

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
 Data File : VV022827.D  
 Acq On : 15 Oct 2021 05:27  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

Quant Time: Oct 16 03:58:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 16 03:54:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 100323   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 100616   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 60065    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 29640    | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 29463    | 4.750    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 63728    | 4.707    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.200%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 75456    | 41.692   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 83.380%  |
| 24) Chloroform-d              | 4.352  | 84    | 79995    | 5.624    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 112.400% |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 35883    | 5.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 32) Benzene-d6                | 5.053  | 84    | 146917   | 4.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 43788    | 4.936    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.800%  |
| 41) Toluene-d8                | 7.317  | 98    | 144069   | 5.564    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.200% |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 14647    | 4.978    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 65415    | 55.164   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.320% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 33114    | 5.511    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 58035    | 5.211    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 39173    | 5.358    | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50    | 36889    | 5.020    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.311  | 62    | 37195    | 4.899    | ug/L   | 98       |
| 6) Bromomethane               | 1.523  | 94    | 24195    | 5.112    | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64    | 23099    | 4.917    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 61104    | 5.494    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118  | 101   | 33935    | 5.245    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 31108    | 5.133    | ug/L   | 85       |
| 13) Acetone                   | 2.182  | 43    | 41918    | 41.536   | ug/L # | 42       |
| 14) Carbon disulfide          | 2.298  | 76    | 92934    | 5.457    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.439  | 43    | 10405    | 3.603    | ug/L   | 94       |
| 16) Methylene chloride        | 2.510  | 84    | 41490    | 4.974    | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 67820    | 4.625    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 35780    | 5.429    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.192  | 63    | 62409    | 5.258    | ug/L   | 97       |
| 21) 2-Butanone                | 3.976  | 43    | 60155    | 36.404   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 36650    | 5.296    | ug/L   | 90       |
| 23) Bromochloromethane        | 4.249  | 128   | 17223    | 5.602    | ug/L   | 90       |
| 25) Chloroform                | 4.378  | 83    | 67392    | 4.898    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
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 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 51 Sample Multiplier: 1

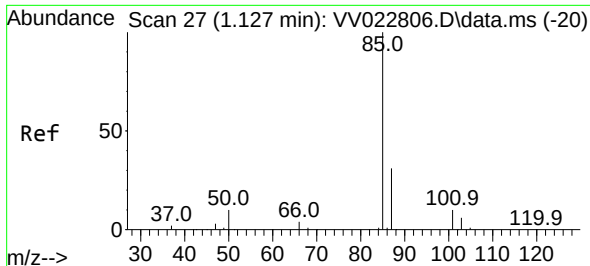
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

Quant Time: Oct 16 03:58:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 16 03:54:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.134  | 62   | 34632    | 5.043  | ug/L  | 95       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 61271    | 5.333  | ug/L  | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 47988    | 4.526  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 55643    | 5.579  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 139631   | 5.153  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 37196    | 5.048  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.133  | 83   | 51958    | 5.033  | ug/L  | 94       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 33541    | 5.146  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 43280    | 5.389  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 44285    | 5.133  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 156831   | 44.785 | ug/L  | 98       |
| 42) Toluene                   | 7.391  | 91   | 158949   | 5.778  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 37647    | 5.353  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 24385    | 5.042  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.976  | 164  | 32916    | 5.523  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 115041   | 44.930 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 31427    | 5.551  | ug/L  | 85       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 22528    | 4.989  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.883  | 112  | 101216   | 5.599  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.014  | 91   | 163476   | 5.853  | ug/L  | 100      |
| 53) m,p-xylene                | 9.140  | 106  | 64734    | 5.906  | ug/L  | 99       |
| 54) o-xylene                  | 9.545  | 106  | 61942    | 6.007  | ug/L  | 96       |
| 55) Styrene                   | 9.561  | 104  | 108496   | 6.106  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 27199    | 5.559  | ug/L  | 95       |
| 59) Bromoform                 | 9.731  | 173  | 17225    | 5.119  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 169919   | 5.569  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 19170    | 4.594  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 136531   | 5.539  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 140835   | 5.709  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 87812    | 5.484  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 87985    | 5.411  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 79991    | 5.325  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 3923     | 5.165  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 70417    | 5.838  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 56439    | 6.125  | ug/L  | 98       |
| 71) Naphthalene               | 13.503 | 128  | 83443    | 5.697  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 52908    | 6.089  | ug/L  | 99       |

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

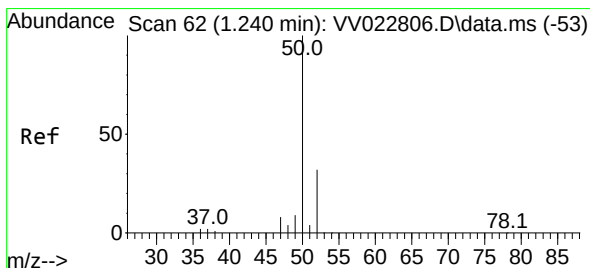
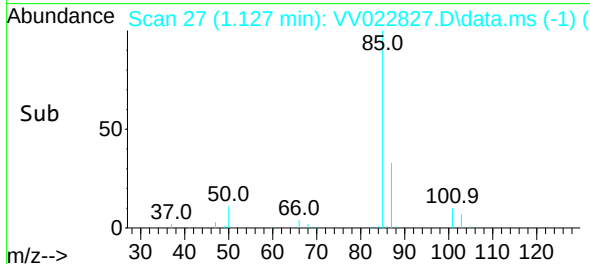
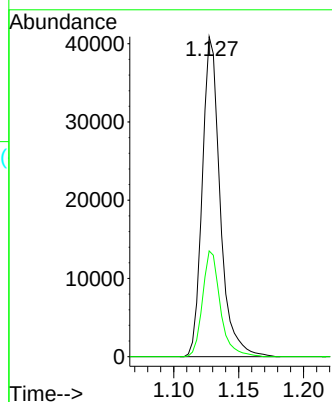
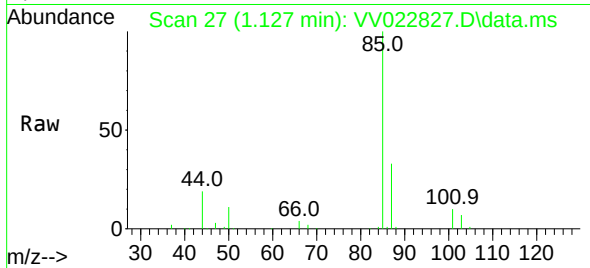




#2  
Dichlorodifluoromethane  
Concen: 5.358 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

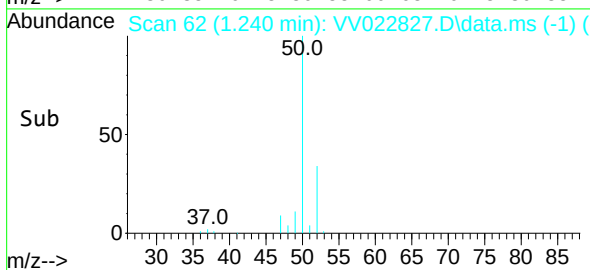
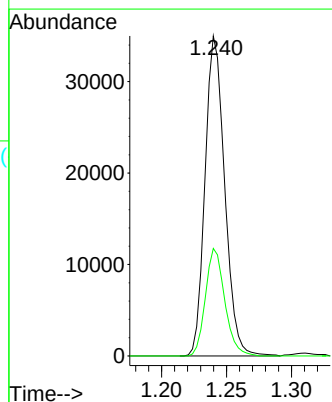
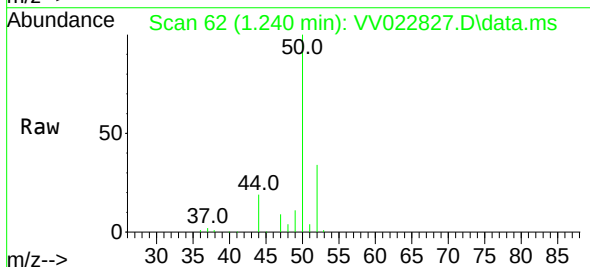
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

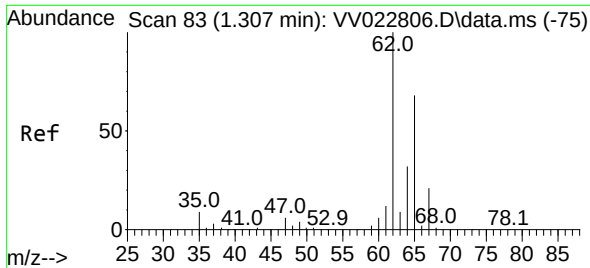
Tgt Ion: 85 Resp: 39173  
Ion Ratio Lower Upper  
85 100  
87 33.0 26.3 39.5



#3  
Chloromethane  
Concen: 5.020 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 50 Resp: 36889  
Ion Ratio Lower Upper  
50 100  
52 33.6 22.9 42.5

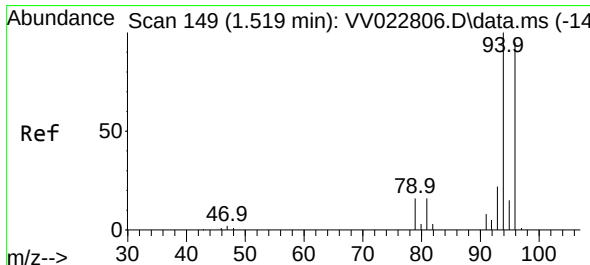
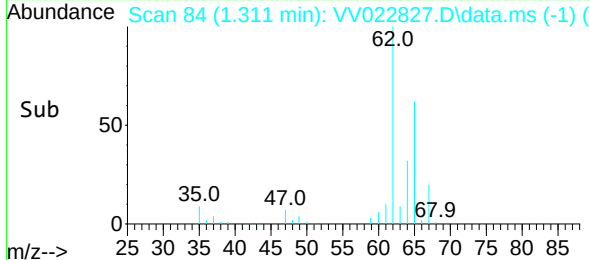
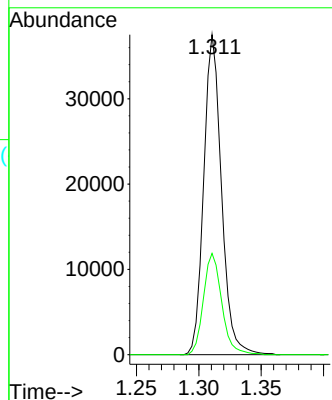
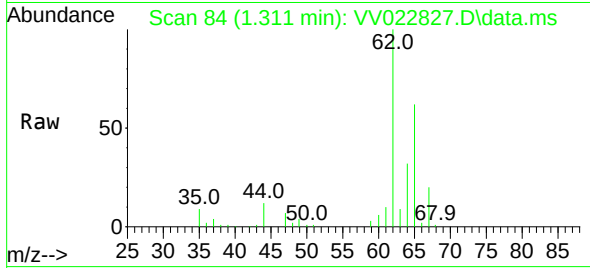




#5  
 Vinyl chloride  
 Concen: 4.899 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

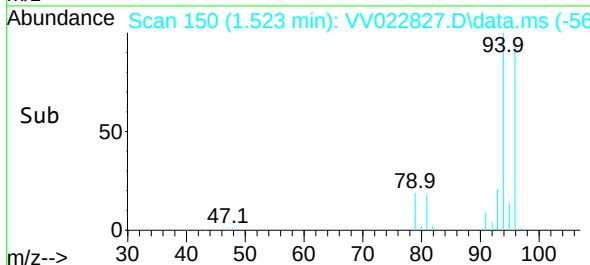
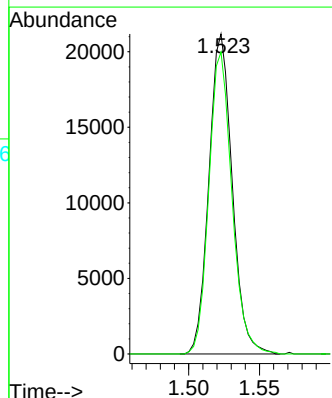
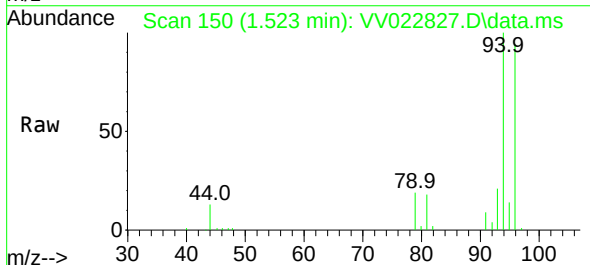
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

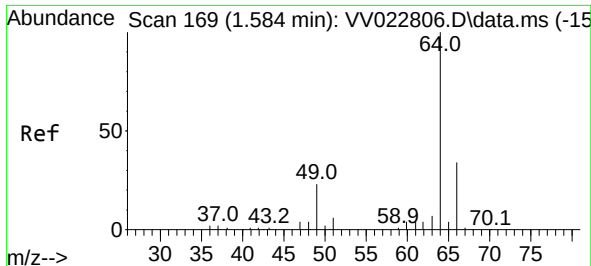
Tgt Ion: 62 Resp: 37195  
 Ion Ratio Lower Upper  
 62 100  
 64 31.6 23.0 42.8



#6  
 Bromomethane  
 Concen: 5.112 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

Tgt Ion: 94 Resp: 24195  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 67.2 124.8

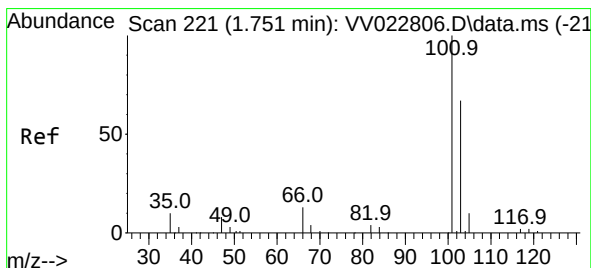
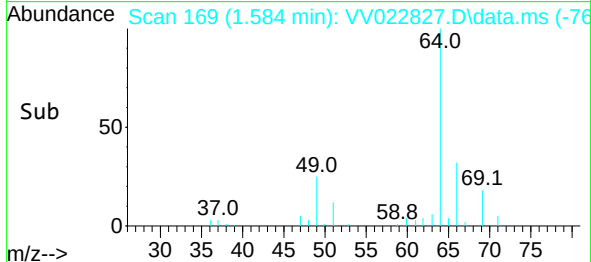
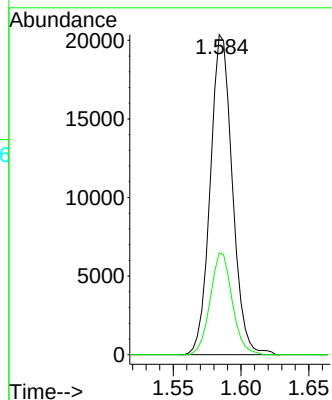
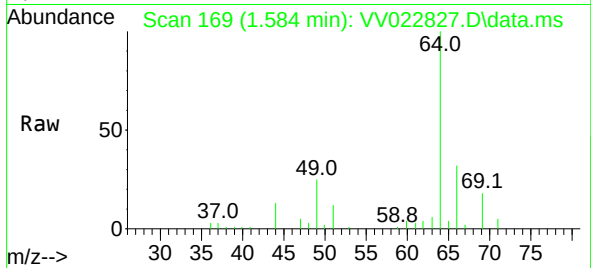




#8  
Chloroethane  
Concen: 4.917 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

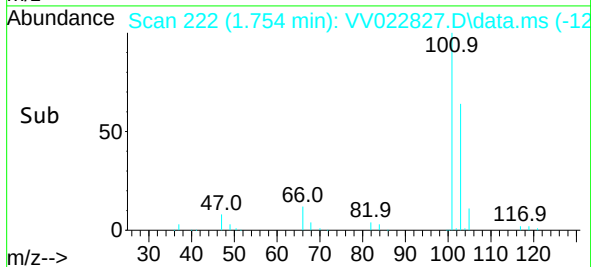
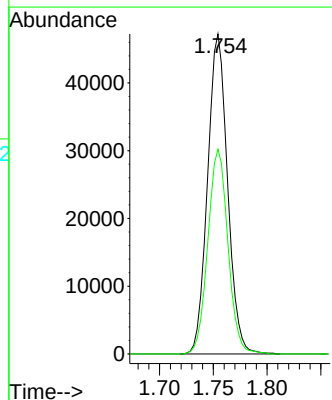
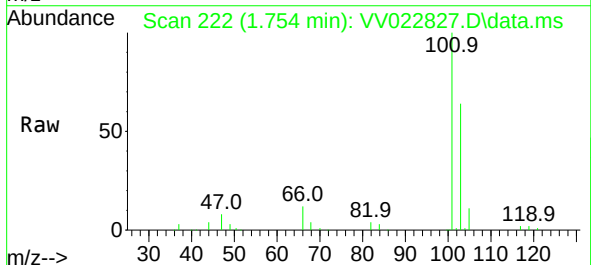
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

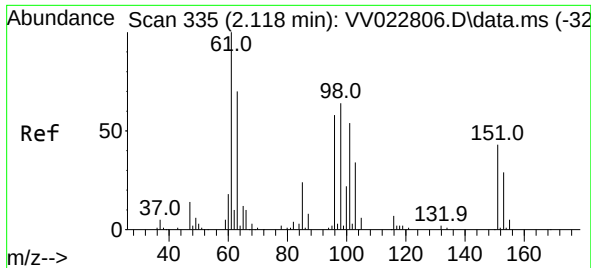
Tgt Ion: 64 Resp: 23099  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 5.494 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:101 Resp: 61104  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.3 75.5

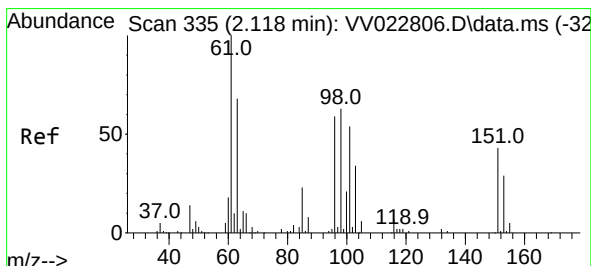
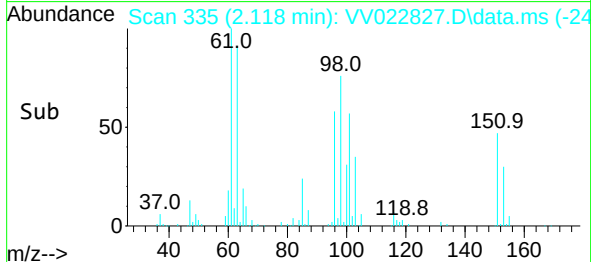
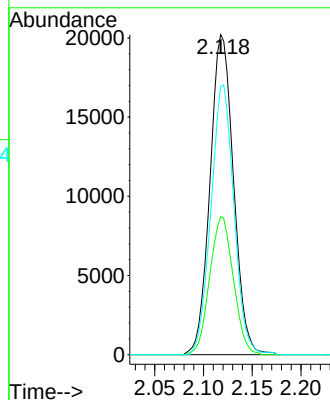
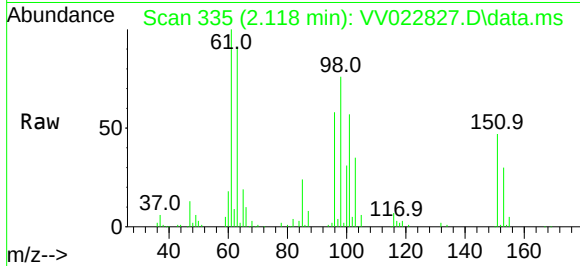




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.245 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

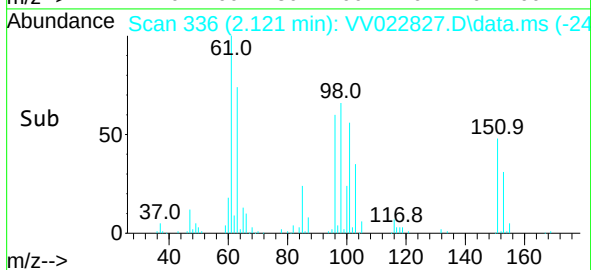
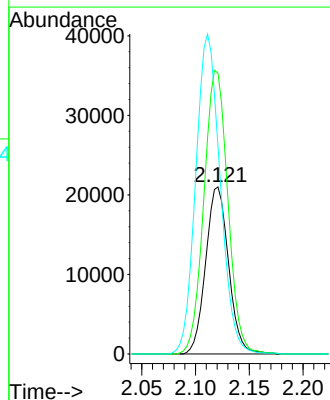
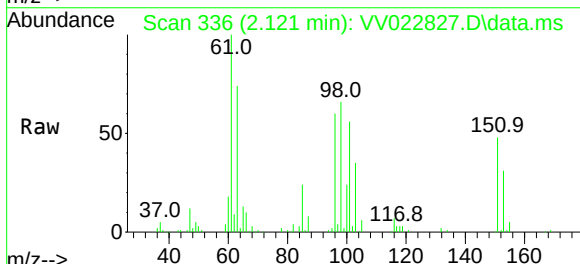
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

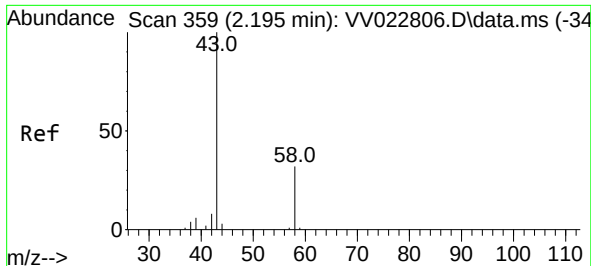
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|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 33935 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 43.3  | 34.6  | 52.0  |
| 151      | 82.6  | 60.9  | 91.3  |



#12  
 1,1-Dichloroethene  
 Concen: 5.133 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 31108 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 168.0 | 127.3 | 236.5 |
| 63       | 124.4 | 106.2 | 197.2 |

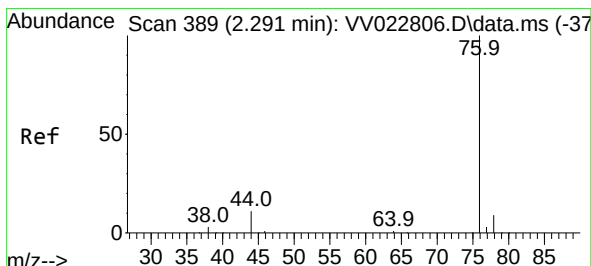
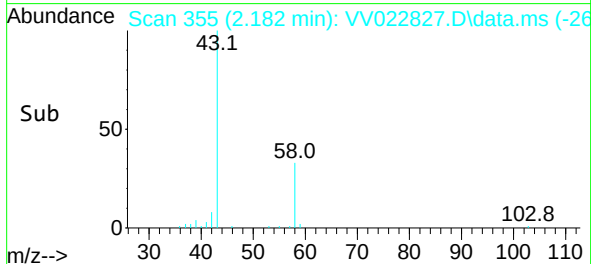
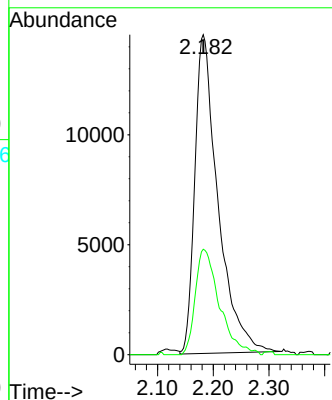
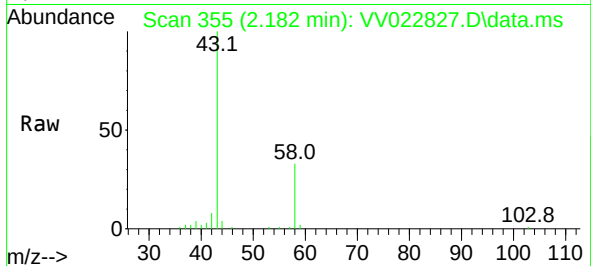




#13  
Acetone  
Concen: 41.536 ug/L  
RT: 2.182 min Scan# 355  
Delta R.T. -0.013 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

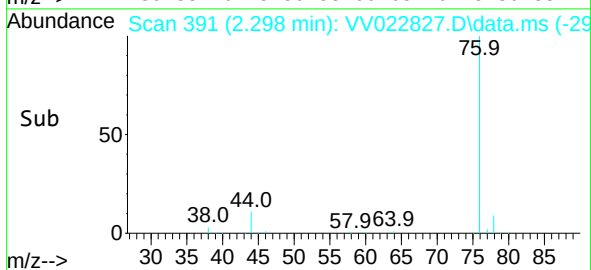
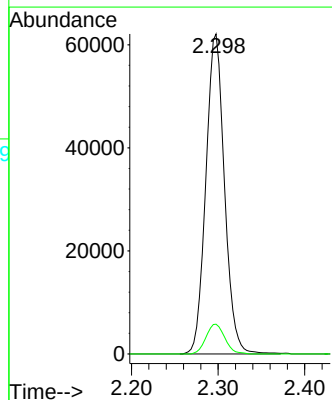
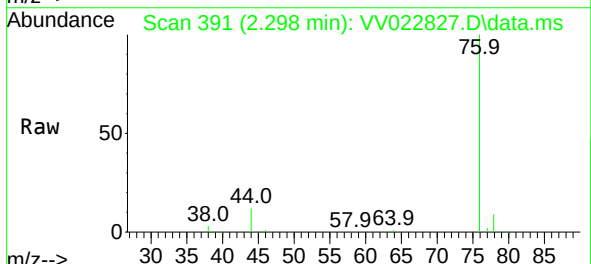
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

Tgt Ion: 43 Resp: 41918  
Ion Ratio Lower Upper  
43 100  
58 34.5 0.0 24.2#

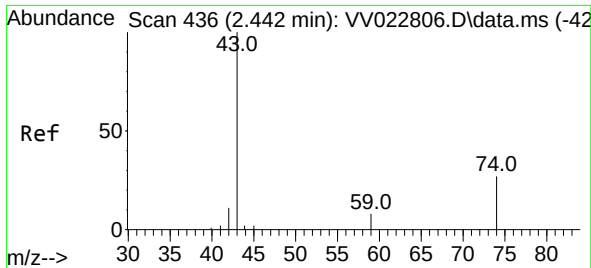


#14  
Carbon disulfide  
Concen: 5.457 ug/L  
RT: 2.298 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 76 Resp: 92934  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



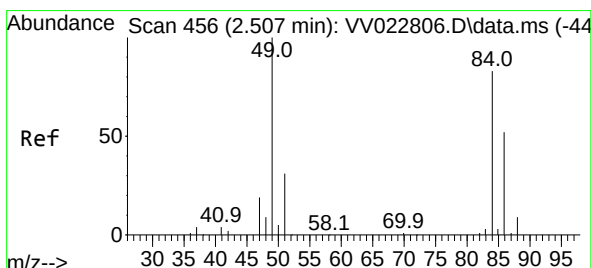
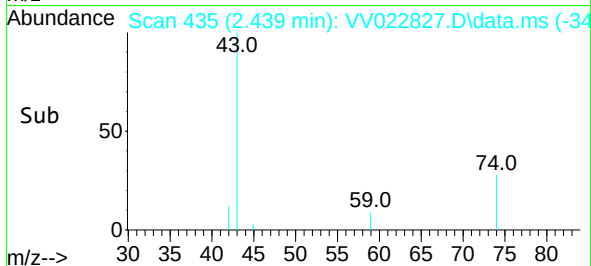
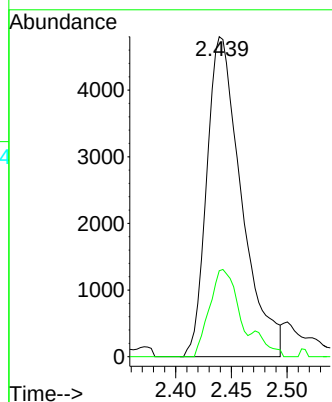
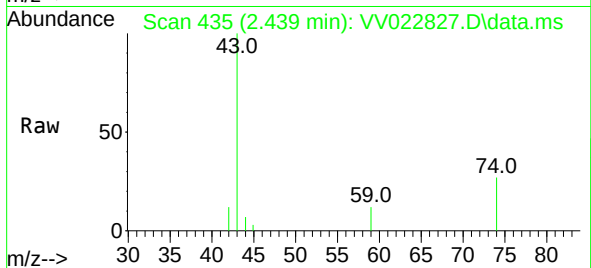




#15  
Methyl Acetate  
Concen: 3.603 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

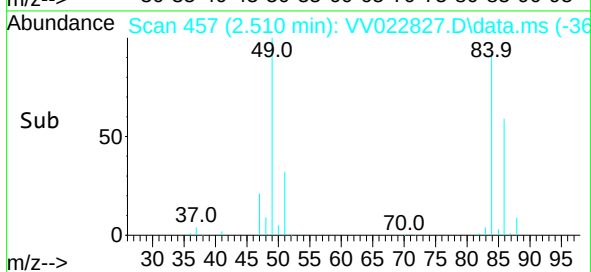
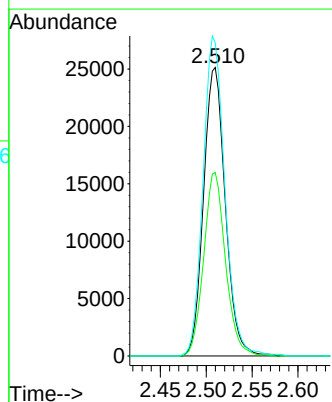
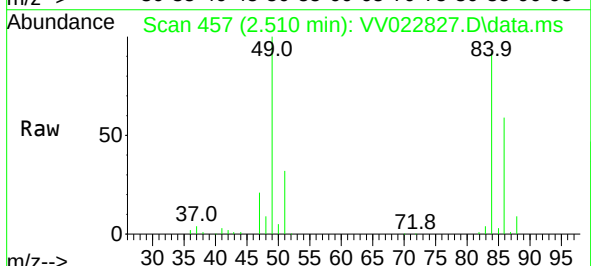
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

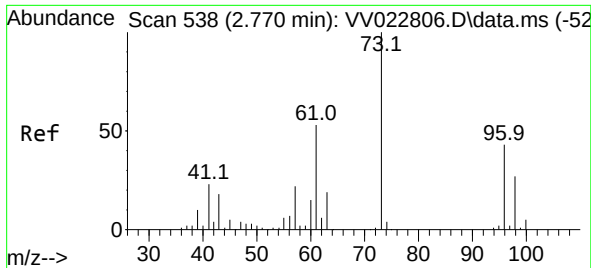
Tgt Ion: 43 Resp: 10405  
Ion Ratio Lower Upper  
43 100  
74 21.8 19.9 29.9



#16  
Methylene chloride  
Concen: 4.974 ug/L  
RT: 2.510 min Scan# 457  
Delta R.T. 0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 84 Resp: 41490  
Ion Ratio Lower Upper  
84 100  
86 63.6 45.8 85.2  
49 108.6 90.3 167.7

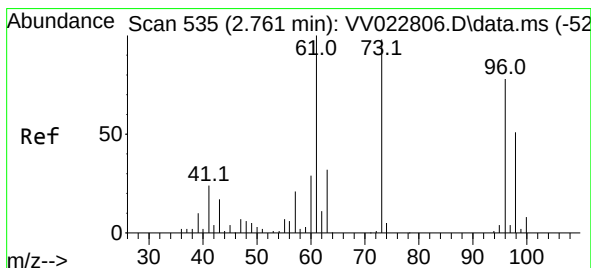
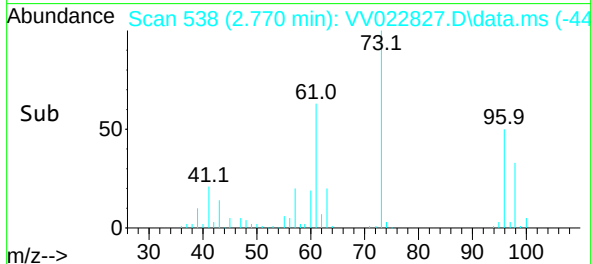
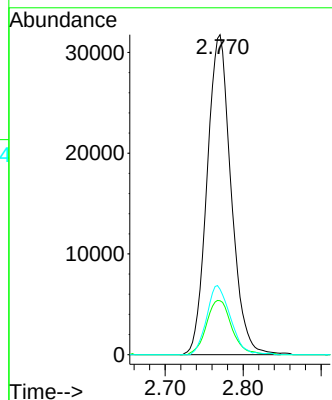
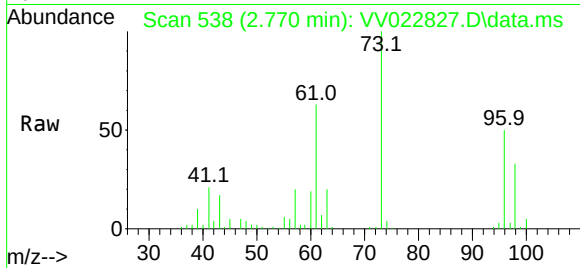




#17  
Methyl tert-butyl Ether  
Concen: 4.625 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

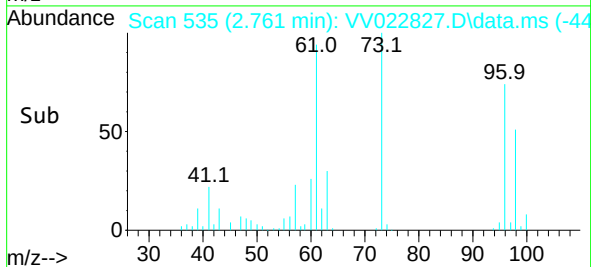
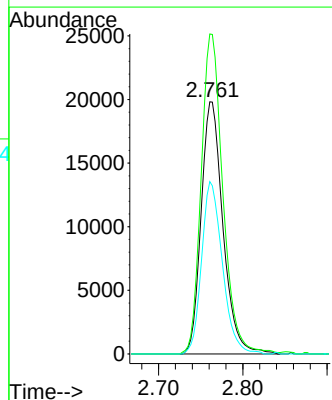
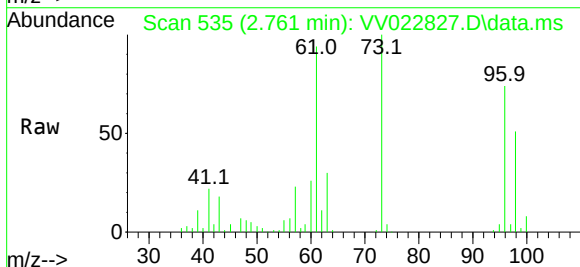
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

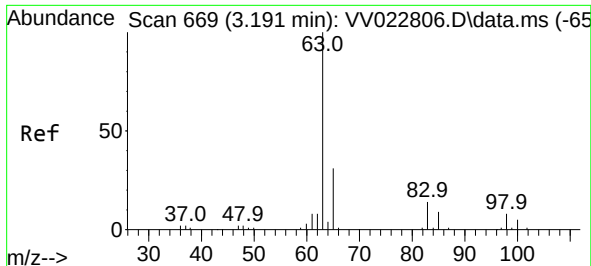
Tgt Ion: 73 Resp: 67820  
Ion Ratio Lower Upper  
73 100  
43 17.8 17.1 25.7  
57 21.3 17.2 25.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.429 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 96 Resp: 35780  
Ion Ratio Lower Upper  
96 100  
61 126.9 94.5 175.5  
98 68.3 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.258 ug/L

RT: 3.192 min Scan# 669

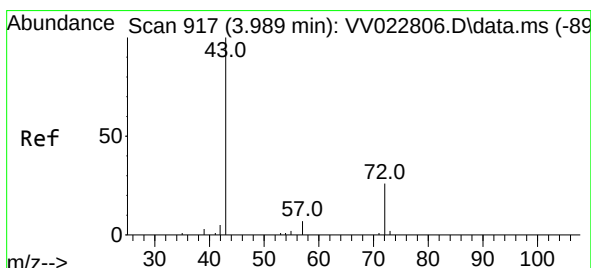
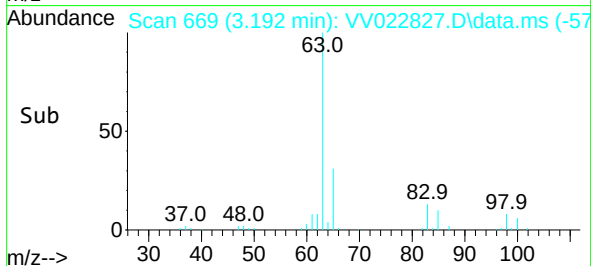
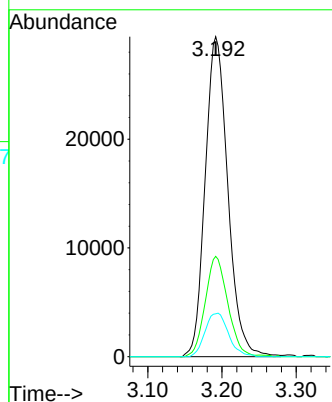
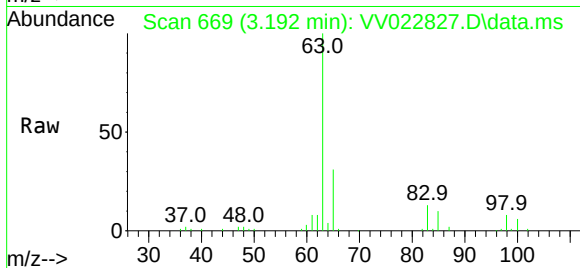
Delta R.T. 0.000 min

Lab File: VV022827.D

Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 62409 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.4  | 23.5  | 43.7  |
| 83       | 13.4  | 10.1  | 18.7  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311



#21

2-Butanone

Concen: 36.404 ug/L

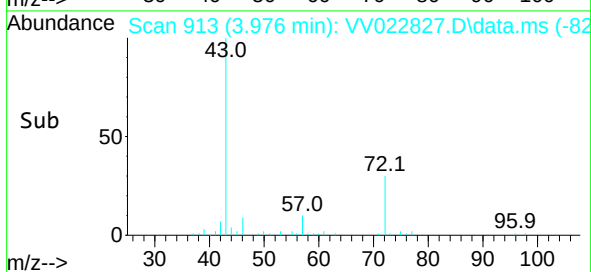
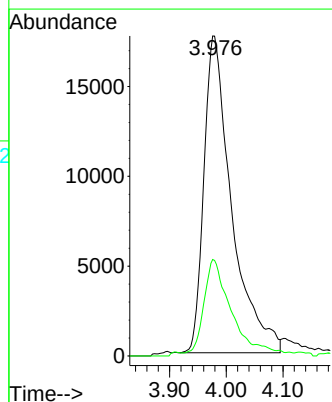
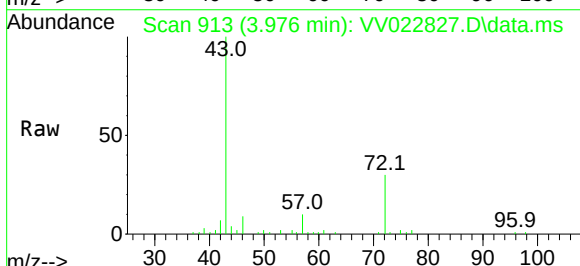
RT: 3.976 min Scan# 913

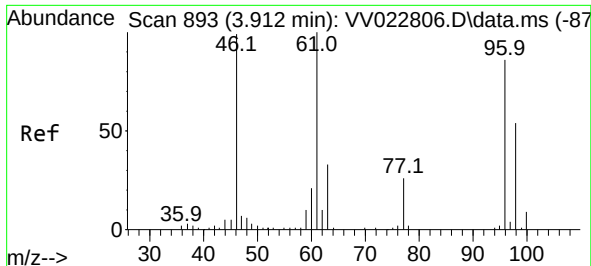
Delta R.T. -0.013 min

Lab File: VV022827.D

Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 60155 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.5  | 12.3  | 36.8  |

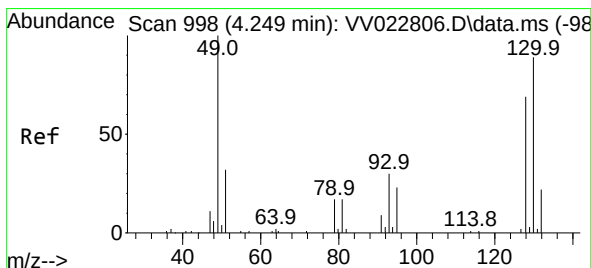
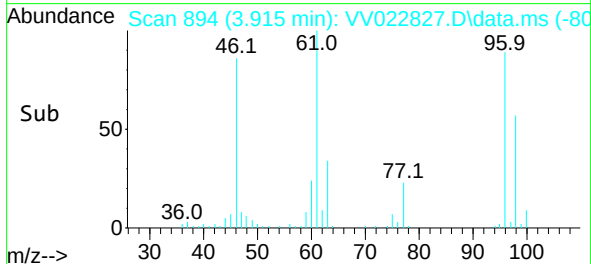
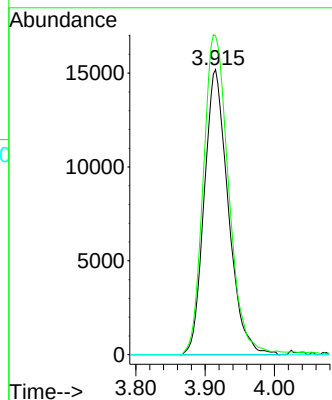
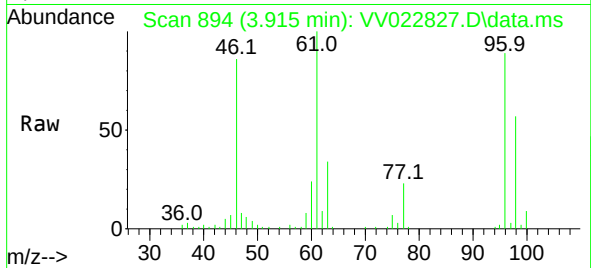




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.296 ug/L  
 RT: 3.915 min Scan# 894  
 Delta R.T. 0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

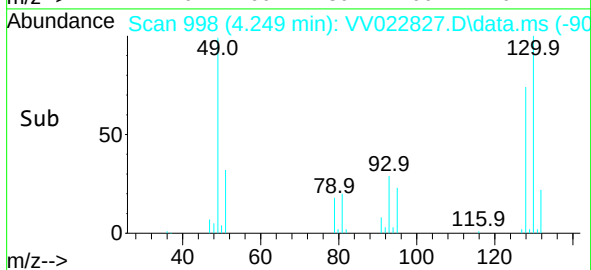
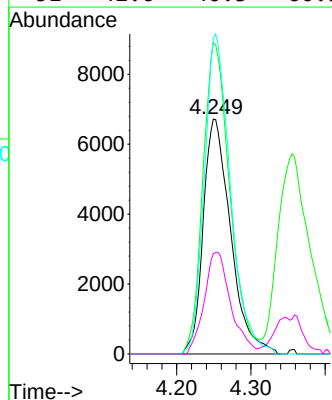
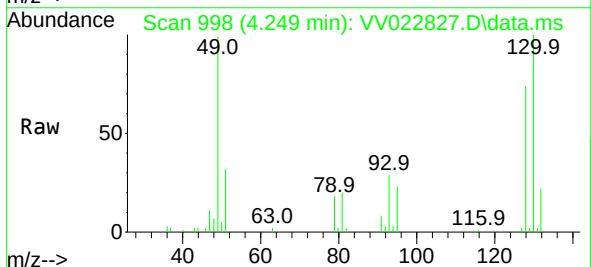
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

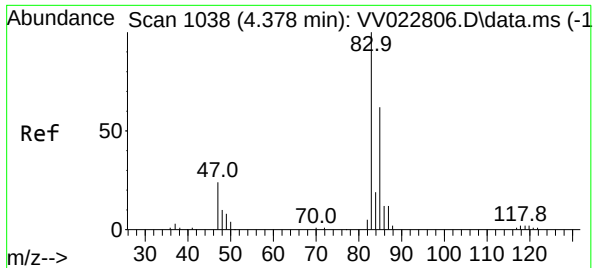
Tgt Ion: 96 Resp: 36650  
 Ion Ratio Lower Upper  
 96 100  
 61 111.9 86.0 159.6  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.602 ug/L  
 RT: 4.249 min Scan# 998  
 Delta R.T. 0.000 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

Tgt Ion: 128 Resp: 17223  
 Ion Ratio Lower Upper  
 128 100  
 49 132.6 106.9 198.5  
 130 134.3 91.9 170.7  
 51 42.6 40.3 60.5



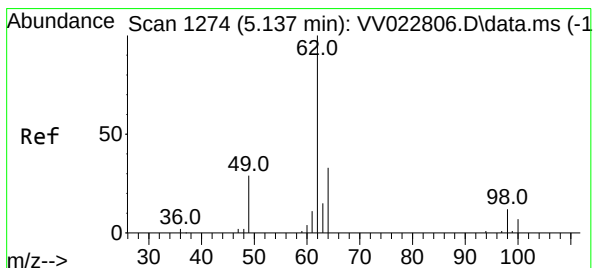
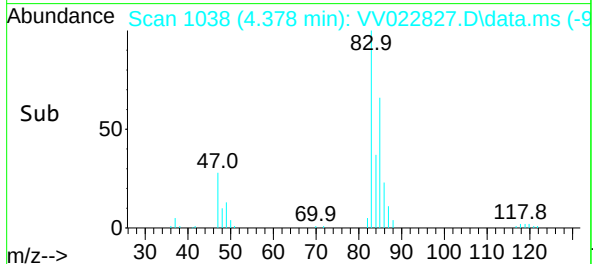
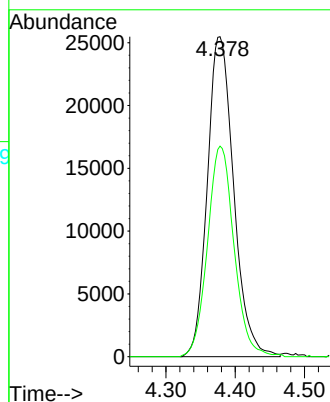
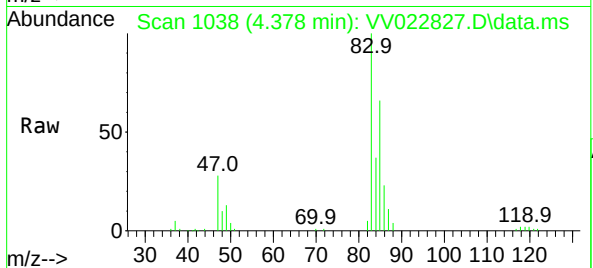


#25

Chloroform  
Concen: 4.898 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Instrument :  
MSVOA\_V  
ClientSampled :  
VSTD005311

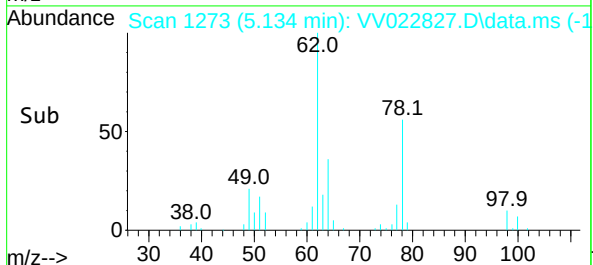
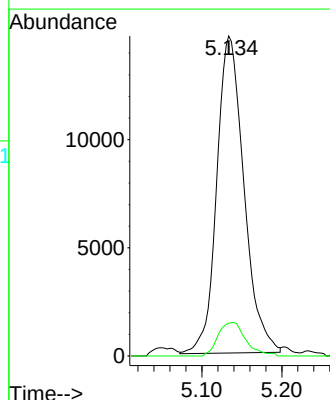
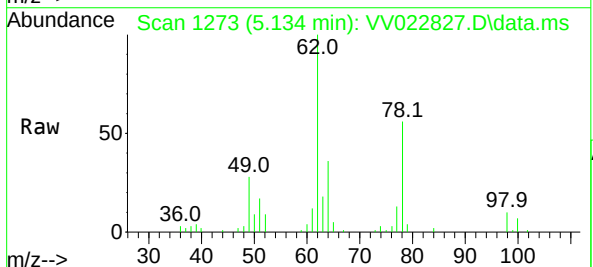
Tgt Ion: 83 Resp: 67392  
Ion Ratio Lower Upper  
83 100  
85 65.8 45.7 84.9

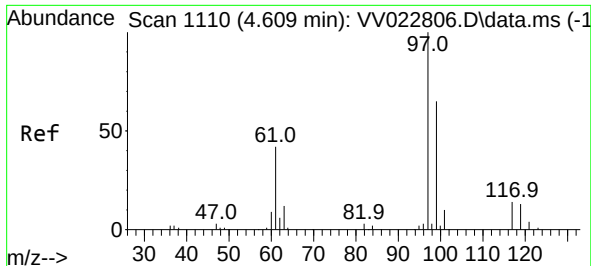


#27

1,2-Dichloroethane  
Concen: 5.043 ug/L  
RT: 5.134 min Scan# 1273  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 62 Resp: 34632  
Ion Ratio Lower Upper  
62 100  
98 10.3 9.7 14.5





#29

1,1,1-Trichloroethane

Concen: 5.333 ug/L

RT: 4.609 min Scan# 1110

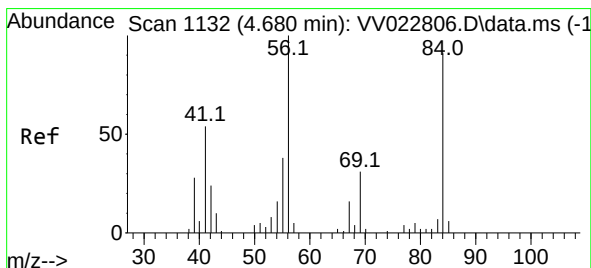
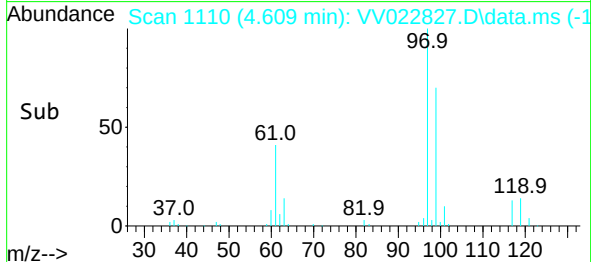
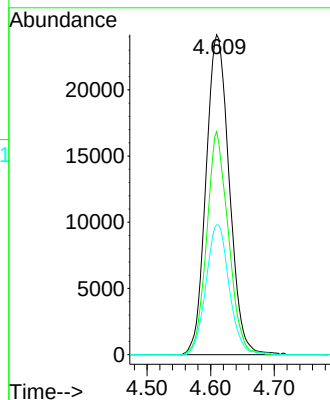
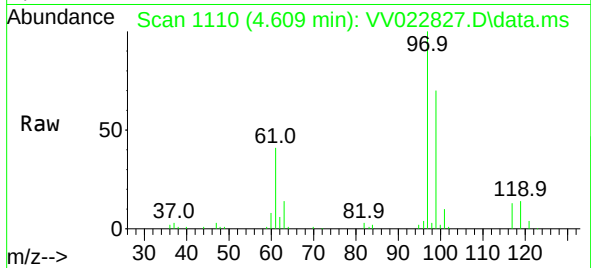
Delta R.T. 0.000 min

Lab File: VV022827.D

Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 61271 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.9  | 51.2  | 76.8  |
| 61       | 40.6  | 33.2  | 49.8  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311



#30

Cyclohexane

Concen: 4.526 ug/L

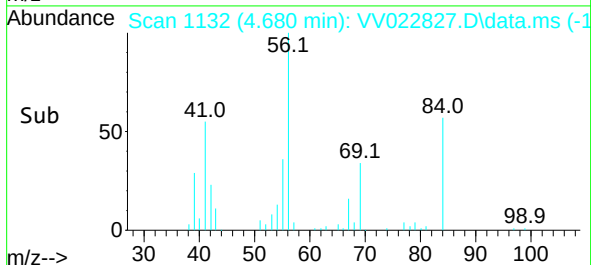
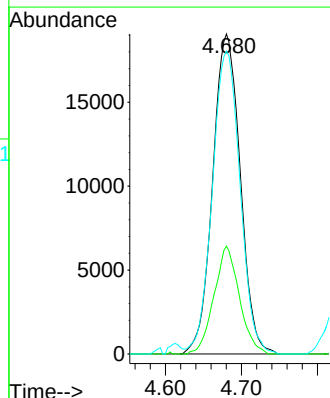
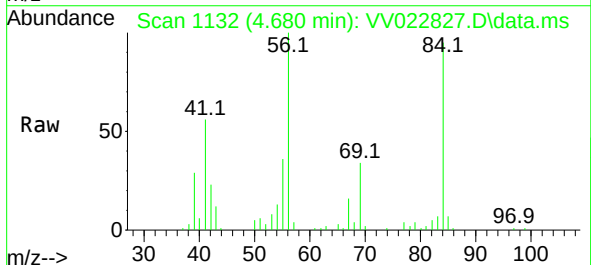
RT: 4.680 min Scan# 1132

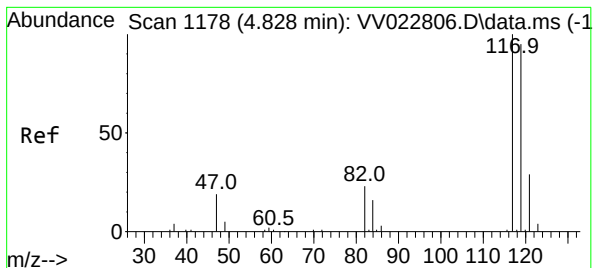
Delta R.T. 0.000 min

Lab File: VV022827.D

Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 47988 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.0  | 24.9  | 37.3  |
| 84       | 95.6  | 72.5  | 108.7 |

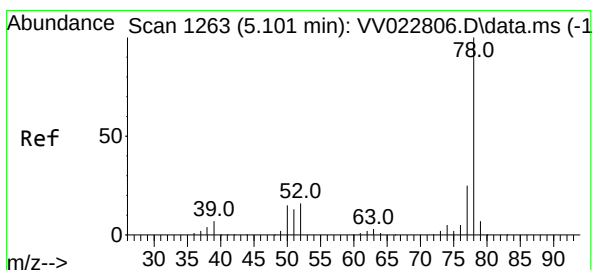
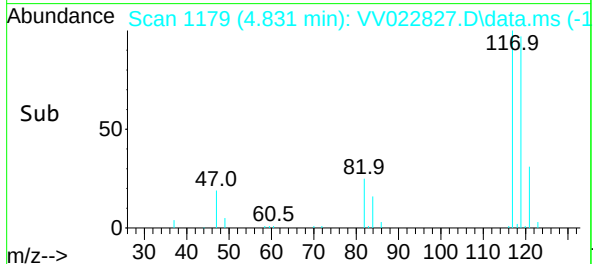
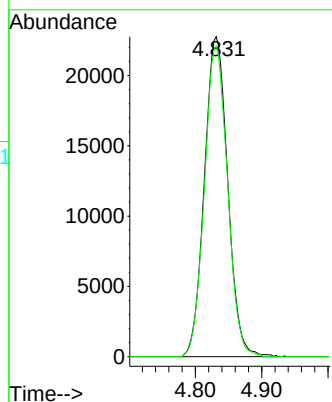
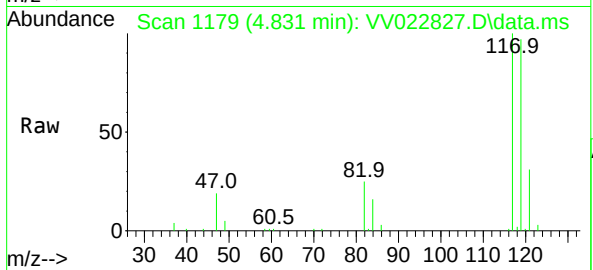




#31  
Carbon tetrachloride  
Concen: 5.579 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. 0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

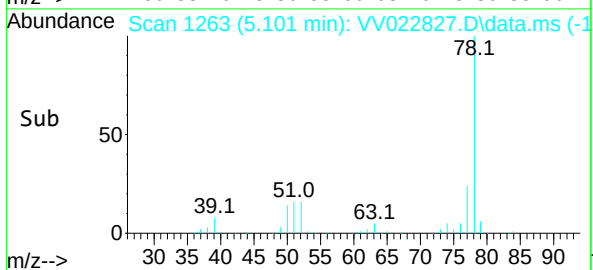
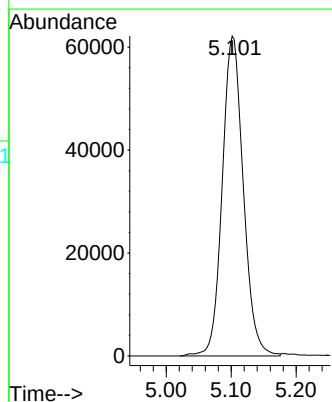
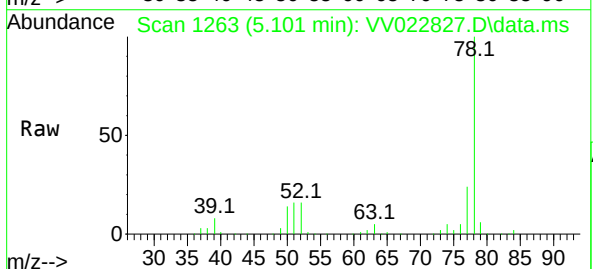
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

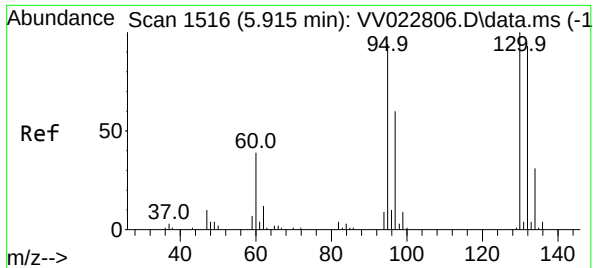
Tgt Ion:117 Resp: 55643  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.4 116.0



#33  
Benzene  
Concen: 5.153 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 78 Resp: 139631



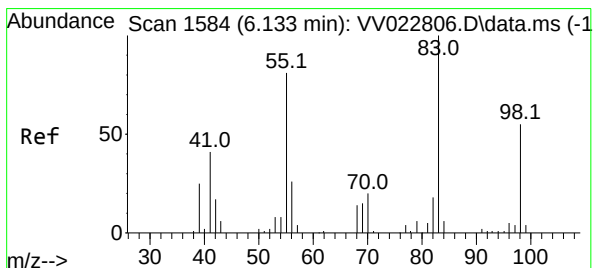
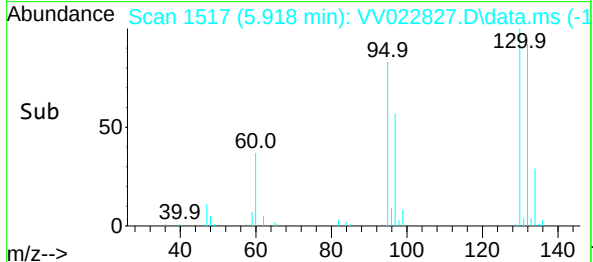
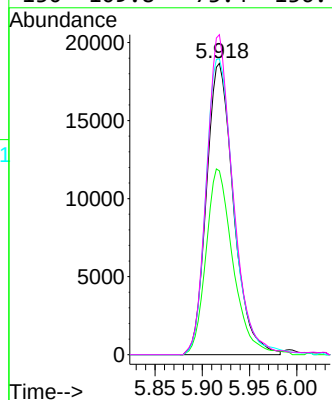
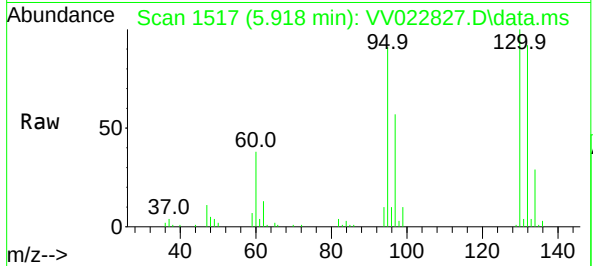


#34  
Trichloroethene  
Concen: 5.048 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

Tgt Ion: 95 Resp: 37196

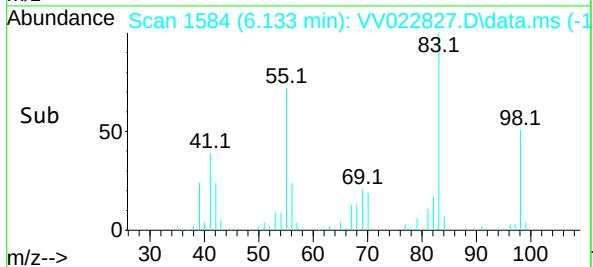
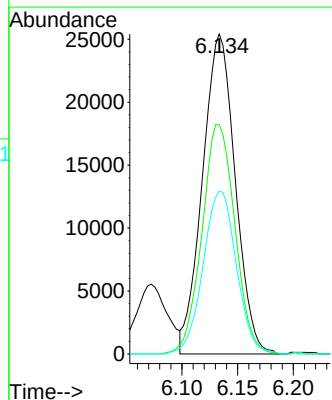
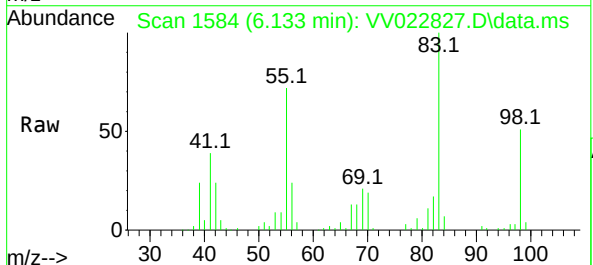
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.1  | 45.8  | 85.2  |
| 132 | 101.5 | 72.2  | 134.0 |
| 130 | 109.8 | 73.4  | 136.4 |



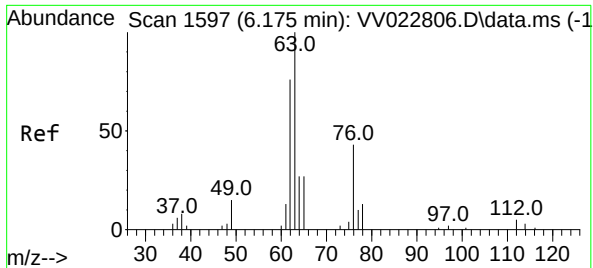
#35  
Methylcyclohexane  
Concen: 5.033 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 83 Resp: 51958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 72.1  | 63.8  | 95.6  |
| 98  | 51.8  | 42.1  | 63.1  |



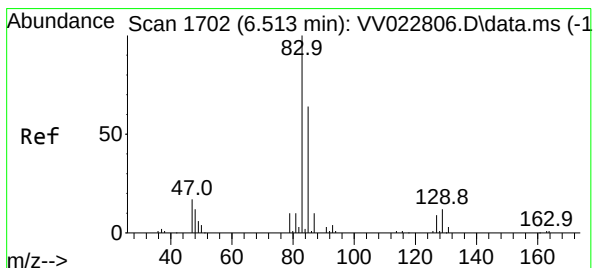
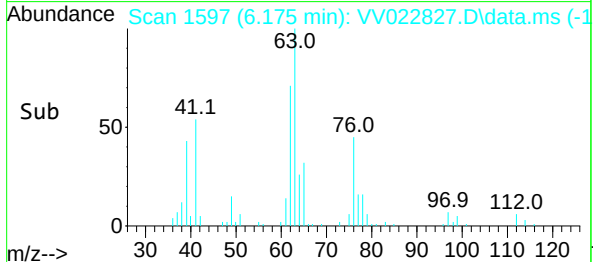
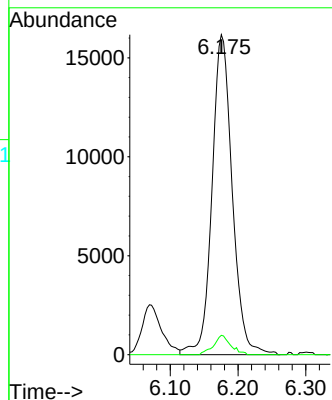
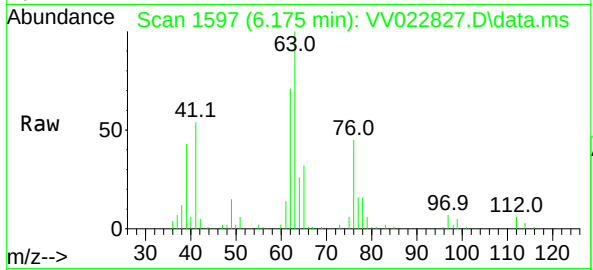




#37  
1,2-Dichloropropane  
Concen: 5.146 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

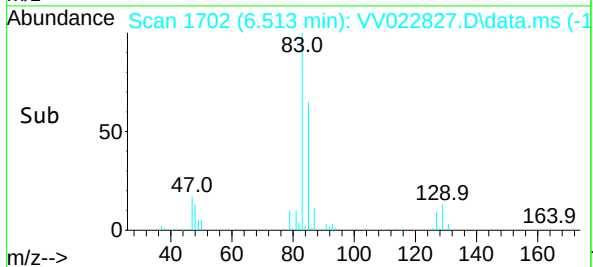
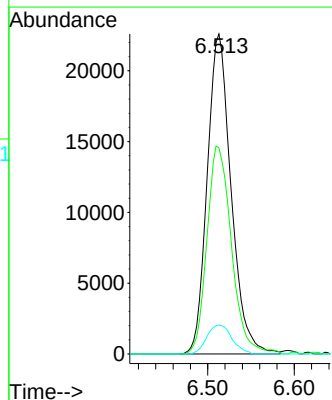
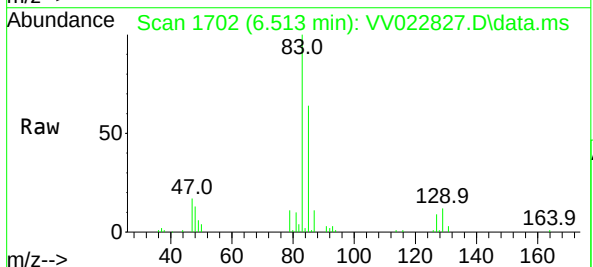
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

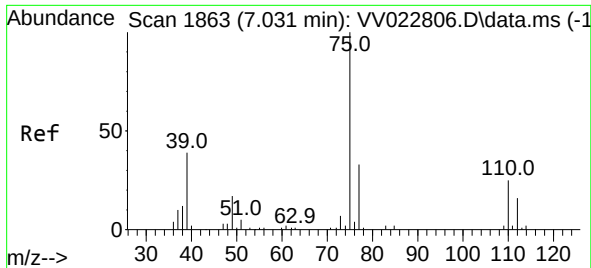
Tgt Ion: 63 Resp: 33541  
Ion Ratio Lower Upper  
63 100  
112 5.1 4.4 6.6



#38  
Bromodichloromethane  
Concen: 5.389 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 83 Resp: 43280  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.3 82.3  
127 9.0 7.7 11.5

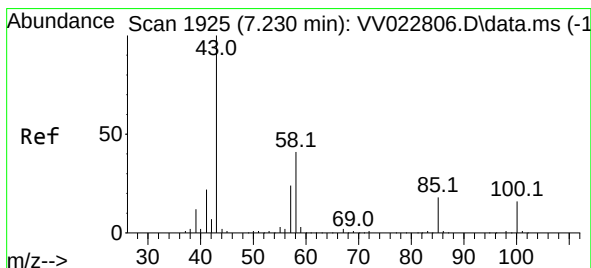
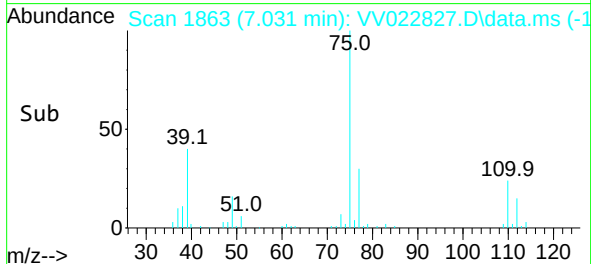
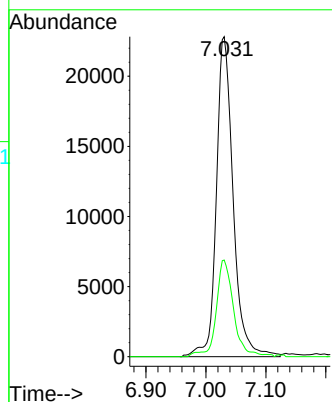
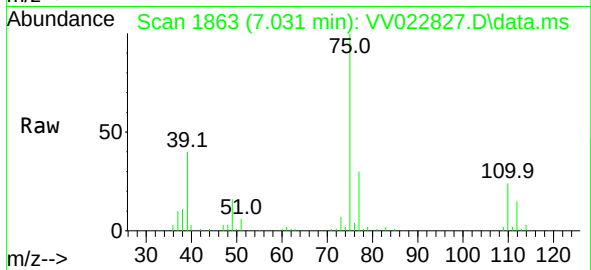




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.133 ug/L  
 RT: 7.031 min Scan# 1863  
 Delta R.T. 0.000 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

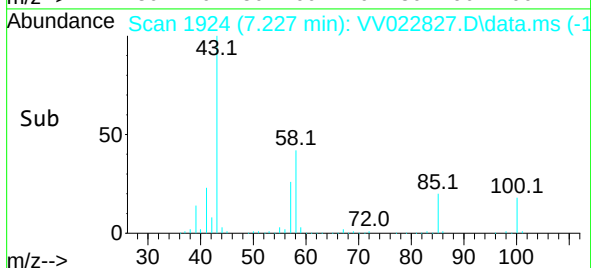
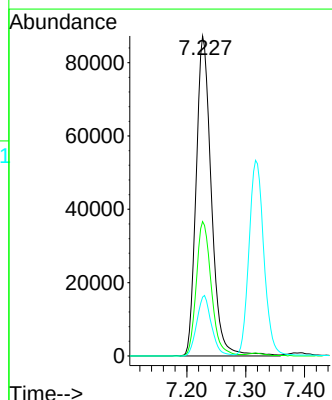
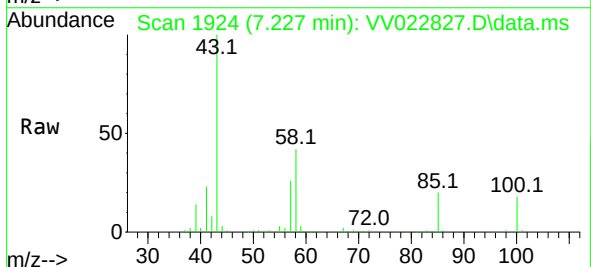
Instrument :  
 MSVOA\_V  
 ClientSampled :  
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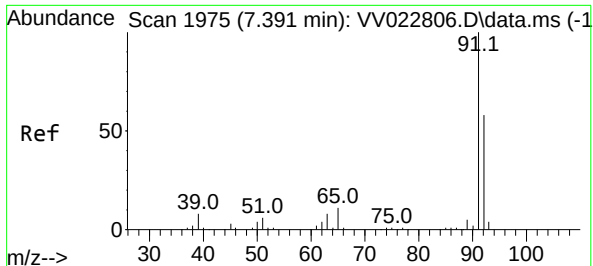
Tgt Ion: 75 Resp: 44285  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 44.785 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. -0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

Tgt Ion: 43 Resp: 156831  
 Ion Ratio Lower Upper  
 43 100  
 58 41.3 32.0 48.0  
 100 18.2 14.2 21.2

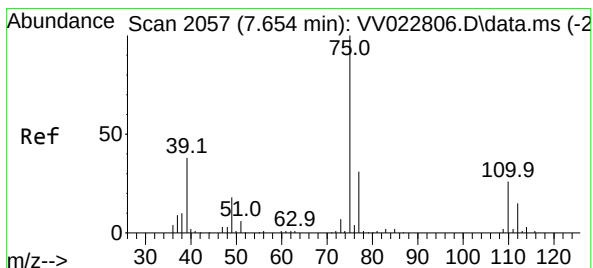
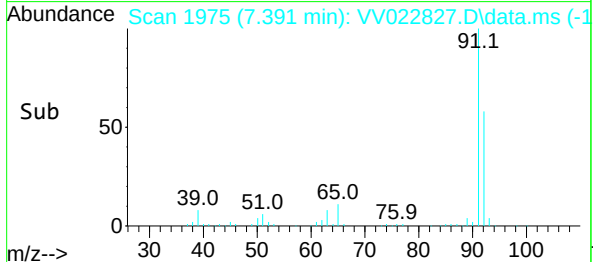
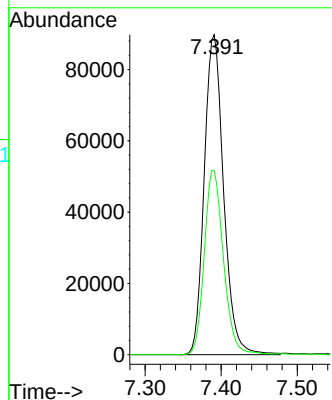
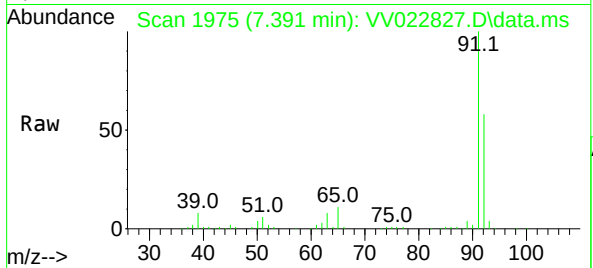




#42  
Toluene  
Concen: 5.778 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

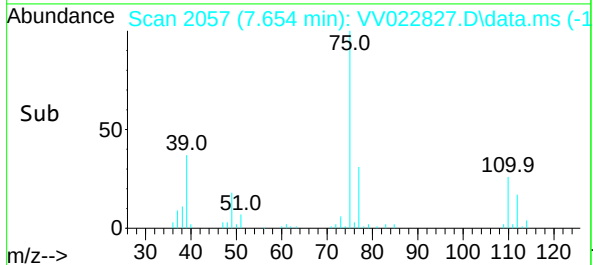
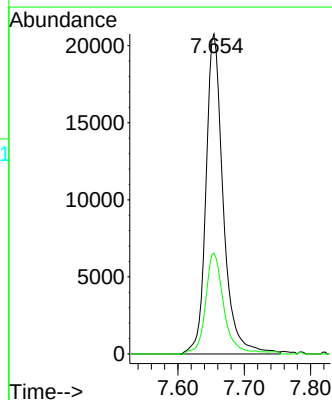
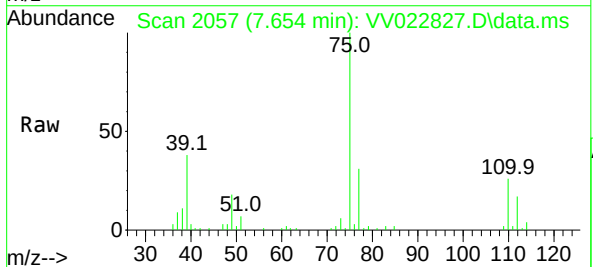
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MSVOA\_V  
ClientSampleId :  
VSTD005311

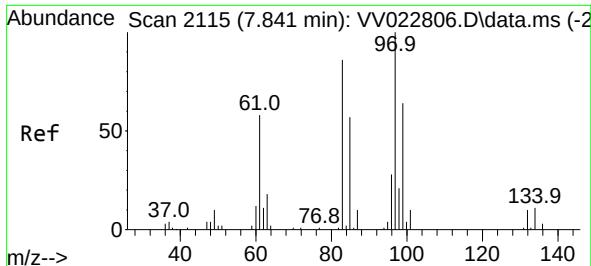
Tgt Ion: 91 Resp: 158949  
Ion Ratio Lower Upper  
91 100  
92 57.6 40.7 75.7



#44  
trans-1,3-Dichloropropene  
Concen: 5.353 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 75 Resp: 37647  
Ion Ratio Lower Upper  
75 100  
77 31.5 23.9 44.5

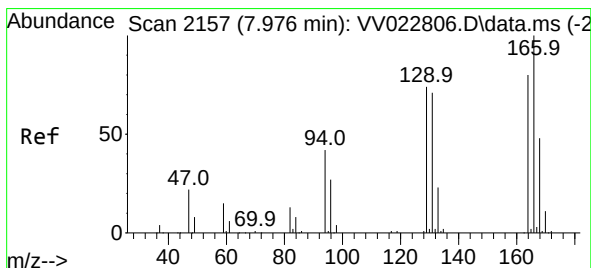
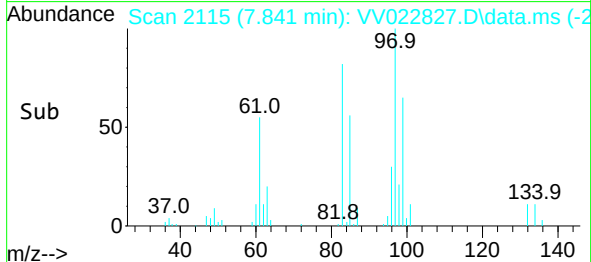
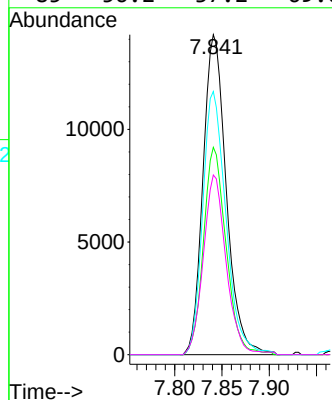
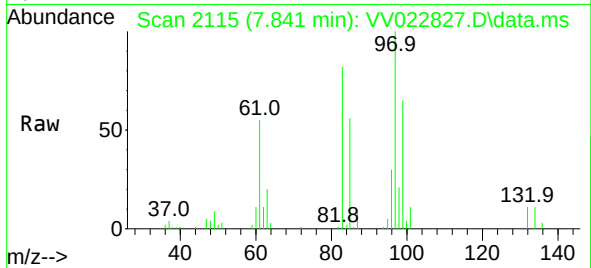




#45  
1,1,2-Trichloroethane  
Concen: 5.042 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

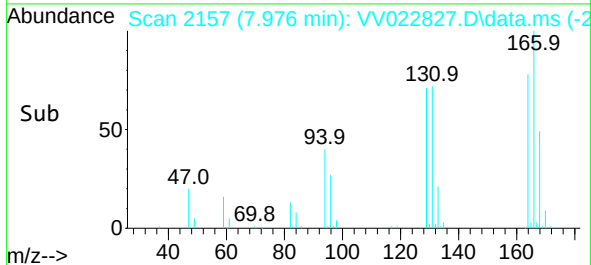
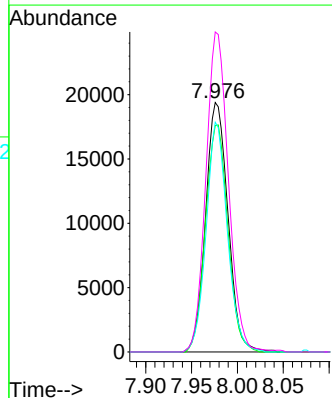
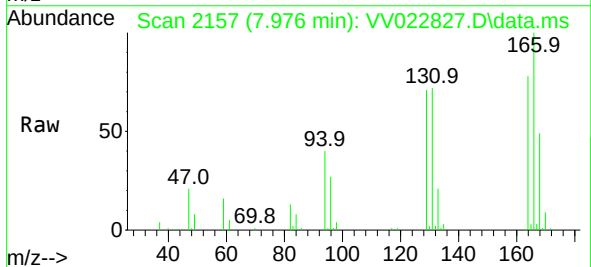
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

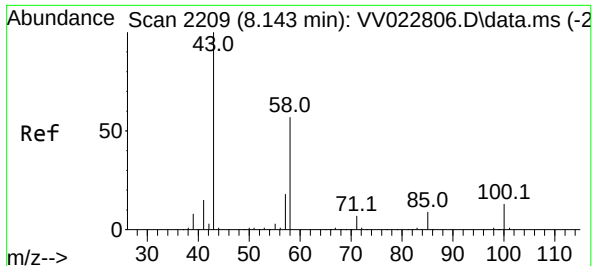
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 24385 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.8  | 44.5  | 82.7  |
| 83       | 82.2  | 56.6  | 105.0 |
| 85       | 56.2  | 37.2  | 69.0  |



#47  
Tetrachloroethene  
Concen: 5.523 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 32916 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.8  | 65.0  | 120.6 |
| 131      | 92.1  | 62.2  | 115.4 |
| 166      | 128.3 | 89.2  | 165.8 |

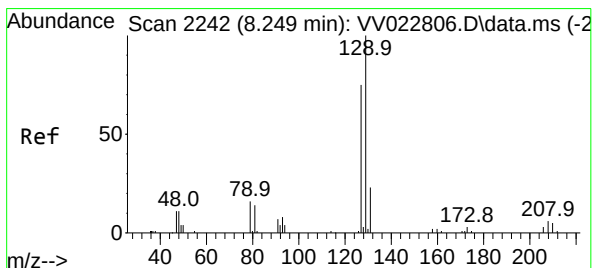
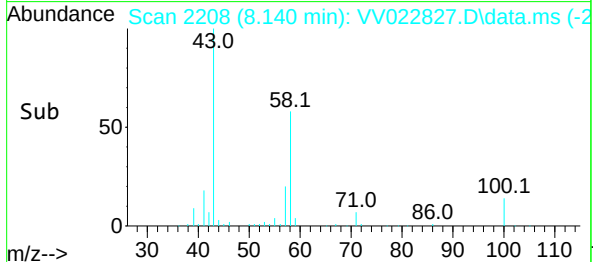
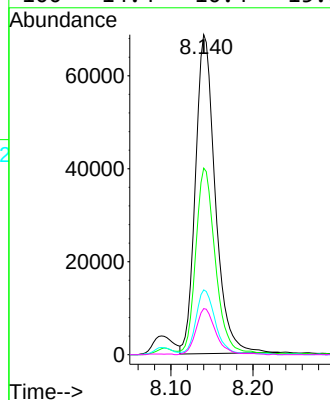
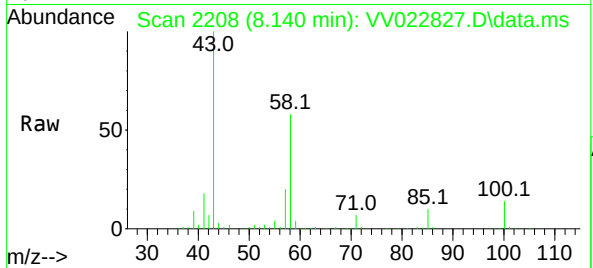




#48  
2-Hexanone  
Concen: 44.930 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

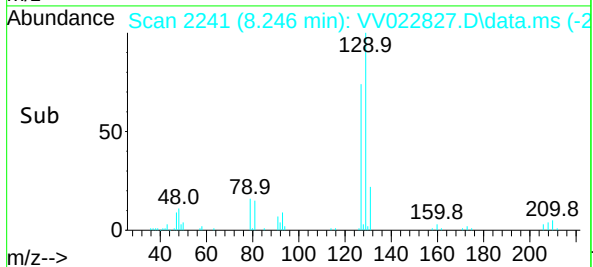
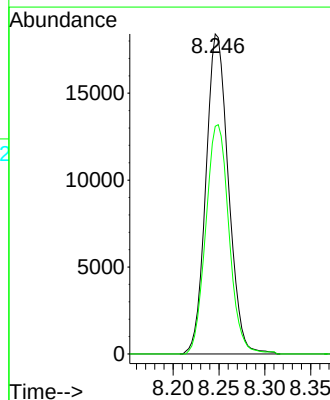
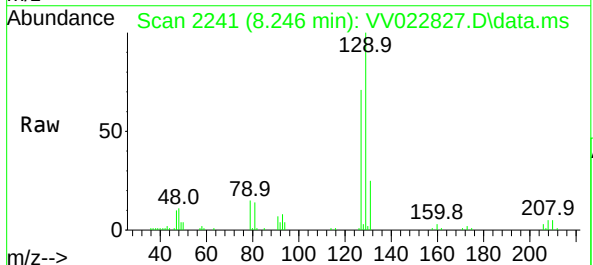
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

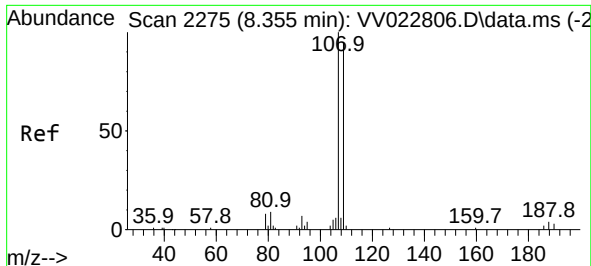
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 115041 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 57.8  | 47.4  | 71.0   |
| 57       | 19.1  | 15.3  | 22.9   |
| 100      | 14.4  | 10.4  | 15.6   |



#49  
Dibromochloromethane  
Concen: 5.551 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 31427 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 71.1  | 59.1  | 109.9 |

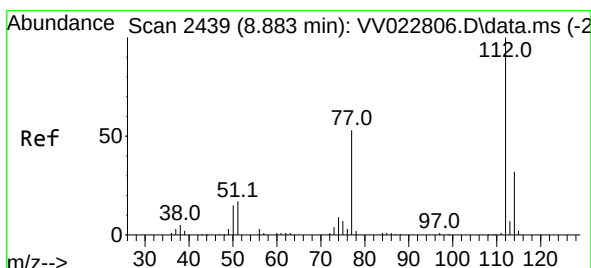
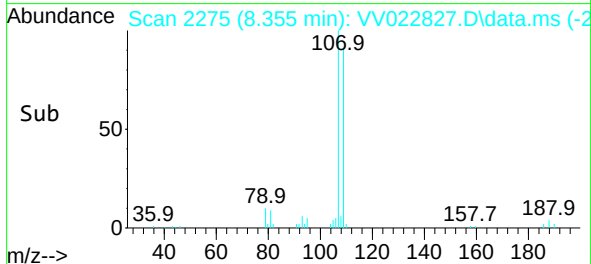
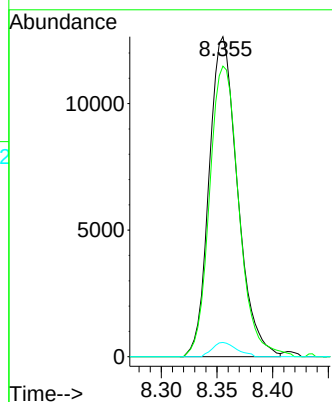
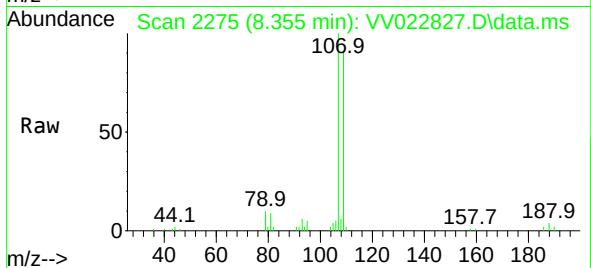




#50  
1,2-Dibromoethane  
Concen: 4.989 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

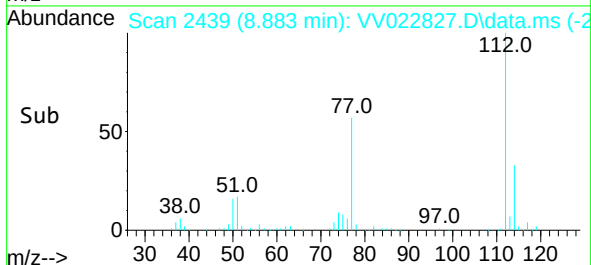
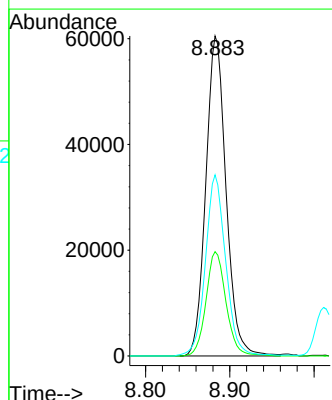
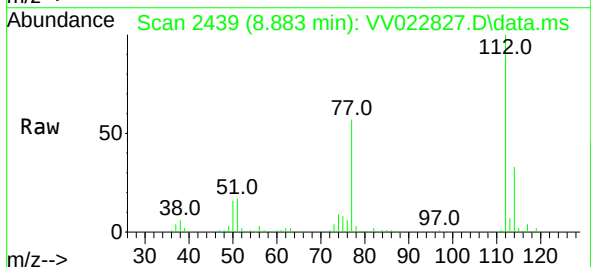
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MSVOA\_V  
ClientSampleId :  
VSTD005311

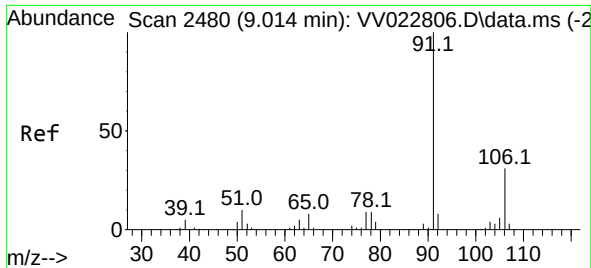
Tgt Ion:107 Resp: 22528  
Ion Ratio Lower Upper  
107 100  
109 90.8 67.1 124.5  
188 4.5 3.4 5.0



#51  
Chlorobenzene  
Concen: 5.599 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:112 Resp: 101216  
Ion Ratio Lower Upper  
112 100  
114 32.6 21.6 40.2  
77 56.6 43.7 65.5

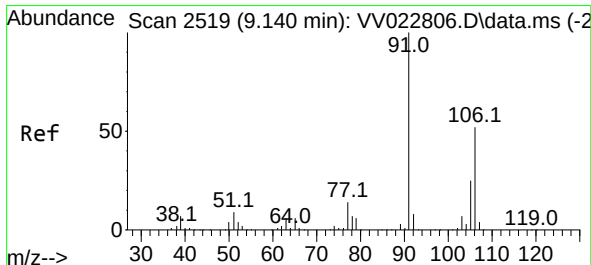
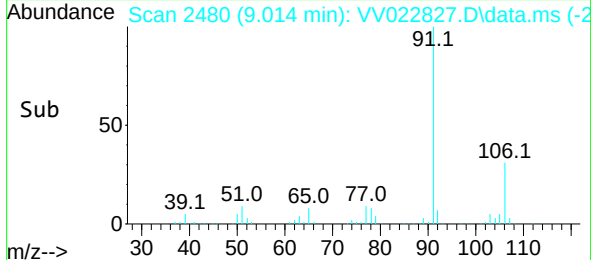
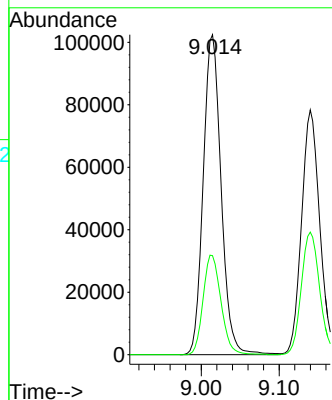
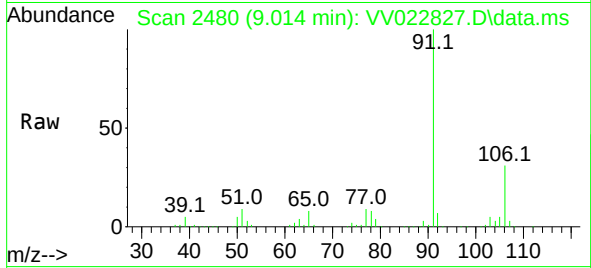




#52  
Ethylbenzene  
Concen: 5.853 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

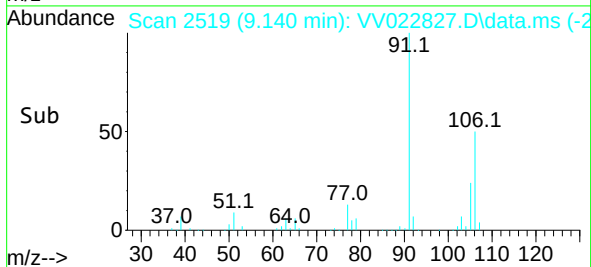
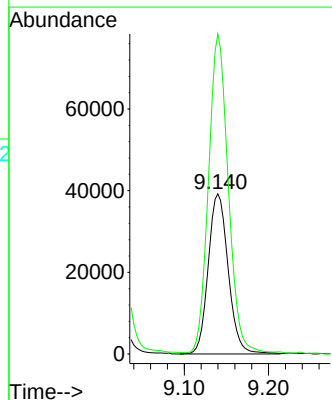
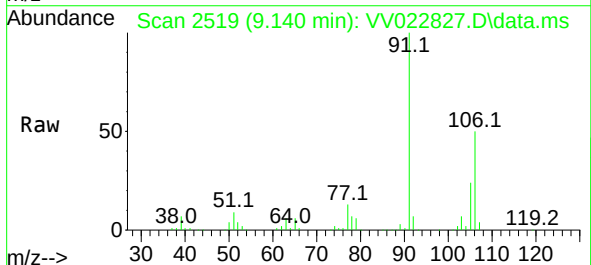
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MSVOA\_V  
ClientSampleId :  
VSTD005311

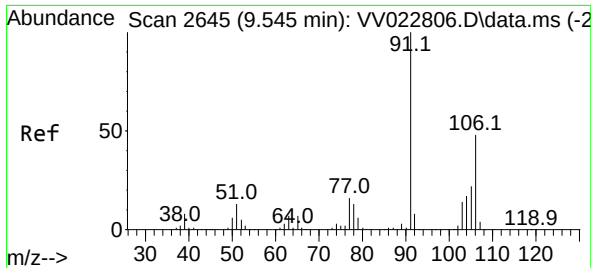
Tgt Ion: 91 Resp: 163476  
Ion Ratio Lower Upper  
91 100  
106 31.0 21.6 40.2



#53  
m,p-xylene  
Concen: 5.906 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 106 Resp: 64734  
Ion Ratio Lower Upper  
106 100  
91 199.8 138.7 257.5

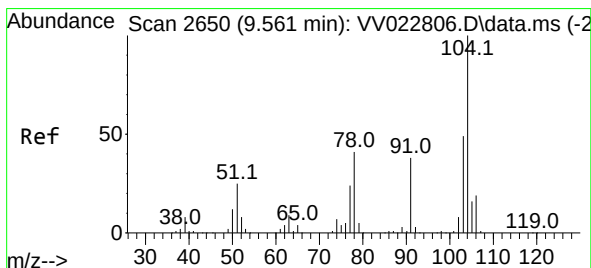
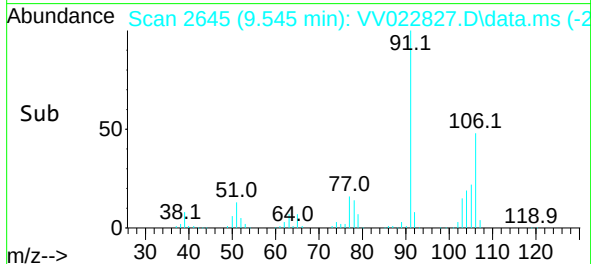
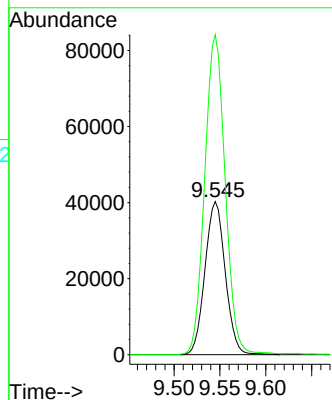
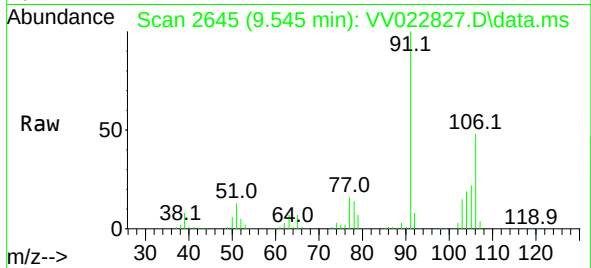




#54  
o-xylene  
Concen: 6.007 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

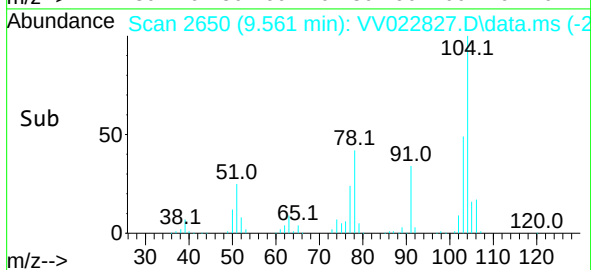
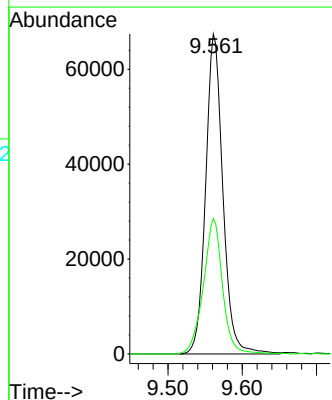
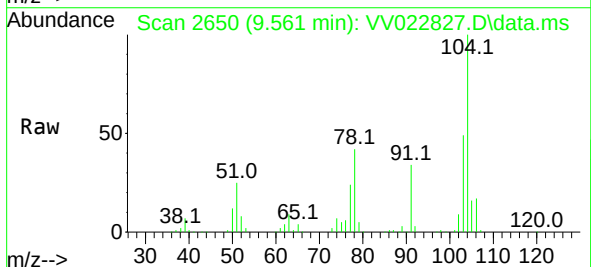
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

Tgt Ion:106 Resp: 61942  
Ion Ratio Lower Upper  
106 100  
91 209.1 151.1 280.7

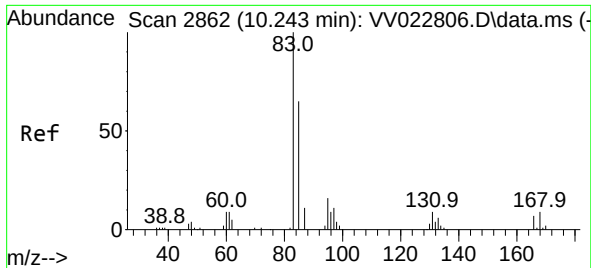


#55  
Styrene  
Concen: 6.106 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:104 Resp: 108496  
Ion Ratio Lower Upper  
104 100  
78 42.3 29.5 54.7



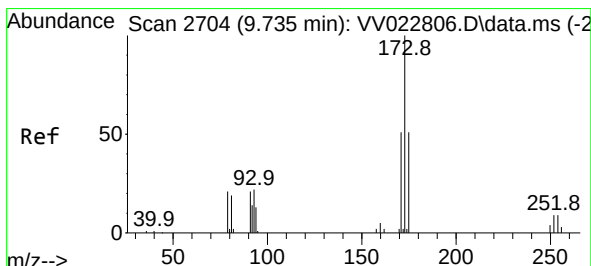
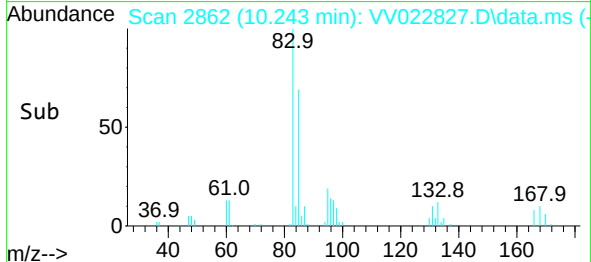
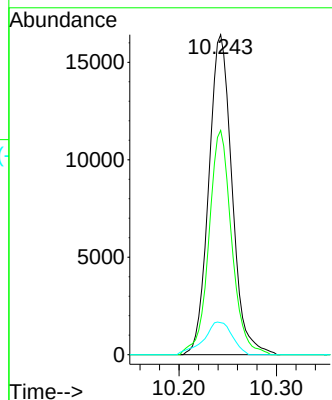
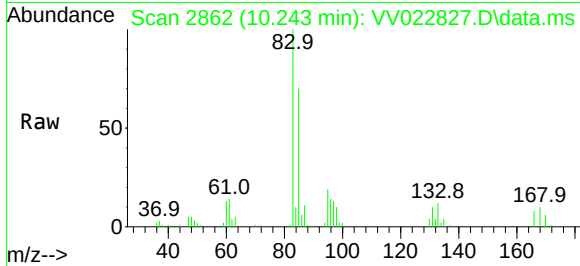




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.559 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

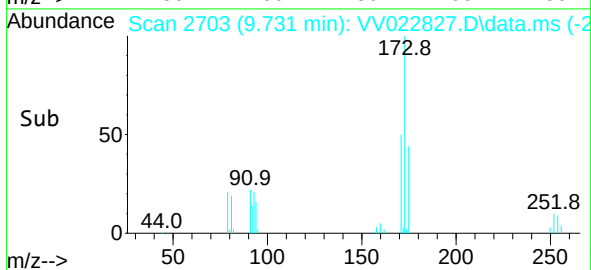
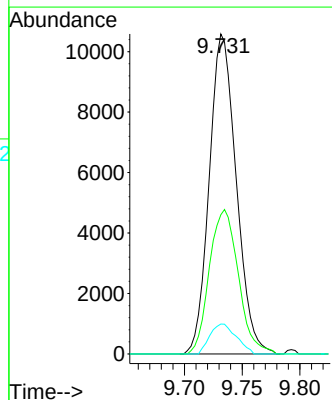
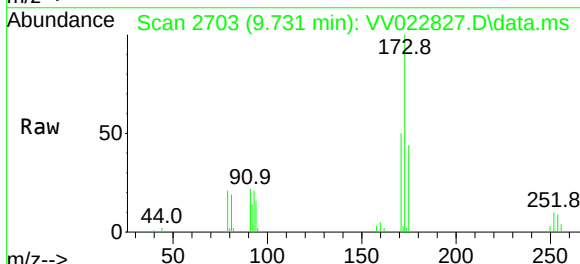
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

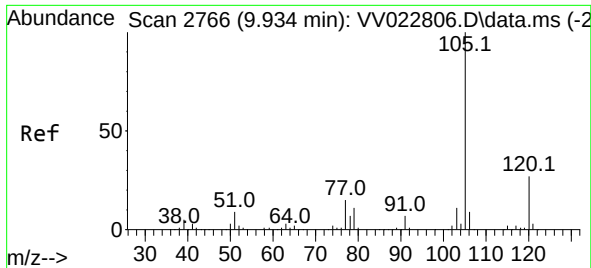
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 27199 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 70.1  | 46.0  | 85.4  |
| 131      | 10.0  | 8.4   | 12.6  |



#59  
Bromoform  
Concen: 5.119 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 17225 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.5  | 38.3  | 57.5  |
| 254      | 9.1   | 7.1   | 10.7  |

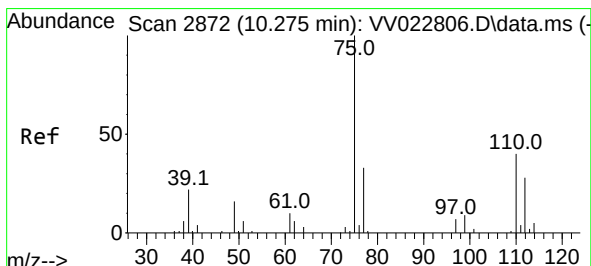
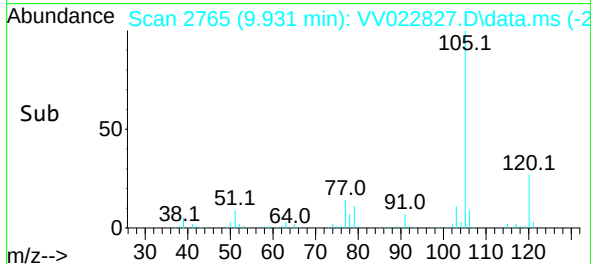
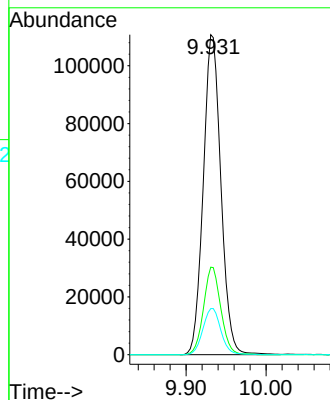
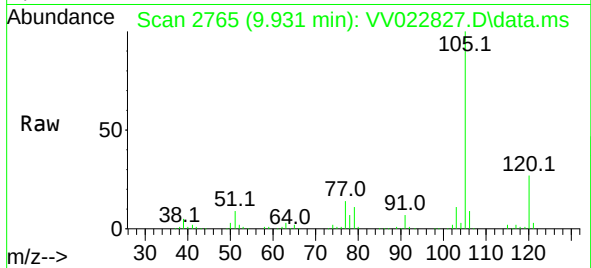




#60  
Isopropylbenzene  
Concen: 5.569 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.003 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

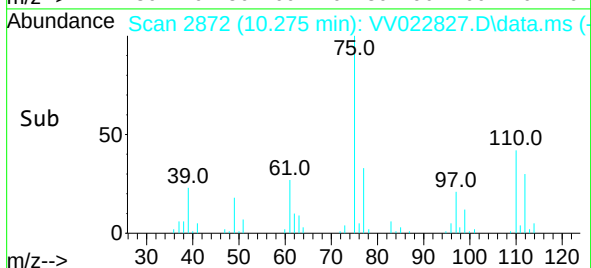
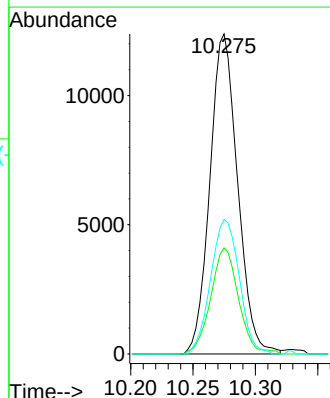
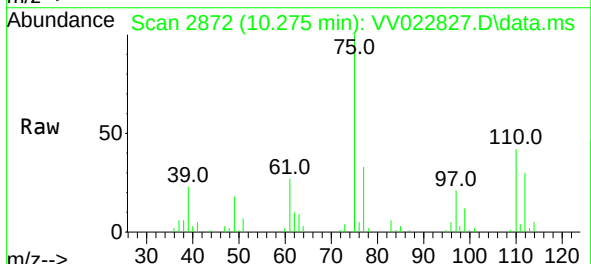
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

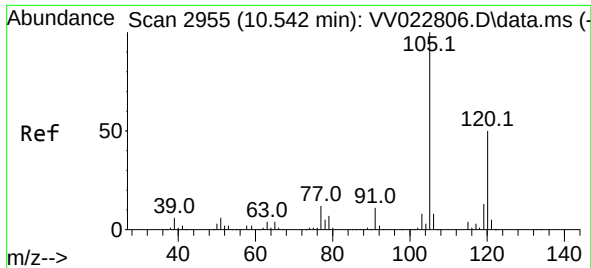
Tgt Ion:105 Resp: 169919  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.8 32.8  
77 14.7 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 4.594 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion: 75 Resp: 19170  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.4 38.2  
110 43.4 34.2 51.4

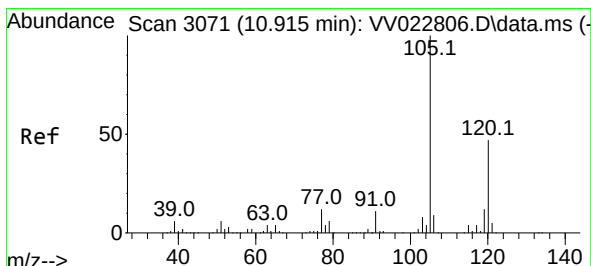
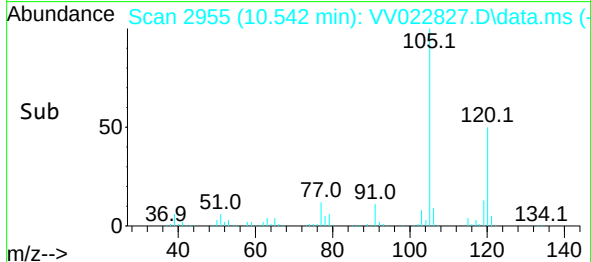
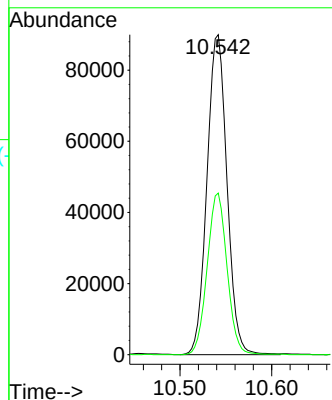
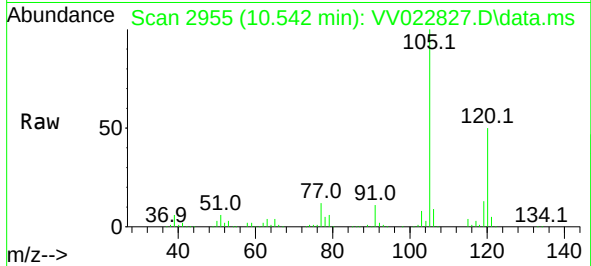




#62  
1,3,5-Trimethylbenzene  
Concen: 5.539 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

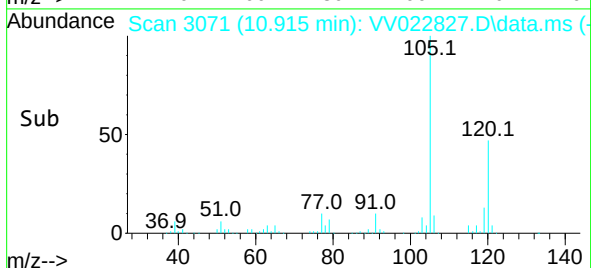
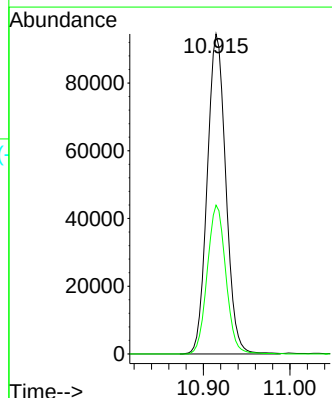
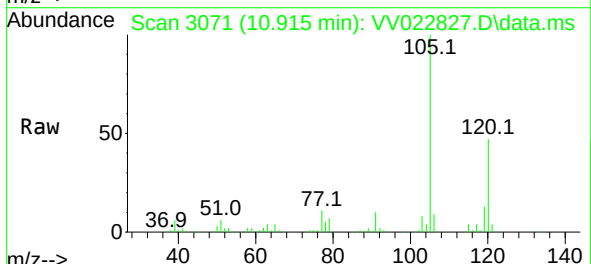
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

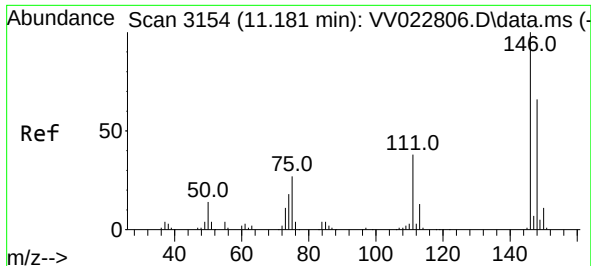
Tgt Ion:105 Resp: 136531  
Ion Ratio Lower Upper  
105 100  
120 50.1 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 5.709 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:105 Resp: 140835  
Ion Ratio Lower Upper  
105 100  
120 46.5 37.3 55.9

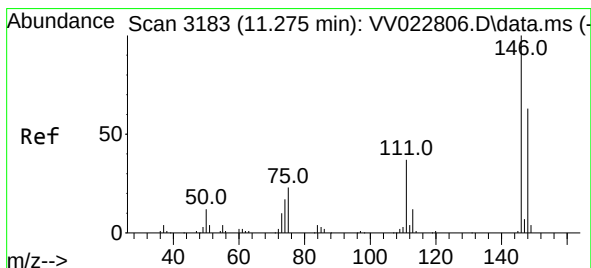
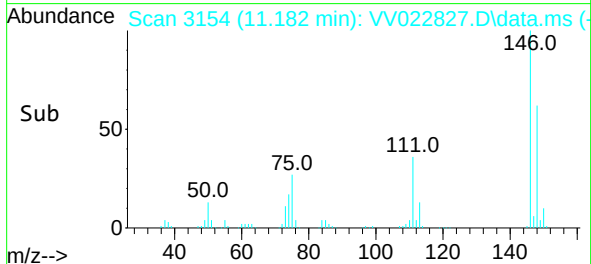
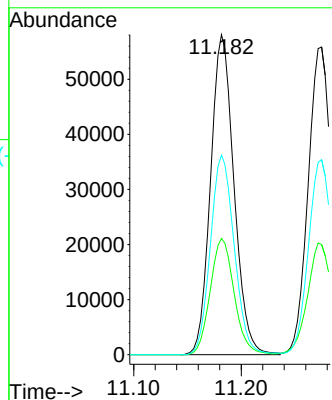
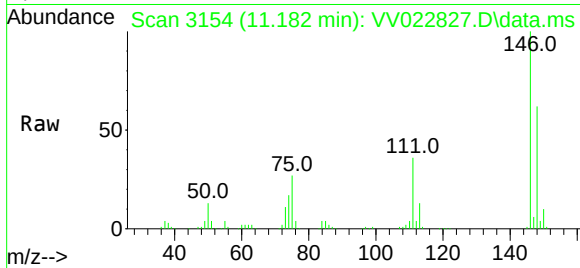




#64  
1,3-Dichlorobenzene  
Concen: 5.484 ug/L  
RT: 11.182 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

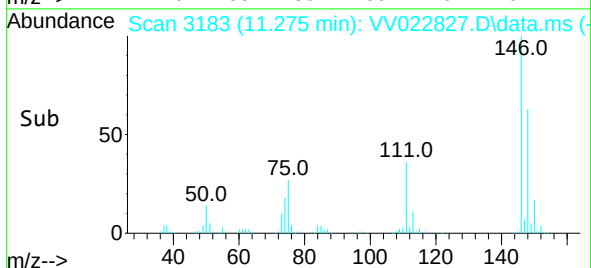
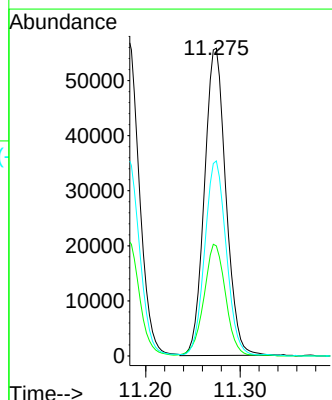
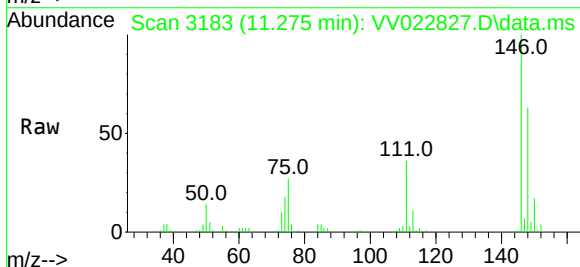
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

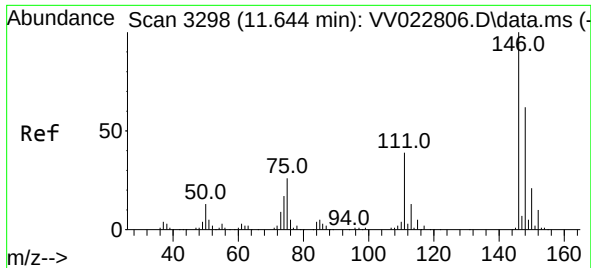
Tgt Ion:146 Resp: 87812  
Ion Ratio Lower Upper  
146 100  
111 36.3 26.7 49.5  
148 62.4 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 5.411 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:146 Resp: 87985  
Ion Ratio Lower Upper  
146 100  
111 35.8 25.6 47.4  
148 63.4 44.9 83.5

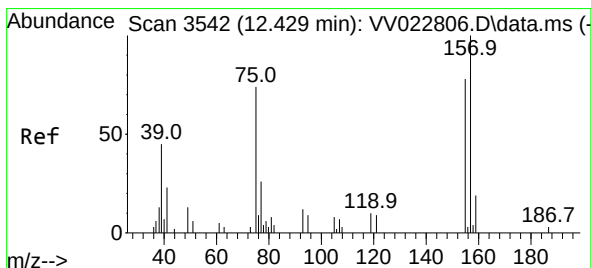
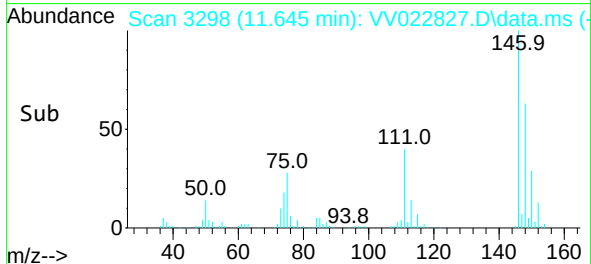
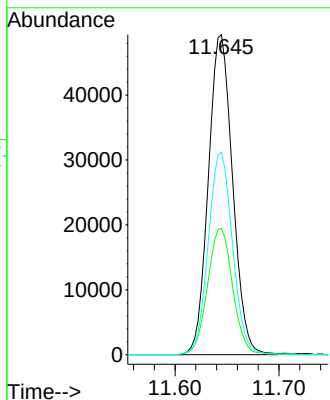
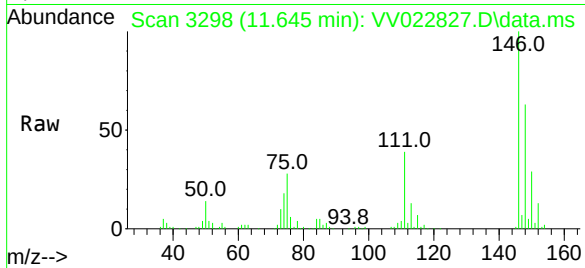




#67  
1,2-Dichlorobenzene  
Concen: 5.325 ug/L  
RT: 11.645 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

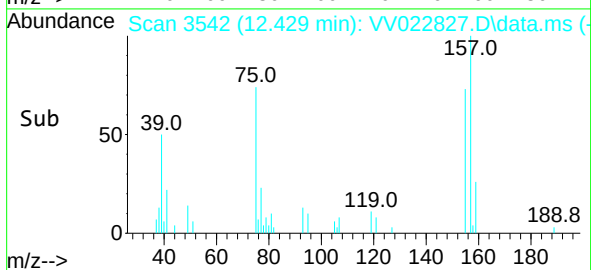
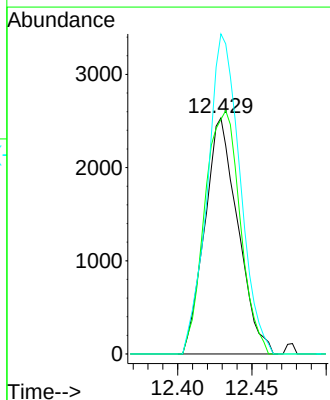
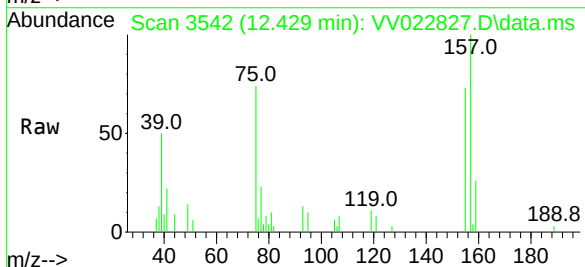
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

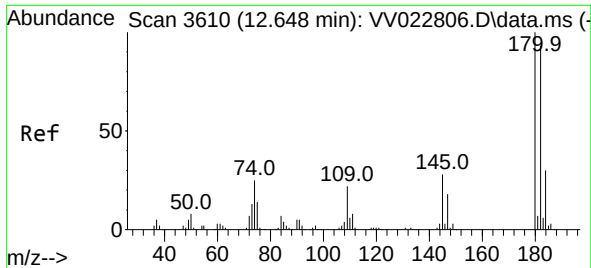
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 79991 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.4  | 32.3  | 48.5  |
| 148       | 63.3  | 52.1  | 78.1  |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.165 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 3923  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 99.4  | 82.4  | 123.6 |
| 157       | 135.6 | 114.1 | 171.1 |

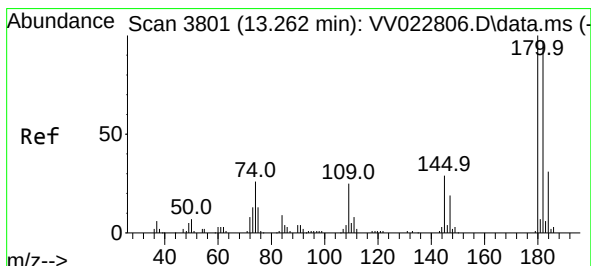
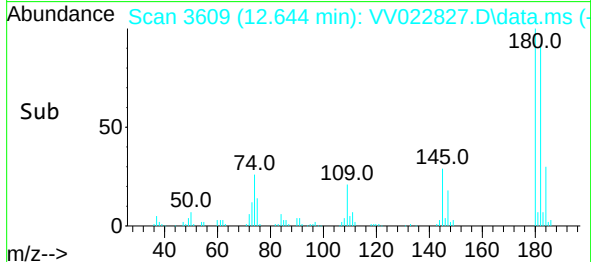
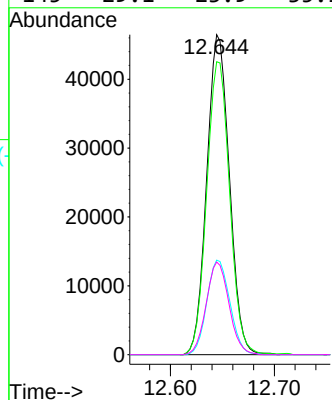
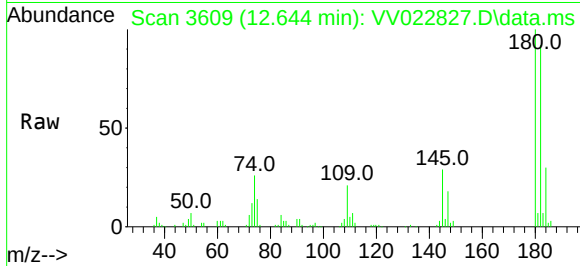




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.838 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. -0.003 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

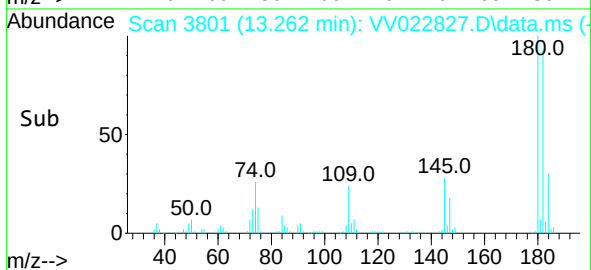
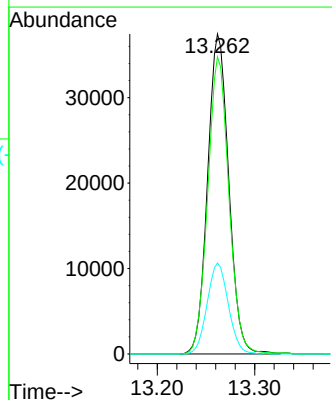
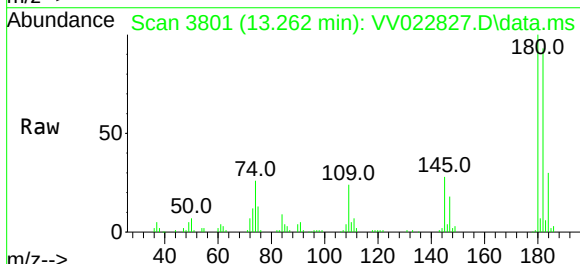
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005311

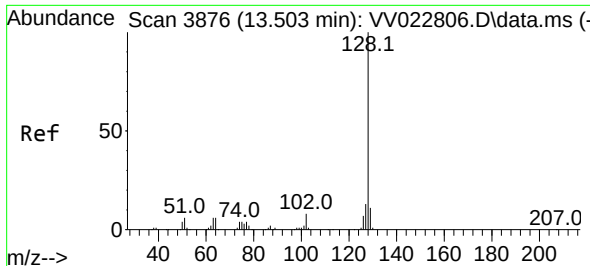
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 70417 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.8  | 77.0  | 115.6 |
| 184       | 30.0  | 24.5  | 36.7  |
| 145       | 29.1  | 23.9  | 35.9  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 6.125 ug/L  
 RT: 13.262 min Scan# 3801  
 Delta R.T. 0.000 min  
 Lab File: VV022827.D  
 Acq: 15 Oct 2021 05:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 56439 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.0  | 76.0  | 114.0 |
| 145       | 28.4  | 24.1  | 36.1  |

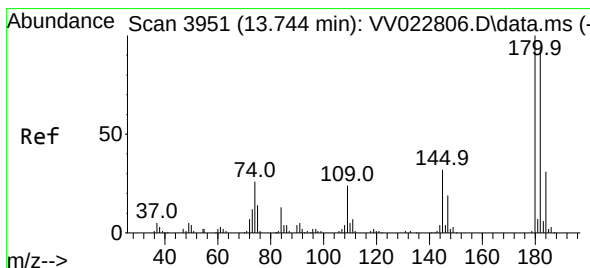
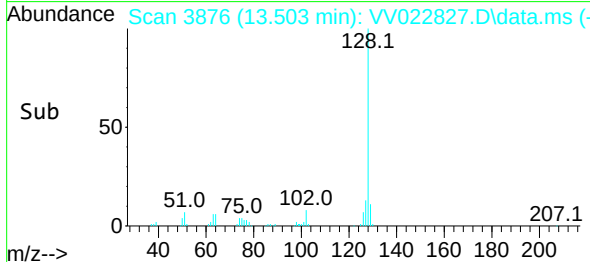
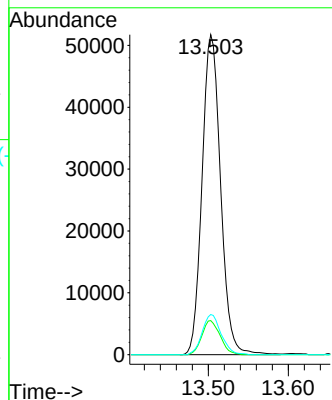
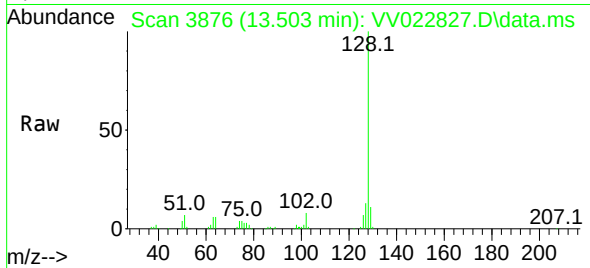




#71  
Naphthalene  
Concen: 5.697 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005311

Tgt Ion:128 Resp: 83443  
Ion Ratio Lower Upper  
128 100  
129 10.5 9.3 13.9  
127 12.9 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 6.089 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.000 min  
Lab File: VV022827.D  
Acq: 15 Oct 2021 05:27

Tgt Ion:180 Resp: 52908  
Ion Ratio Lower Upper  
180 100  
182 95.5 75.5 113.3  
145 30.2 24.7 37.1

