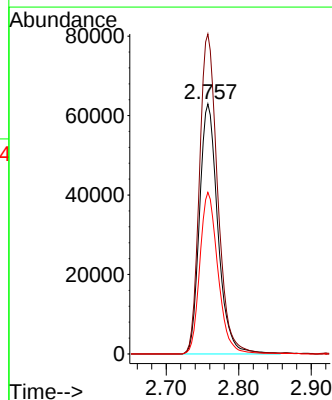
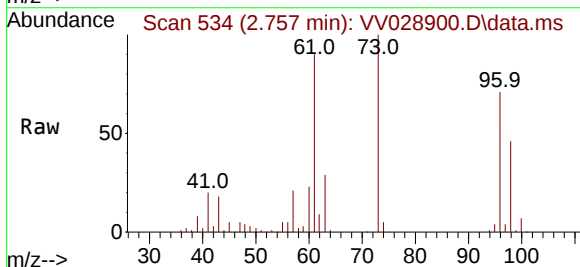
Tgt Ion: 96 Resp: 110707

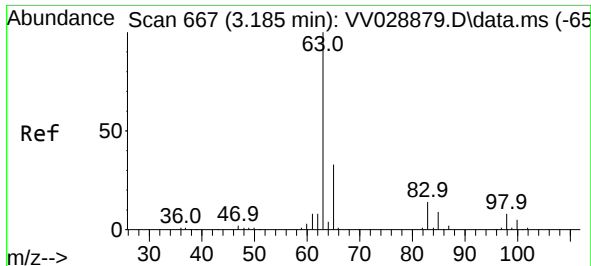
Ion Ratio Lower Upper

96 100

61 128.0 91.8 170.6

98 64.6 46.4 86.2





#19

1,1-Dichloroethane

Concen: 5.332 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

H0AE1MSD

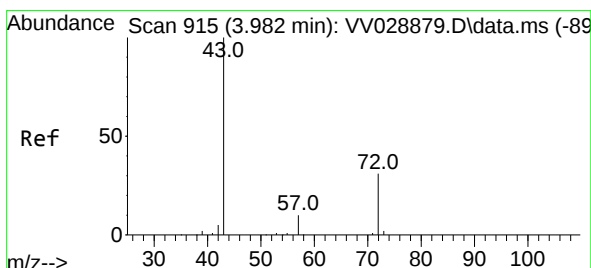
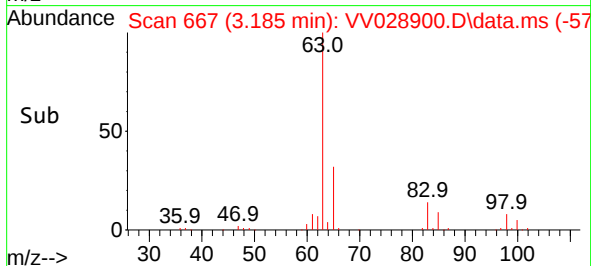
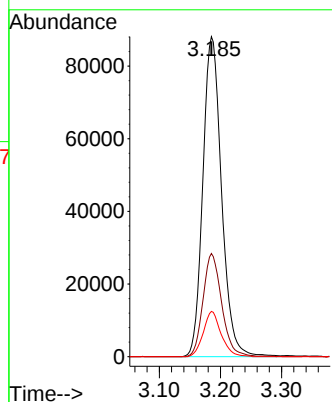
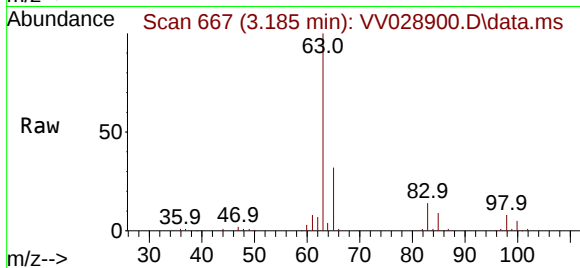
Tgt Ion: 63 Resp: 187738

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.6

83 14.2 9.4 17.6



#21

2-Butanone

Concen: 58.590 ug/L

RT: 3.963 min Scan# 909

Delta R.T. -0.019 min

Lab File: VV028900.D

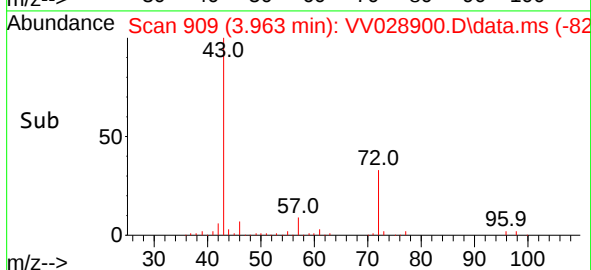
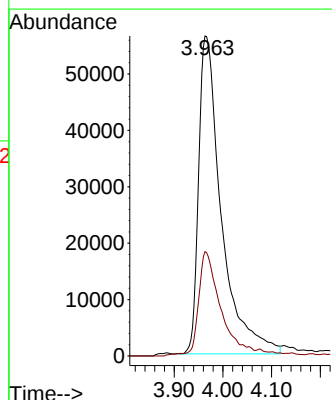
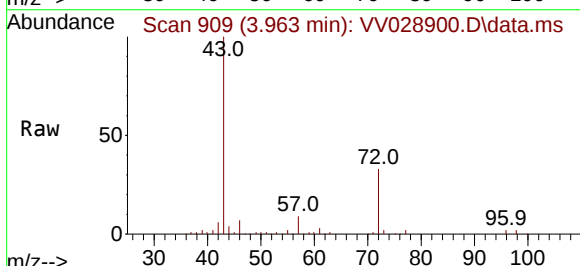
Acq: 12 Nov 2022 01:20

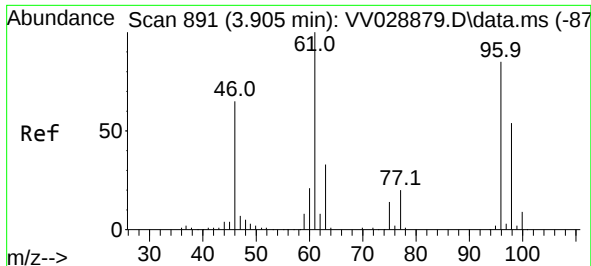
Tgt Ion: 43 Resp: 182667

Ion Ratio Lower Upper

43 100

72 29.9 11.9 35.9

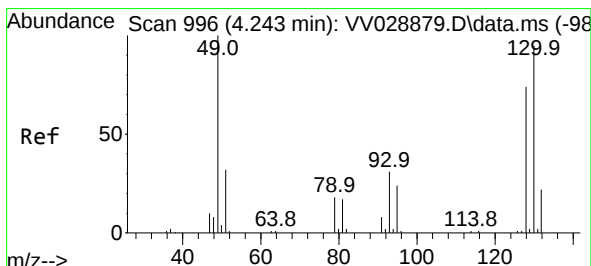
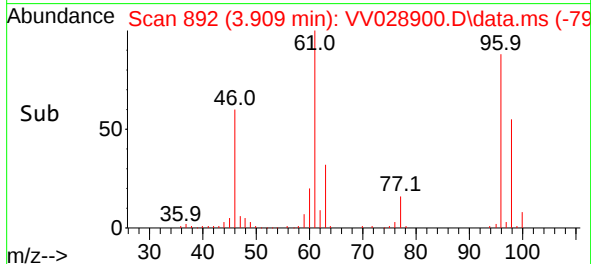
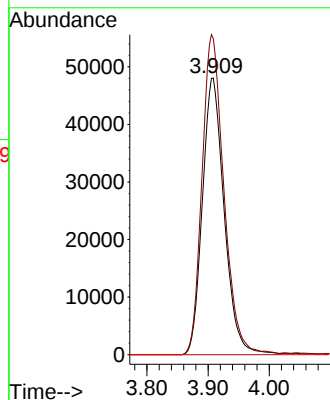
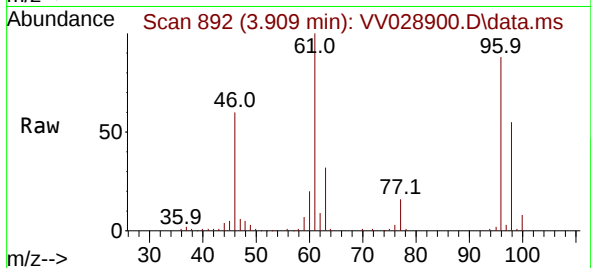




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.441 ug/L  
 RT: 3.909 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

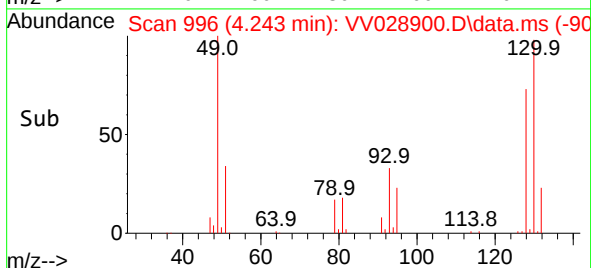
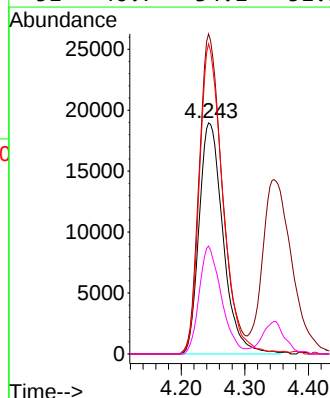
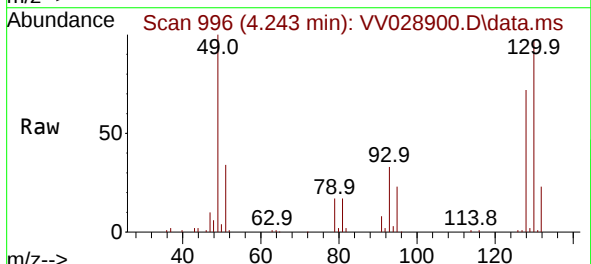
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AE1MSD

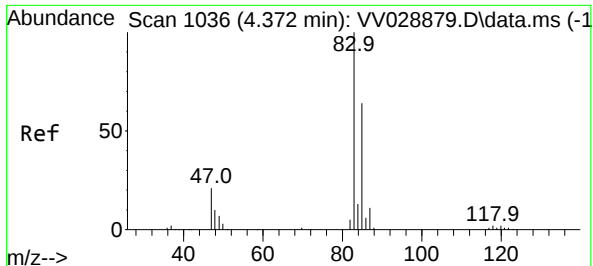
Tgt Ion: 96 Resp: 119138  
 Ion Ratio Lower Upper  
 96 100  
 61 114.3 82.3 152.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.352 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

Tgt Ion: 128 Resp: 49565  
 Ion Ratio Lower Upper  
 128 100  
 49 138.5 89.5 166.1  
 130 134.2 84.4 156.8  
 51 46.7 34.1 51.1





#25

Chloroform

Concen: 5.585 ug/L

RT: 4.368 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

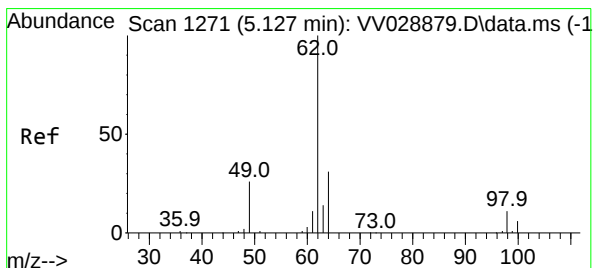
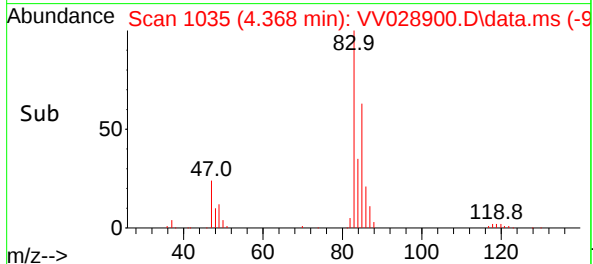
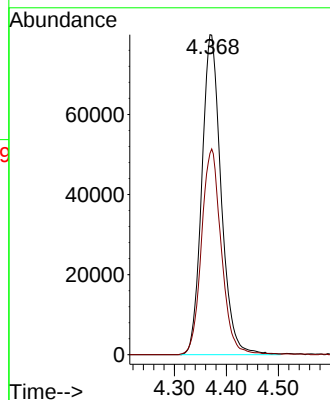
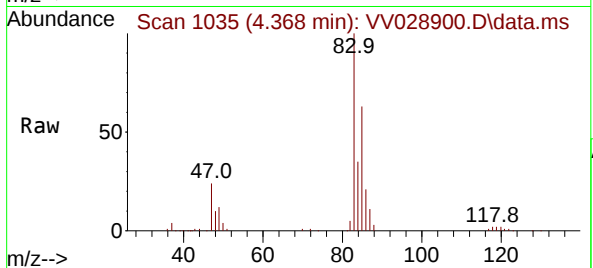
H0AE1MSD

Tgt Ion: 83 Resp: 206157

Ion Ratio Lower Upper

83 100

85 62.9 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.333 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV028900.D

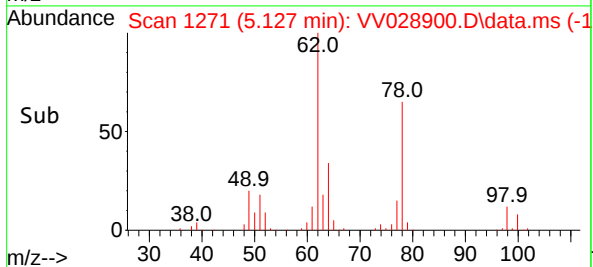
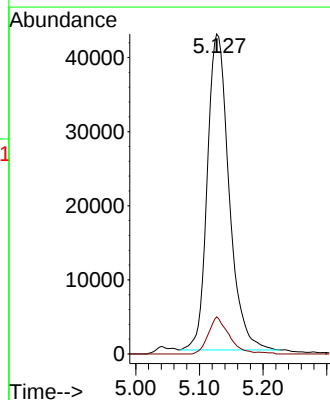
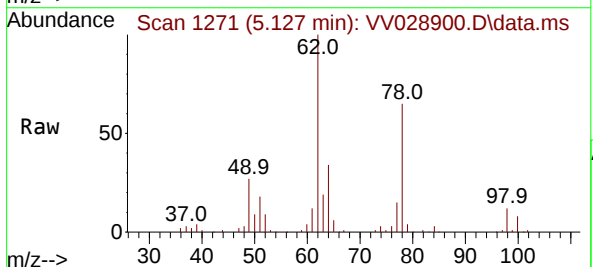
Acq: 12 Nov 2022 01:20

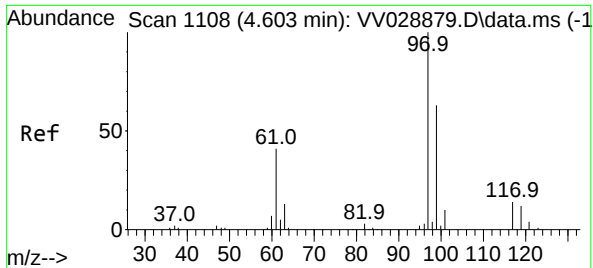
Tgt Ion: 62 Resp: 101385

Ion Ratio Lower Upper

62 100

98 11.6 9.0 13.6

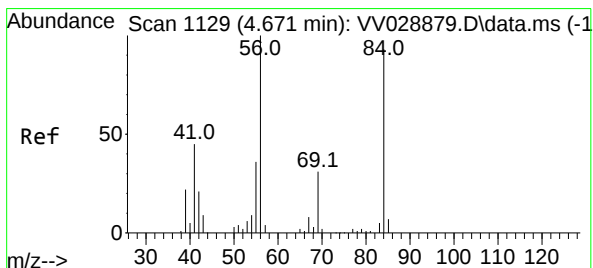
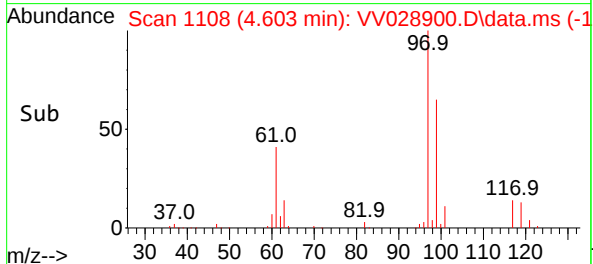
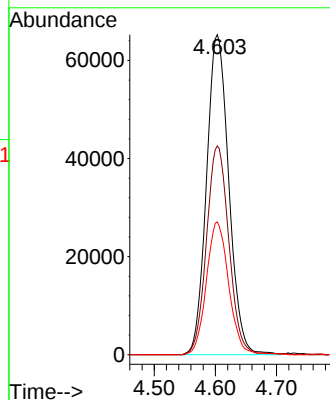
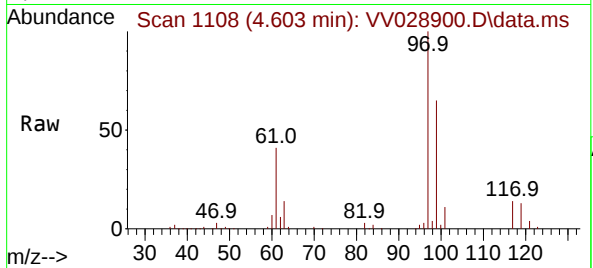




#29  
1,1,1-Trichloroethane  
Concen: 4.934 ug/L  
RT: 4.603 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

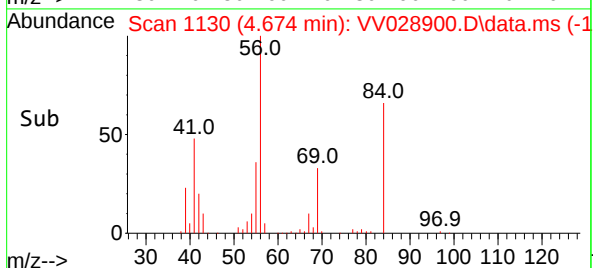
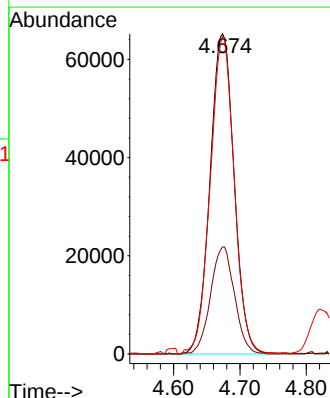
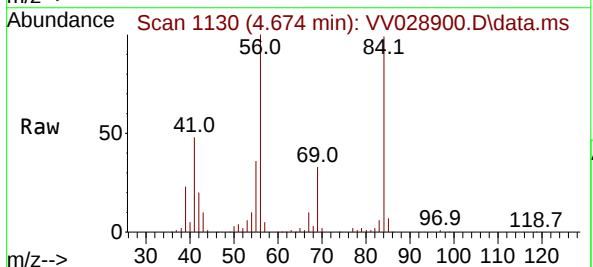
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

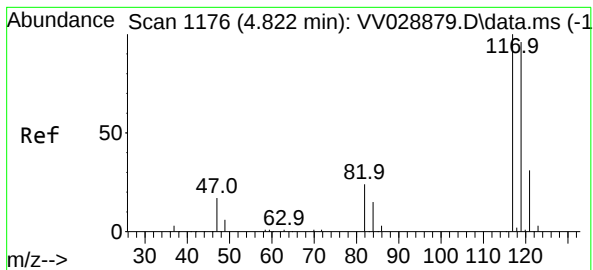
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 165341 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.2  | 52.7  | 79.1   |
| 61       | 41.7  | 33.8  | 50.6   |



#30  
Cyclohexane  
Concen: 4.847 ug/L  
RT: 4.674 min Scan# 1130  
Delta R.T. 0.003 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 165093 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 33.2  | 26.1  | 39.1   |
| 84       | 98.2  | 77.9  | 116.9  |

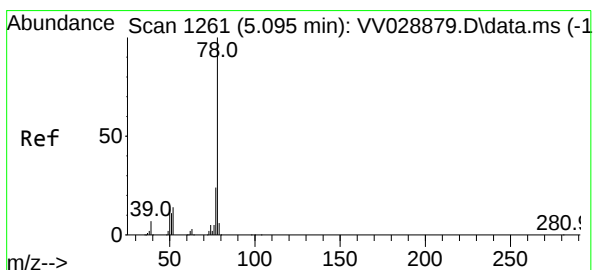
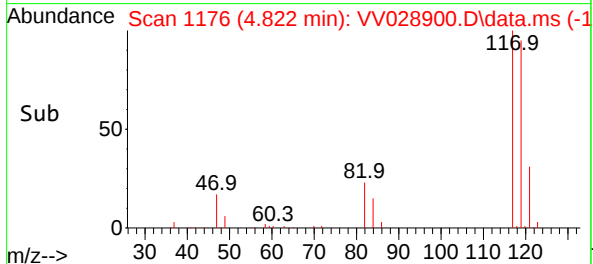
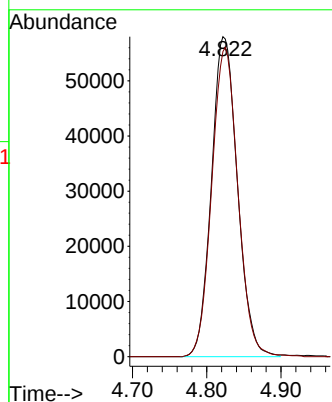
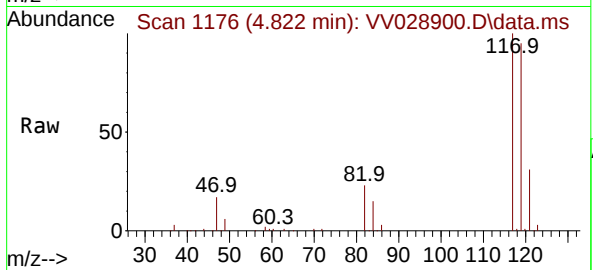




#31  
Carbon tetrachloride  
Concen: 4.892 ug/L  
RT: 4.822 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

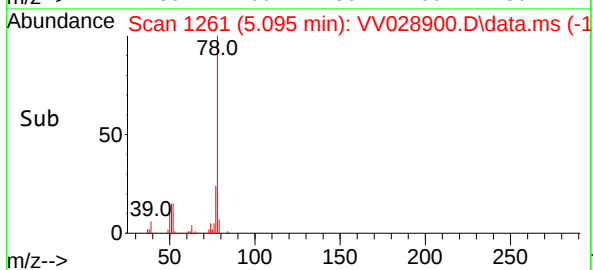
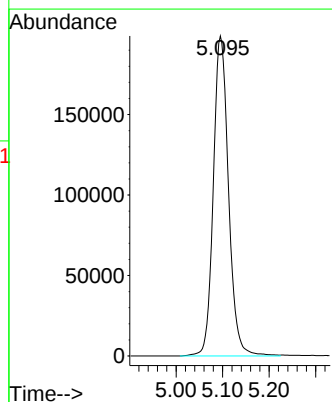
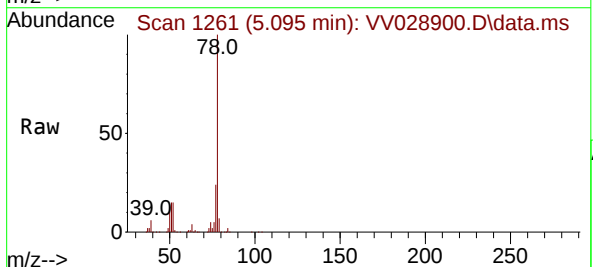
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

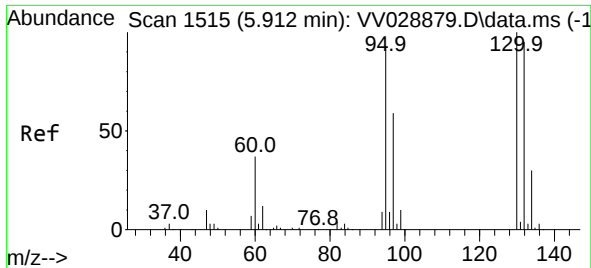
Tgt Ion:117 Resp: 141194  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.0 115.6



#33  
Benzene  
Concen: 5.175 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 78 Resp: 451602

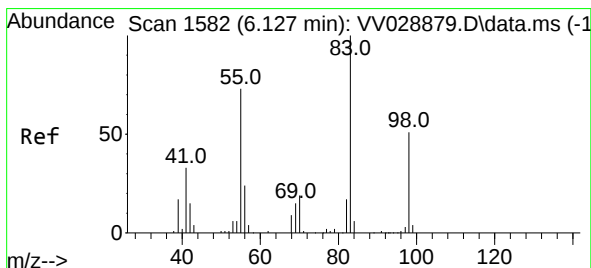
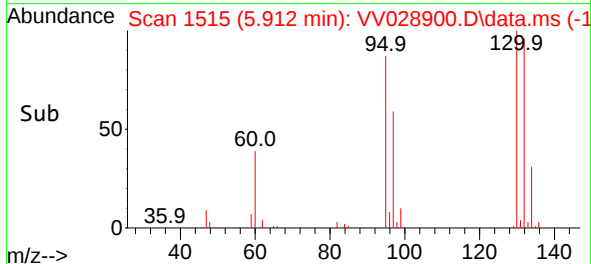
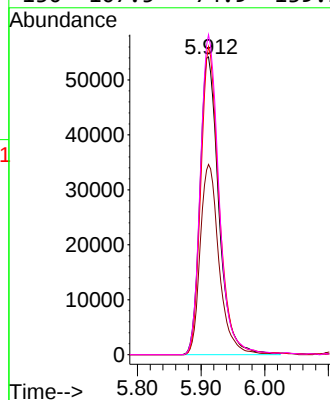
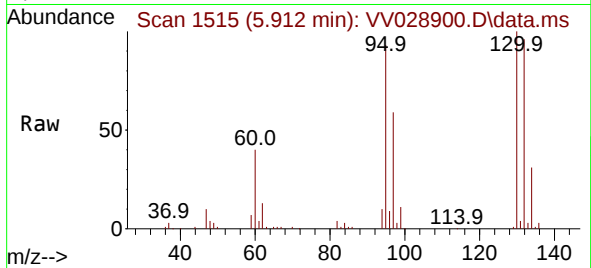




#34  
Trichloroethene  
Concen: 4.992 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

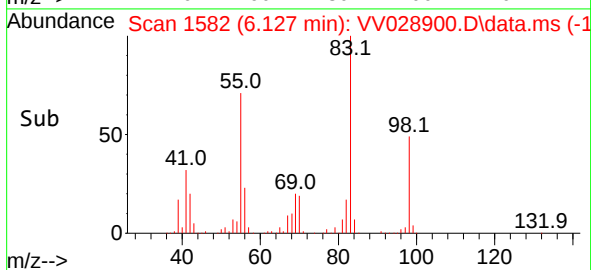
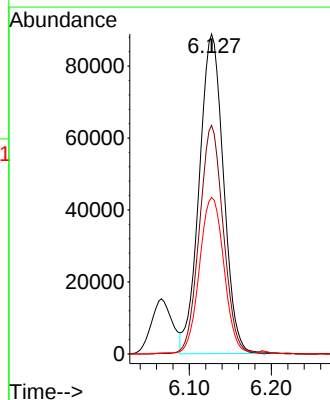
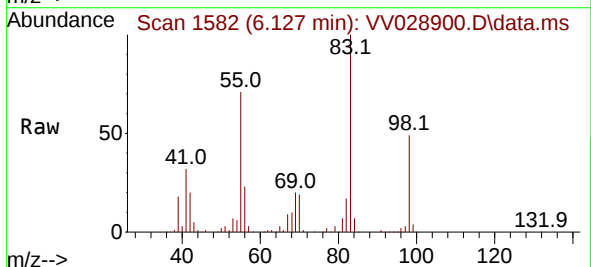
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

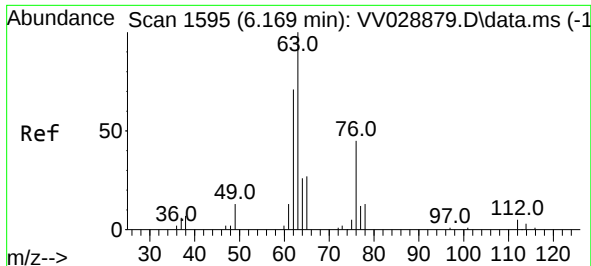
Tgt Ion: 95 Resp: 111546  
Ion Ratio Lower Upper  
95 100  
97 63.9 45.6 84.8  
132 103.5 69.1 128.3  
130 107.5 74.9 139.1



#35  
Methylcyclohexane  
Concen: 4.640 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 83 Resp: 182209  
Ion Ratio Lower Upper  
83 100  
55 70.5 55.8 83.6  
98 49.9 38.2 57.2





#37

1,2-Dichloropropane

Concen: 5.080 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

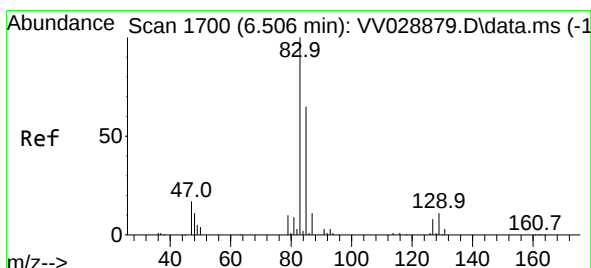
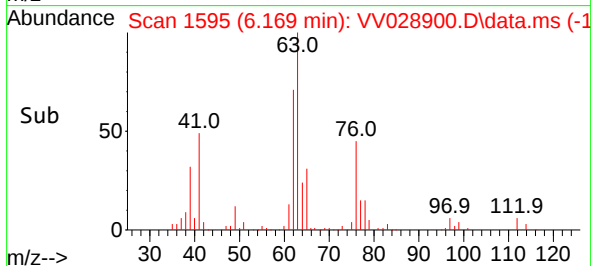
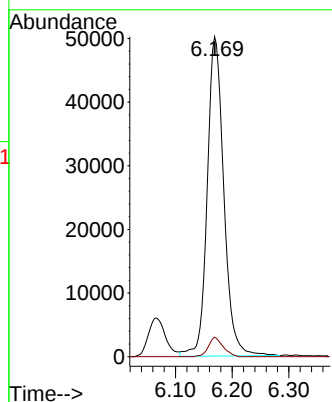
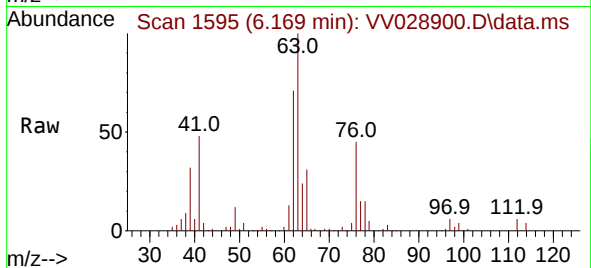
H0AE1MSD

Tgt Ion: 63 Resp: 102233

Ion Ratio Lower Upper

63 100

112 5.4 4.0 6.0



#38

Bromodichloromethane

Concen: 5.064 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

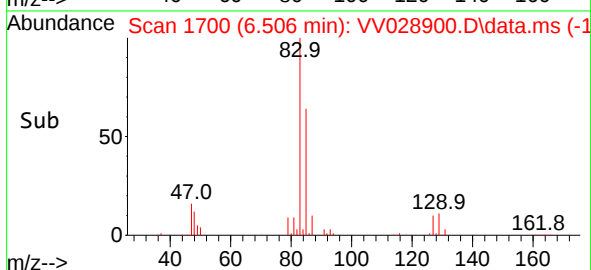
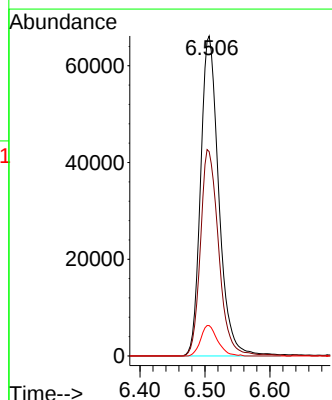
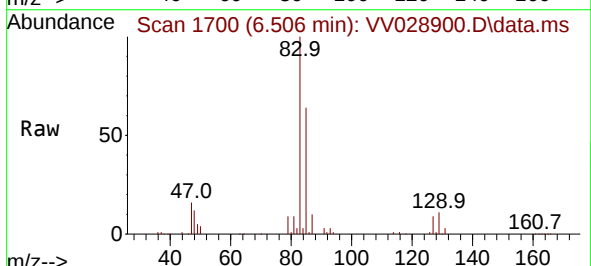
Tgt Ion: 83 Resp: 129081

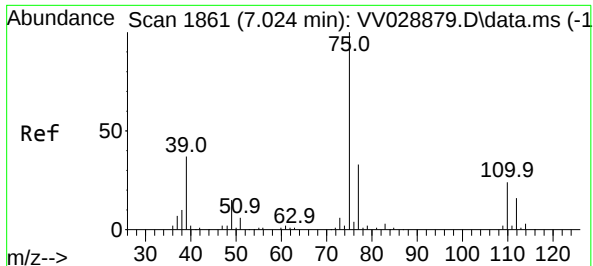
Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5

127 9.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.969 ug/L

RT: 7.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

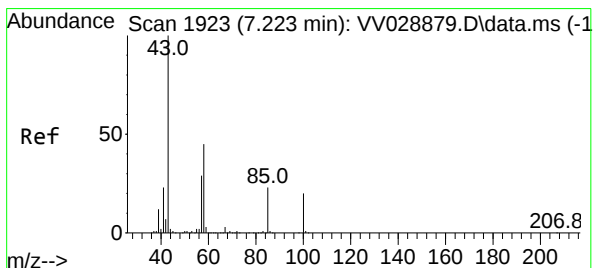
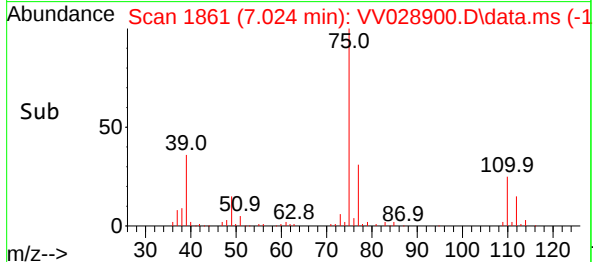
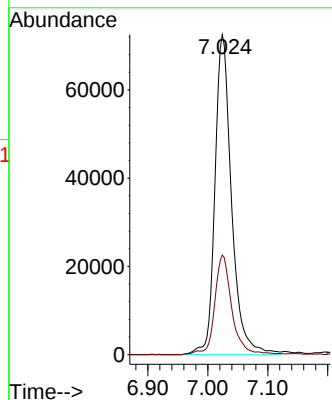
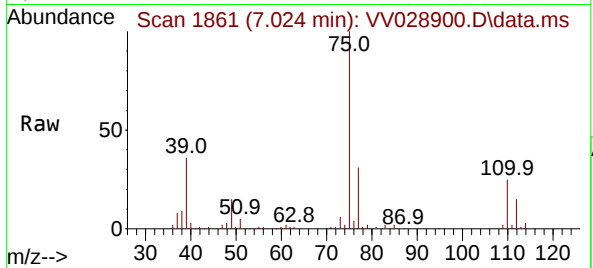
H0AE1MSD

Tgt Ion: 75 Resp: 139607

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 53.916 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

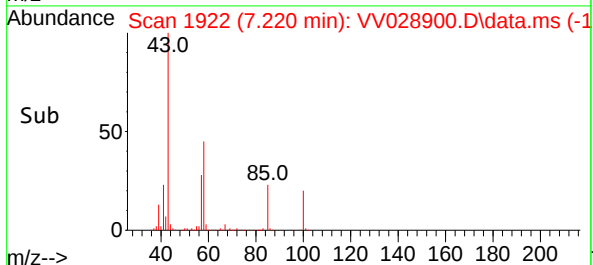
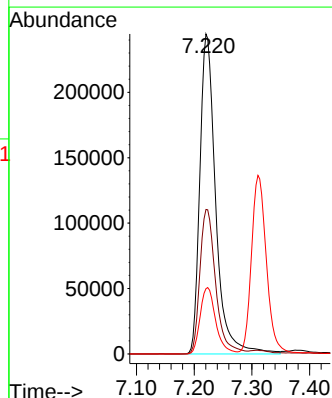
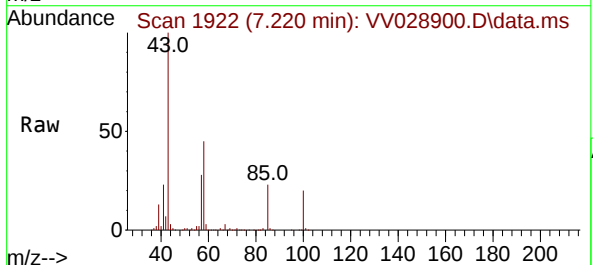
Tgt Ion: 43 Resp: 466856

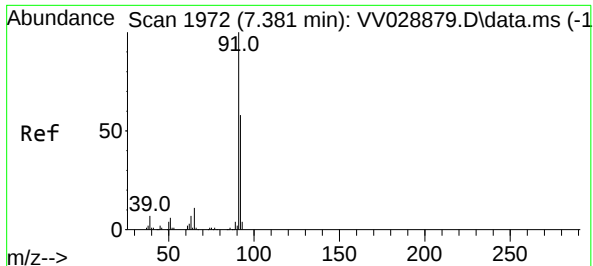
Ion Ratio Lower Upper

43 100

58 44.9 36.6 55.0

100 20.4 14.5 21.7





#42

Toluene

Concen: 5.092 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

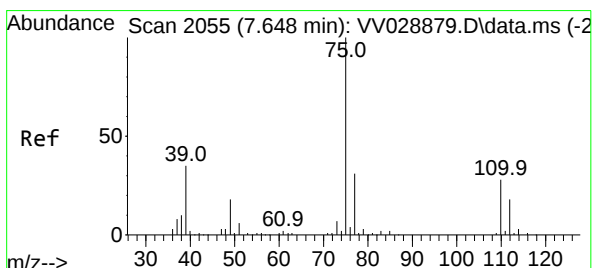
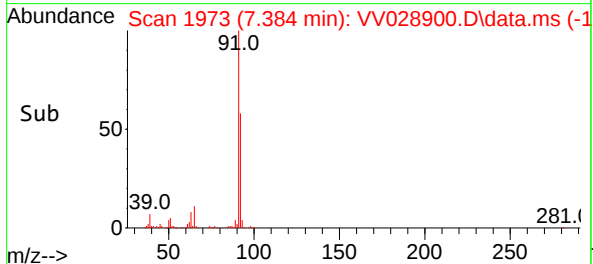
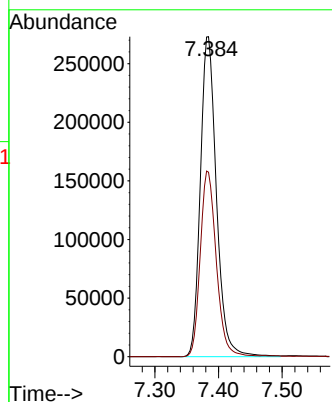
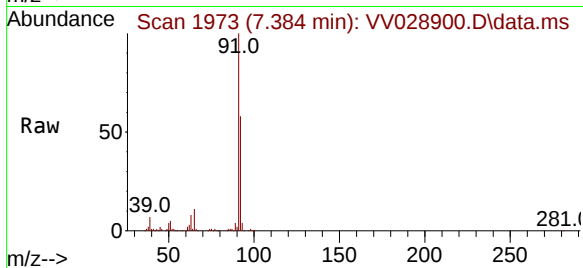
H0AE1MSD

Tgt Ion: 91 Resp: 480136

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.074 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV028900.D

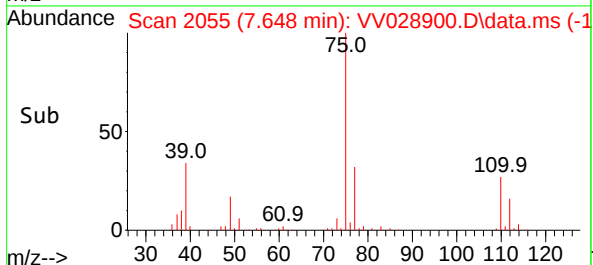
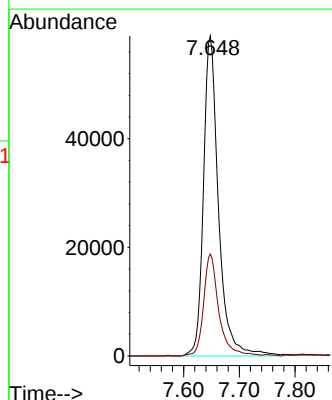
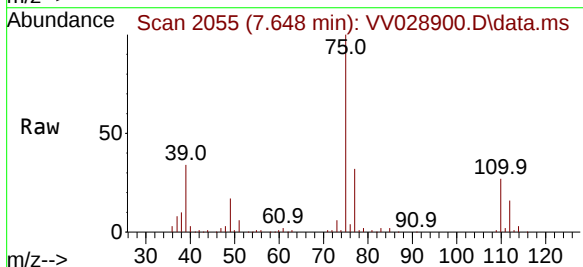
Acq: 12 Nov 2022 01:20

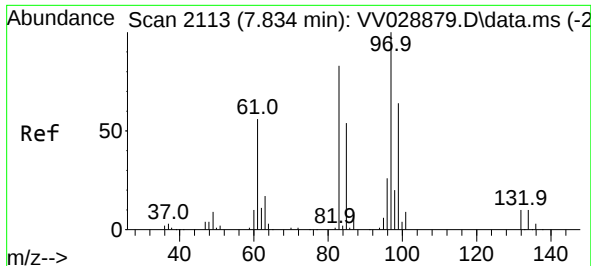
Tgt Ion: 75 Resp: 110679

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

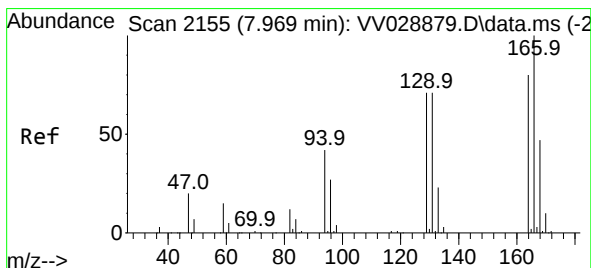
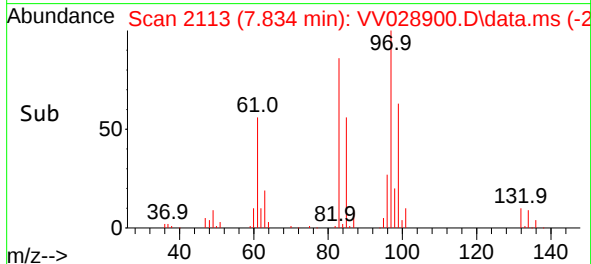
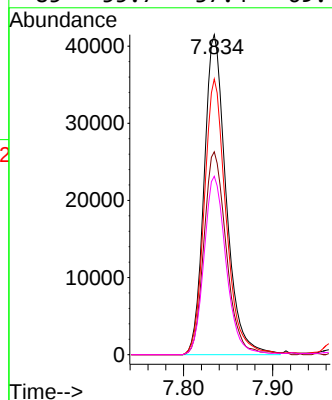
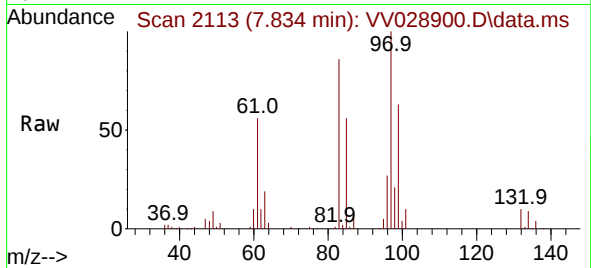




#45  
1,1,2-Trichloroethane  
Concen: 5.403 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

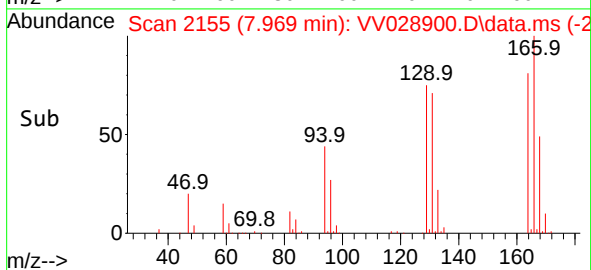
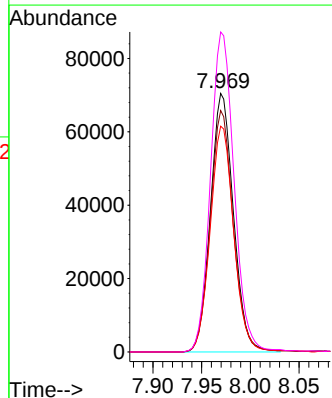
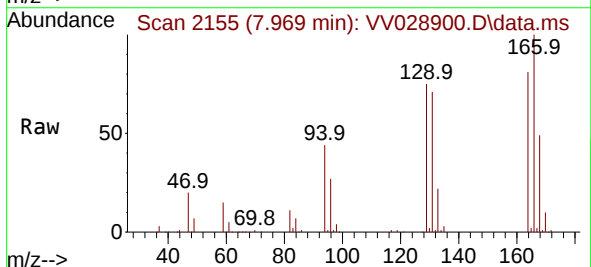
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

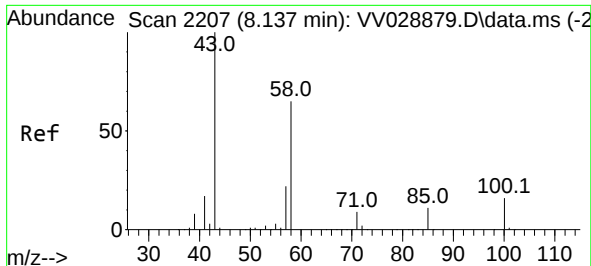
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 71182 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.4  | 41.5  | 77.1  |
| 83       | 86.2  | 60.0  | 111.4 |
| 85       | 55.7  | 37.4  | 69.4  |



#47  
Tetrachloroethene  
Concen: 6.486 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 116031 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.3  | 63.9  | 118.7  |
| 131      | 87.3  | 61.8  | 114.8  |
| 166      | 123.7 | 90.2  | 167.4  |

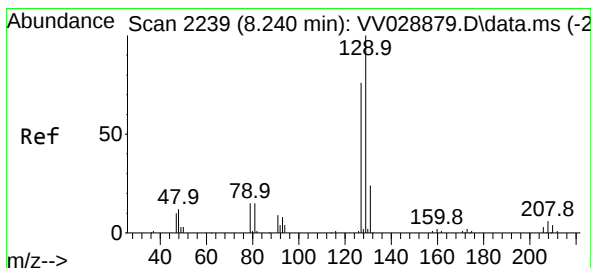
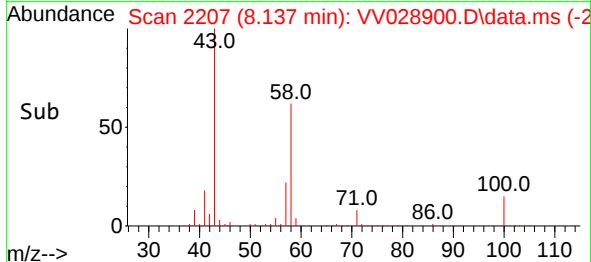
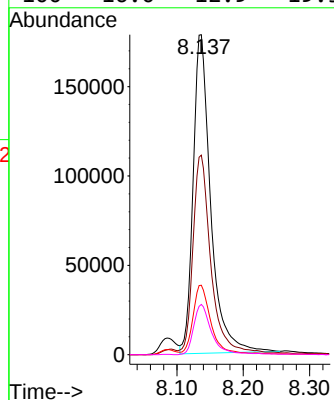
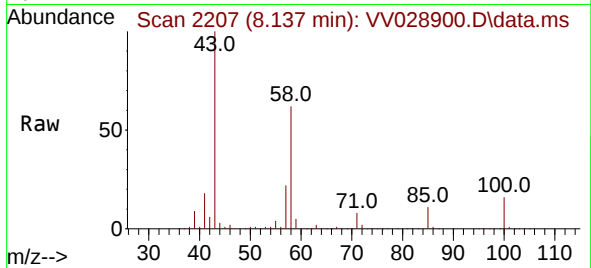




#48  
2-Hexanone  
Concen: 54.080 ug/L  
RT: 8.137 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

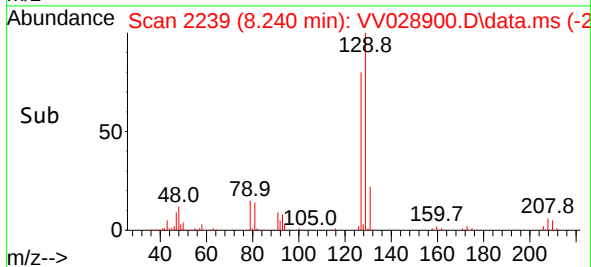
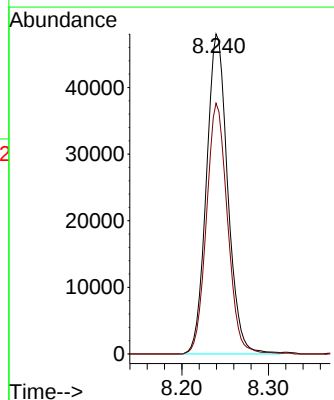
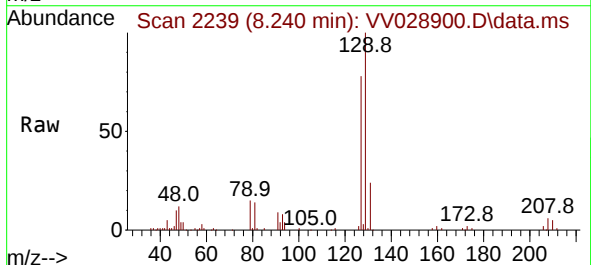
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

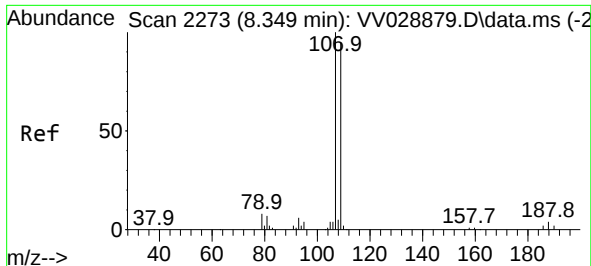
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 328020 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 62.3  | 50.2  | 75.4   |
| 57       | 22.2  | 17.8  | 26.8   |
| 100      | 16.0  | 12.9  | 19.3   |



#49  
Dibromochloromethane  
Concen: 5.152 ug/L  
RT: 8.240 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 82065 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.3  | 54.5  | 101.1 |





#50

1,2-Dibromoethane

Concen: 5.391 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

H0AE1MSD

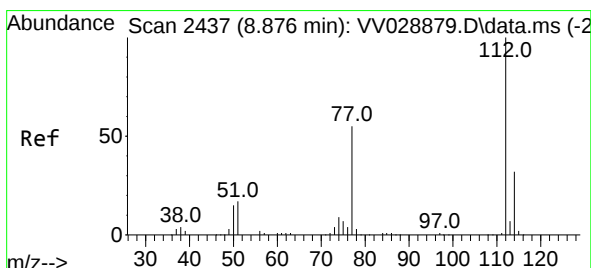
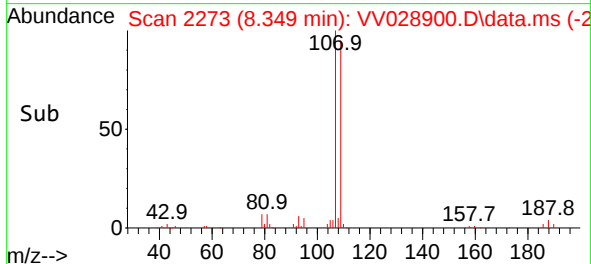
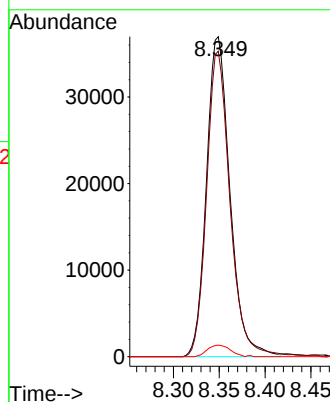
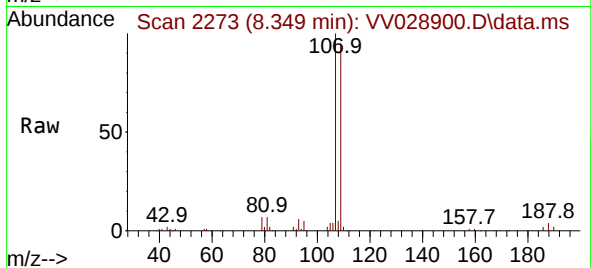
Tgt Ion:107 Resp: 65984

Ion Ratio Lower Upper

107 100

109 95.4 64.4 119.6

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 5.236 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

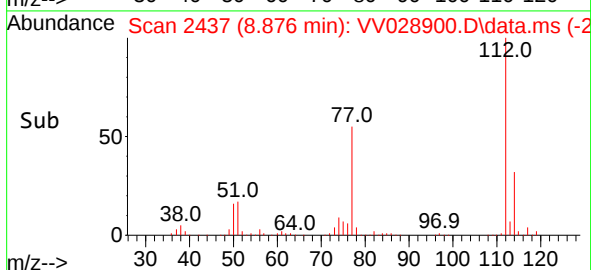
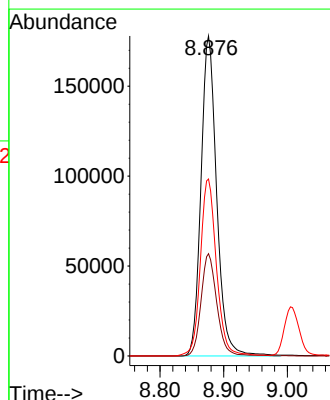
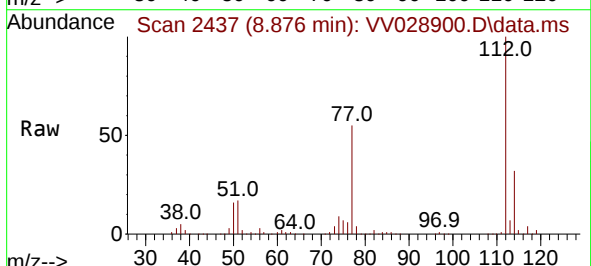
Tgt Ion:112 Resp: 305234

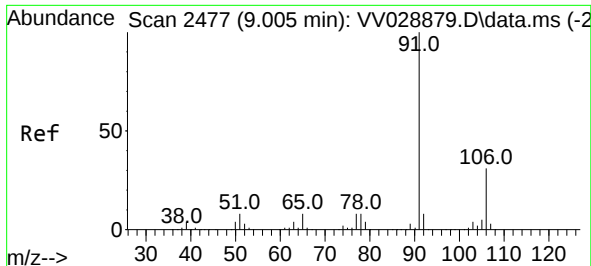
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 55.3 44.4 66.6

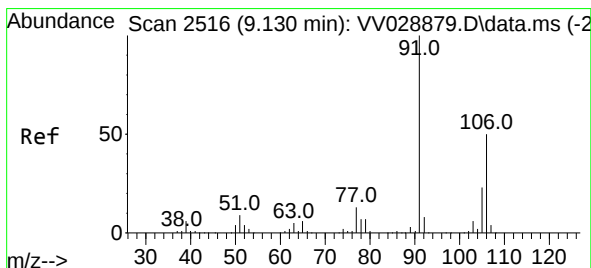
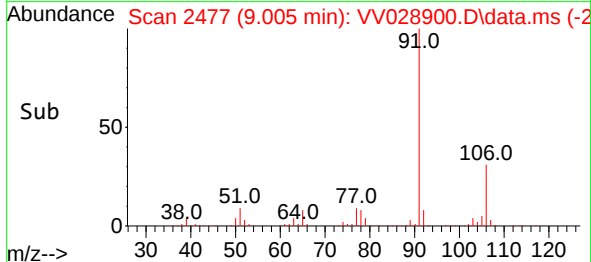
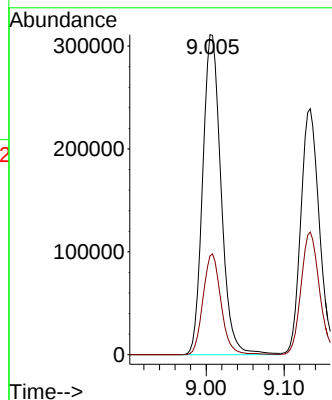
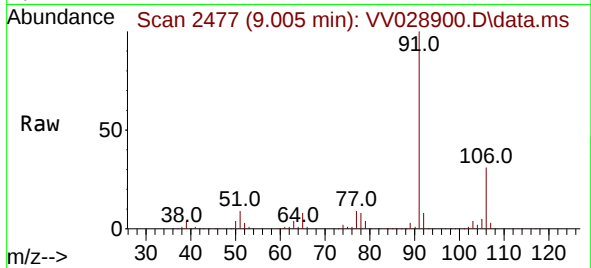




#52  
Ethylbenzene  
Concen: 5.194 ug/L  
RT: 9.005 min Scan# 2477  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

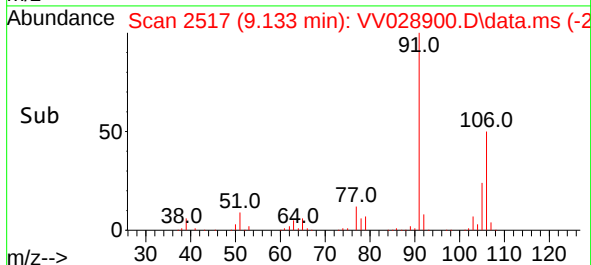
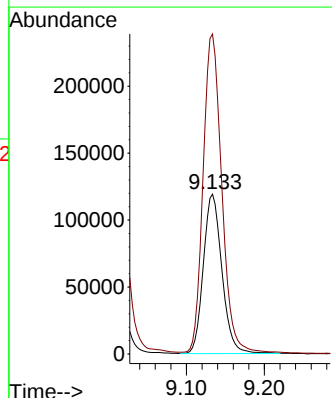
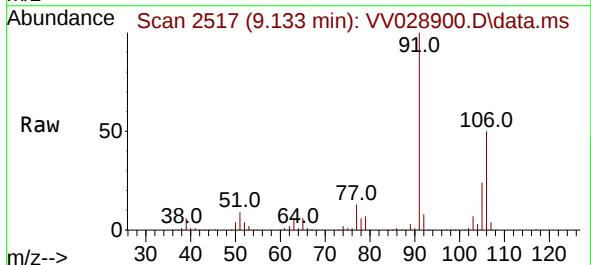
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

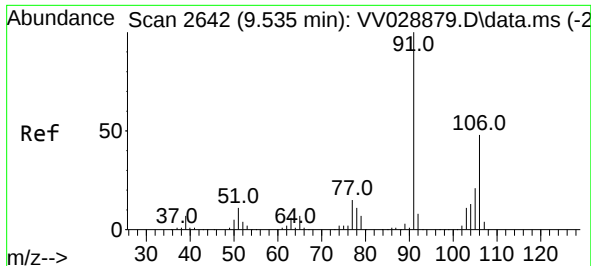
Tgt Ion: 91 Resp: 509839  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.6 40.2



#53  
m,p-Xylene  
Concen: 5.060 ug/L  
RT: 9.133 min Scan# 2517  
Delta R.T. 0.003 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 106 Resp: 197554  
Ion Ratio Lower Upper  
106 100  
91 200.3 139.1 258.3

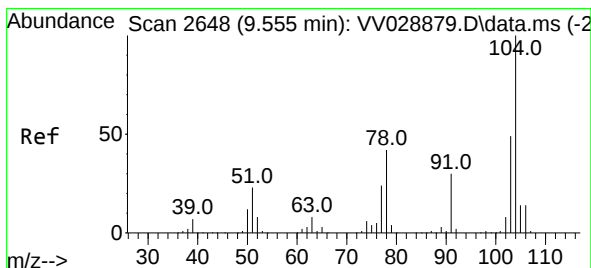
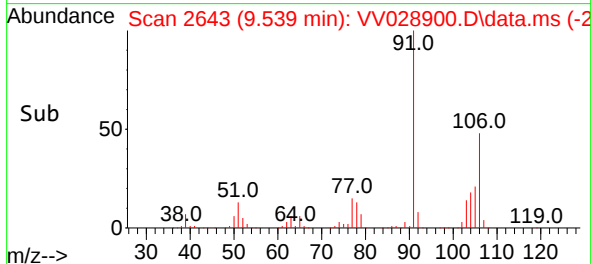
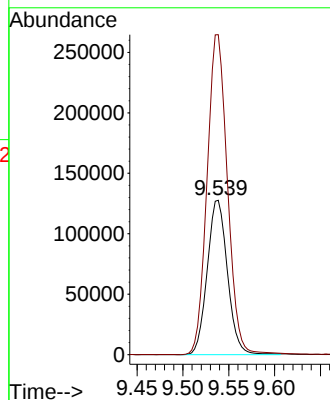
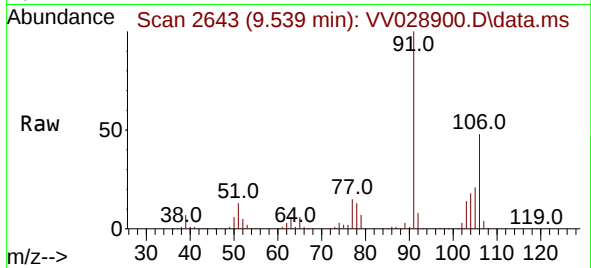




#54  
o-Xylene  
Concen: 5.289 ug/L  
RT: 9.539 min Scan# 2643  
Delta R.T. 0.003 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

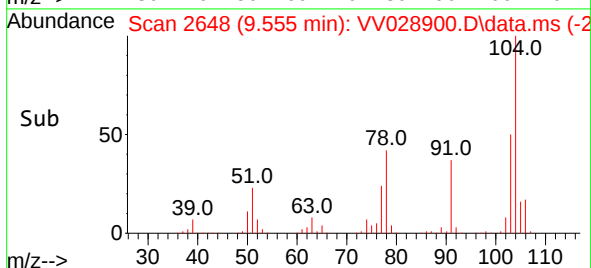
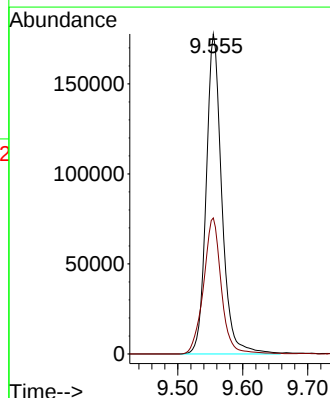
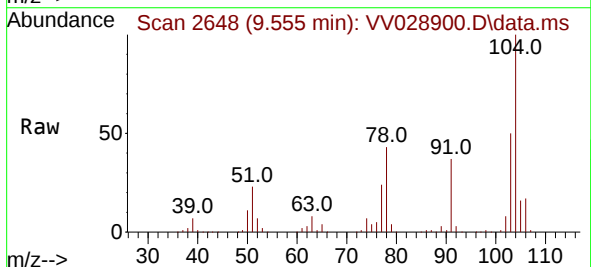
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

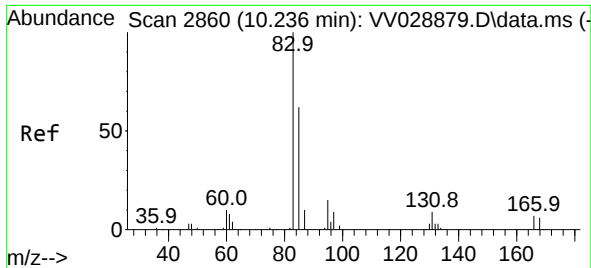
Tgt Ion:106 Resp: 196288  
Ion Ratio Lower Upper  
106 100  
91 207.1 145.7 270.7



#55  
Styrene  
Concen: 4.779 ug/L  
RT: 9.555 min Scan# 2648  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion:104 Resp: 297469  
Ion Ratio Lower Upper  
104 100  
78 42.5 30.1 55.9

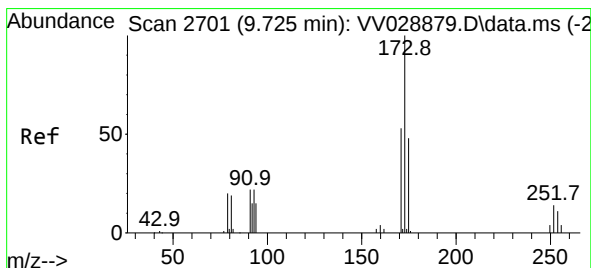
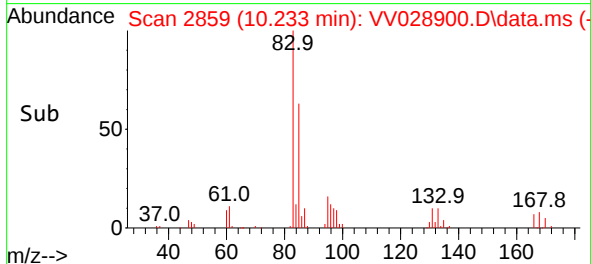
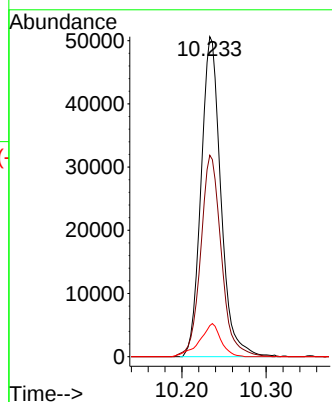
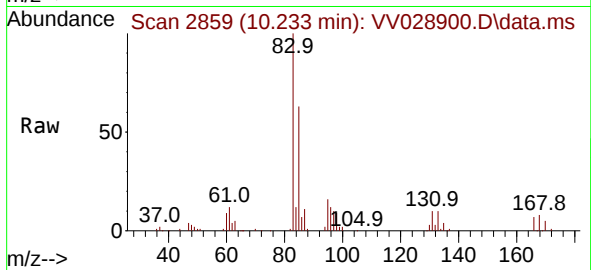




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.405 ug/L  
RT: 10.233 min Scan# 2859  
Delta R.T. -0.003 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

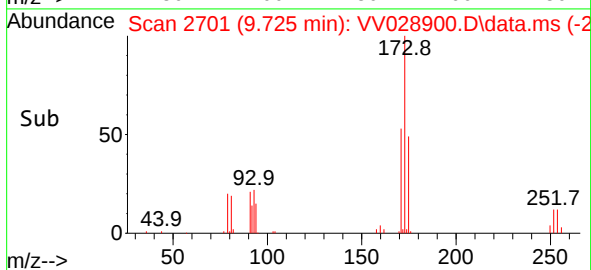
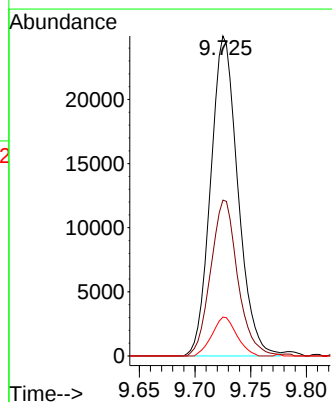
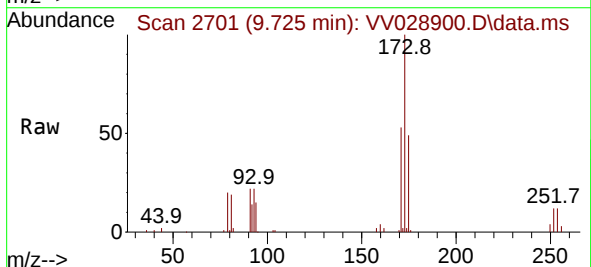
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

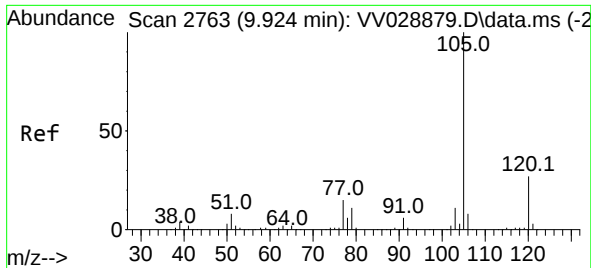
Tgt Ion: 83 Resp: 83002  
Ion Ratio Lower Upper  
83 100  
85 63.0 45.2 84.0  
131 9.7 7.5 11.3



#59  
Bromoform  
Concen: 5.146 ug/L  
RT: 9.725 min Scan# 2701  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 173 Resp: 42463  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.2 57.4  
254 11.0 8.5 12.7

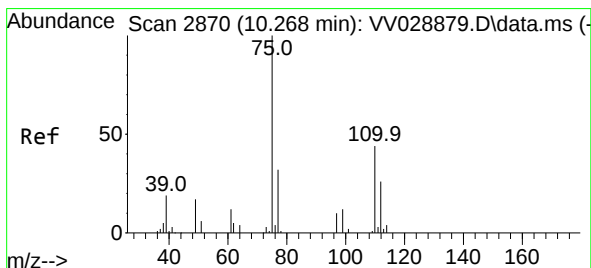
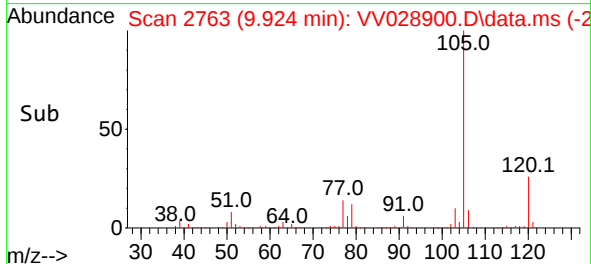
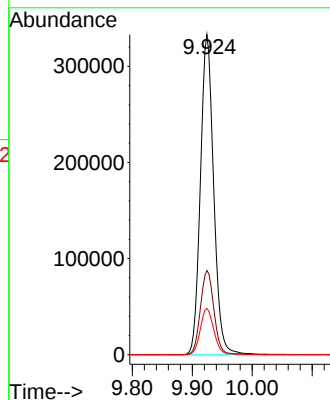
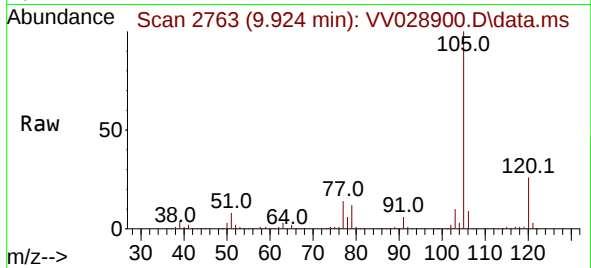




#60  
Isopropylbenzene  
Concen: 5.224 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

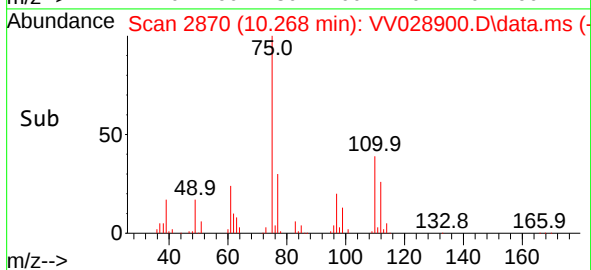
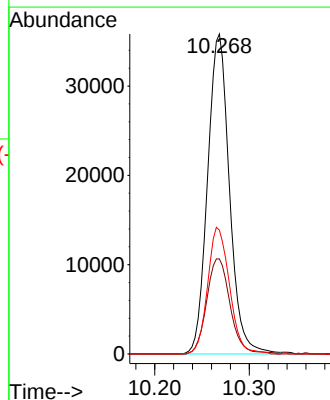
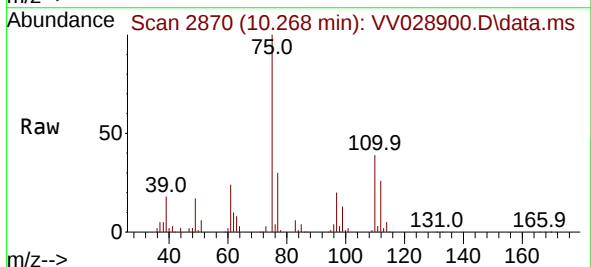
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

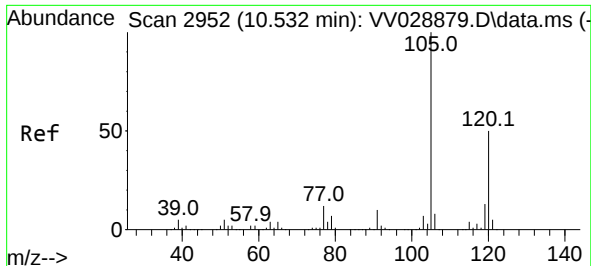
Tgt Ion:105 Resp: 513250  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.3 31.9  
77 14.8 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 5.566 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 75 Resp: 57574  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.2 39.2  
110 39.5 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 5.180 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

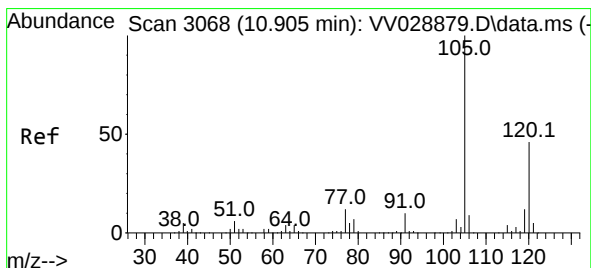
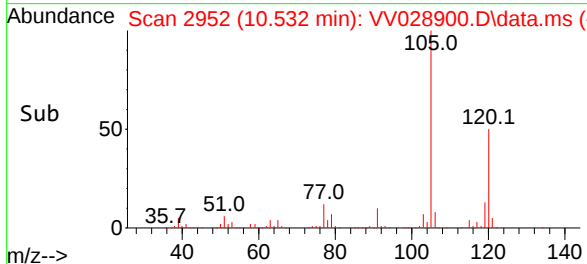
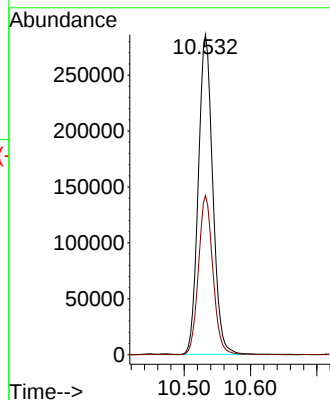
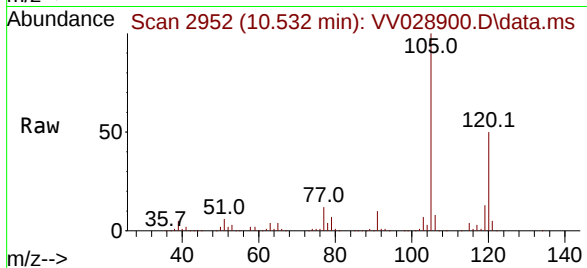
H0AE1MSD

Tgt Ion:105 Resp: 431081

Ion Ratio Lower Upper

105 100

120 49.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.145 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028900.D

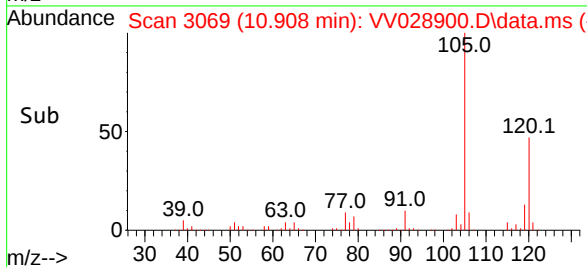
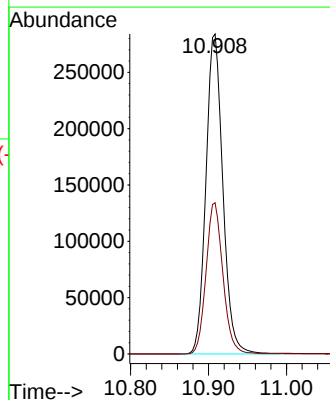
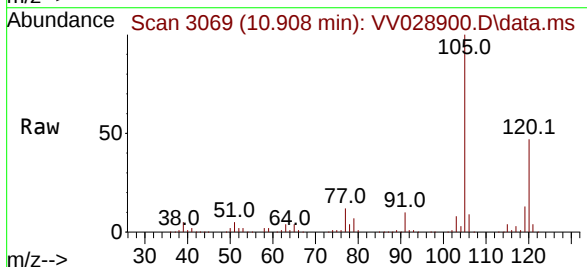
Acq: 12 Nov 2022 01:20

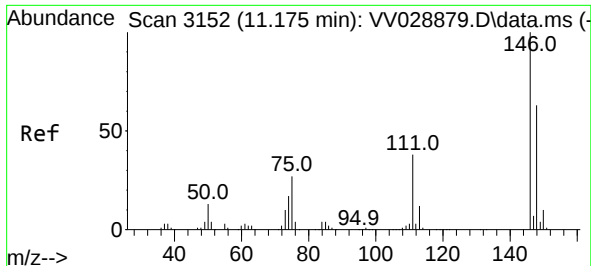
Tgt Ion:105 Resp: 428905

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8

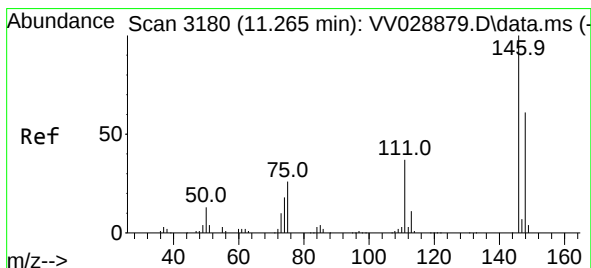
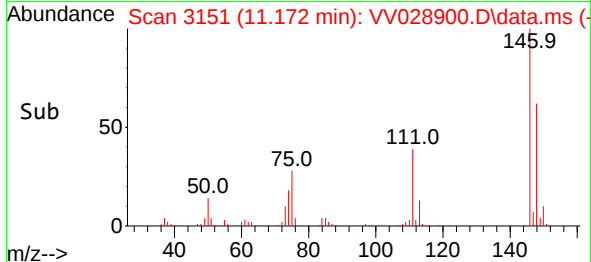
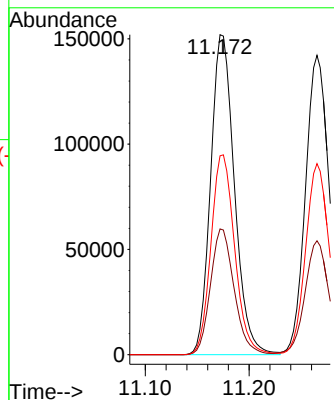
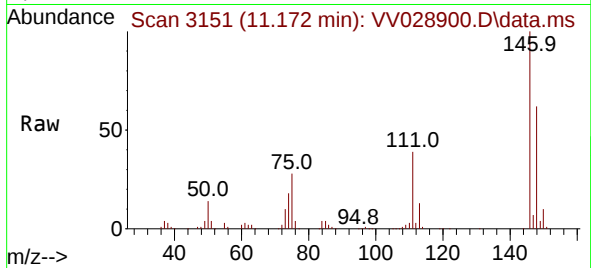




#64  
1,3-Dichlorobenzene  
Concen: 5.237 ug/L  
RT: 11.172 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

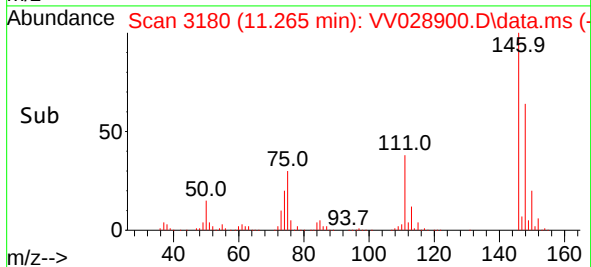
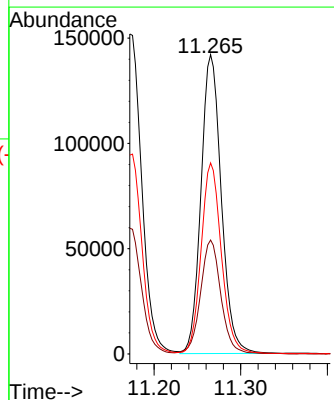
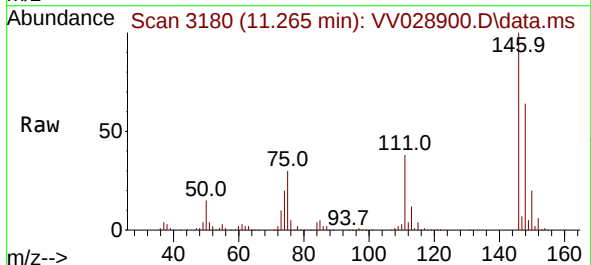
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

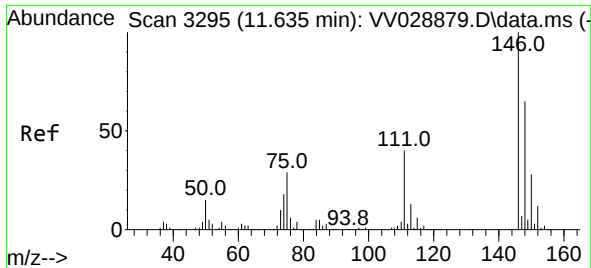
Tgt Ion:146 Resp: 241762  
Ion Ratio Lower Upper  
146 100  
111 39.3 26.9 50.1  
148 62.2 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 4.992 ug/L  
RT: 11.265 min Scan# 3180  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion:146 Resp: 231678  
Ion Ratio Lower Upper  
146 100  
111 38.1 26.5 49.3  
148 63.8 44.5 82.7

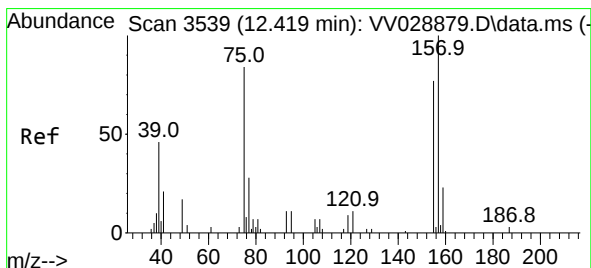
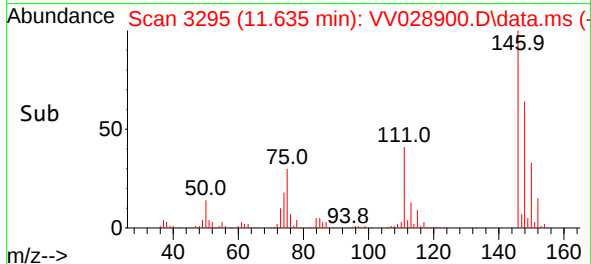
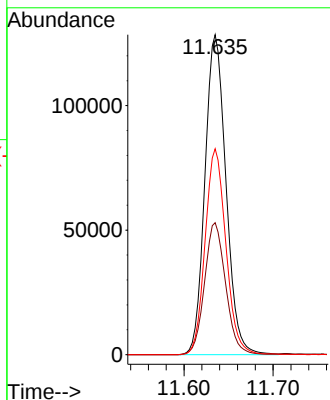
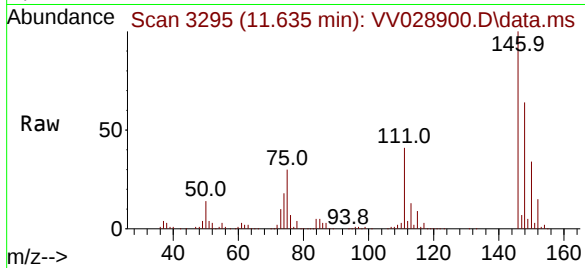




#67  
1,2-Dichlorobenzene  
Concen: 5.085 ug/L  
RT: 11.635 min Scan# 3295  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

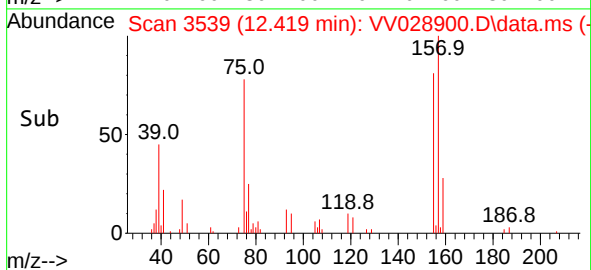
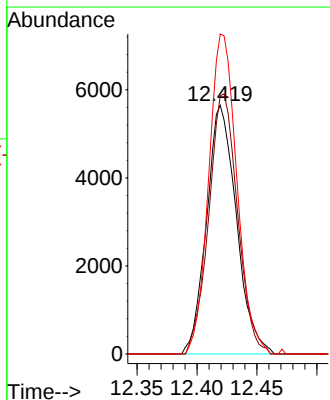
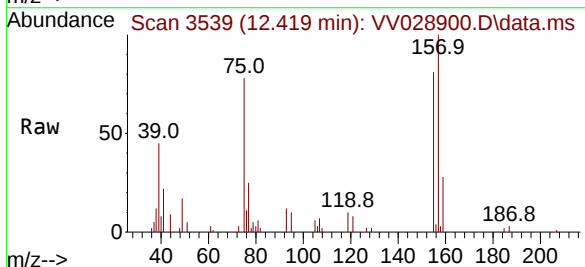
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AE1MSD

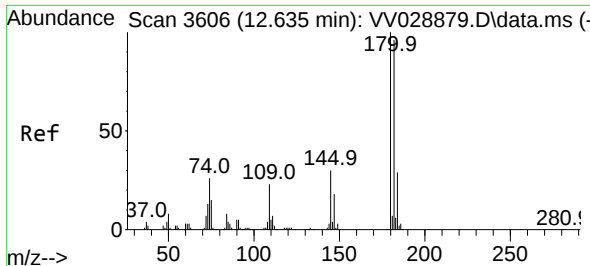
Tgt Ion:146 Resp: 210901  
Ion Ratio Lower Upper  
146 100  
111 41.2 32.4 48.6  
148 64.4 49.4 74.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.797 ug/L  
RT: 12.419 min Scan# 3539  
Delta R.T. 0.000 min  
Lab File: VV028900.D  
Acq: 12 Nov 2022 01:20

Tgt Ion: 75 Resp: 9762  
Ion Ratio Lower Upper  
75 100  
155 103.8 64.8 97.2#  
157 128.7 86.3 129.5

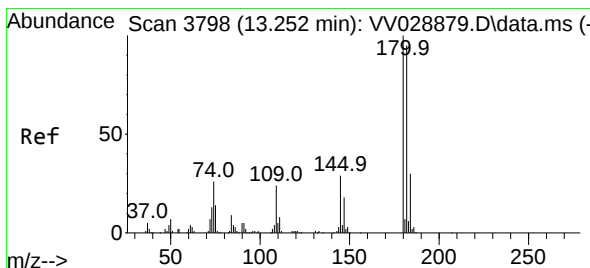
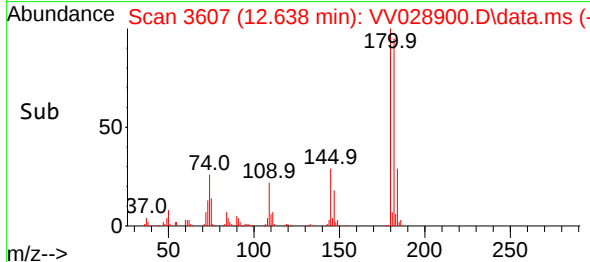
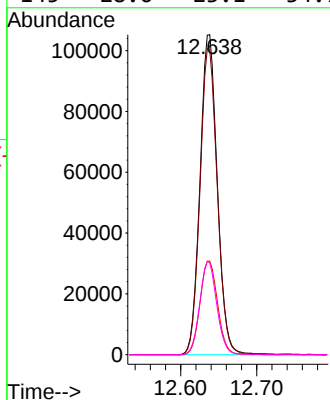
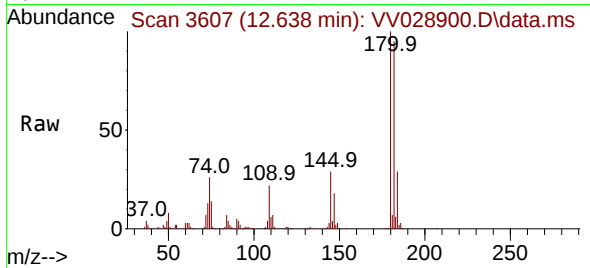




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.672 ug/L  
 RT: 12.638 min Scan# 3607  
 Delta R.T. 0.003 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

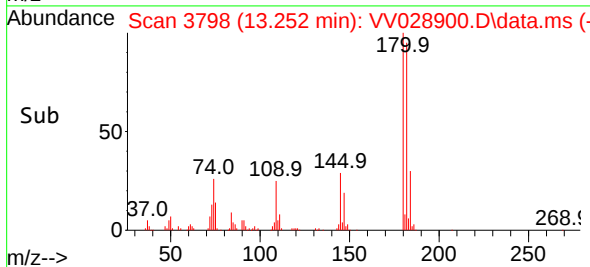
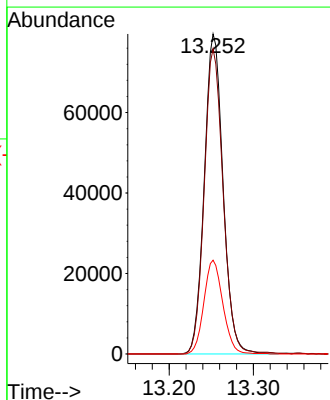
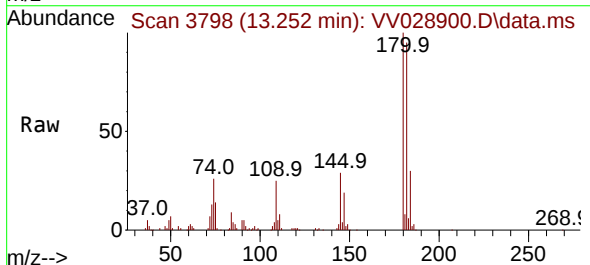
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AE1MSD

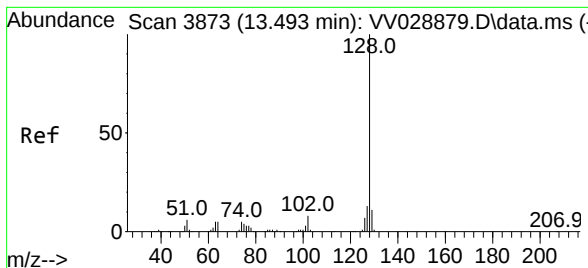
Tgt Ion:180 Resp: 166379  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 76.7 115.1  
 184 29.6 24.0 36.0  
 145 28.6 23.1 34.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.580 ug/L  
 RT: 13.252 min Scan# 3798  
 Delta R.T. 0.000 min  
 Lab File: VV028900.D  
 Acq: 12 Nov 2022 01:20

Tgt Ion:180 Resp: 123359  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 74.3 111.5  
 145 29.7 23.7 35.5





#71

Naphthalene

Concen: 4.116 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Instrument :

MSVOA\_V

ClientSampleId :

H0AE1MSD

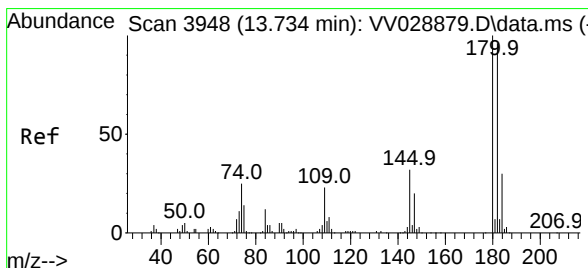
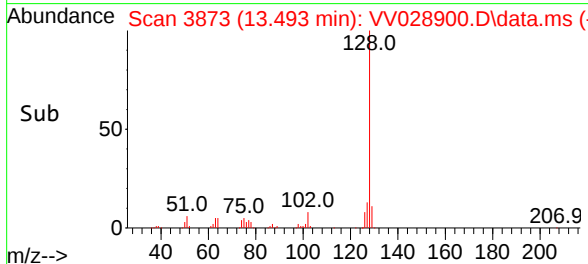
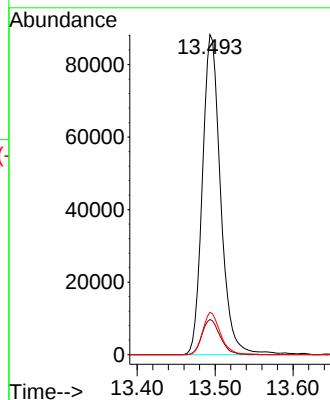
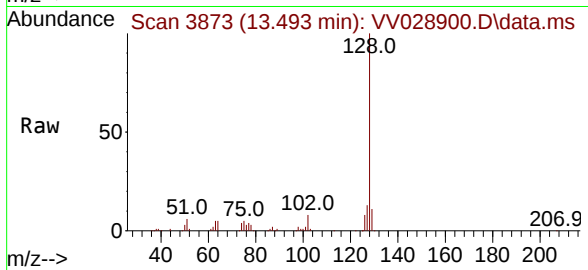
Tgt Ion:128 Resp: 143065

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.9 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 4.636 ug/L

RT: 13.735 min Scan# 3948

Delta R.T. 0.000 min

Lab File: VV028900.D

Acq: 12 Nov 2022 01:20

Tgt Ion:180 Resp: 105775

Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 31.4 24.9 37.3

