

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
 Data File : VV022801.D  
 Acq On : 14 Oct 2021 18:40  
 Operator : SY/MD  
 Sample : M4214-08MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS

Quant Time: Oct 15 02:01:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 15 01:58:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 120488   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 123108   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 68308    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 28814    | 3.476    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 69.600%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 31501    | 4.229    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 56706    | 3.487    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.800%  |
| 20) 2-Butanone-d5             | 3.912  | 46    | 90137    | 41.469   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 82.940%  |
| 24) Chloroform-d              | 4.352  | 84    | 82914    | 4.854    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 38181    | 4.605    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 150160   | 4.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 47778    | 4.402    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.000%  |
| 41) Toluene-d8                | 7.316  | 98    | 139215   | 4.394    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.800%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 15681    | 4.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.200%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 90163    | 62.142   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 124.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 41840    | 5.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 113.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 58773    | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 44440    | 5.061    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 49428    | 5.600    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.307  | 62    | 49274    | 5.404    | ug/L   | 99       |
| 6) Bromomethane               | 1.519  | 94    | 31452    | 5.533    | ug/L   | 96       |
| 8) Chloroethane               | 1.584  | 64    | 29063    | 5.151    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 61268    | 4.587    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 36729    | 4.727    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 34925    | 4.799    | ug/L   | 79       |
| 13) Acetone                   | 2.445  | 43    | 12741    | 10.512   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.291  | 76    | 114814   | 5.613    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.445  | 43    | 14709    | 4.241    | ug/L   | 97       |
| 16) Methylene chloride        | 2.506  | 84    | 44618    | 4.454    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 84318    | 4.788    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96    | 42111    | 5.320    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 77297    | 5.422    | ug/L   | 97       |
| 21) 2-Butanone                | 3.995  | 43    | 80219    | 40.422   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 43874    | 5.279    | ug/L   | 88       |
| 23) Bromochloromethane        | 4.256  | 128   | 20849    | 5.647    | ug/L   | 97       |
| 25) Chloroform                | 4.378  | 83    | 78805    | 4.769    | ug/L   | 98       |

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 Sample : M4214-08MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

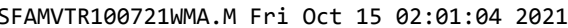
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS

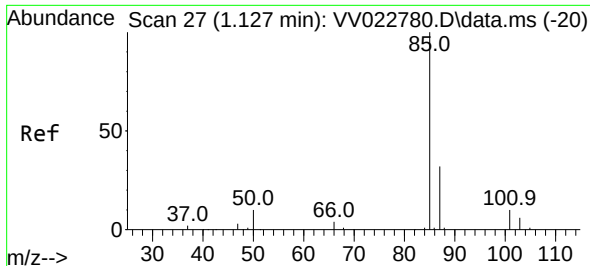
Quant Time: Oct 15 02:01:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 15 01:58:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 43072    | 5.222  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 69734    | 4.960  | ug/L  | 100      |
| 30) Cyclohexane               | 4.680  | 56   | 58736    | 4.528  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 62142    | 5.093  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 170346   | 5.138  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 42447    | 4.708  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 61262    | 4.850  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 40811    | 5.118  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 52253    | 5.318  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 54434    | 5.157  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 232964   | 54.371 | ug/L  | 95       |
| 42) Toluene                   | 7.390  | 91   | 185266   | 5.504  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 46008    | 5.346  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 31041    | 5.246  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.976  | 164  | 38055    | 5.219  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 171808   | 54.841 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.249  | 129  | 38722    | 5.590  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 28929    | 5.236  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 117760   | 5.324  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 182198   | 5.332  | ug/L  | 99       |
| 53) m,p-xylene                | 9.140  | 106  | 71501    | 5.331  | ug/L  | 99       |
| 54) o-xylene                  | 9.545  | 106  | 70261    | 5.569  | ug/L  | 92       |
| 55) Styrene                   | 9.561  | 104  | 124448   | 5.724  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 36933    | 6.169  | ug/L  | 100      |
| 59) Bromoform                 | 9.734  | 173  | 21365    | 5.584  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.934  | 105  | 186651   | 5.380  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 25064    | 5.281  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 147058   | 5.246  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 150852   | 5.377  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 97530    | 5.356  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 96994    | 5.246  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 91319    | 5.346  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5172     | 5.987  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 72746    | 5.303  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 57726    | 5.509  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 94544    | 5.676  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 54962    | 5.562  | ug/L  | 99       |

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

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QLast Update : Fri Oct 15 01:58:00 2021  
Response via : Initial Calibration

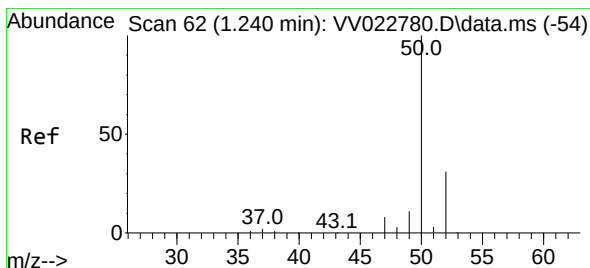
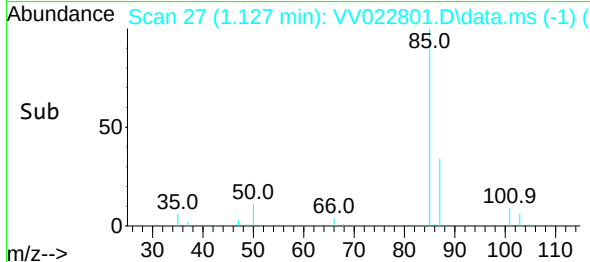
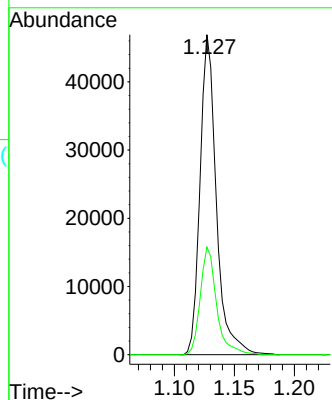
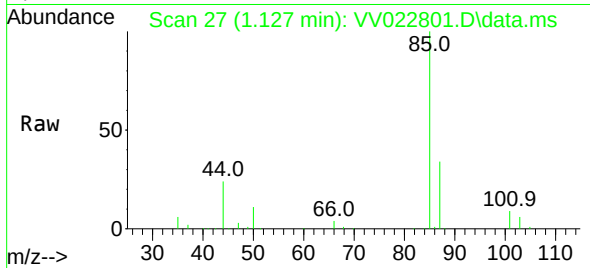




#2  
 Dichlorodifluoromethane  
 Concen: 5.061 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

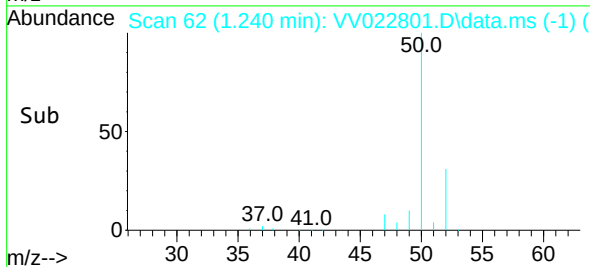
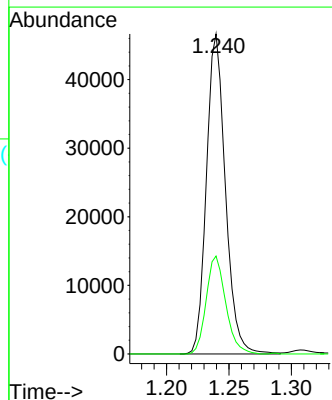
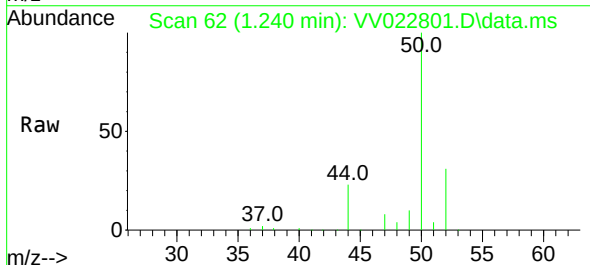
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS

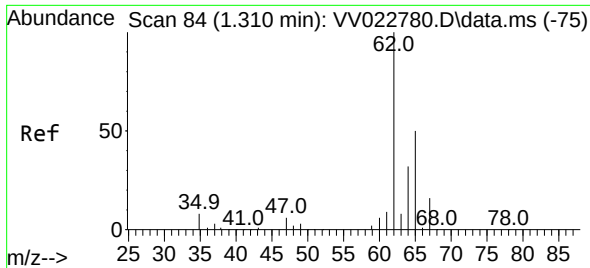
Tgt Ion: 85 Resp: 44440  
 Ion Ratio Lower Upper  
 85 100  
 87 33.7 26.3 39.5



#3  
 Chloromethane  
 Concen: 5.600 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

Tgt Ion: 50 Resp: 49428  
 Ion Ratio Lower Upper  
 50 100  
 52 30.6 22.9 42.5

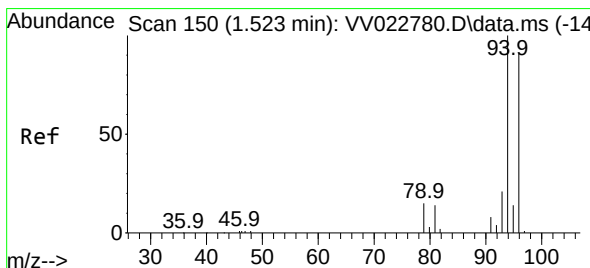
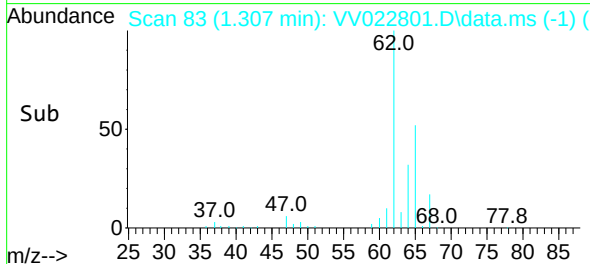
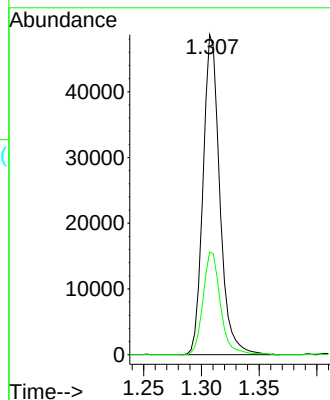
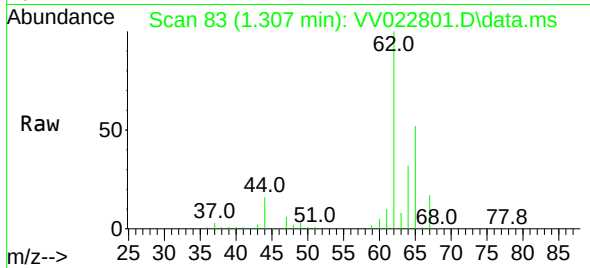




#5  
 Vinyl chloride  
 Concen: 5.404 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.003 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

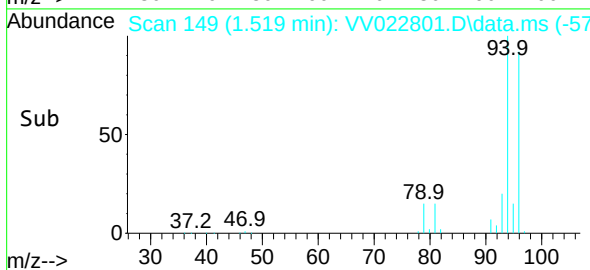
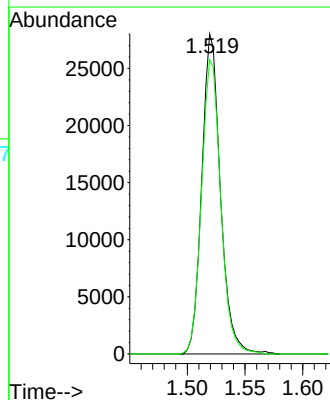
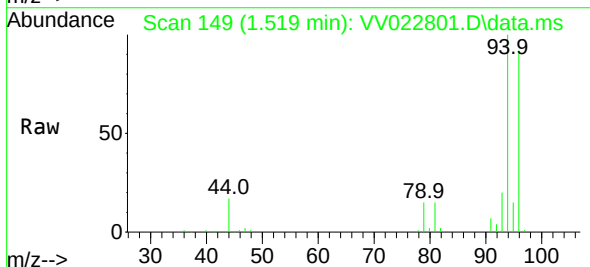
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS

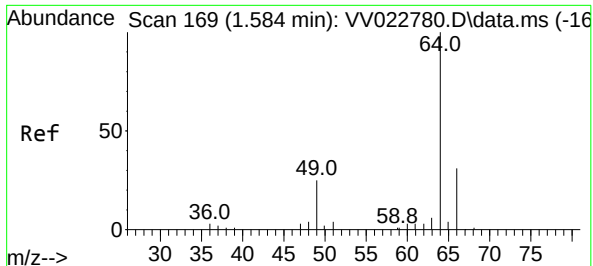
Tgt Ion: 62 Resp: 49274  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 23.0 42.8



#6  
 Bromomethane  
 Concen: 5.533 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.003 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

Tgt Ion: 94 Resp: 31452  
 Ion Ratio Lower Upper  
 94 100  
 96 91.9 67.2 124.8

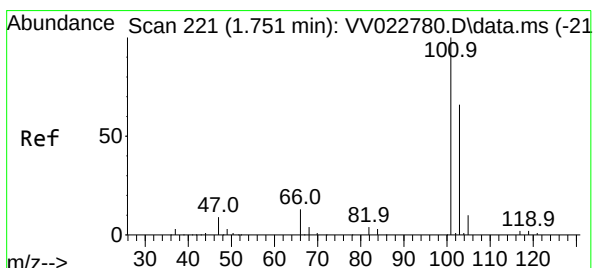
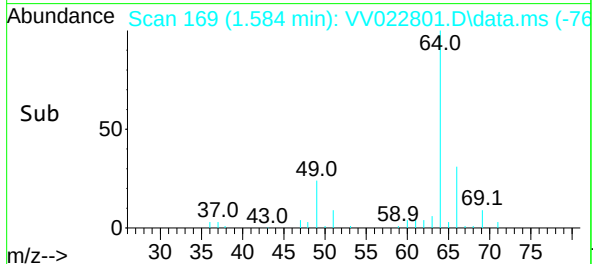
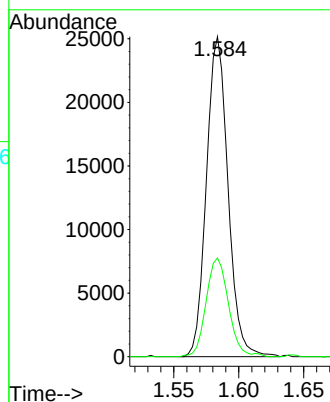
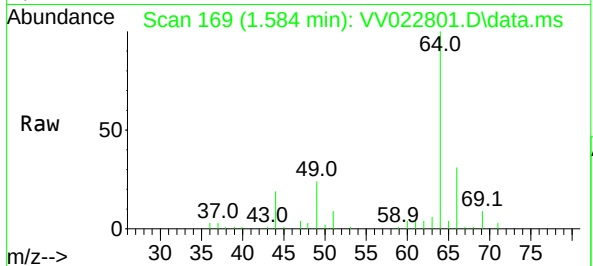




#8  
Chloroethane  
Concen: 5.151 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

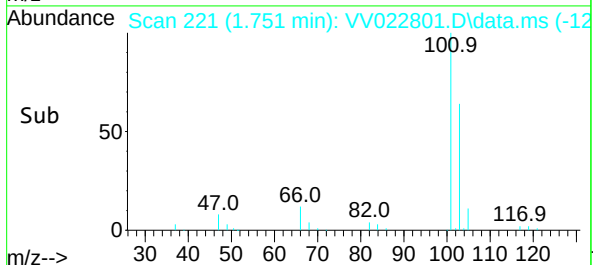
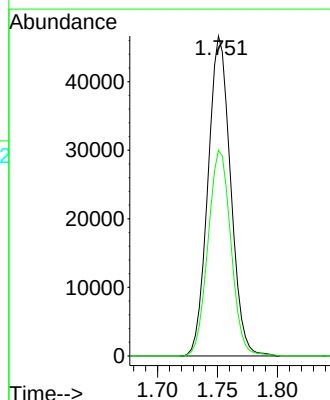
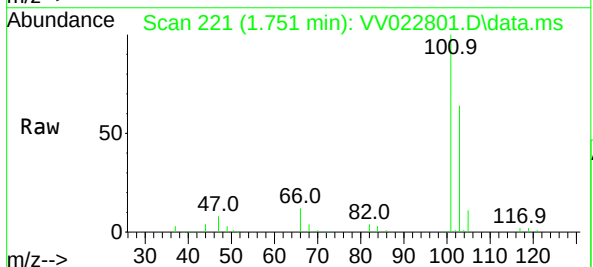
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

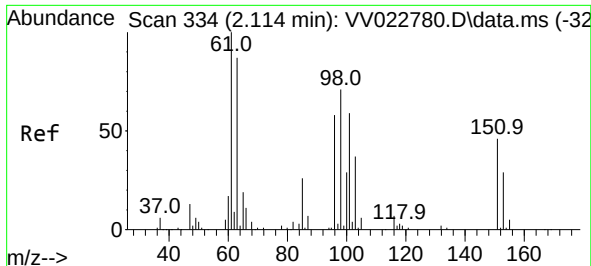
Tgt Ion: 64 Resp: 29063  
Ion Ratio Lower Upper  
64 100  
66 30.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 4.587 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion:101 Resp: 61268  
Ion Ratio Lower Upper  
101 100  
103 64.9 50.3 75.5

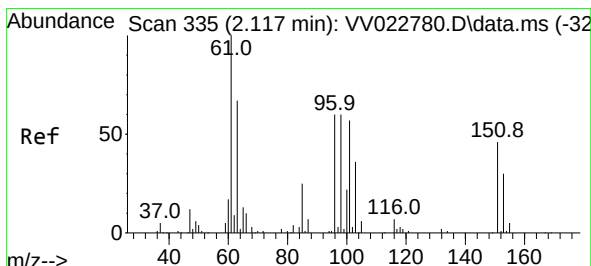
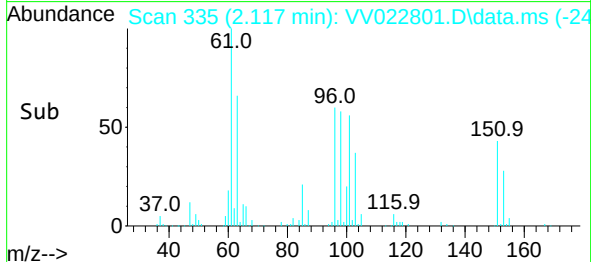
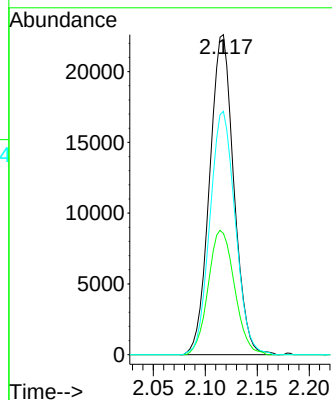
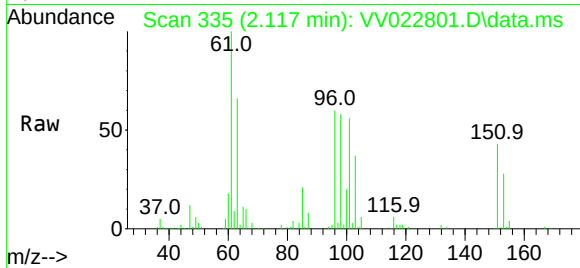




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.727 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

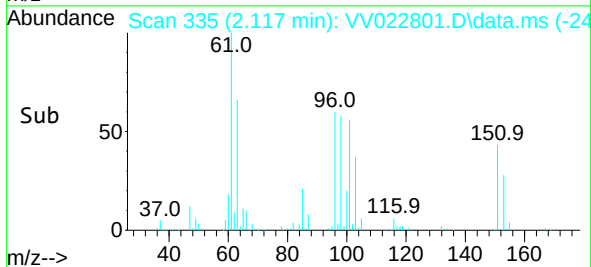
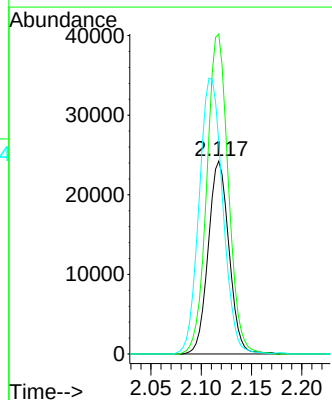
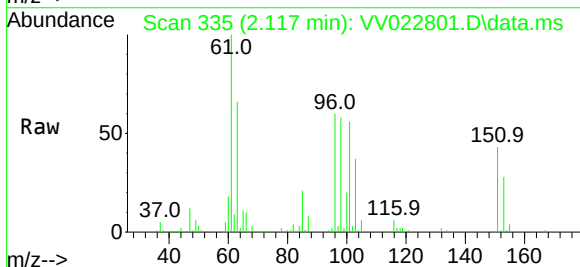
Instrument :  
MSVOA\_V  
ClientSampleId :  
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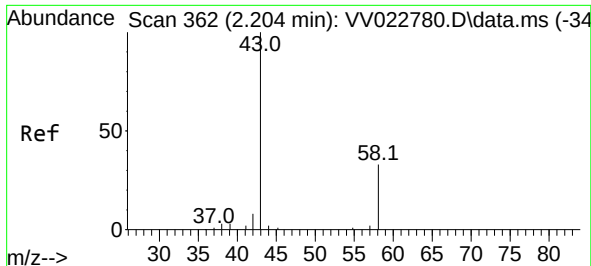
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Ion Ratio Lower Upper  
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151 79.4 60.9 91.3



#12  
1,1-Dichloroethene  
Concen: 4.799 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 96 Resp: 34925  
Ion Ratio Lower Upper  
96 100  
61 166.0 127.3 236.5  
63 110.0 106.2 197.2

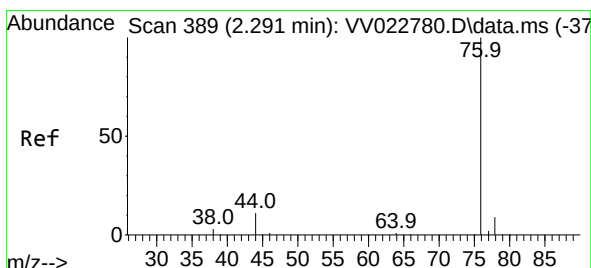
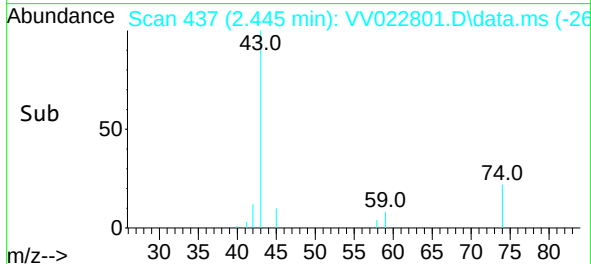
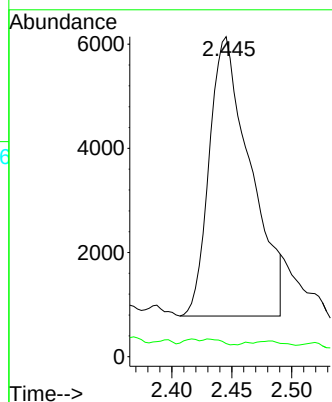
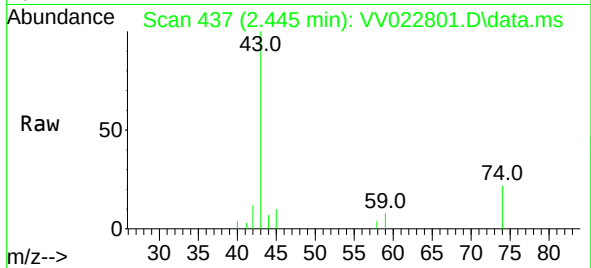




#13  
Acetone  
Concen: 10.512 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. 0.241 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

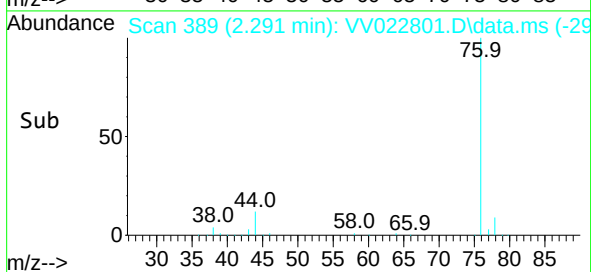
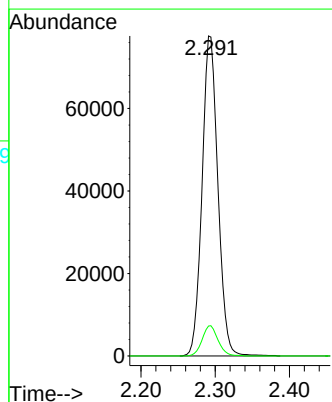
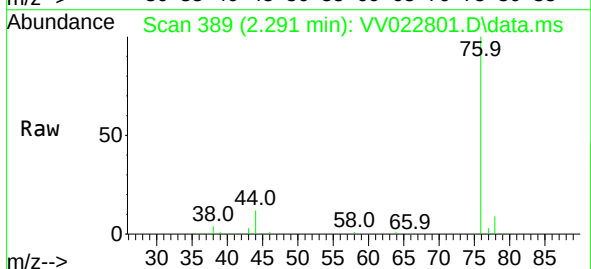
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

Tgt Ion: 43 Resp: 12741  
Ion Ratio Lower Upper  
43 100  
58 13.1 0.0 24.2

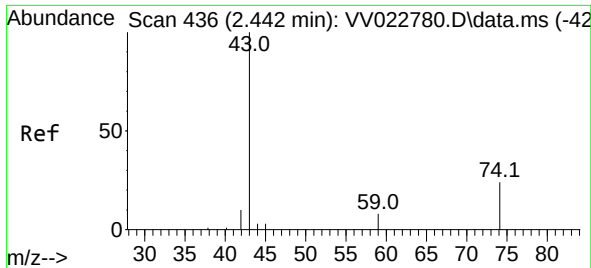


#14  
Carbon disulfide  
Concen: 5.613 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 76 Resp: 114814  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.0



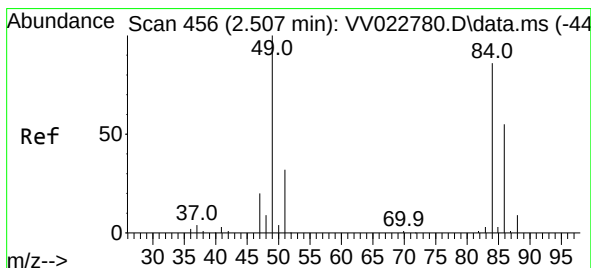
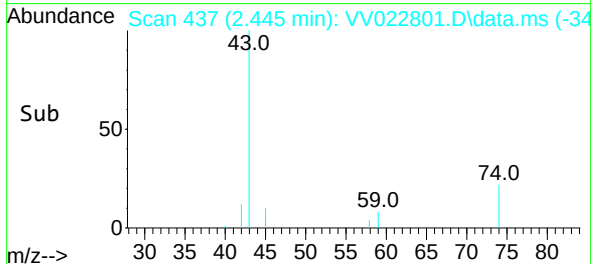
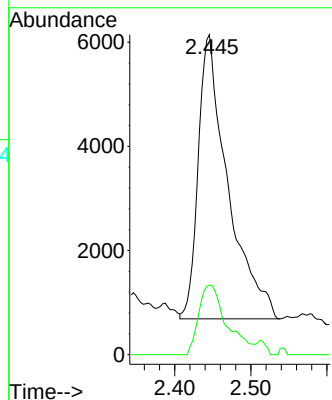
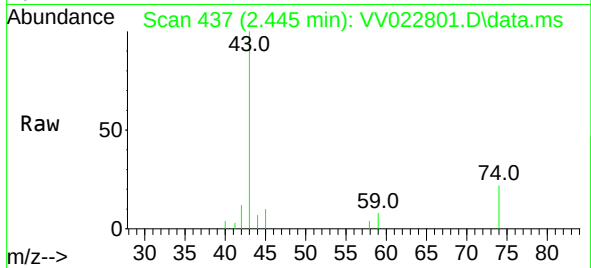




#15  
Methyl Acetate  
Concen: 4.241 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

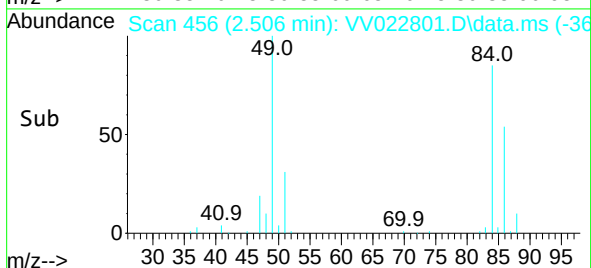
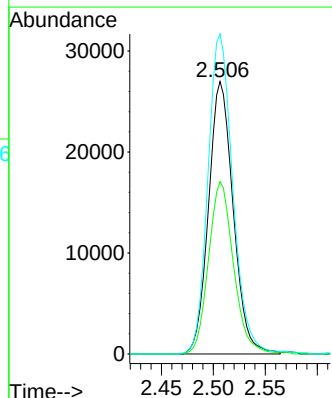
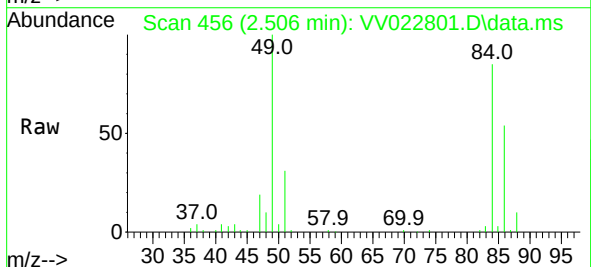
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

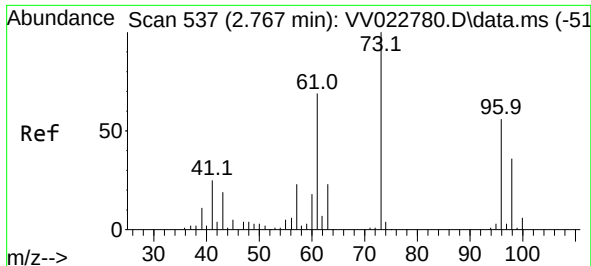
Tgt Ion: 43 Resp: 14709  
Ion Ratio Lower Upper  
43 100  
74 23.5 19.9 29.9



#16  
Methylene chloride  
Concen: 4.454 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 84 Resp: 44618  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.8 85.2  
49 117.4 90.3 167.7

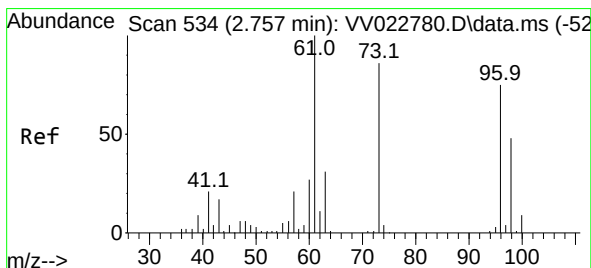
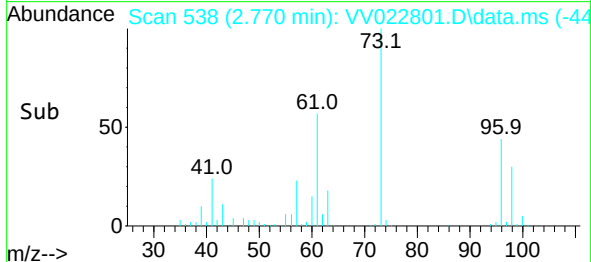
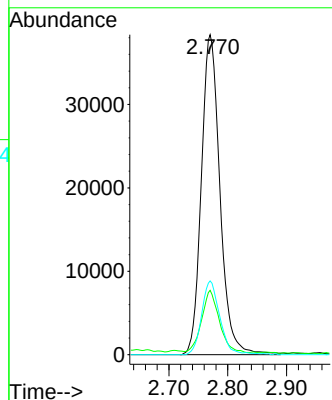
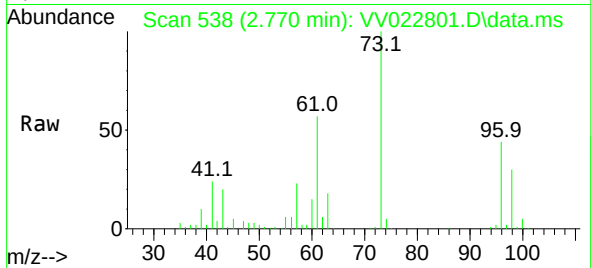




#17  
Methyl tert-butyl Ether  
Concen: 4.788 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

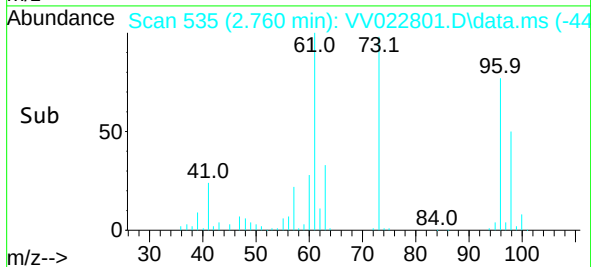
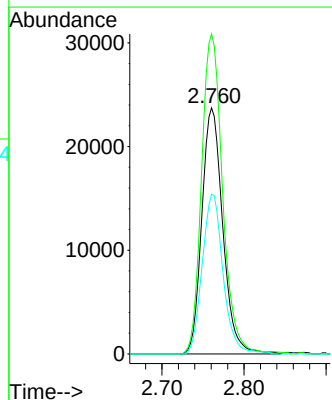
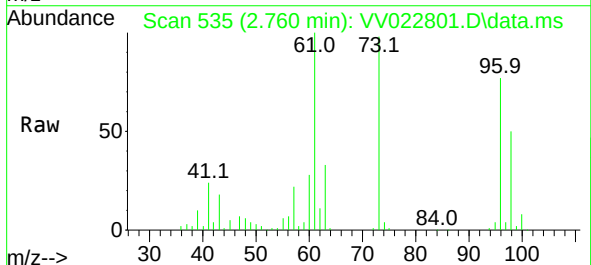
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

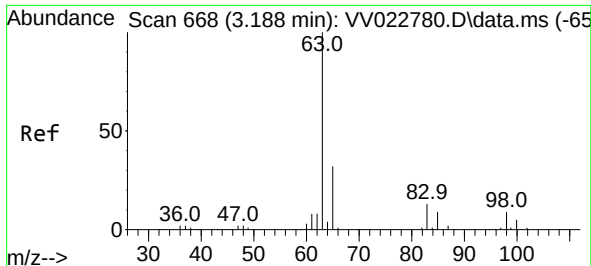
Tgt Ion: 73 Resp: 84318  
Ion Ratio Lower Upper  
73 100  
43 18.3 17.1 25.7  
57 22.1 17.2 25.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.320 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 96 Resp: 42111  
Ion Ratio Lower Upper  
96 100  
61 130.0 94.5 175.5  
98 65.0 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.422 ug/L

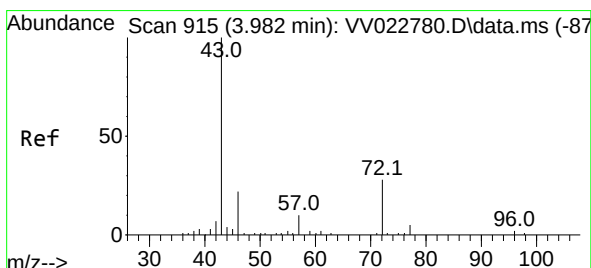
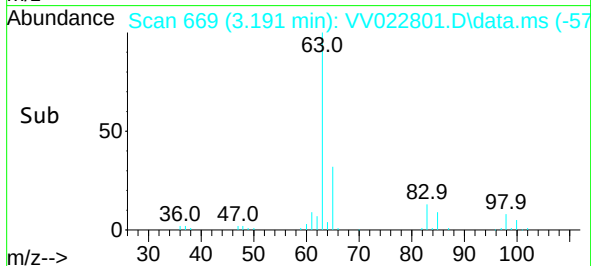
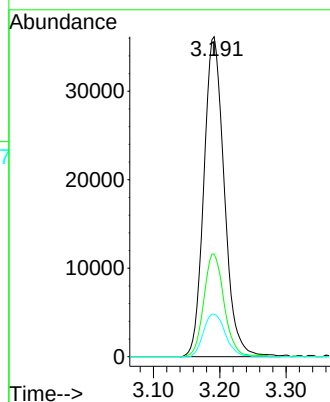
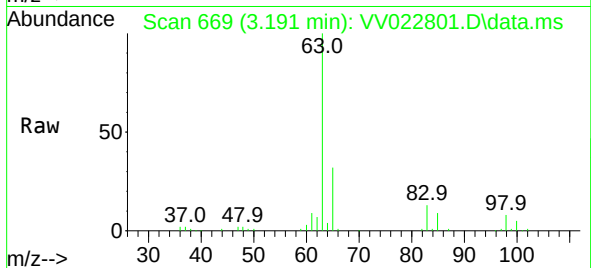
RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 77297 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 32.1     | 23.5 43.7   |
| 83 13.3     | 10.1 18.7   |



#21

2-Butanone

Concen: 40.422 ug/L

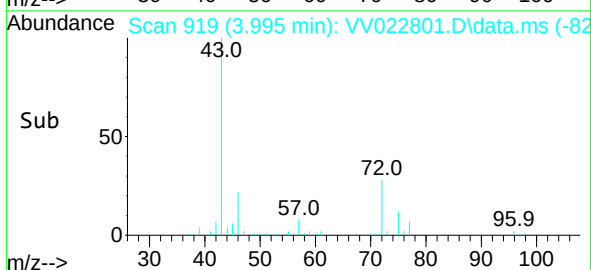
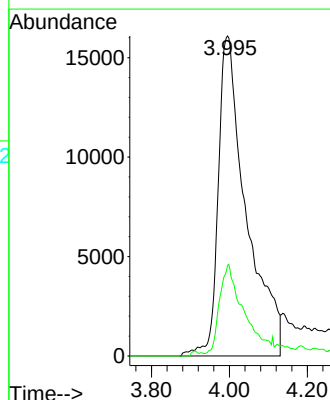
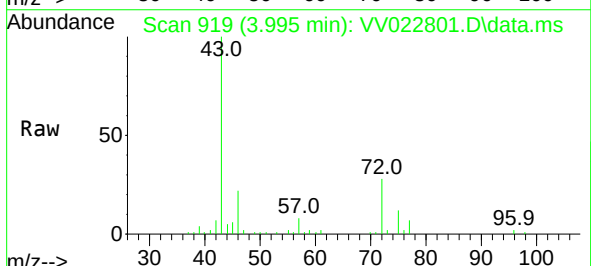
RT: 3.995 min Scan# 919

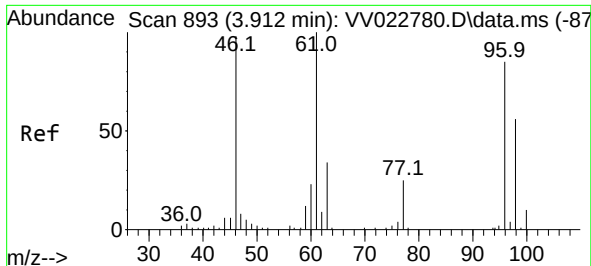
Delta R.T. 0.013 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

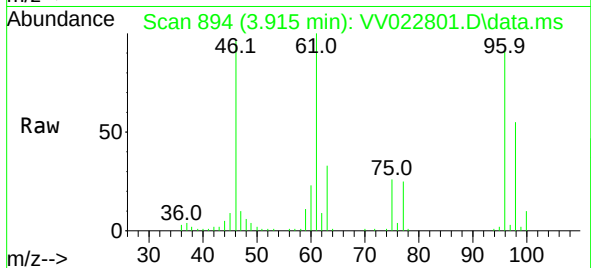
|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion: 43 | Resp: 80219 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 43 100      |             |       |  |
| 72 23.6     | 12.3        | 36.8  |  |



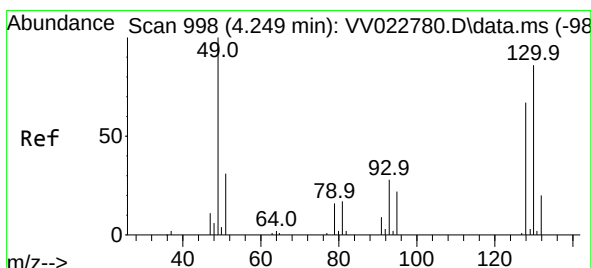
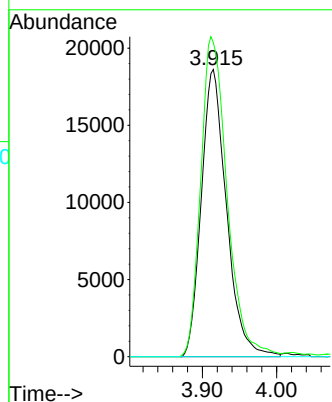
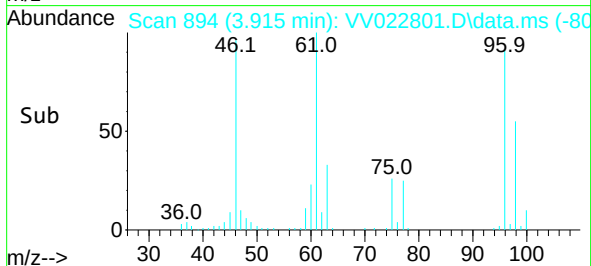


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.279 ug/L  
 RT: 3.915 min Scan# 894  
 Delta R.T. 0.003 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

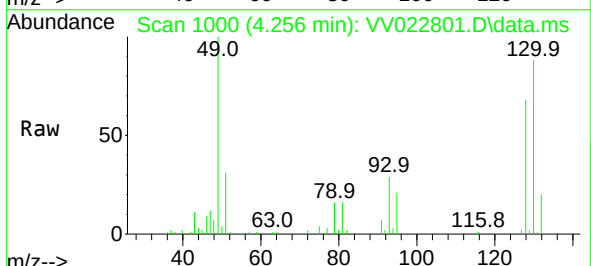
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS



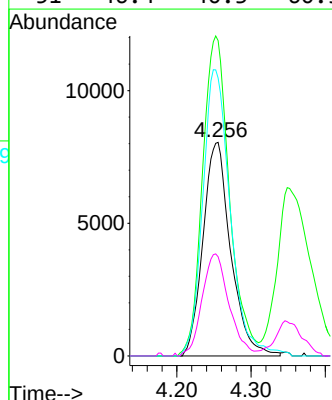
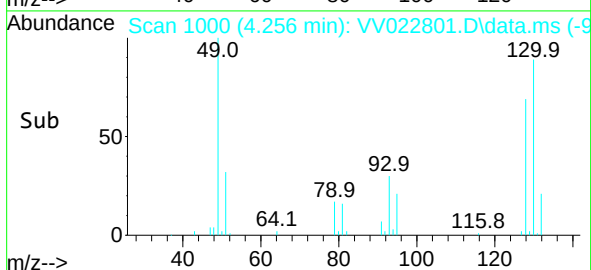
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 43874 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 109.4 | 86.0  | 159.6 |
| 68       | 0.0   | 0.0   | 0.0   |

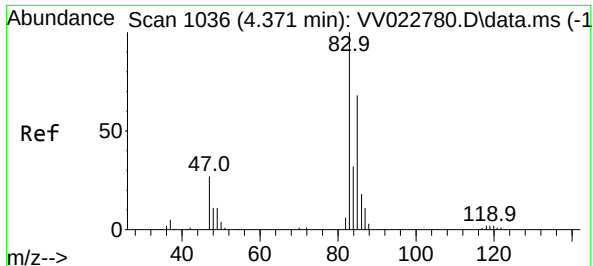


#23  
 Bromochloromethane  
 Concen: 5.647 ug/L  
 RT: 4.256 min Scan# 1000  
 Delta R.T. 0.006 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20849 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 147.6 | 106.9 | 198.5 |
| 130      | 130.1 | 91.9  | 170.7 |
| 51       | 46.4  | 40.3  | 60.5  |





#25

Chloroform

Concen: 4.769 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

Tgt Ion: 83 Resp: 78805

Ion Ratio Lower Upper

83 100

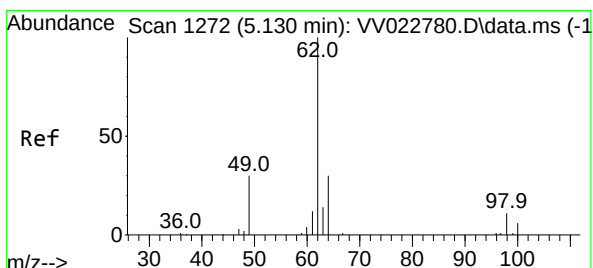
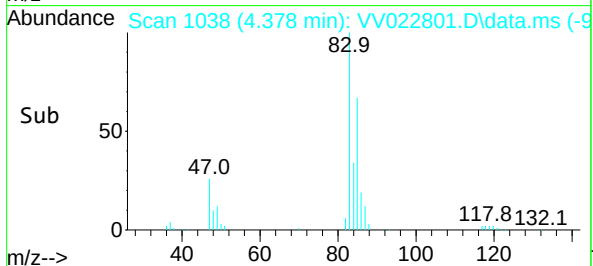
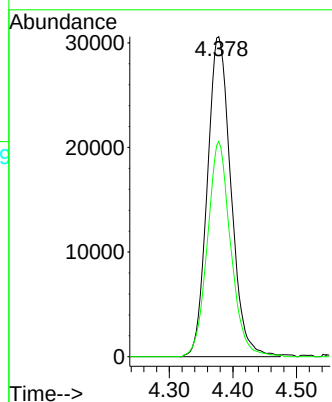
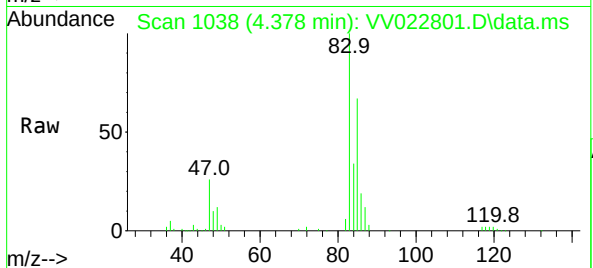
85 67.2 45.7 84.9

Instrument :

MSVOA\_V

ClientSampleId :

JDGG4MS



#27

1,2-Dichloroethane

Concen: 5.222 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV022801.D

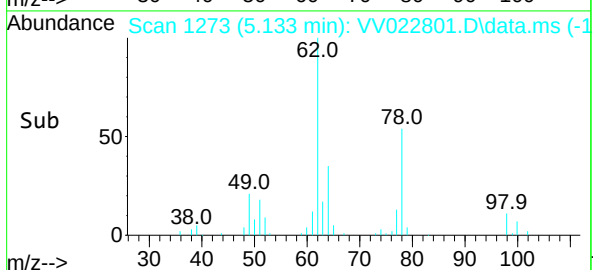
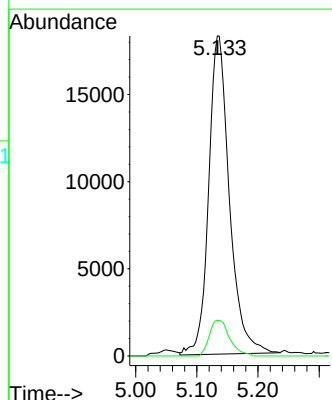
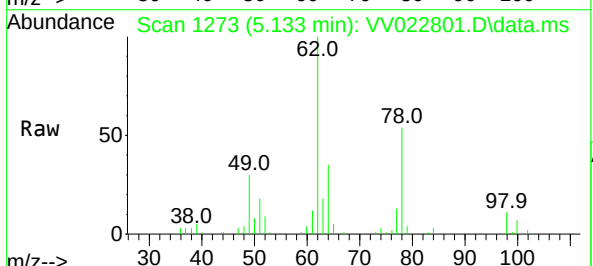
Acq: 14 Oct 2021 18:40

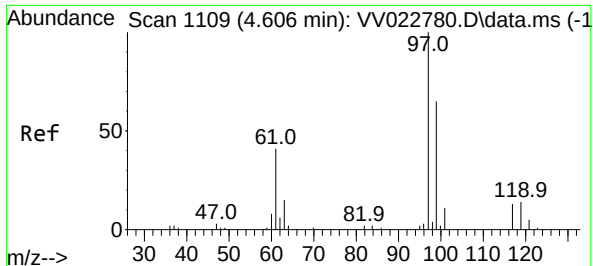
Tgt Ion: 62 Resp: 43072

Ion Ratio Lower Upper

62 100

98 11.1 9.7 14.5



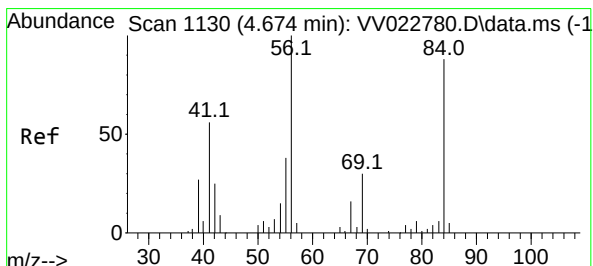
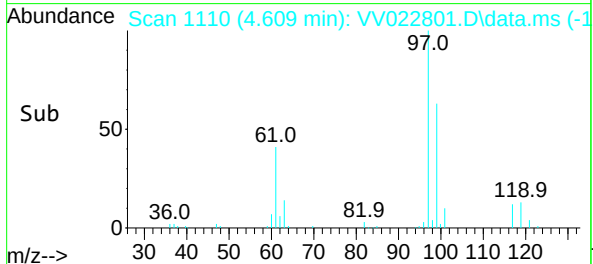
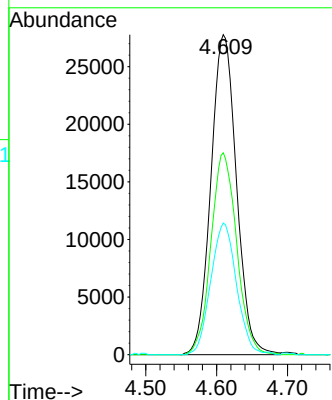
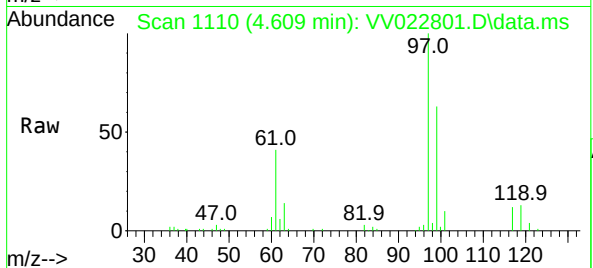


#29

1,1,1-Trichloroethane  
Concen: 4.960 ug/L  
RT: 4.609 min Scan# 1110  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

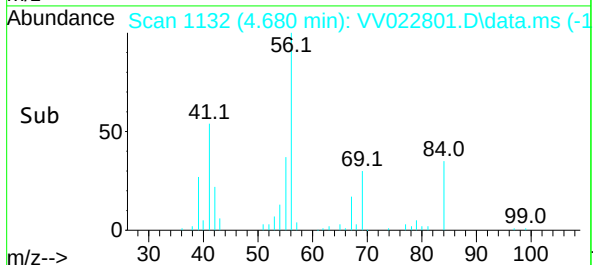
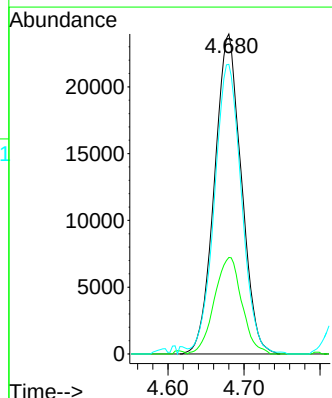
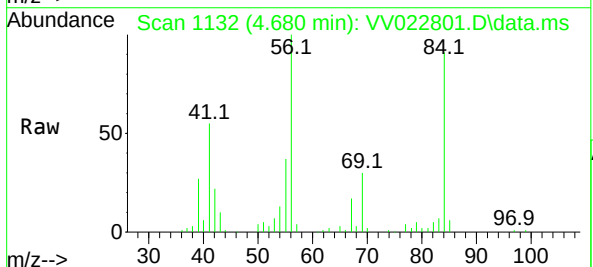
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 69734 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.5  | 51.2  | 76.8  |
| 61       | 41.3  | 33.2  | 49.8  |

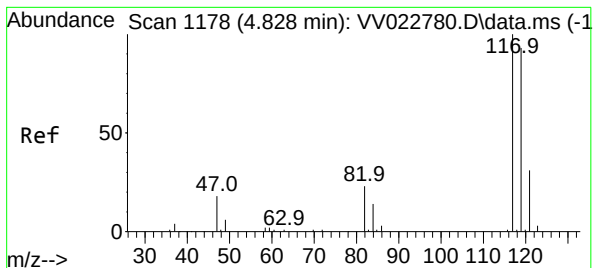


#30

Cyclohexane  
Concen: 4.528 ug/L  
RT: 4.680 min Scan# 1132  
Delta R.T. 0.006 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 58736 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.9  | 24.9  | 37.3  |
| 84       | 89.6  | 72.5  | 108.7 |





#31

Carbon tetrachloride

Concen: 5.093 ug/L

RT: 4.828 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VV022801.D

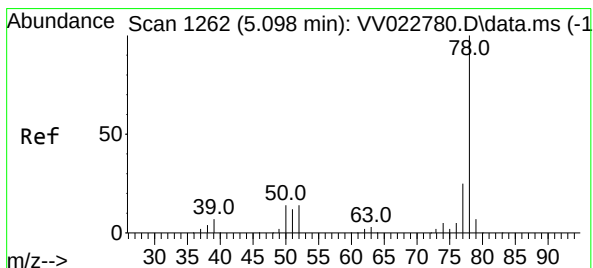
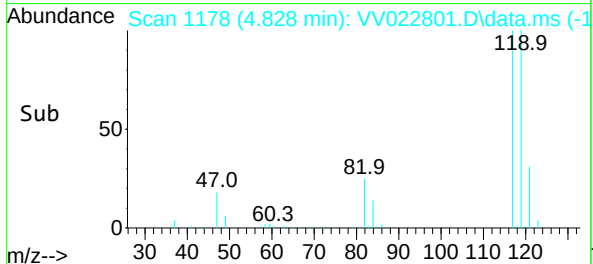
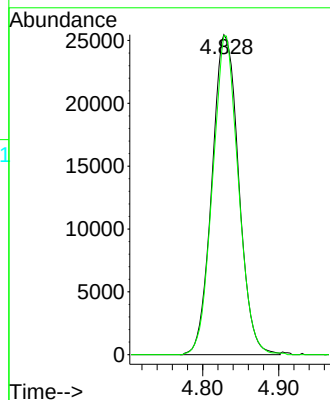
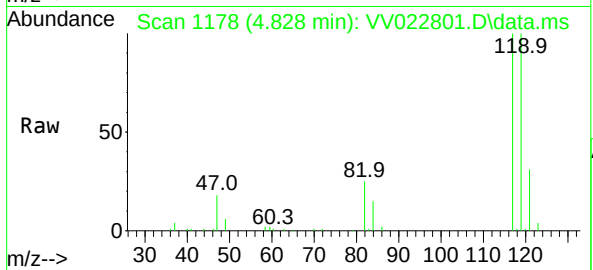
Acq: 14 Oct 2021 18:40

Tgt Ion:117 Resp: 62142

Ion Ratio Lower Upper

117 100

119 96.1 77.4 116.0



#33

Benzene

Concen: 5.138 ug/L

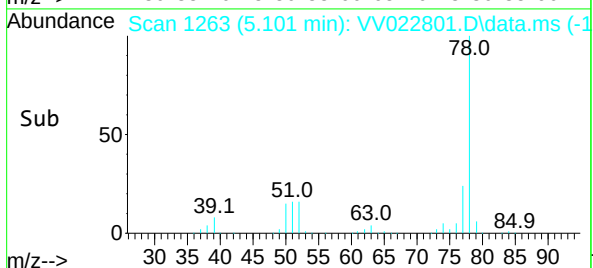
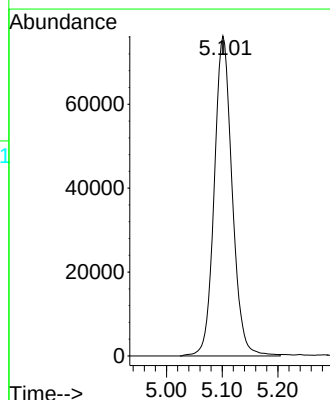
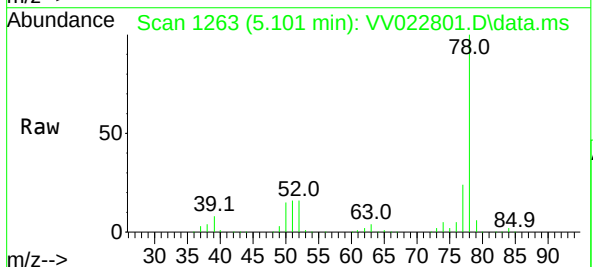
RT: 5.101 min Scan# 1263

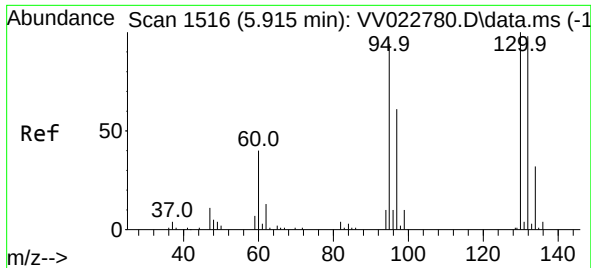
Delta R.T. 0.003 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

Tgt Ion: 78 Resp: 170346



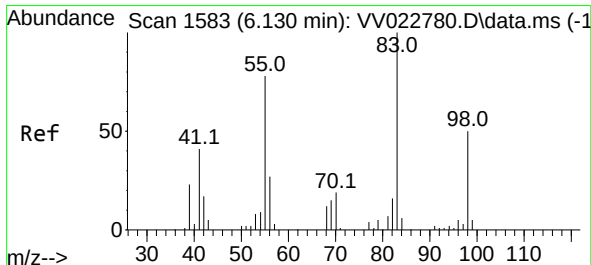
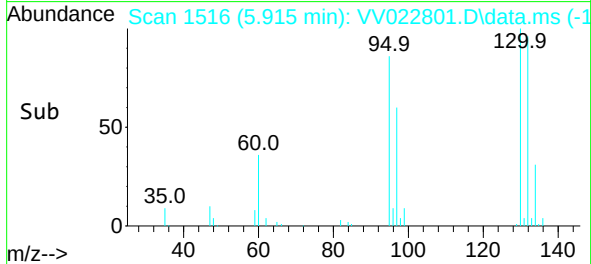
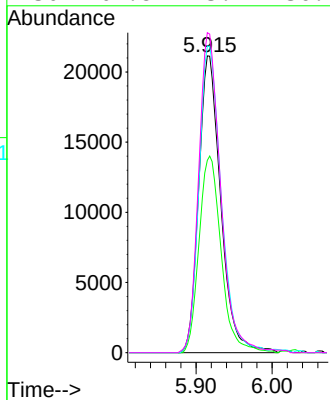
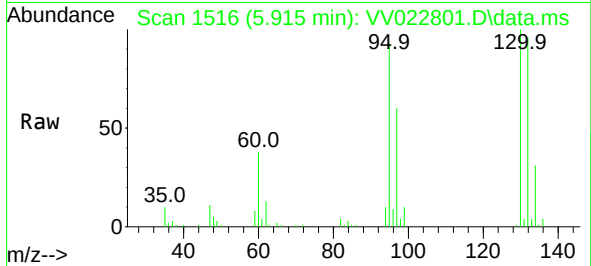


#34  
Trichloroethene  
Concen: 4.708 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

Tgt Ion: 95 Resp: 42447

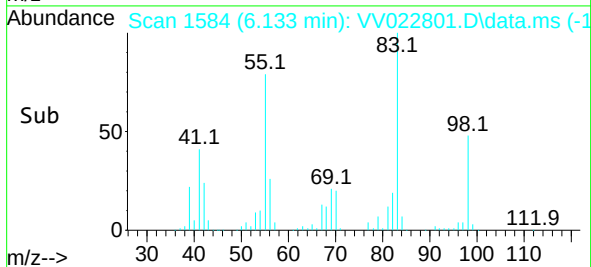
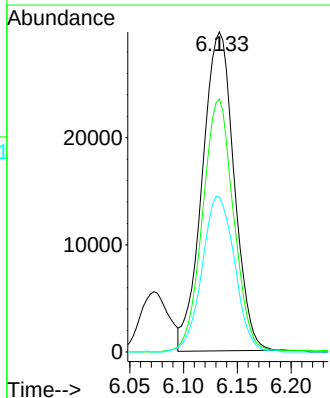
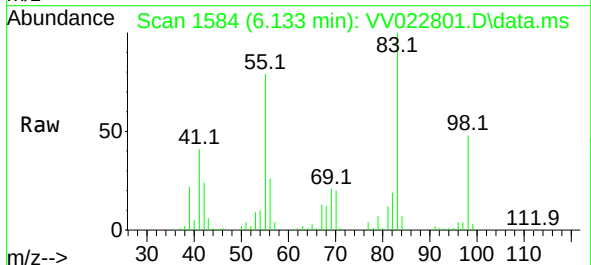
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.8  | 45.8  | 85.2  |
| 132 | 103.3 | 72.2  | 134.0 |
| 130 | 107.8 | 73.4  | 136.4 |



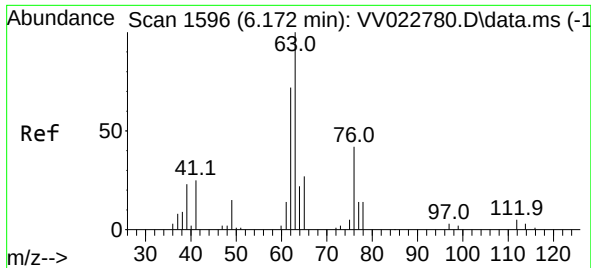
#35  
Methylcyclohexane  
Concen: 4.850 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 83 Resp: 61262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 77.5  | 63.8  | 95.6  |
| 98  | 50.0  | 42.1  | 63.1  |



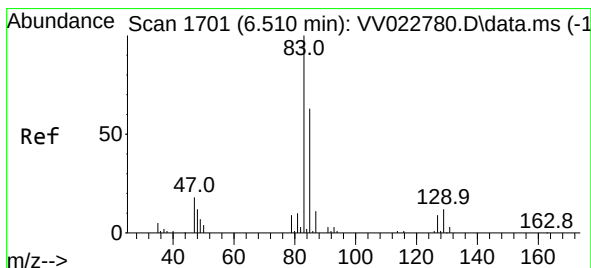
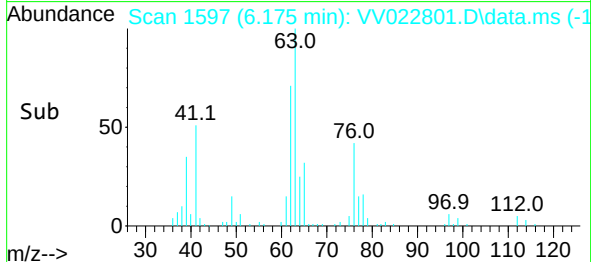
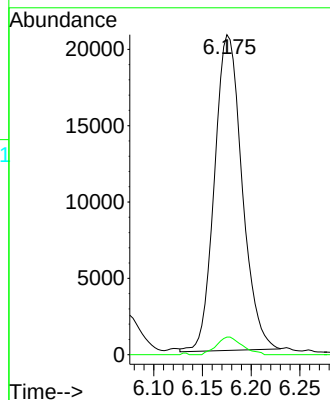
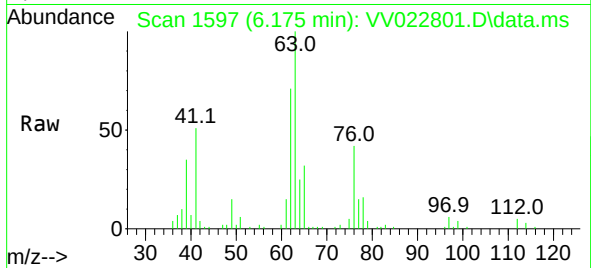




#37  
1,2-Dichloropropane  
Concen: 5.118 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

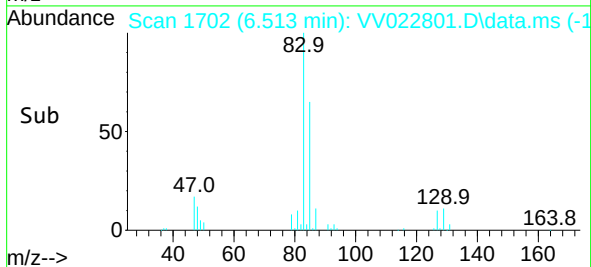
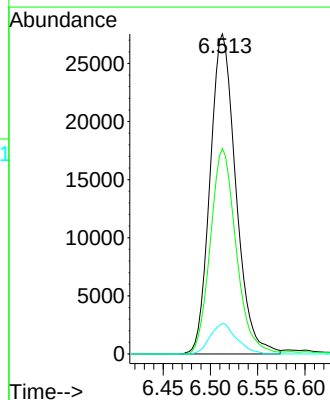
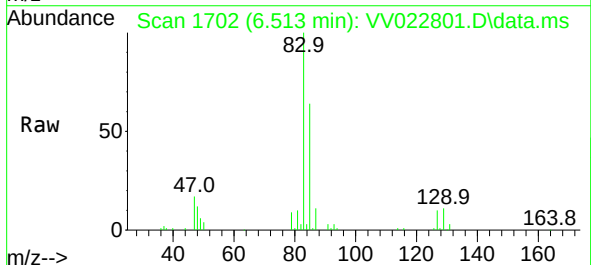
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

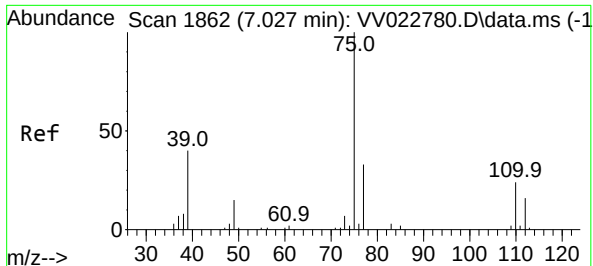
Tgt Ion: 63 Resp: 40811  
Ion Ratio Lower Upper  
63 100  
112 5.2 4.4 6.6



#38  
Bromodichloromethane  
Concen: 5.318 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 83 Resp: 52253  
Ion Ratio Lower Upper  
83 100  
85 64.2 44.3 82.3  
127 9.5 7.7 11.5

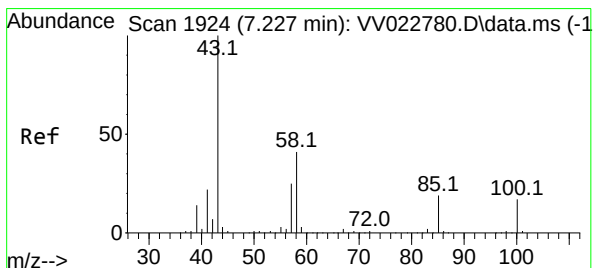
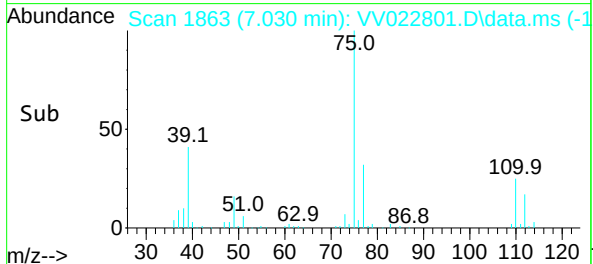
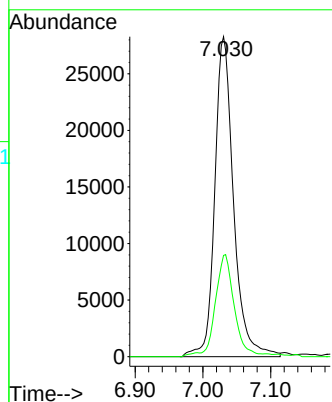
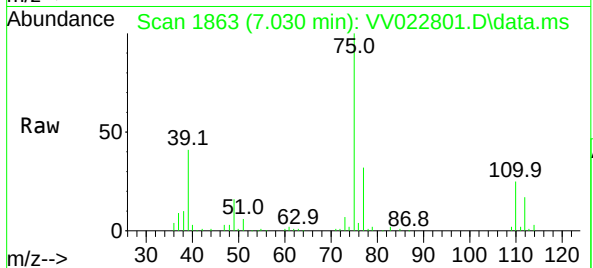




#39  
cis-1,3-Dichloropropene  
Concen: 5.157 ug/L  
RT: 7.030 min Scan# 1863  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

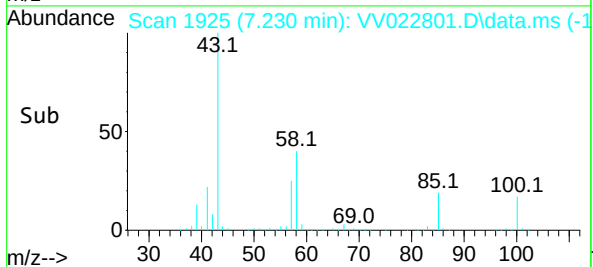
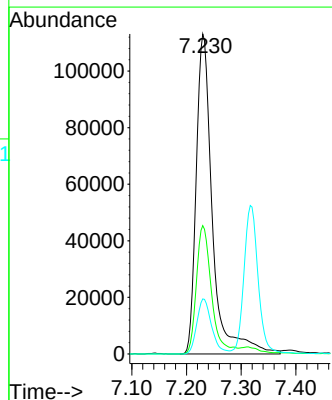
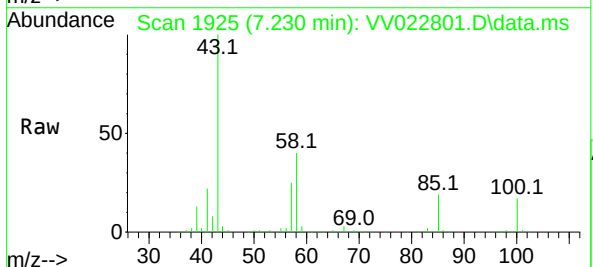
Instrument :  
MSVOA\_V  
ClientSampled :  
JDGG4MS

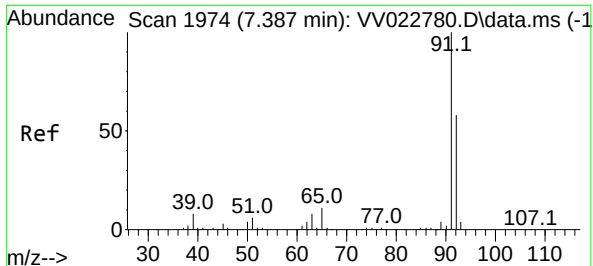
Tgt Ion: 75 Resp: 54434  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.3 41.3



#40  
4-Methyl-2-pentanone  
Concen: 54.371 ug/L  
RT: 7.230 min Scan# 1925  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 43 Resp: 232964  
Ion Ratio Lower Upper  
43 100  
58 36.7 32.0 48.0  
100 15.7 14.2 21.2

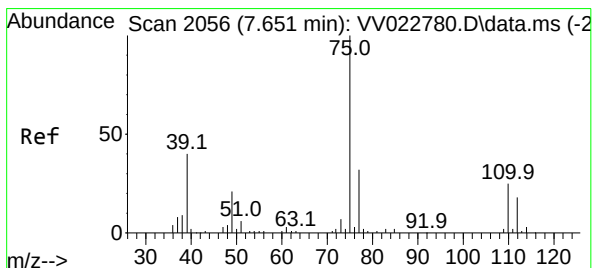
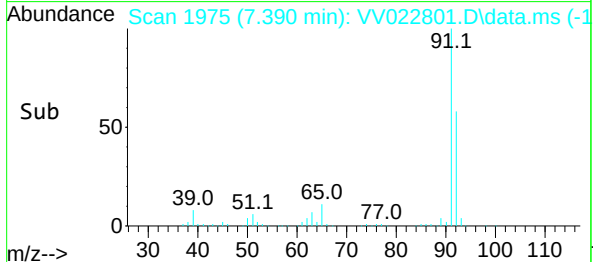
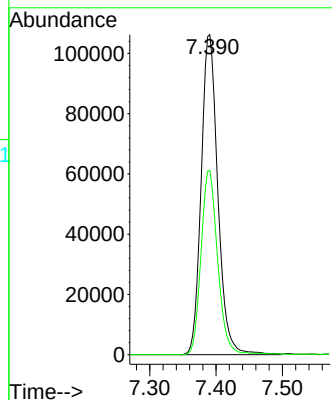
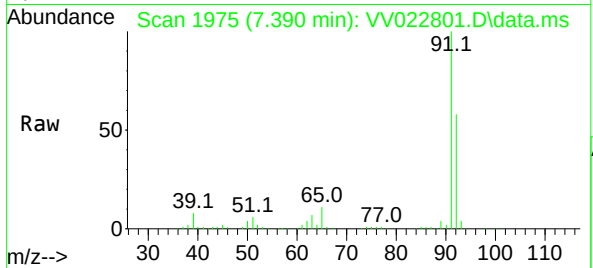




#42  
Toluene  
Concen: 5.504 ug/L  
RT: 7.390 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

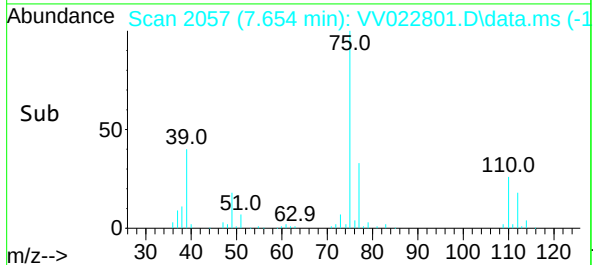
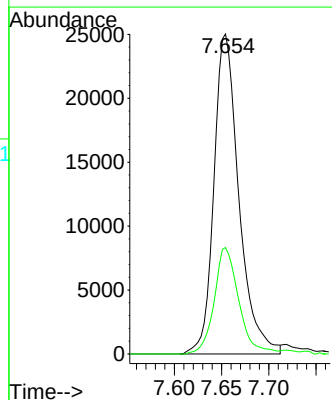
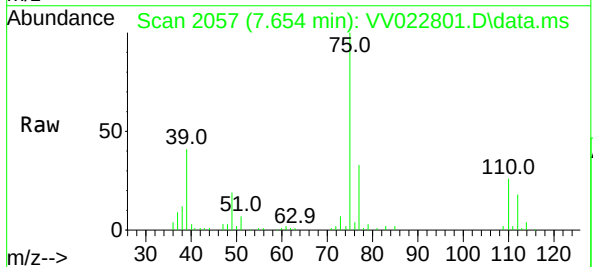
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

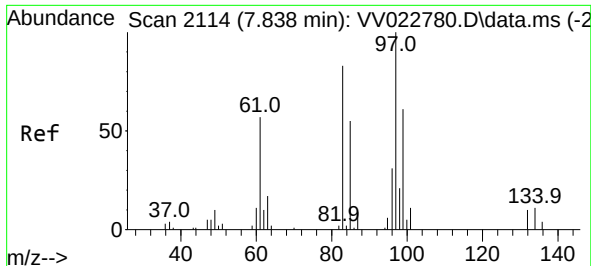
Tgt Ion: 91 Resp: 185266  
Ion Ratio Lower Upper  
91 100  
92 57.6 40.7 75.7



#44  
trans-1,3-Dichloropropene  
Concen: 5.346 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 75 Resp: 46008  
Ion Ratio Lower Upper  
75 100  
77 33.3 23.9 44.5



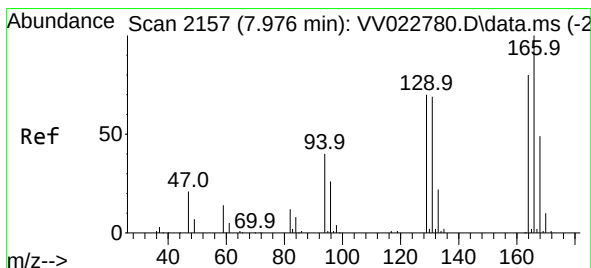
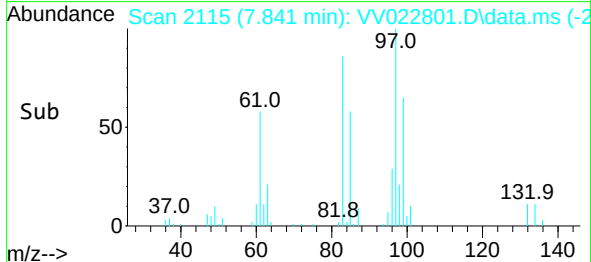
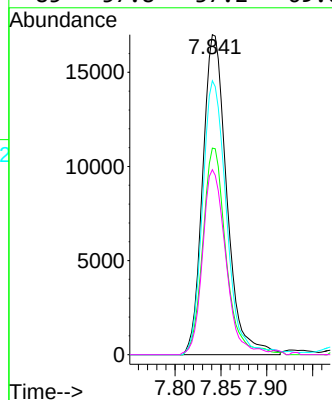
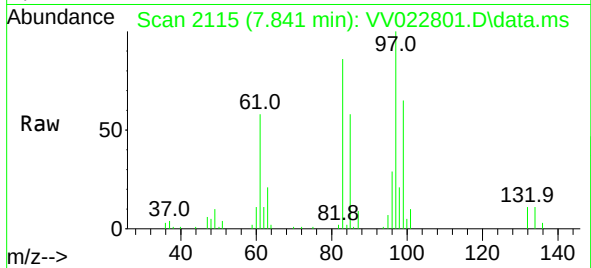


#45  
1,1,2-Trichloroethane  
Concen: 5.246 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

Tgt Ion: 97 Resp: 31041

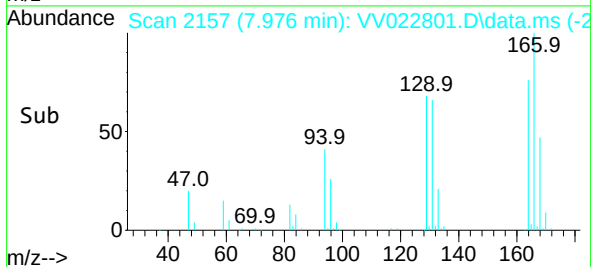
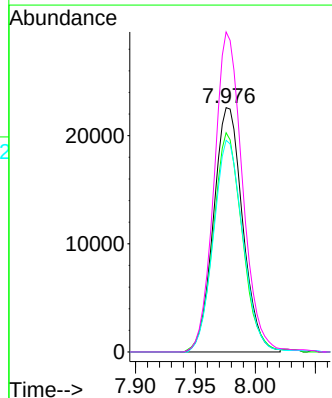
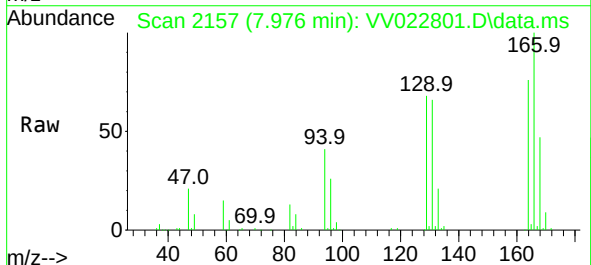
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.6  | 44.5  | 82.7  |
| 83  | 85.6  | 56.6  | 105.0 |
| 85  | 57.8  | 37.2  | 69.0  |

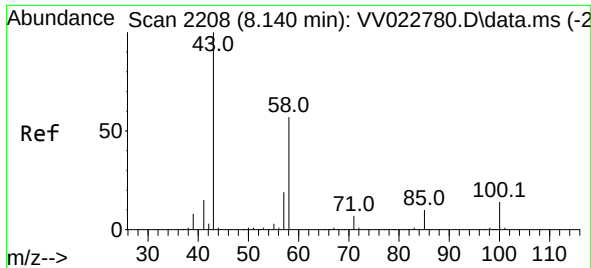


#47  
Tetrachloroethene  
Concen: 5.219 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 164 Resp: 38055

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.7  | 65.0  | 120.6 |
| 131 | 86.6  | 62.2  | 115.4 |
| 166 | 130.9 | 89.2  | 165.8 |



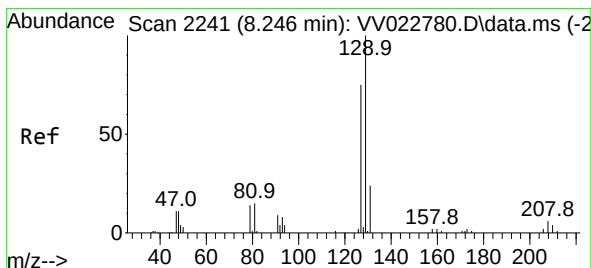
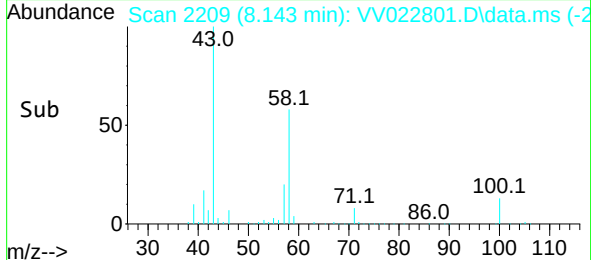
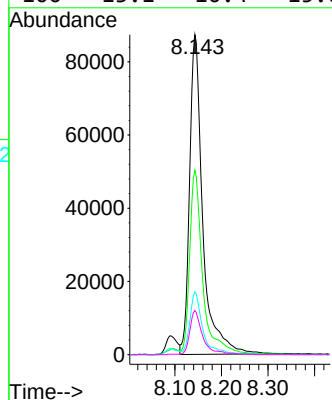
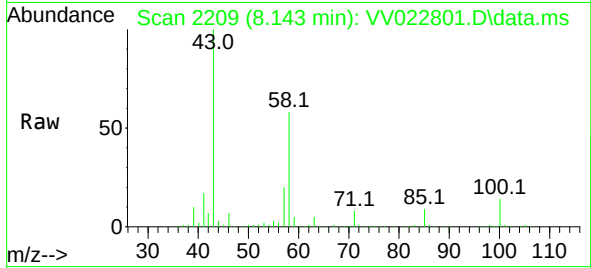


#48  
2-Hexanone  
Concen: 54.841 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

Tgt Ion: 43 Resp: 171808

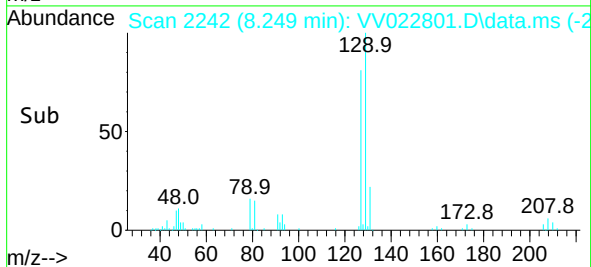
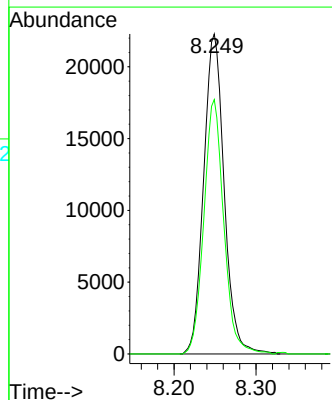
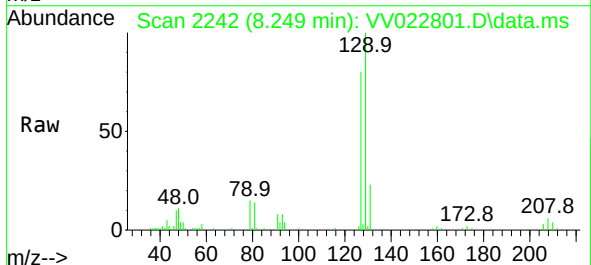
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.8  | 47.4  | 71.0  |
| 57  | 19.0  | 15.3  | 22.9  |
| 100 | 13.1  | 10.4  | 15.6  |

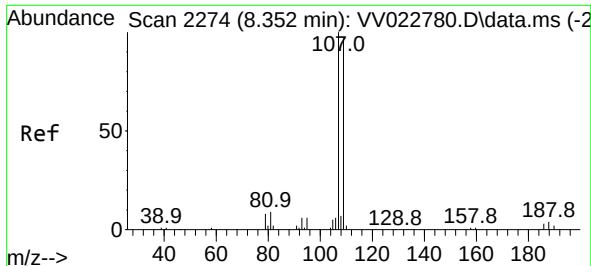


#49  
Dibromochloromethane  
Concen: 5.590 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 129 Resp: 38722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.5  | 59.1  | 109.9 |





#50

1,2-Dibromoethane

Concen: 5.236 ug/L

RT: 8.355 min Scan# 2275

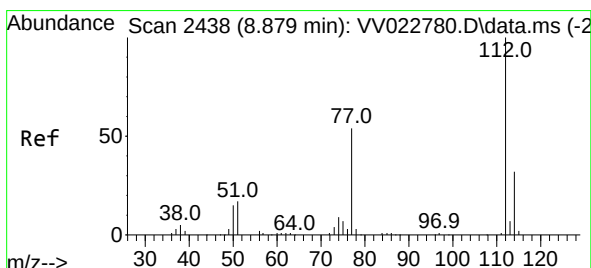
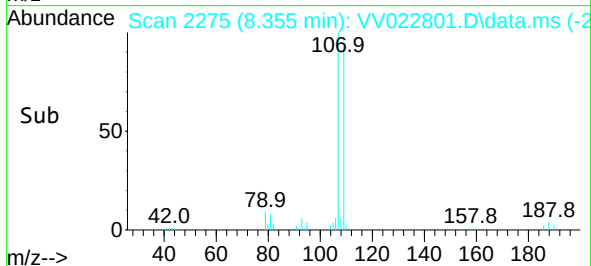
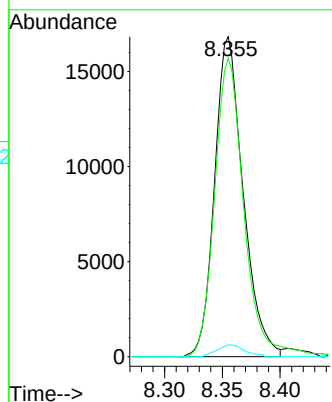
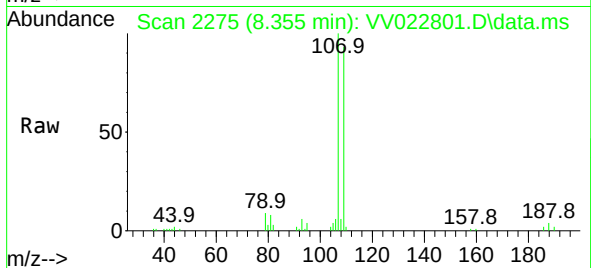
Delta R.T. 0.003 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 28929 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 93.3  | 67.1  | 124.5 |
| 188      | 3.6   | 3.4   | 5.0   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS



#51

Chlorobenzene

Concen: 5.324 ug/L

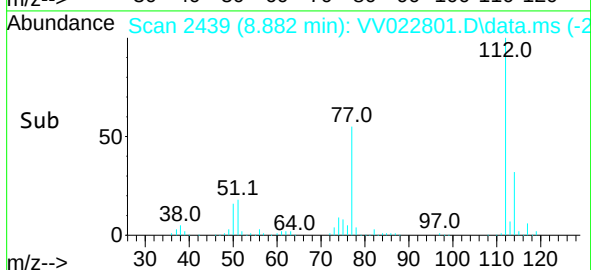
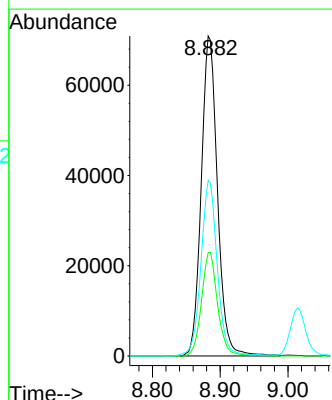
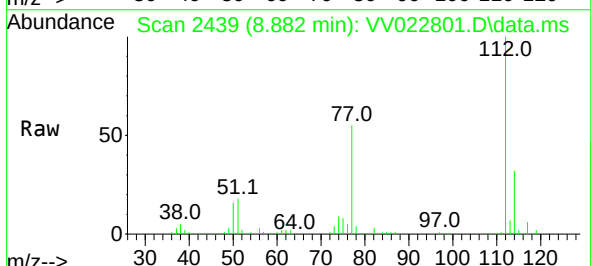
RT: 8.882 min Scan# 2439

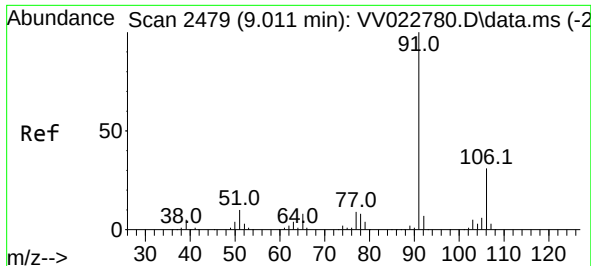
Delta R.T. 0.003 min

Lab File: VV022801.D

Acq: 14 Oct 2021 18:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 117760 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.3  | 21.6  | 40.2   |
| 77       | 54.8  | 43.7  | 65.5   |





#52

Ethylbenzene

Concen: 5.332 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV022801.D

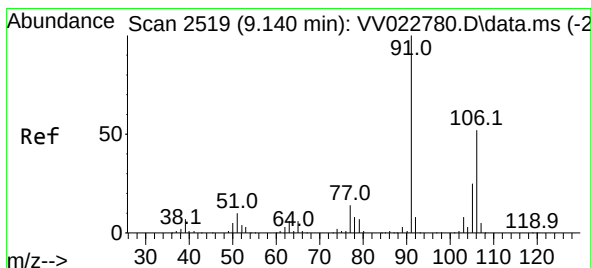
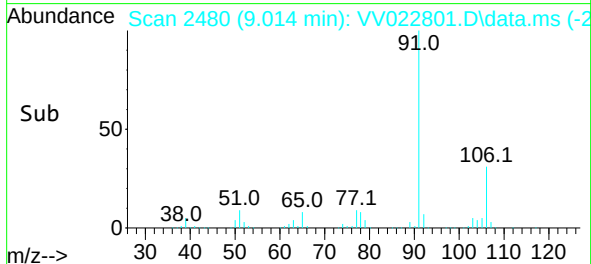
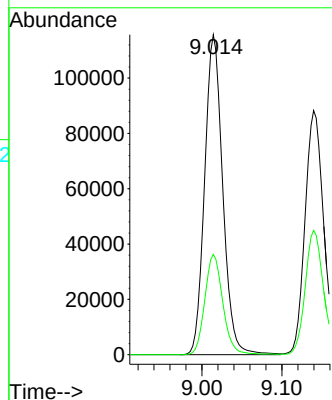
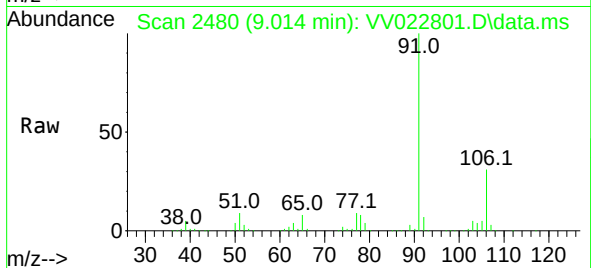
Acq: 14 Oct 2021 18:40

Tgt Ion: 91 Resp: 182198

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2



#53

m,p-xylene

Concen: 5.331 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV022801.D

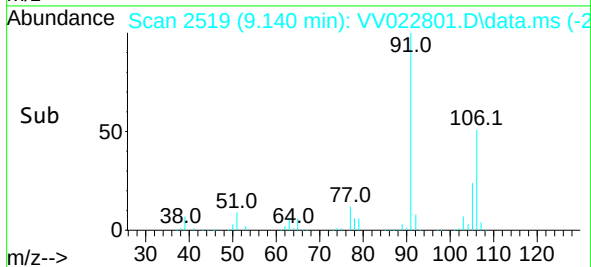
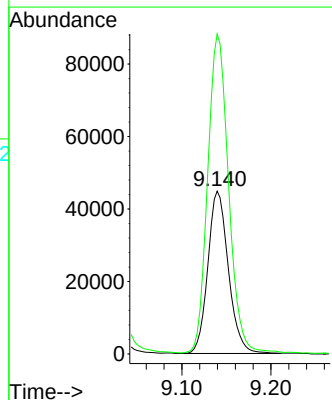
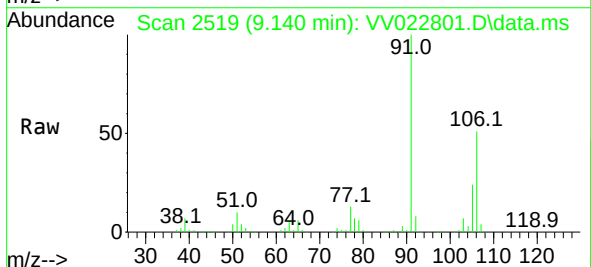
Acq: 14 Oct 2021 18:40

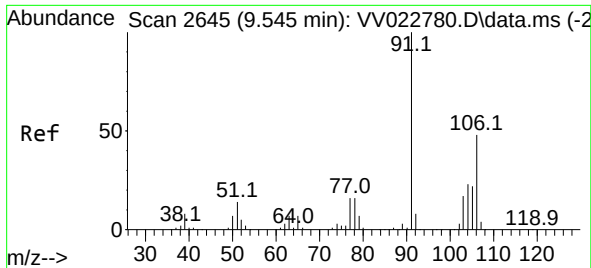
Tgt Ion: 106 Resp: 71501

Ion Ratio Lower Upper

106 100

91 196.5 138.7 257.5

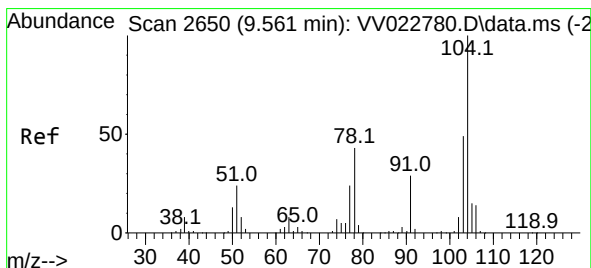
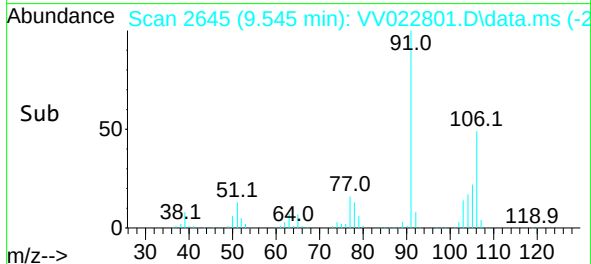
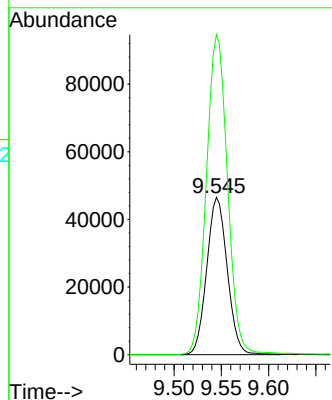
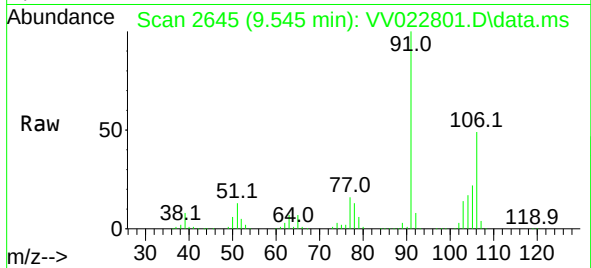




#54  
o-xylene  
Concen: 5.569 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

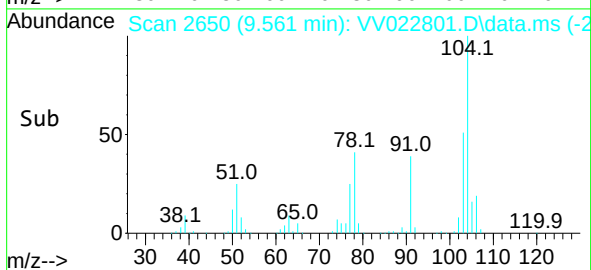
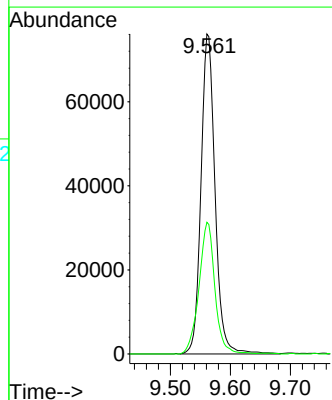
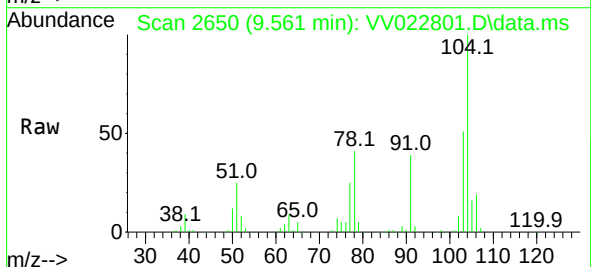
Instrument :  
MSVOA\_V  
ClientSampled :  
JDGG4MS

Tgt Ion:106 Resp: 70261  
Ion Ratio Lower Upper  
106 100  
91 203.5 151.1 280.7

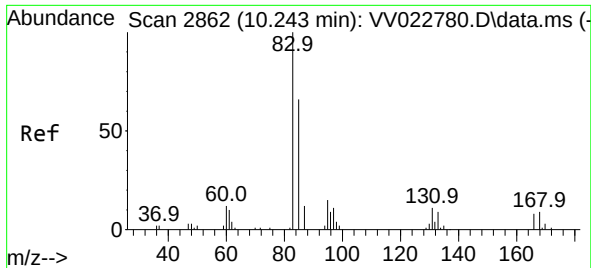


#55  
Styrene  
Concen: 5.724 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion:104 Resp: 124448  
Ion Ratio Lower Upper  
104 100  
78 41.1 29.5 54.7



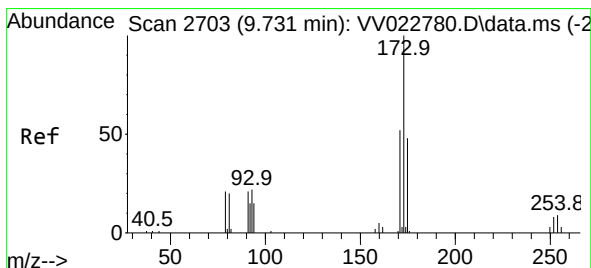
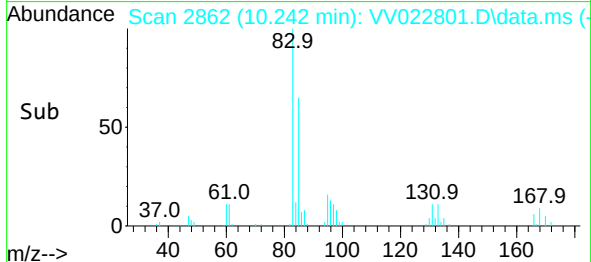
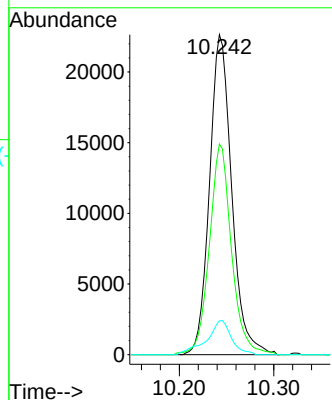
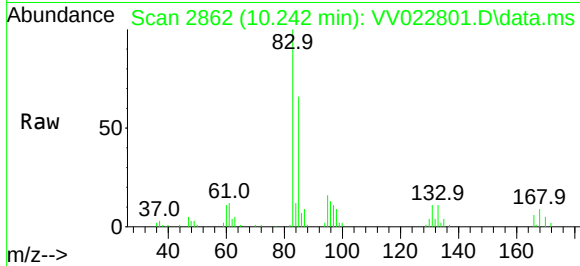




#57  
1,1,2,2-Tetrachloroethane  
Concen: 6.169 ug/L  
RT: 10.242 min Scan# 2862  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

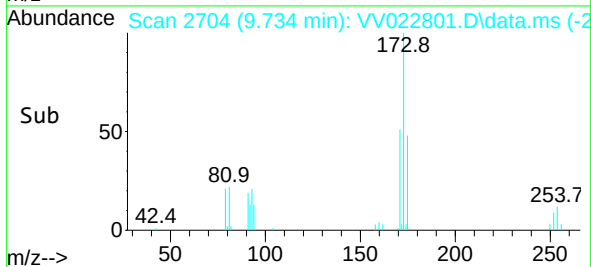
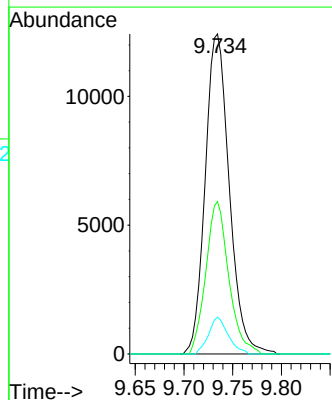
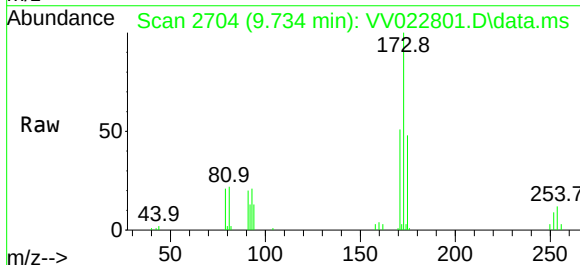
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

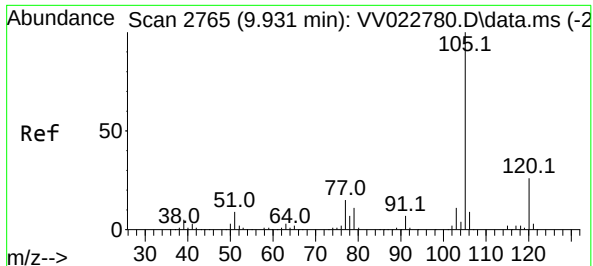
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 36933 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.8  | 46.0  | 85.4  |
| 131      | 10.6  | 8.4   | 12.6  |



#59  
Bromoform  
Concen: 5.584 ug/L  
RT: 9.734 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 21365 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 45.3  | 38.3  | 57.5  |
| 254      | 9.4   | 7.1   | 10.7  |

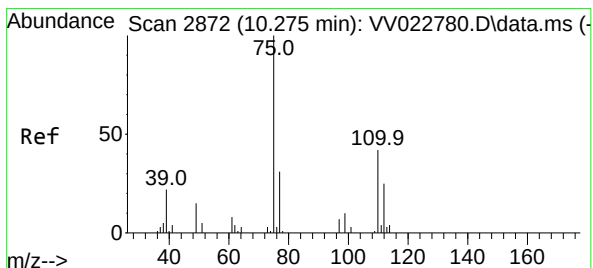
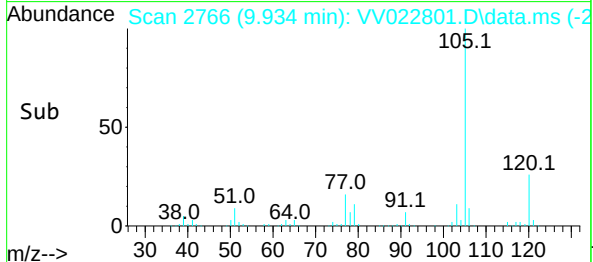
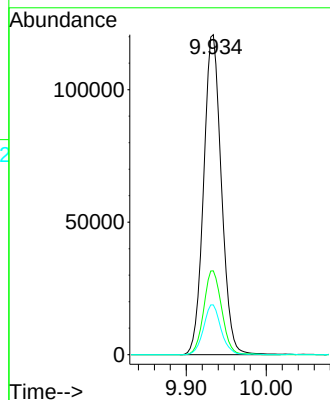
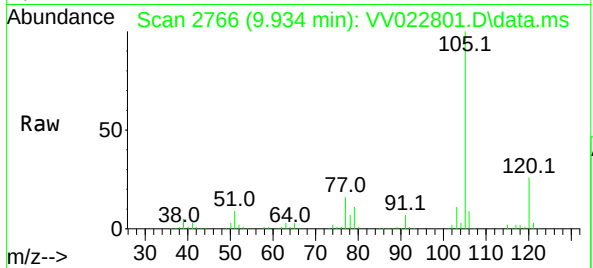




#60  
Isopropylbenzene  
Concen: 5.380 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

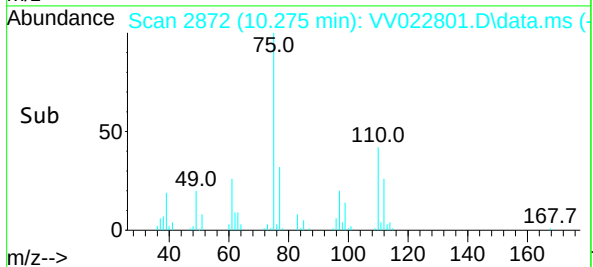
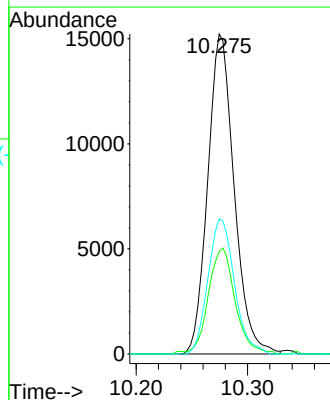
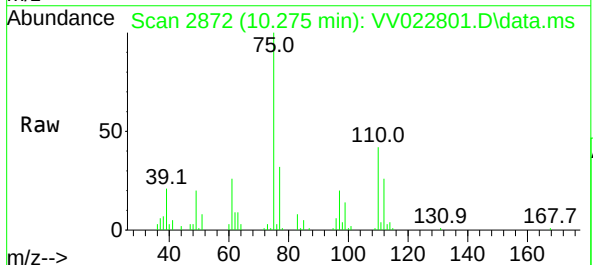
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

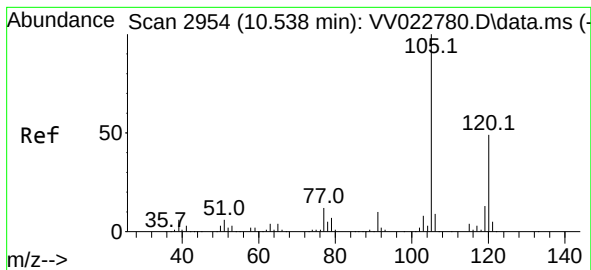
Tgt Ion:105 Resp: 186651  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.8 32.8  
77 15.4 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 5.281 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 75 Resp: 25064  
Ion Ratio Lower Upper  
75 100  
77 33.6 25.4 38.2  
110 42.2 34.2 51.4

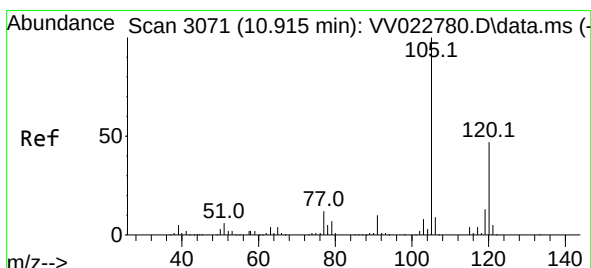
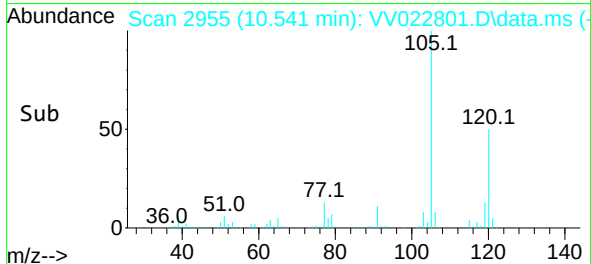
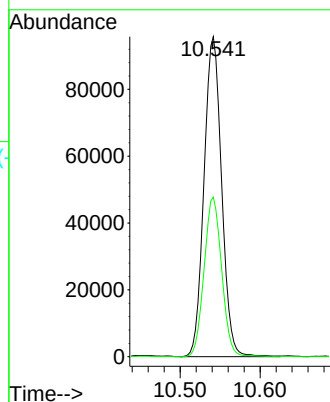
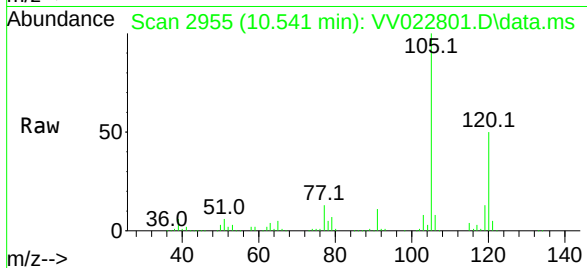




#62  
1,3,5-Trimethylbenzene  
Concen: 5.246 ug/L  
RT: 10.541 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

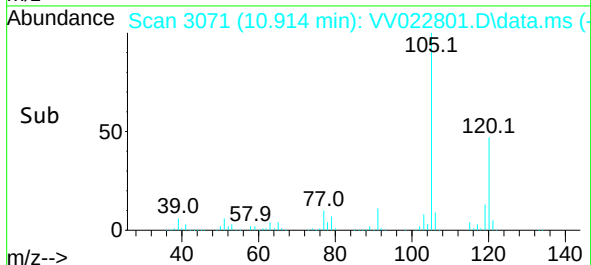
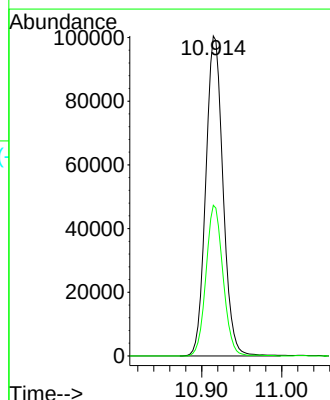
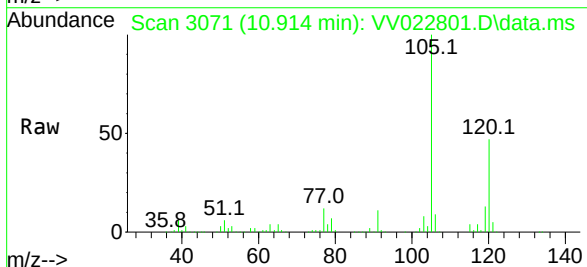
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

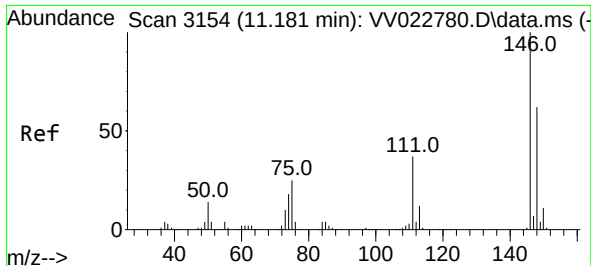
Tgt Ion:105 Resp: 147058  
Ion Ratio Lower Upper  
105 100  
120 49.6 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 5.377 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion:105 Resp: 150852  
Ion Ratio Lower Upper  
105 100  
120 46.3 37.3 55.9

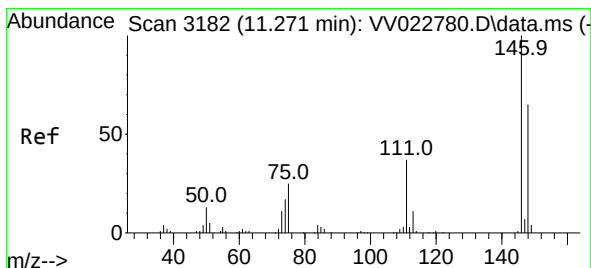
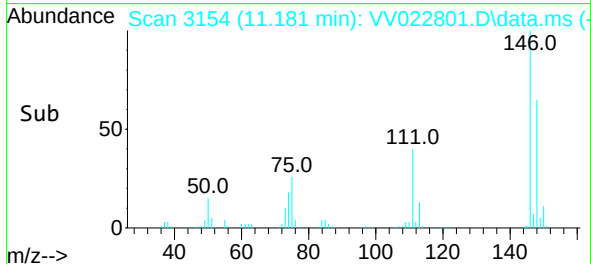
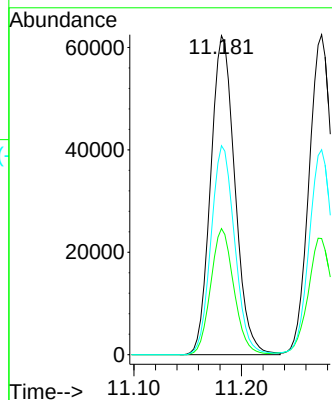
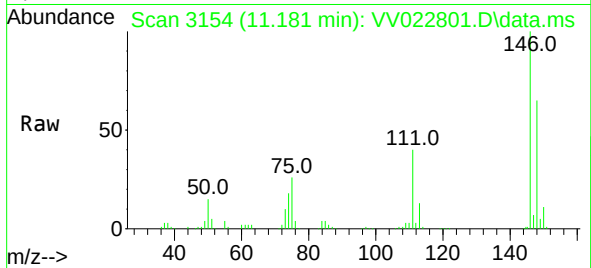




#64  
1,3-Dichlorobenzene  
Concen: 5.356 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

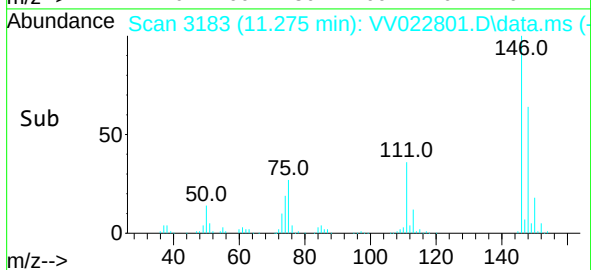
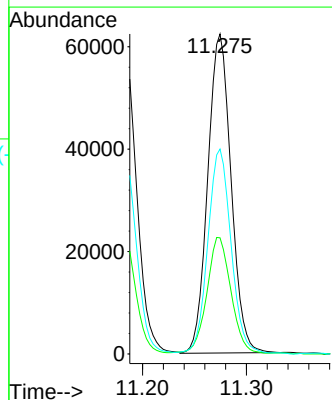
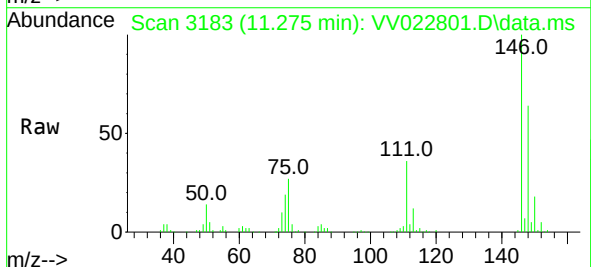
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

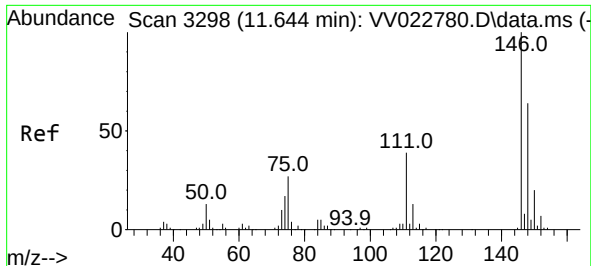
Tgt Ion:146 Resp: 97530  
Ion Ratio Lower Upper  
146 100  
111 39.5 26.7 49.5  
148 65.5 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 5.246 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.003 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion:146 Resp: 96994  
Ion Ratio Lower Upper  
146 100  
111 36.3 25.6 47.4  
148 64.0 44.9 83.5

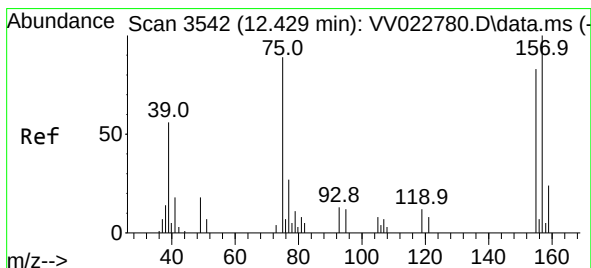
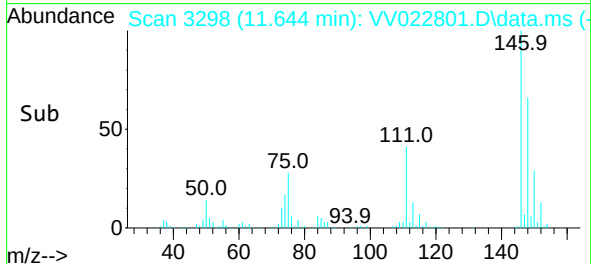
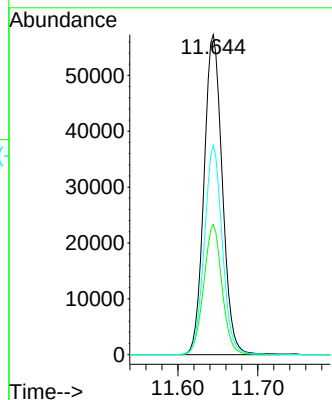
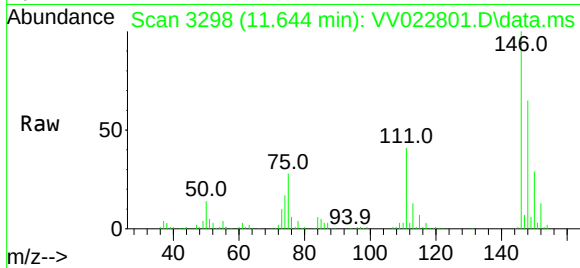




#67  
1,2-Dichlorobenzene  
Concen: 5.346 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

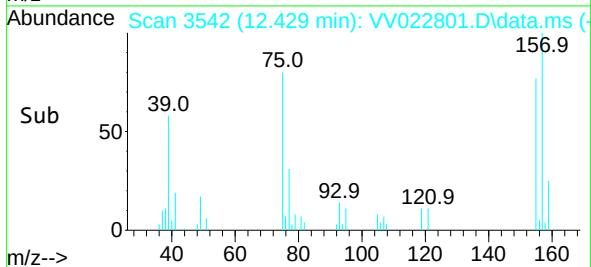
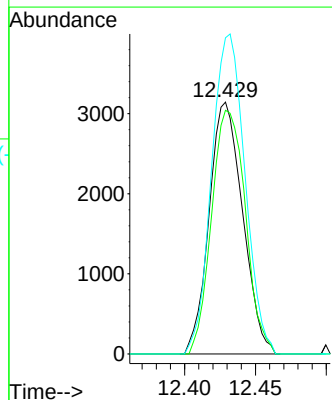
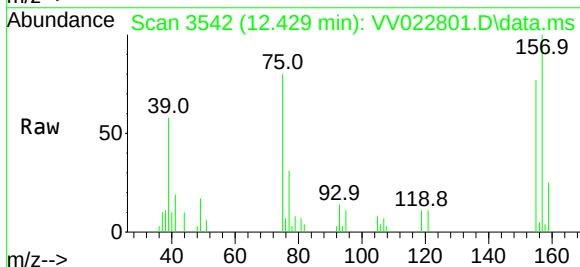
Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS

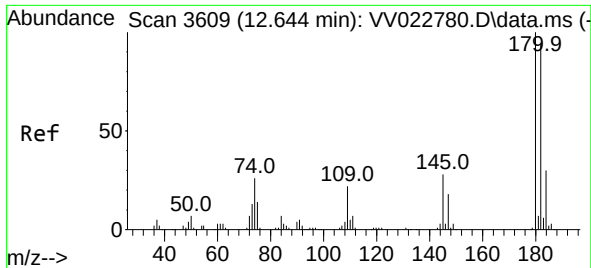
Tgt Ion:146 Resp: 91319  
Ion Ratio Lower Upper  
146 100  
111 40.6 32.3 48.5  
148 65.4 52.1 78.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.987 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion: 75 Resp: 5172  
Ion Ratio Lower Upper  
75 100  
155 96.8 82.4 123.6  
157 125.5 114.1 171.1

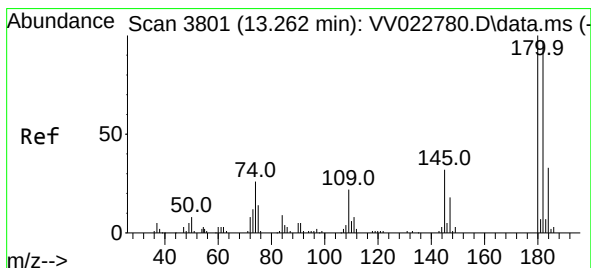
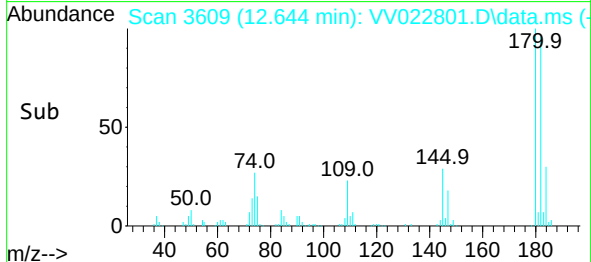
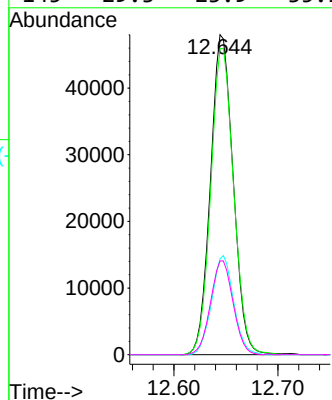
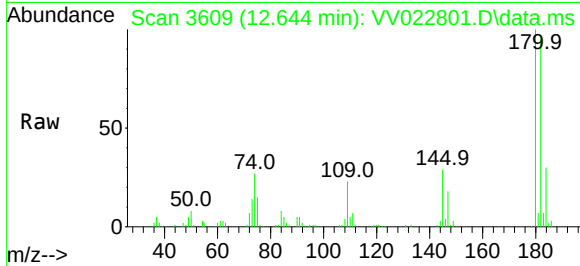




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.303 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. -0.000 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

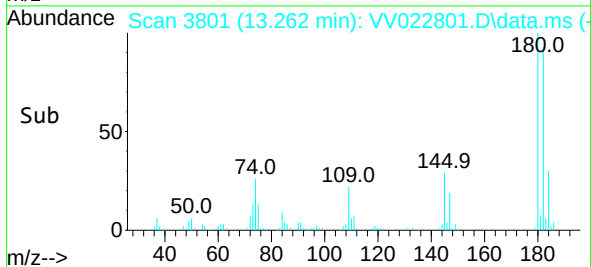
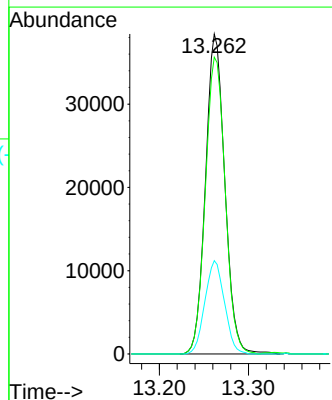
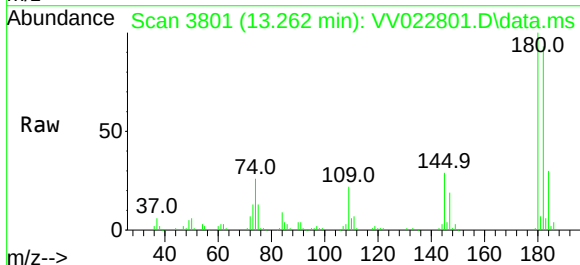
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JDGG4MS

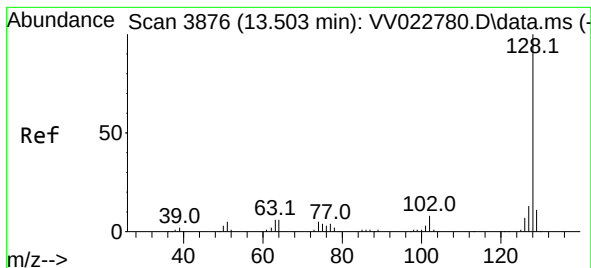
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 72746 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.6  | 77.0  | 115.6 |
| 184       | 30.0  | 24.5  | 36.7  |
| 145       | 29.3  | 23.9  | 35.9  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.509 ug/L  
 RT: 13.262 min Scan# 3801  
 Delta R.T. -0.000 min  
 Lab File: VV022801.D  
 Acq: 14 Oct 2021 18:40

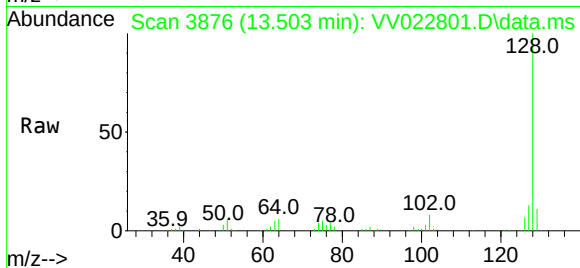
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 57726 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 76.0  | 114.0 |
| 145       | 29.5  | 24.1  | 36.1  |



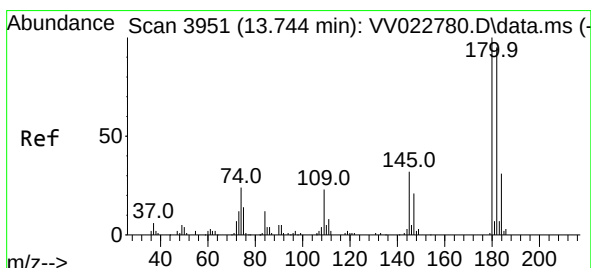
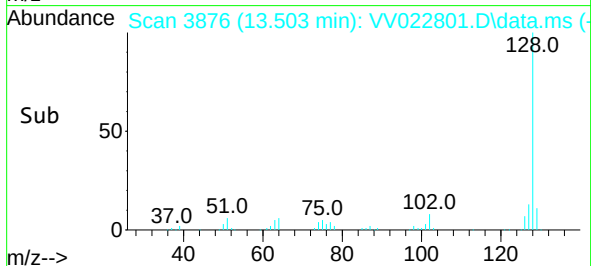
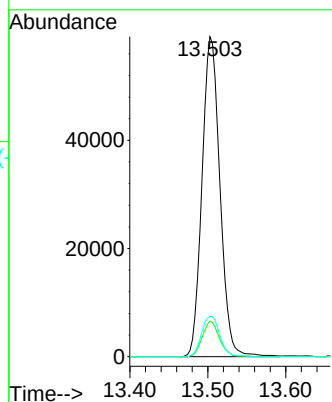


#71  
Naphthalene  
Concen: 5.676 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Instrument :  
MSVOA\_V  
ClientSampleId :  
JDGG4MS



Tgt Ion:128 Resp: 94544  
Ion Ratio Lower Upper  
128 100  
129 10.6 9.3 13.9  
127 12.8 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 5.562 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022801.D  
Acq: 14 Oct 2021 18:40

Tgt Ion:180 Resp: 54962  
Ion Ratio Lower Upper  
180 100  
182 96.2 75.5 113.3  
145 30.8 24.7 37.1

