

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
 Data File : VW022780.D  
 Acq On : 14 Oct 2021 09:43  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

Quant Time: Oct 15 01:51:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 14 02:12:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 125896   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 125731   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 72439    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 35475    | 4.096    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 33269    | 4.274    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 65207    | 3.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.800%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 93397    | 41.123   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 82.240%  |
| 24) Chloroform-d              | 4.346  | 84    | 88978    | 4.985    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 38561    | 4.451    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 32) Benzene-d6                | 5.047  | 84    | 163090   | 4.357    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 50637    | 4.568    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.400%  |
| 41) Toluene-d8                | 7.313  | 98    | 151155   | 4.672    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.400%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 16653    | 4.529    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 74307    | 50.145   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 38441    | 5.119    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 60440    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 48696    | 5.307    | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50    | 51425    | 5.576    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.310  | 62    | 50694    | 5.321    | ug/L   | 99       |
| 6) Bromomethane               | 1.523  | 94    | 31552    | 5.312    | ug/L   | 95       |
| 8) Chloroethane               | 1.584  | 64    | 27284    | 4.628    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 69089    | 4.950    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 39147    | 4.822    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 34473    | 4.533    | ug/L   | 83       |
| 13) Acetone                   | 2.204  | 43    | 57321    | 45.261   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.291  | 76    | 118839   | 5.560    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.442  | 43    | 13216    | 3.647    | ug/L   | 98       |
| 16) Methylene chloride        | 2.507  | 84    | 45675    | 4.363    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 77449    | 4.209    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 43436    | 5.252    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 76705    | 5.150    | ug/L   | 97       |
| 21) 2-Butanone                | 3.982  | 43    | 83055    | 40.053   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 41829    | 4.817    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.249  | 128   | 20041    | 5.195    | ug/L   | 97       |
| 25) Chloroform                | 4.371  | 83    | 78536    | 4.548    | ug/L   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101421\  
 Data File : VV022780.D  
 Acq On : 14 Oct 2021 09:43  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

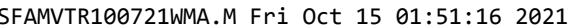
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

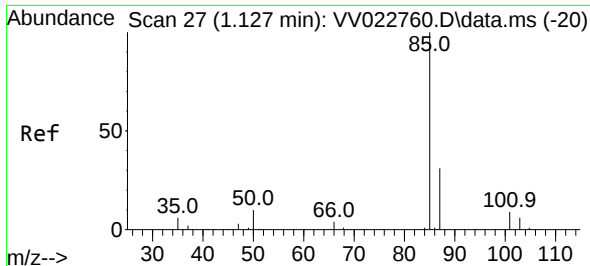
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 14 02:12:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 40842    | 4.739  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 70967    | 4.943  | ug/L   | 99       |
| 30) Cyclohexane               | 4.674  | 56   | 58602    | 4.423  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 63755    | 5.116  | ug/L   | 98       |
| 33) Benzene                   | 5.098  | 78   | 168767   | 4.984  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 41902    | 4.550  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 64967    | 5.036  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 42226    | 5.185  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.510  | 83   | 51591    | 5.141  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 52369    | 4.857  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 194096   | 44.355 | ug/L   | 99       |
| 42) Toluene                   | 7.387  | 91   | 186035   | 5.412  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 44859    | 5.104  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 28570    | 4.727  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.976  | 164  | 39099    | 5.250  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 146390   | 45.753 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 36573    | 5.170  | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 26842    | 4.757  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 118468   | 5.245  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 184643   | 5.290  | ug/L   | 99       |
| 53) m,p-xylene                | 9.140  | 106  | 74840    | 5.464  | ug/L   | 96       |
| 54) o-xylene                  | 9.545  | 106  | 69577    | 5.400  | ug/L   | 95       |
| 55) Styrene                   | 9.561  | 104  | 125472   | 5.651  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 33241    | 5.437  | ug/L   | 100      |
| 59) Bromoform                 | 9.731  | 173  | 19651    | 4.843  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 190166   | 5.168  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 23066    | 4.583  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 150820   | 5.073  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 156503   | 5.261  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 101243   | 5.243  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 98579    | 5.027  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 89454    | 4.938  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5011     | 5.470  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 79788    | 5.485  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 60998    | 5.489  | ug/L   | 100      |
| 71) Naphthalene               | 13.503 | 128  | 86067    | 4.873  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 55088    | 5.257  | ug/L   | 98       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
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QLast Update : Thu Oct 14 02:12:50 2021  
Response via : Initial Calibration

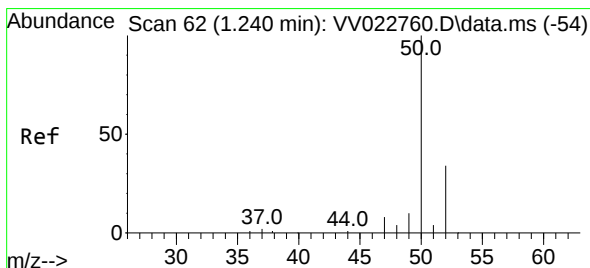
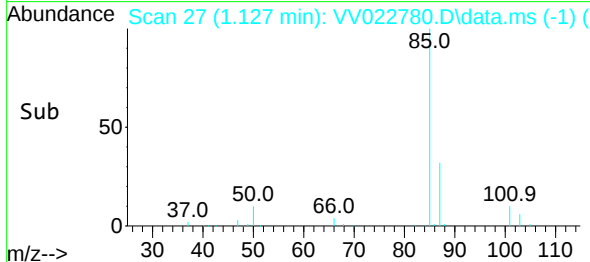
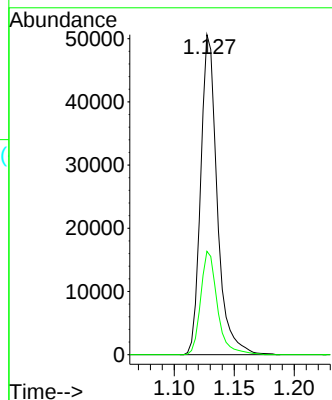
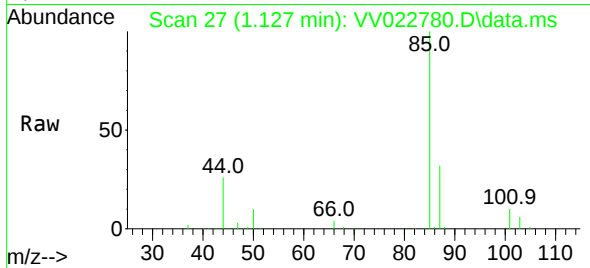




#2  
 Dichlorodifluoromethane  
 Concen: 5.307 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

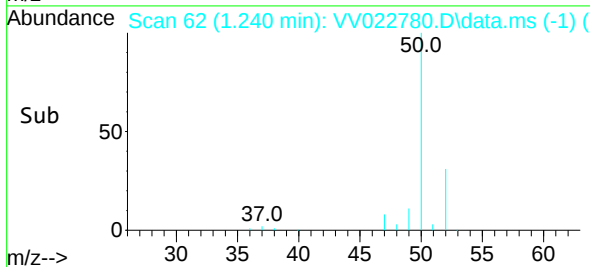
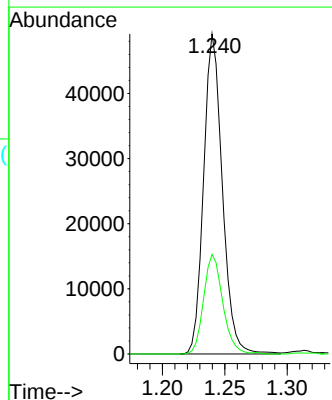
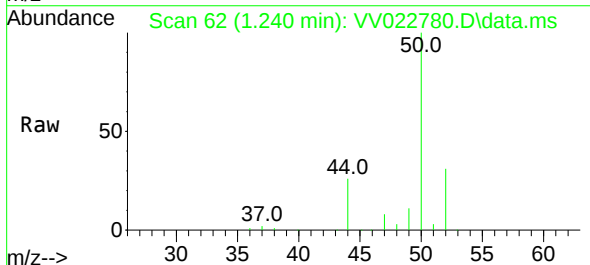
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

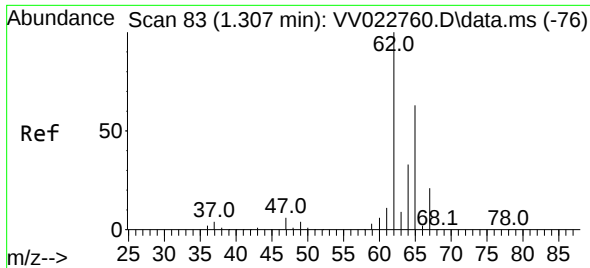
Tgt Ion: 85 Resp: 48696  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.3 39.5



#3  
 Chloromethane  
 Concen: 5.576 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

Tgt Ion: 50 Resp: 51425  
 Ion Ratio Lower Upper  
 50 100  
 52 31.1 22.9 42.5

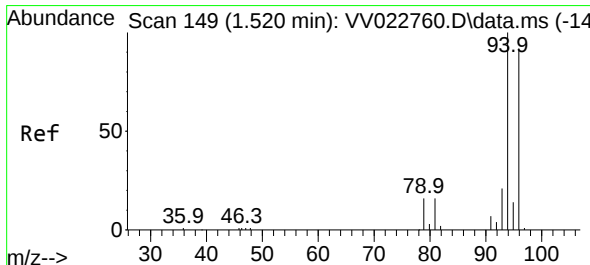
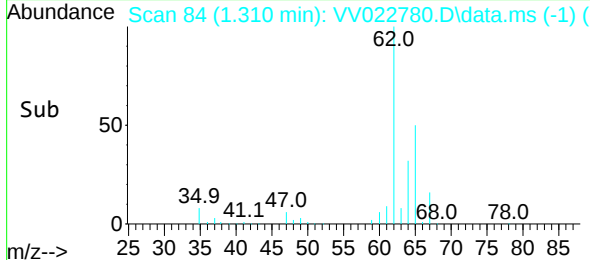
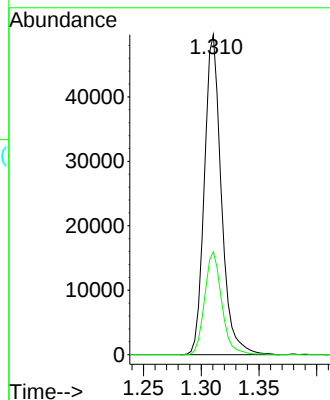
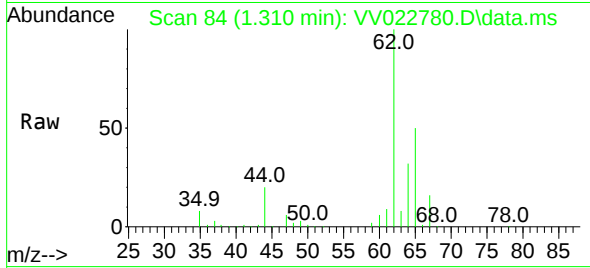




#5  
 Vinyl chloride  
 Concen: 5.321 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

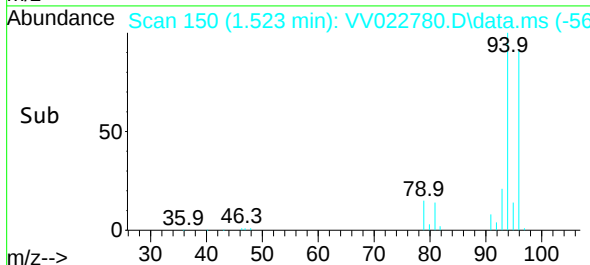
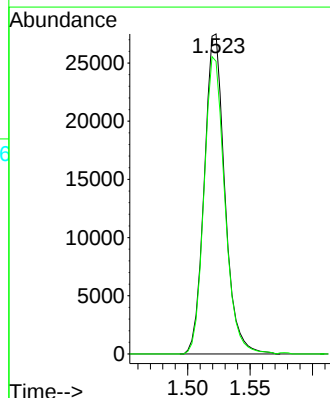
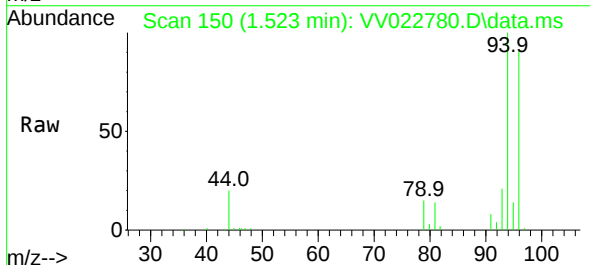
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

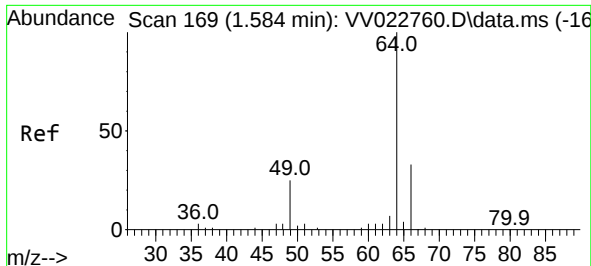
Tgt Ion: 62 Resp: 50694  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 23.0 42.8



#6  
 Bromomethane  
 Concen: 5.312 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.003 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

Tgt Ion: 94 Resp: 31552  
 Ion Ratio Lower Upper  
 94 100  
 96 91.5 67.2 124.8

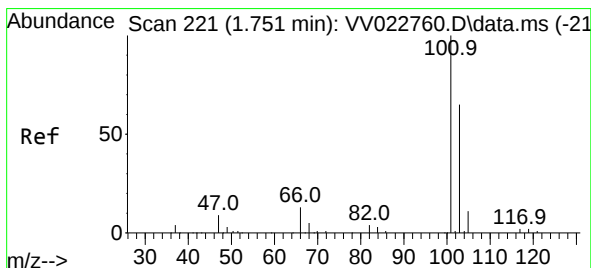
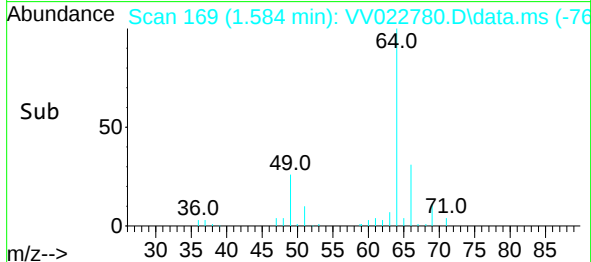
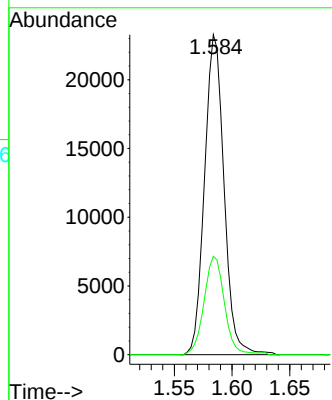
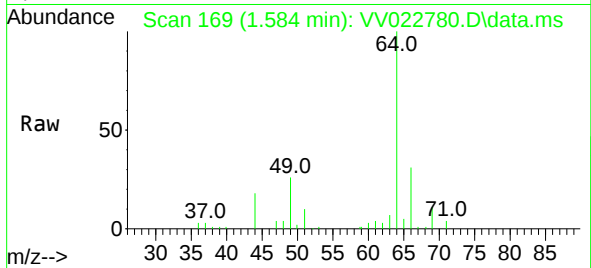




#8  
Chloroethane  
Concen: 4.628 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

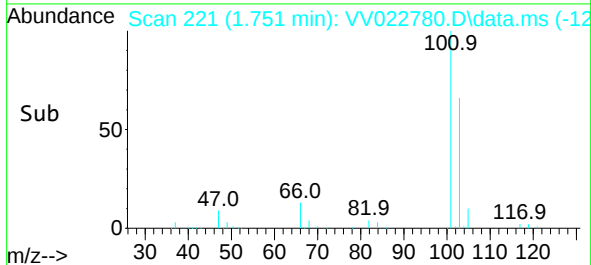
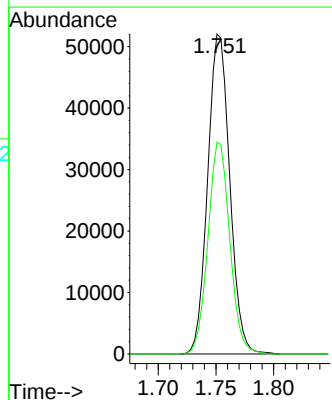
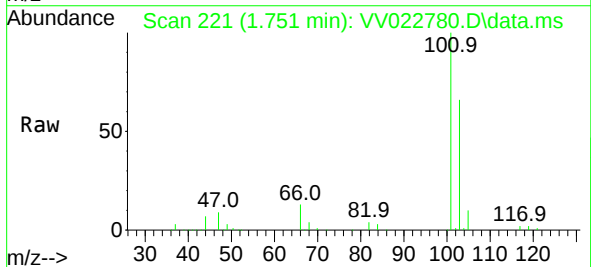
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

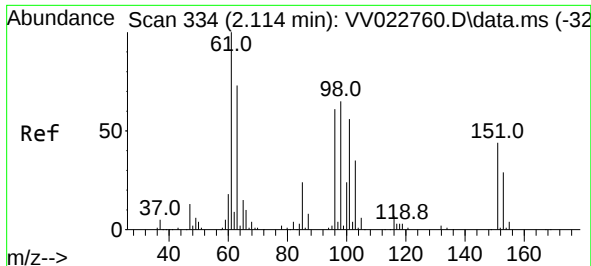
Tgt Ion: 64 Resp: 27284  
Ion Ratio Lower Upper  
64 100  
66 30.8 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 4.950 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion:101 Resp: 69089  
Ion Ratio Lower Upper  
101 100  
103 65.6 50.3 75.5





#10

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

Concen: 4.822 ug/L

RT: 2.114 min Scan# 334

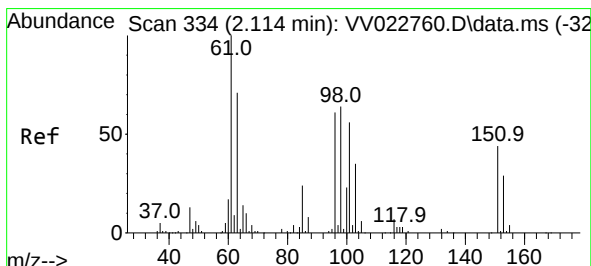
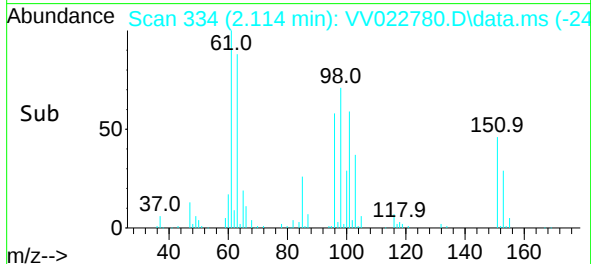
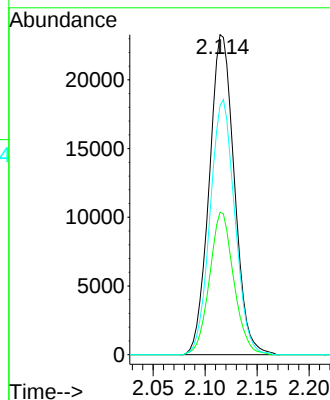
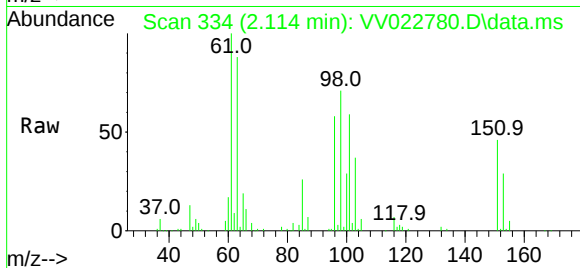
Delta R.T. -0.000 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 39147 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 42.9  | 34.6  | 52.0  |
| 151      | 78.6  | 60.9  | 91.3  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309



#12

1,1-Dichloroethene

Concen: 4.533 ug/L

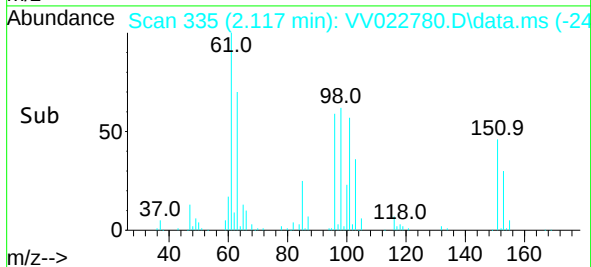
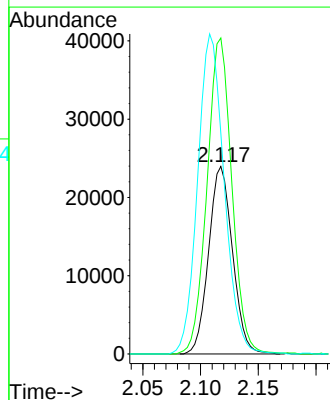
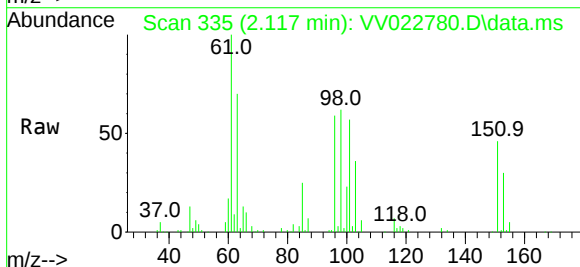
RT: 2.117 min Scan# 335

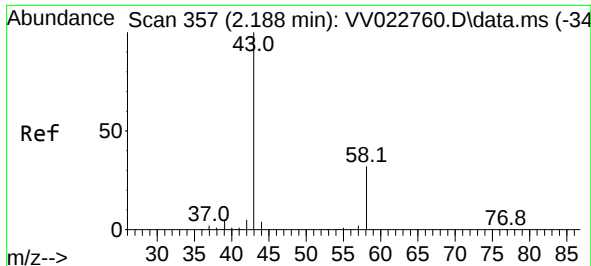
Delta R.T. 0.003 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 34473 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 168.5 | 127.3 | 236.5 |
| 63       | 117.7 | 106.2 | 197.2 |

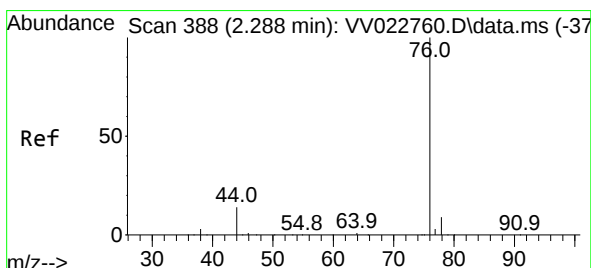
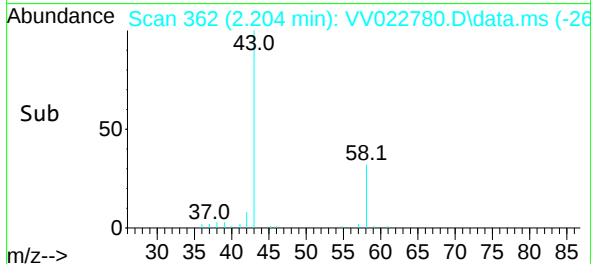
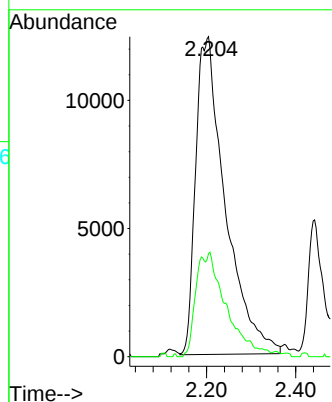
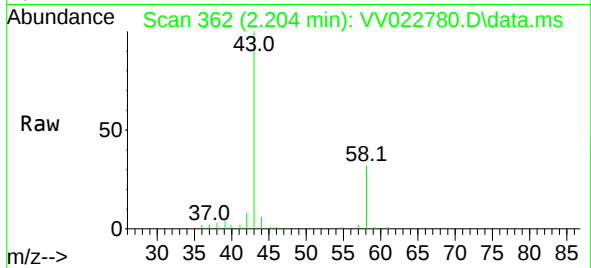




#13  
Acetone  
Concen: 45.261 ug/L  
RT: 2.204 min Scan# 362  
Delta R.T. 0.016 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

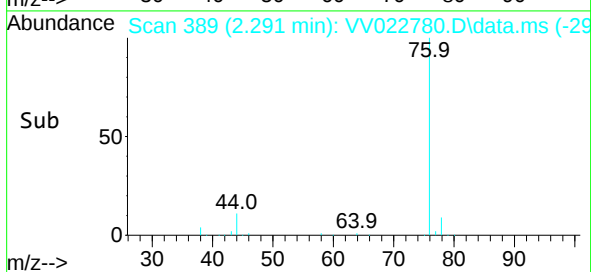
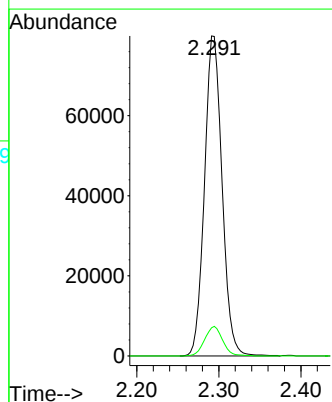
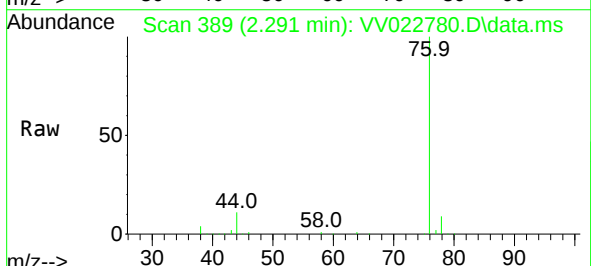
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

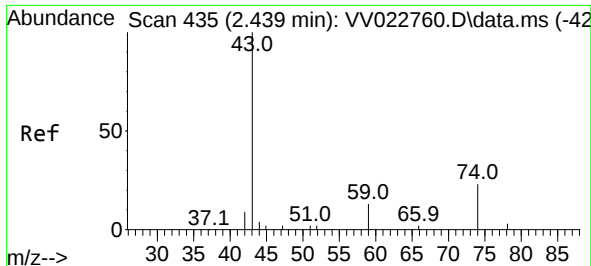
Tgt Ion: 43 Resp: 57321  
Ion Ratio Lower Upper  
43 100  
58 11.6 0.0 24.2



#14  
Carbon disulfide  
Concen: 5.560 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

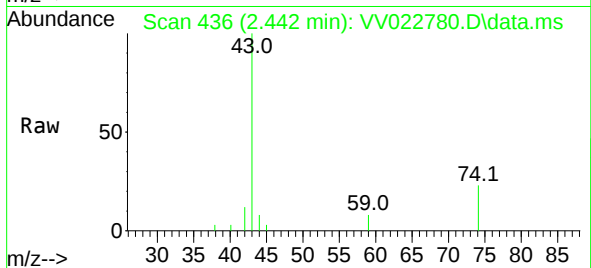
Tgt Ion: 76 Resp: 118839  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



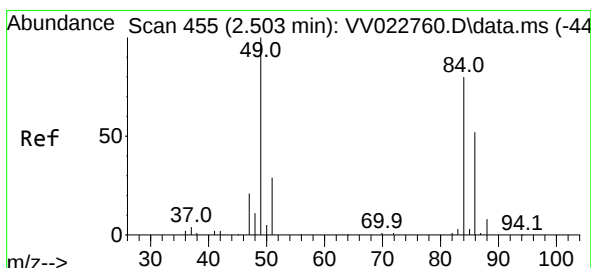
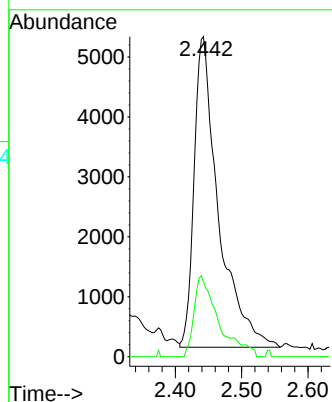
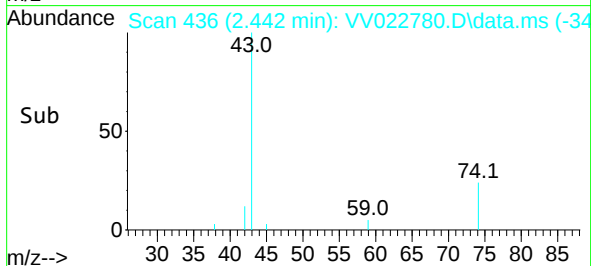


#15  
Methyl Acetate  
Concen: 3.647 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

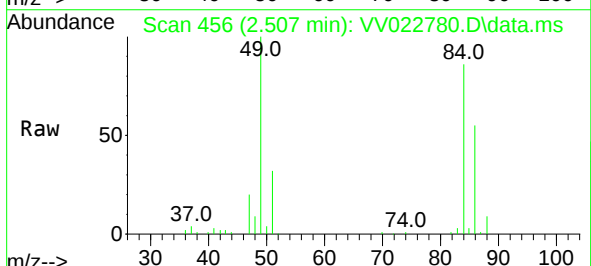
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309



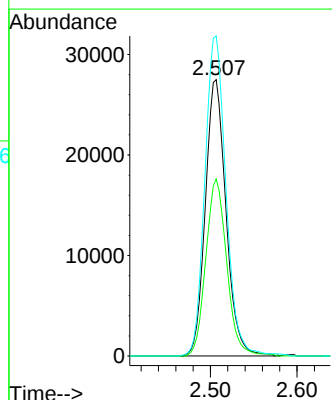
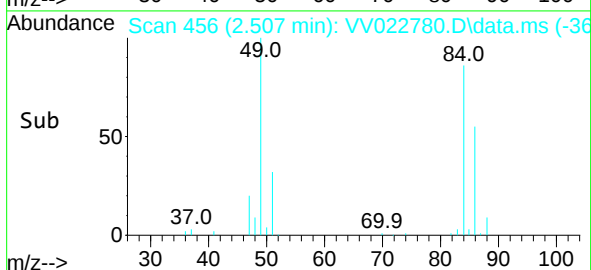
Tgt Ion: 43 Resp: 13216  
Ion Ratio Lower Upper  
43 100  
74 26.1 19.9 29.9

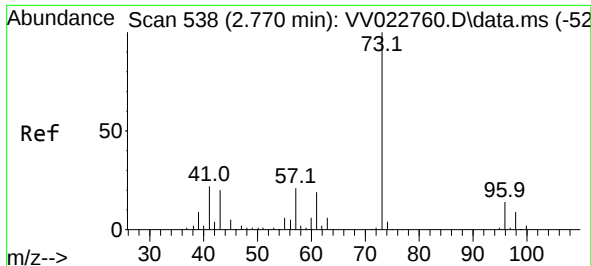


#16  
Methylene chloride  
Concen: 4.363 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43



Tgt Ion: 84 Resp: 45675  
Ion Ratio Lower Upper  
84 100  
86 64.0 45.8 85.2  
49 115.8 90.3 167.7

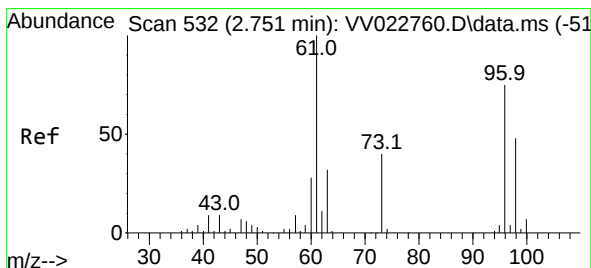
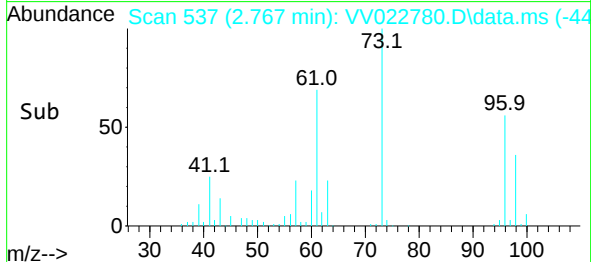
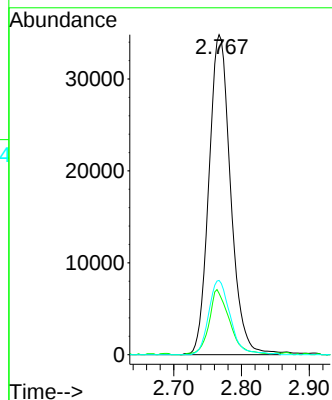
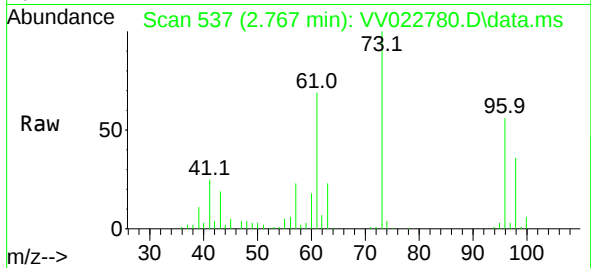




#17  
Methyl tert-butyl Ether  
Concen: 4.209 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

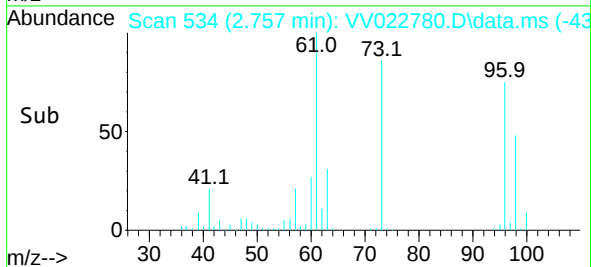
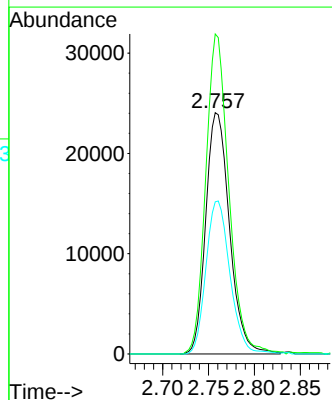
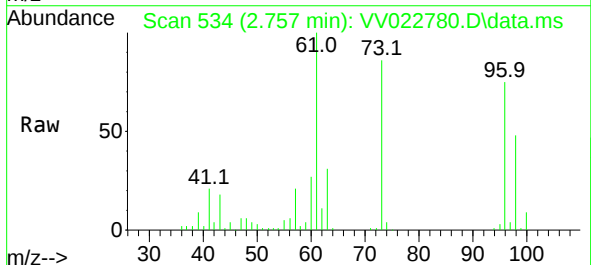
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

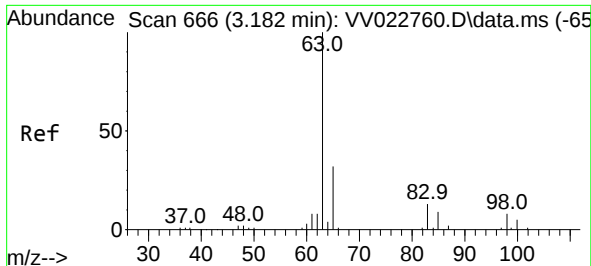
Tgt Ion: 73 Resp: 77449  
Ion Ratio Lower Upper  
73 100  
43 19.3 17.1 25.7  
57 23.0 17.2 25.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.252 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.006 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 96 Resp: 43436  
Ion Ratio Lower Upper  
96 100  
61 132.6 94.5 175.5  
98 63.1 44.2 82.0





#19

1,1-Dichloroethane

Concen: 5.150 ug/L

RT: 3.188 min Scan# 668

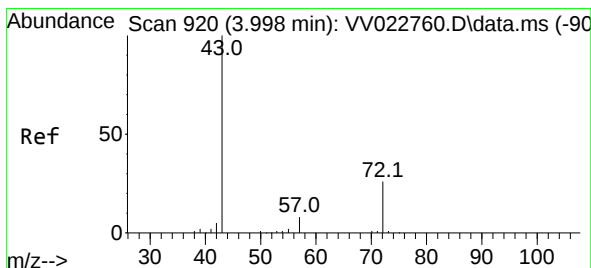
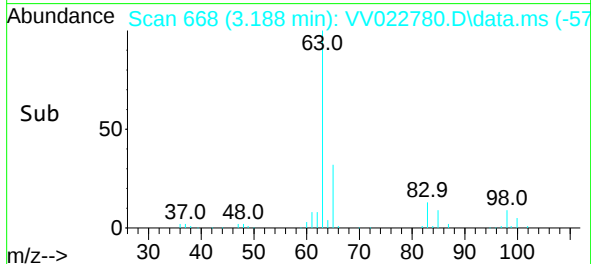
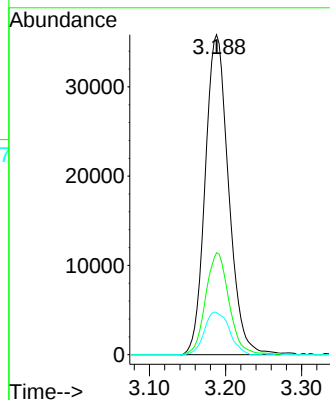
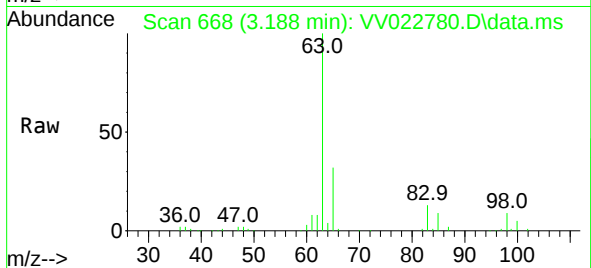
Delta R.T. 0.006 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 76705 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.8  | 23.5  | 43.7  |
| 83       | 13.2  | 10.1  | 18.7  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309



#21

2-Butanone

Concen: 40.053 ug/L

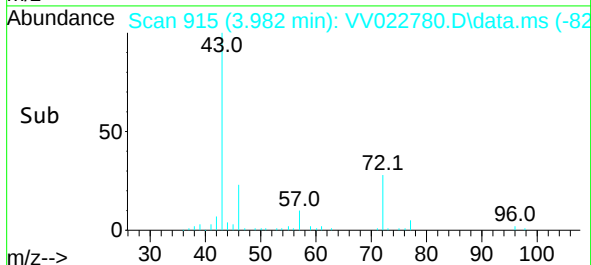
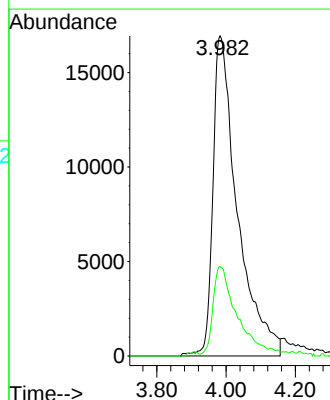
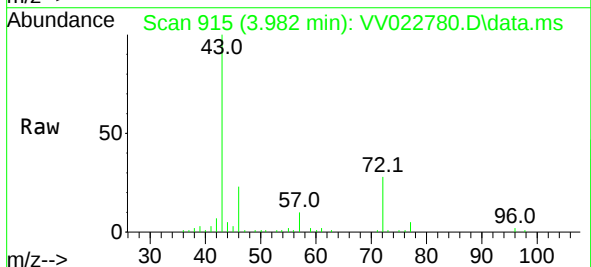
RT: 3.982 min Scan# 915

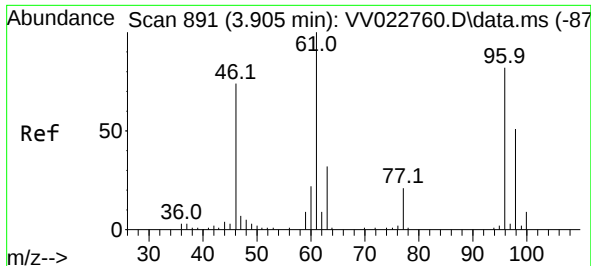
Delta R.T. -0.016 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 83055 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.4  | 12.3  | 36.8  |





#22

cis-1,2-Dichloroethene

Concen: 4.817 ug/L

RT: 3.912 min Scan# 893

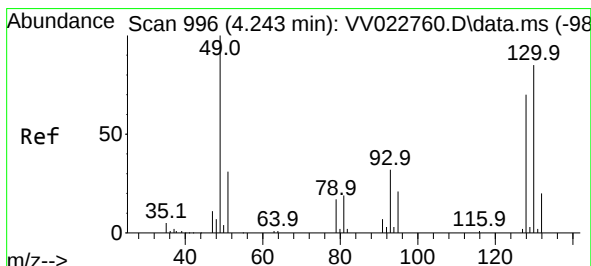
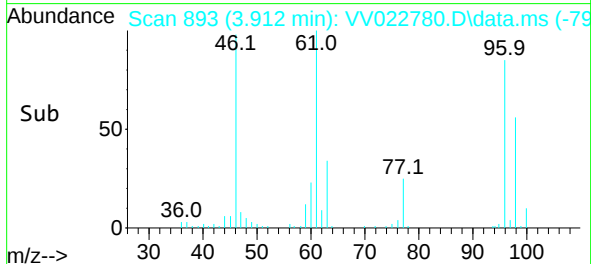
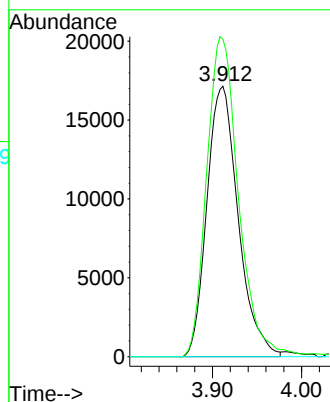
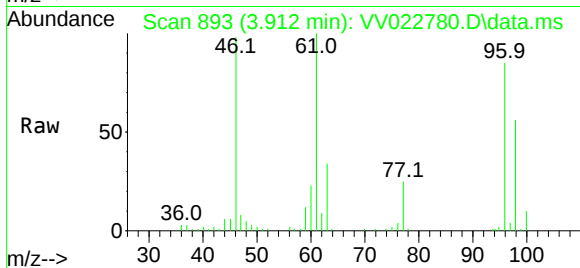
Delta R.T. 0.006 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 96 Resp: 41829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 117.4 | 86.0  | 159.6 |
| 68  | 0.0   | 0.0   | 0.0   |



#23

Bromochloromethane

Concen: 5.195 ug/L

RT: 4.249 min Scan# 998

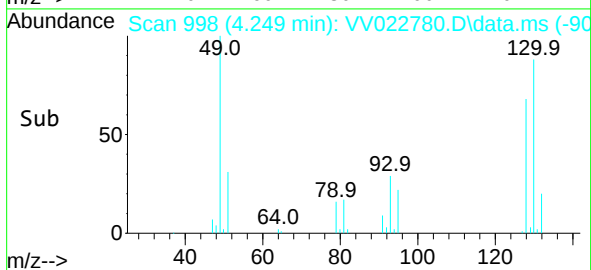
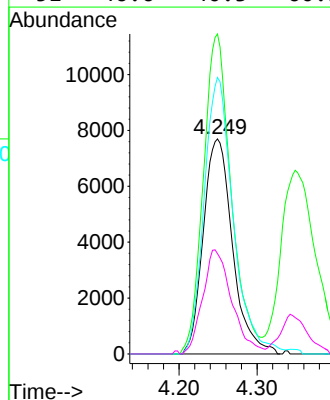
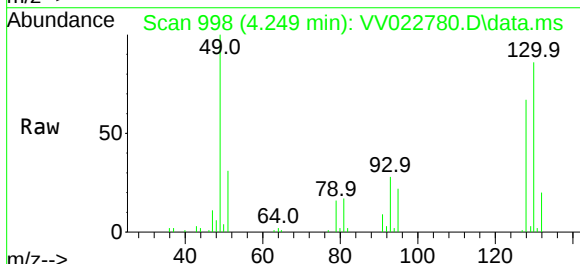
Delta R.T. 0.006 min

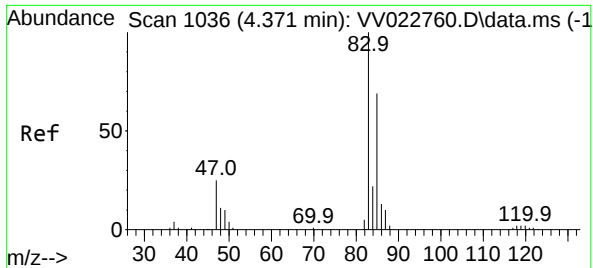
Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 128 Resp: 20041

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 148.8 | 106.9 | 198.5 |
| 130 | 128.5 | 91.9  | 170.7 |
| 51  | 46.6  | 40.3  | 60.5  |





#25

Chloroform

Concen: 4.548 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 83 Resp: 78536

Ion Ratio Lower Upper

83 100

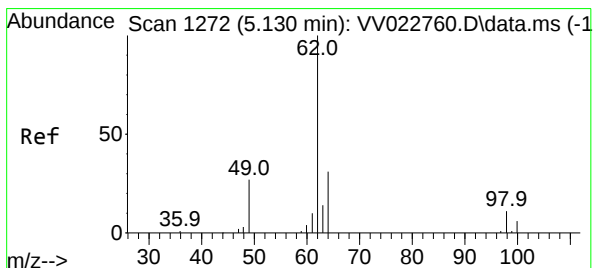
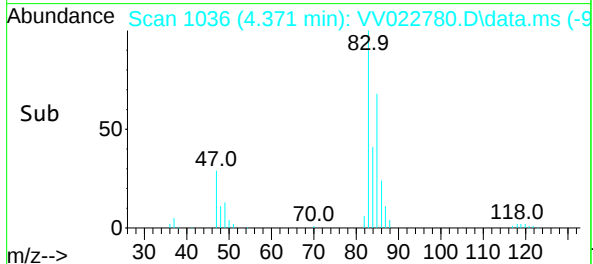
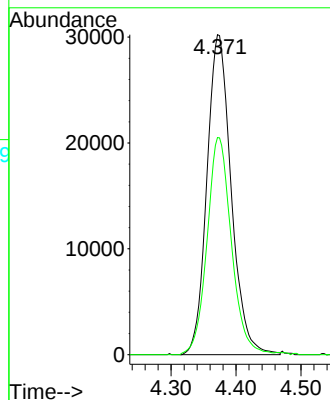
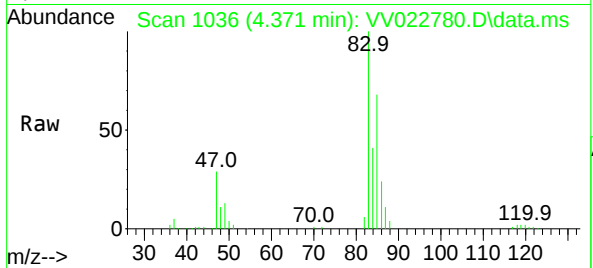
85 67.9 45.7 84.9

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005309



#27

1,2-Dichloroethane

Concen: 4.739 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VV022780.D

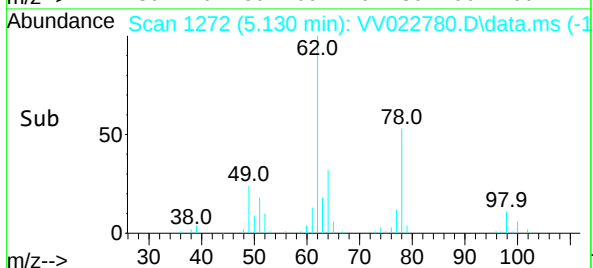
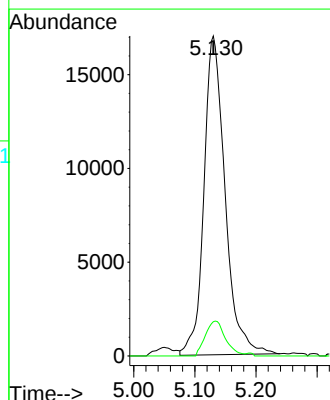
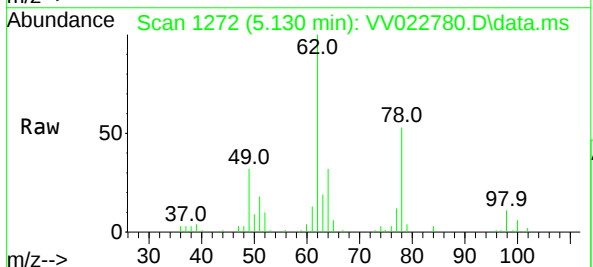
Acq: 14 Oct 2021 09:43

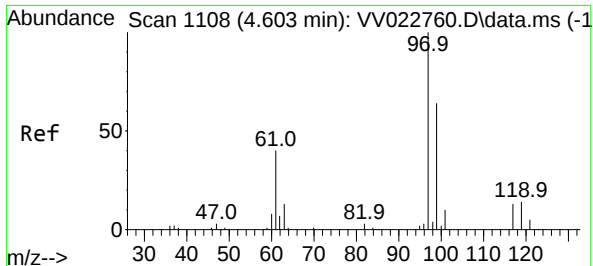
Tgt Ion: 62 Resp: 40842

Ion Ratio Lower Upper

62 100

98 10.7 9.7 14.5





#29

1,1,1-Trichloroethane

Concen: 4.943 ug/L

RT: 4.606 min Scan# 1109

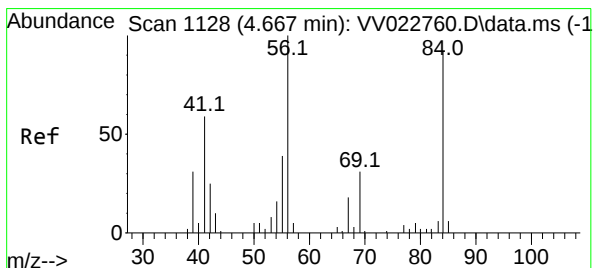
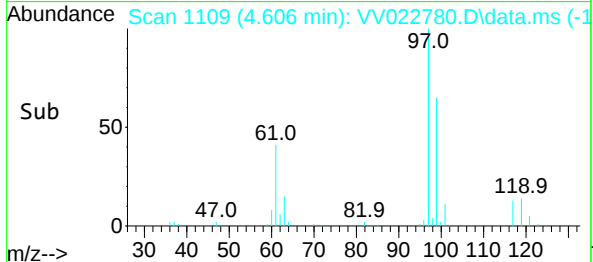
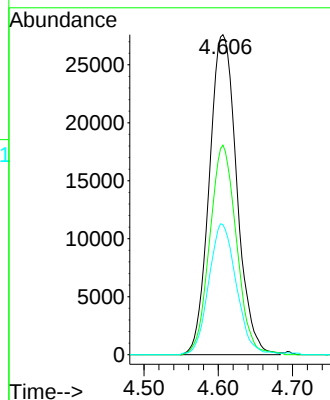
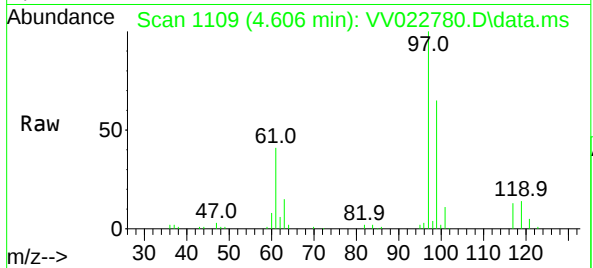
Delta R.T. 0.003 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 97 Resp: 70967

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.6  | 51.2  | 76.8  |
| 61  | 41.0  | 33.2  | 49.8  |



#30

Cyclohexane

Concen: 4.423 ug/L

RT: 4.674 min Scan# 1130

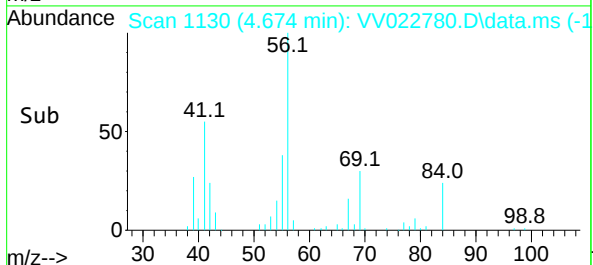
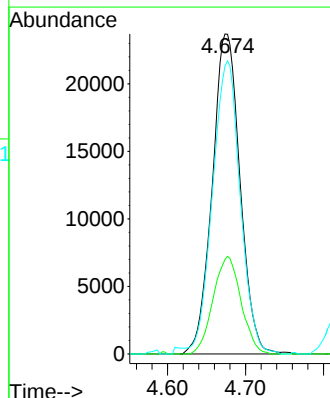
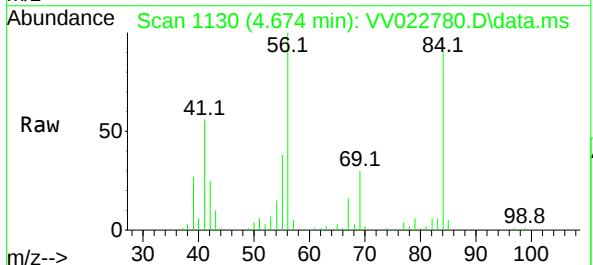
Delta R.T. 0.006 min

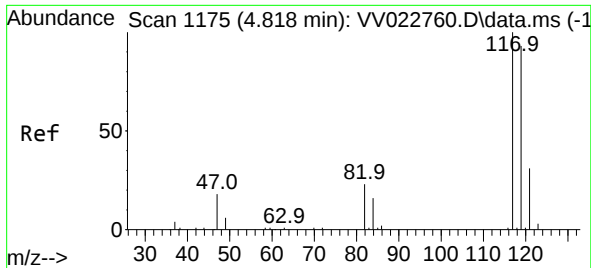
Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 56 Resp: 58602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.6  | 24.9  | 37.3  |
| 84  | 91.7  | 72.5  | 108.7 |

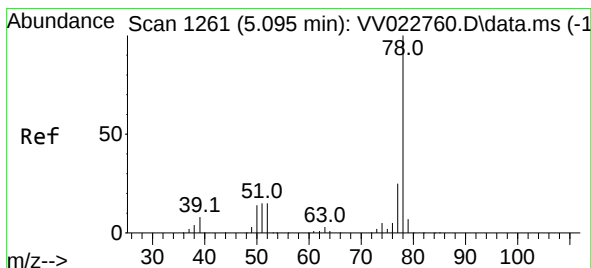
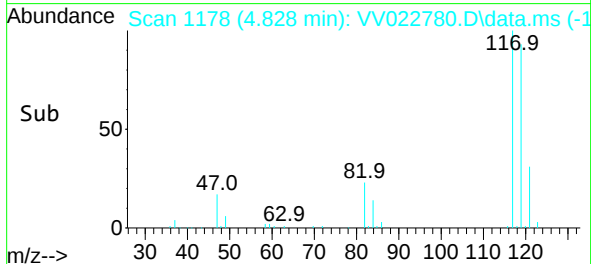
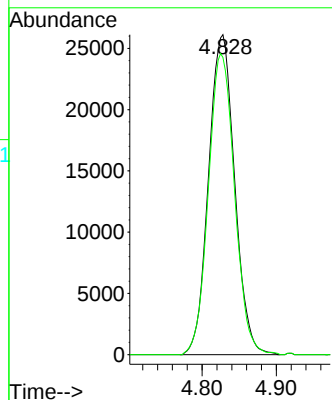
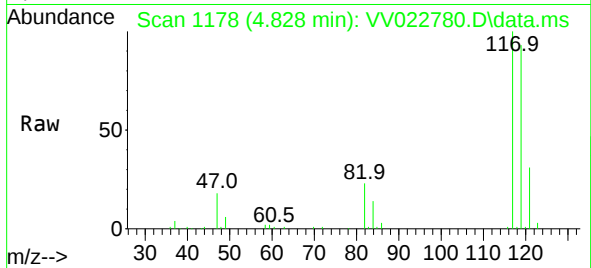




#31  
Carbon tetrachloride  
Concen: 5.116 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.010 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

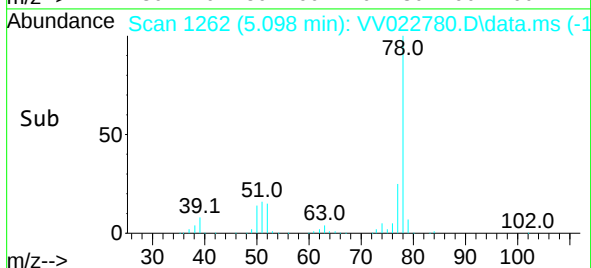
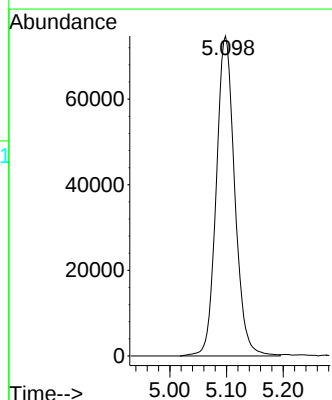
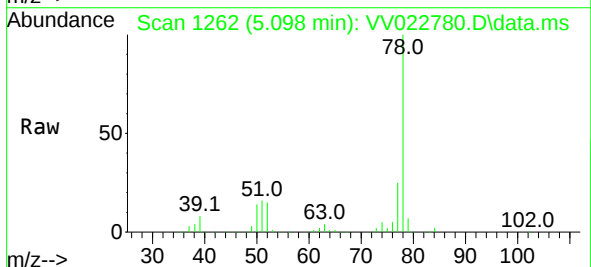
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

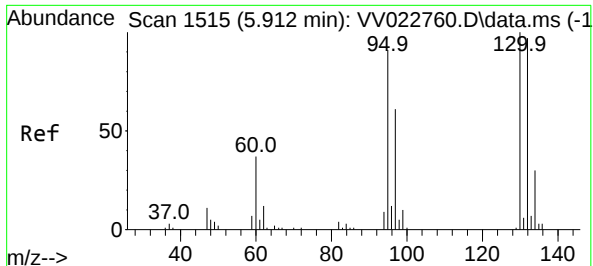
Tgt Ion:117 Resp: 63755  
Ion Ratio Lower Upper  
117 100  
119 94.4 77.4 116.0



#33  
Benzene  
Concen: 4.984 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 78 Resp: 168767





#34

Trichloroethene

Concen: 4.550 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

Tgt Ion: 95 Resp: 41902

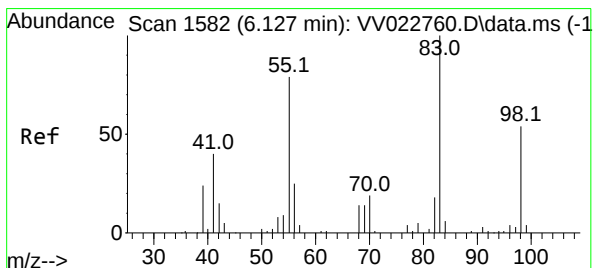
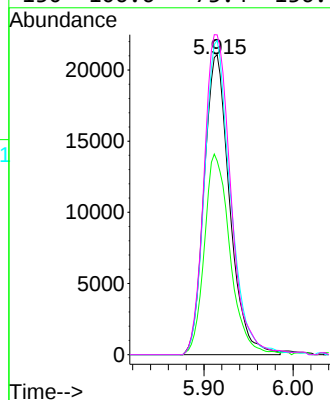
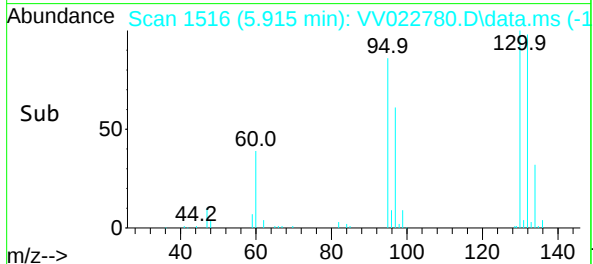
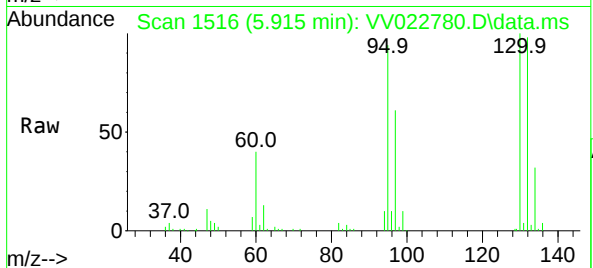
Ion Ratio Lower Upper

95 100

97 64.6 45.8 85.2

132 104.7 72.2 134.0

130 106.6 73.4 136.4



#35

Methylcyclohexane

Concen: 5.036 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

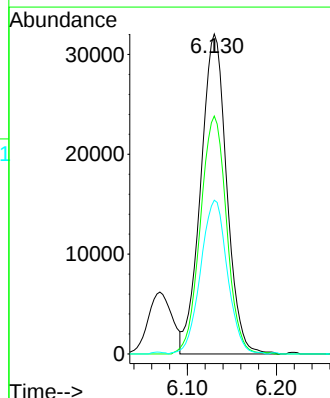
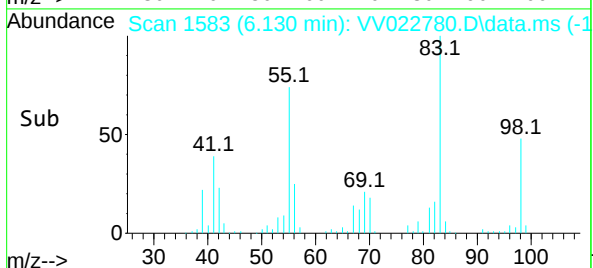
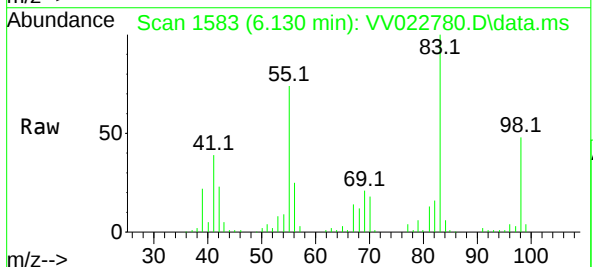
Tgt Ion: 83 Resp: 64967

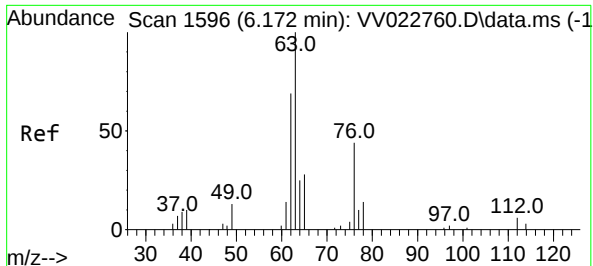
Ion Ratio Lower Upper

83 100

55 74.9 63.8 95.6

98 49.5 42.1 63.1

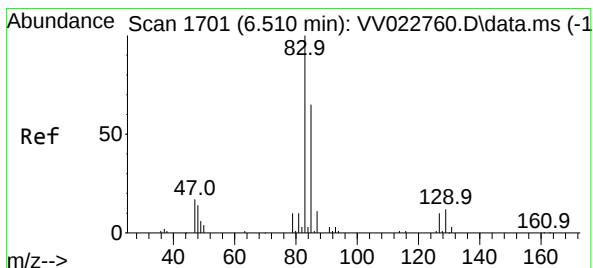
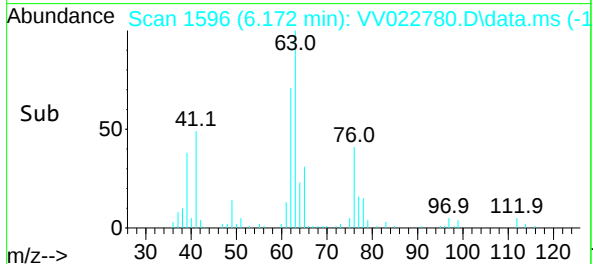
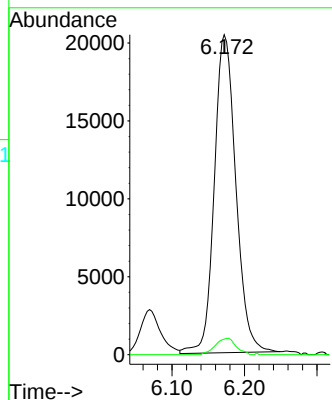
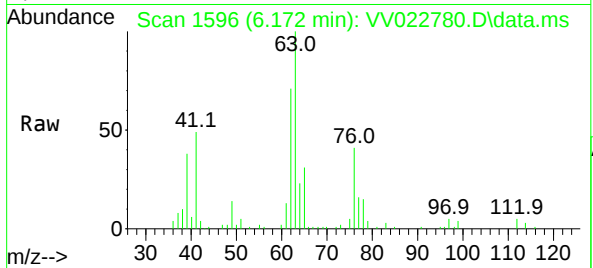




#37  
1,2-Dichloropropane  
Concen: 5.185 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

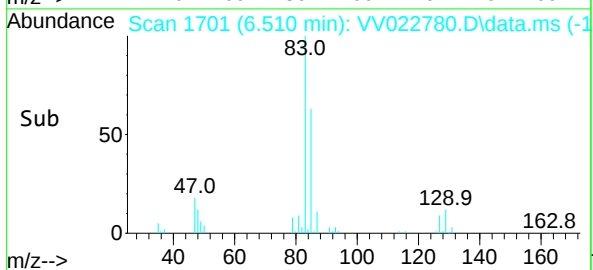
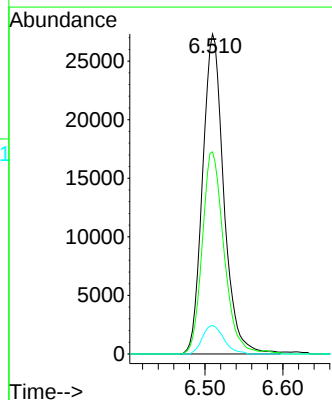
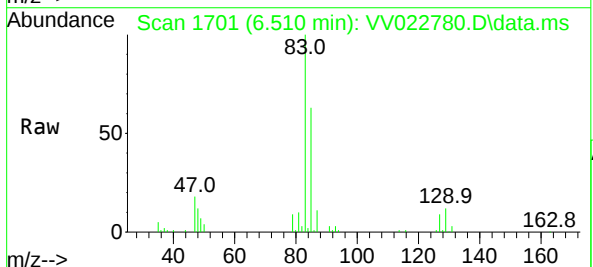
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

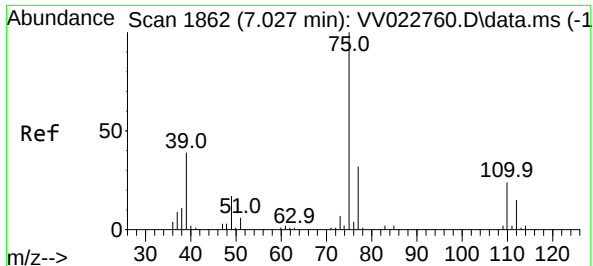
Tgt Ion: 63 Resp: 42226  
Ion Ratio Lower Upper  
63 100  
112 4.9 4.4 6.6



#38  
Bromodichloromethane  
Concen: 5.141 ug/L  
RT: 6.510 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 83 Resp: 51591  
Ion Ratio Lower Upper  
83 100  
85 63.1 44.3 82.3  
127 8.9 7.7 11.5

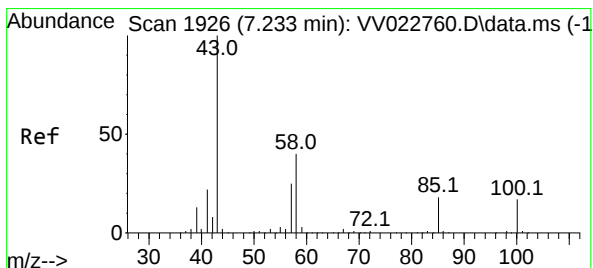
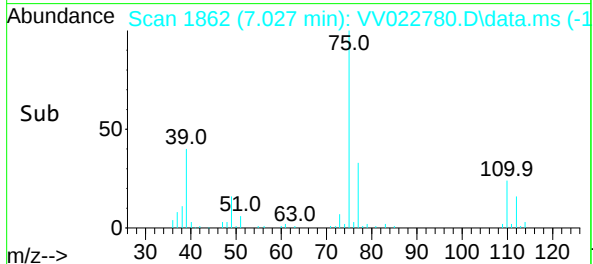
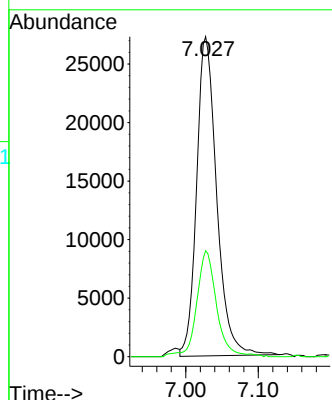
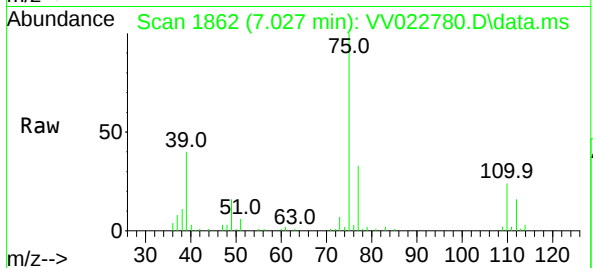




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.857 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

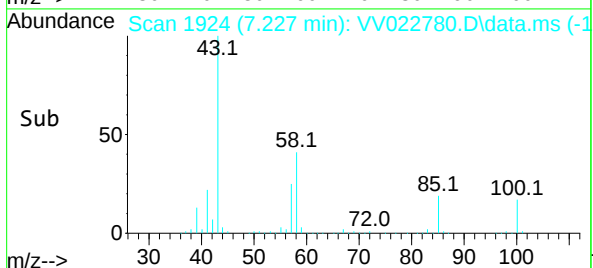
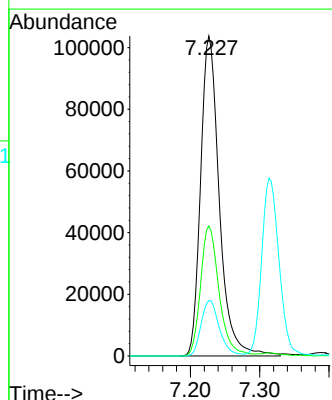
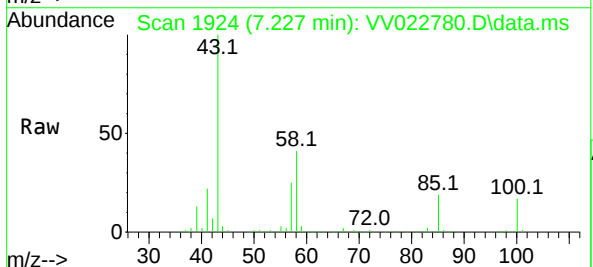
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 VSTD005309

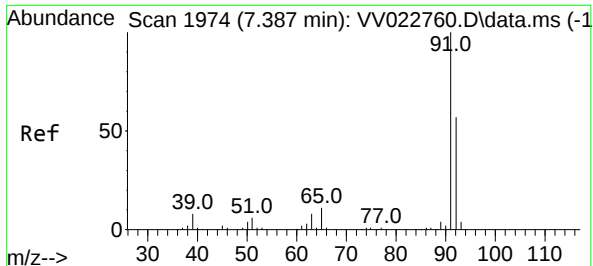
Tgt Ion: 75 Resp: 52369  
 Ion Ratio Lower Upper  
 75 100  
 77 33.1 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 44.355 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. -0.006 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

Tgt Ion: 43 Resp: 194096  
 Ion Ratio Lower Upper  
 43 100  
 58 40.3 32.0 48.0  
 100 16.9 14.2 21.2

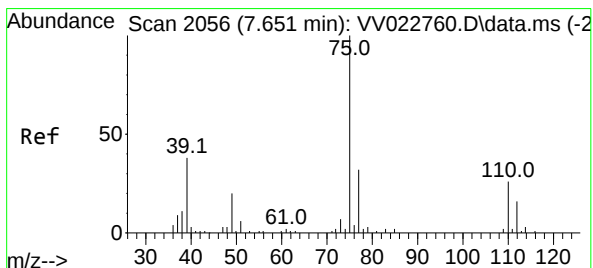
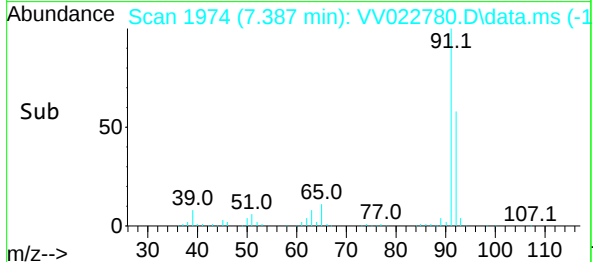
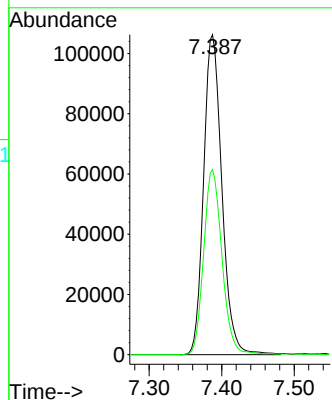
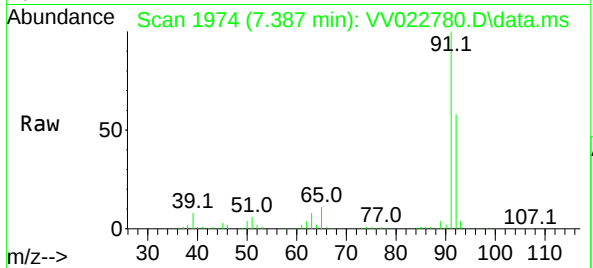




#42  
Toluene  
Concen: 5.412 ug/L  
RT: 7.387 min Scan# 1974  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

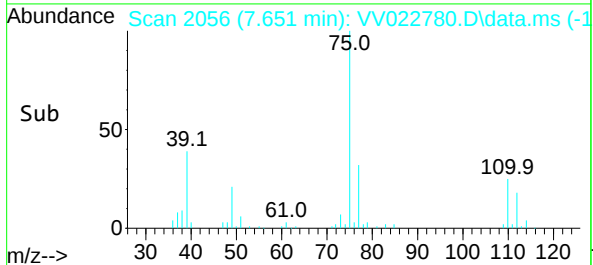
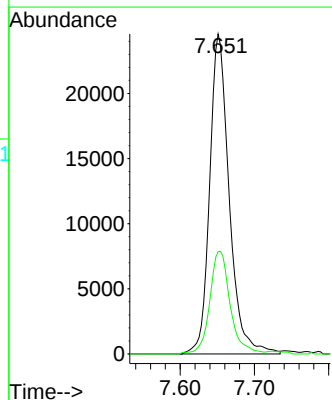
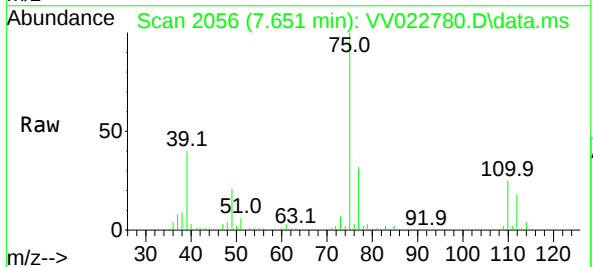
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

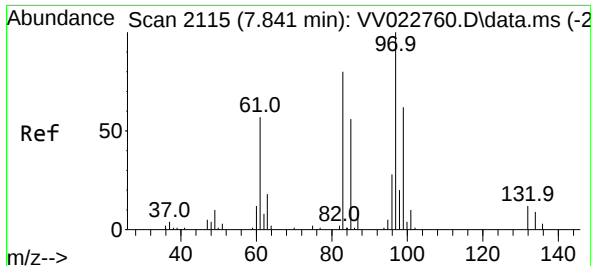
Tgt Ion: 91 Resp: 186035  
Ion Ratio Lower Upper  
91 100  
92 57.9 40.7 75.7



#44  
trans-1,3-Dichloropropene  
Concen: 5.104 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 75 Resp: 44859  
Ion Ratio Lower Upper  
75 100  
77 32.0 23.9 44.5



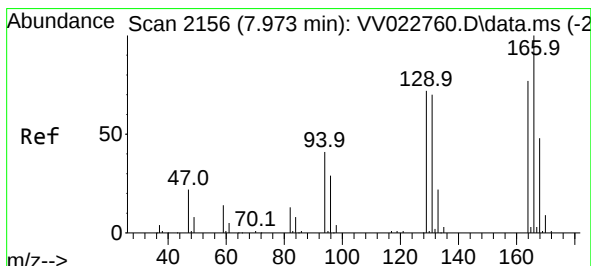
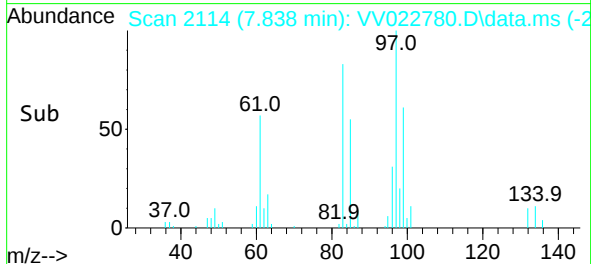
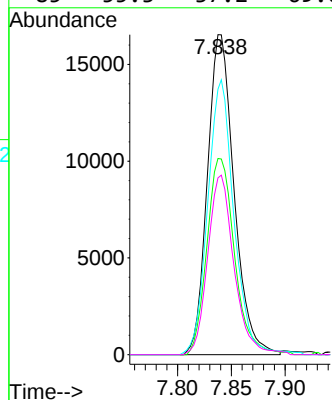
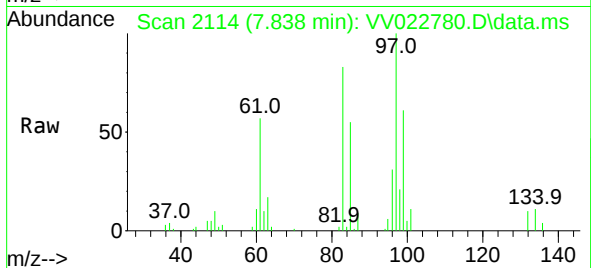


#45

1,1,2-Trichloroethane  
Concen: 4.727 ug/L  
RT: 7.838 min Scan# 2114  
Delta R.T. -0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

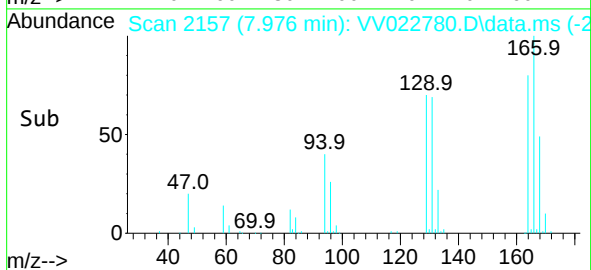
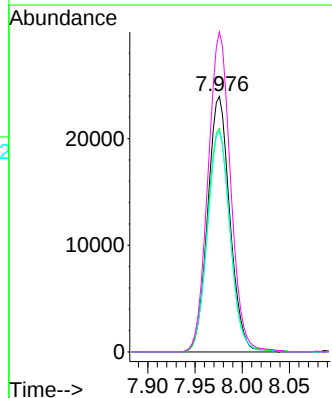
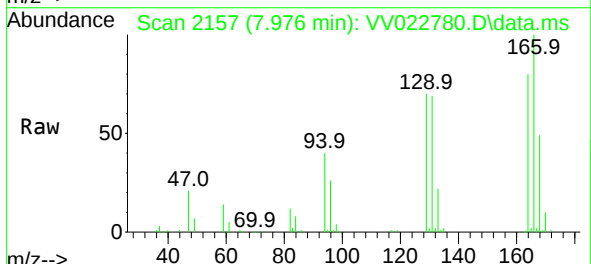
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 28570 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.3  | 44.5  | 82.7  |
| 83       | 83.0  | 56.6  | 105.0 |
| 85       | 55.3  | 37.2  | 69.0  |

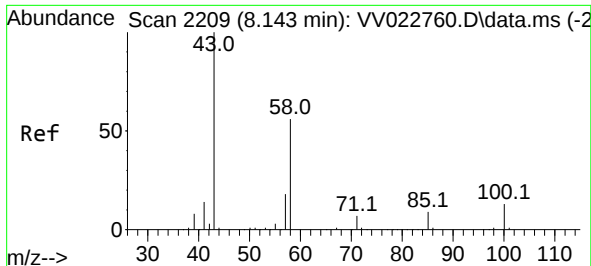


#47

Tetrachloroethene  
Concen: 5.250 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 39099 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 87.4  | 65.0  | 120.6 |
| 131      | 86.5  | 62.2  | 115.4 |
| 166      | 125.2 | 89.2  | 165.8 |



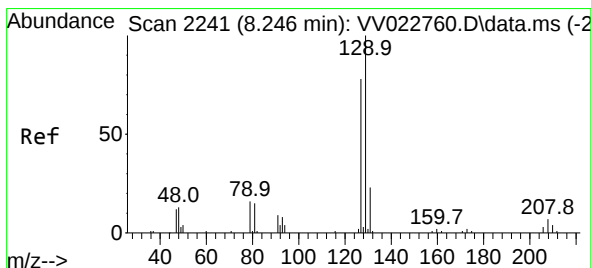
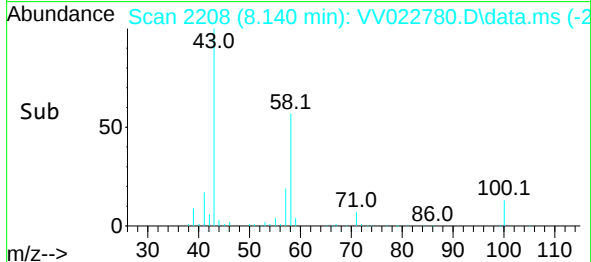
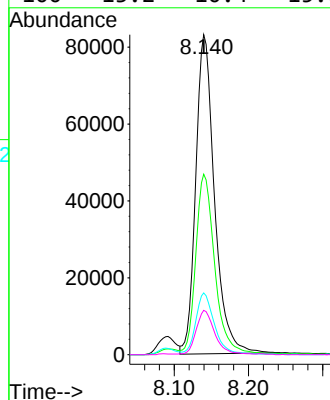
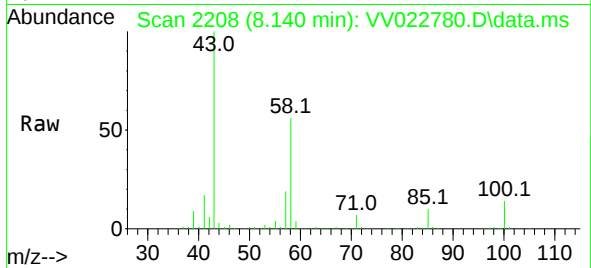


#48  
2-Hexanone  
Concen: 45.753 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. -0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

Tgt Ion: 43 Resp: 146390

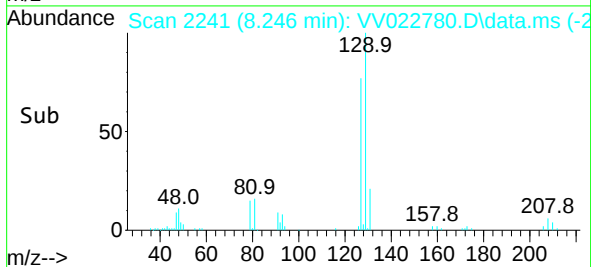
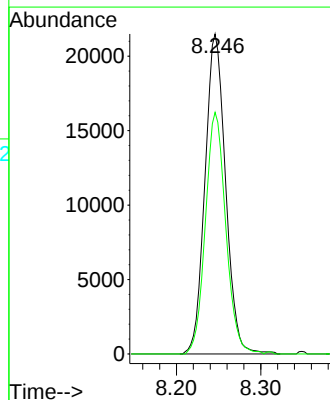
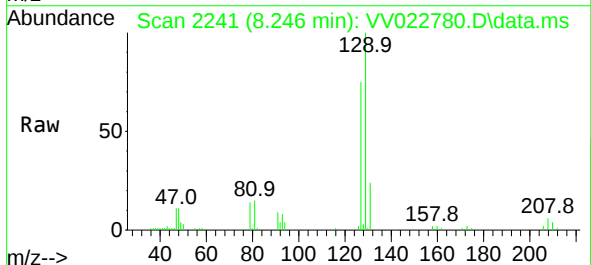
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.0  | 47.4  | 71.0  |
| 57  | 18.9  | 15.3  | 22.9  |
| 100 | 13.2  | 10.4  | 15.6  |

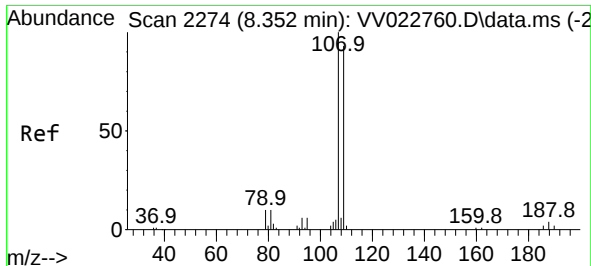


#49  
Dibromochloromethane  
Concen: 5.170 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 129 Resp: 36573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.5  | 59.1  | 109.9 |





#50

1,2-Dibromoethane

Concen: 4.757 ug/L

RT: 8.352 min Scan# 2274

Delta R.T. -0.000 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

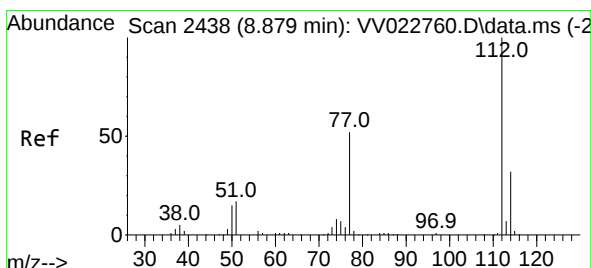
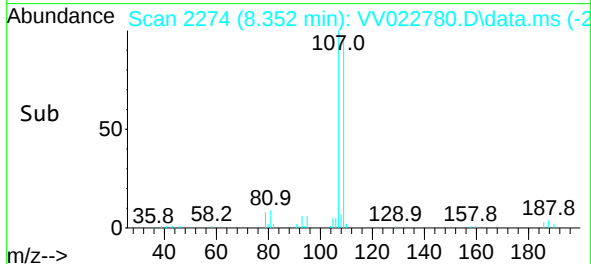
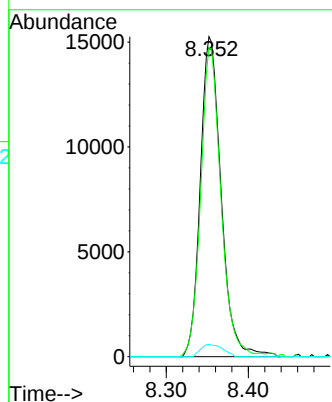
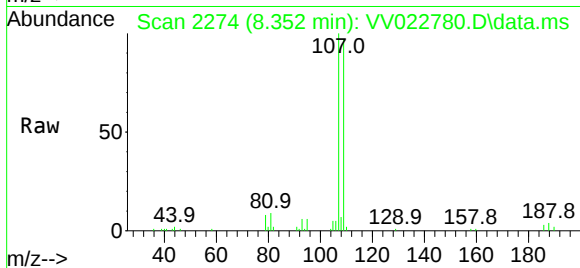
Instrument :

MSVOA\_V

ClientSampleId :

VSTD005309

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 26842 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 96.8  | 67.1  | 124.5 |
| 188       | 3.8   | 3.4   | 5.0   |



#51

Chlorobenzene

Concen: 5.245 ug/L

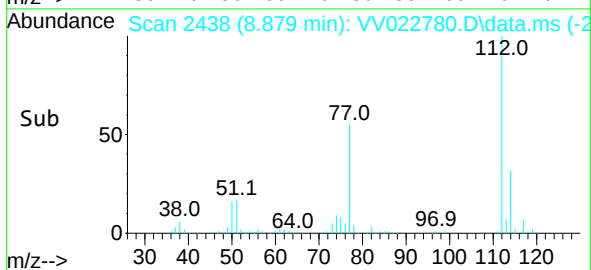
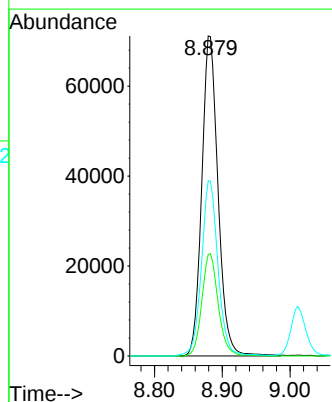
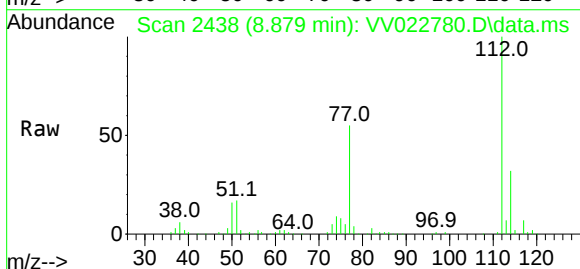
RT: 8.879 min Scan# 2438

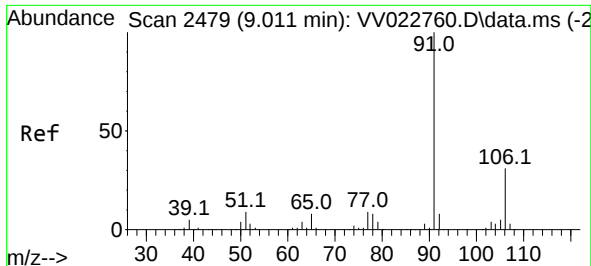
Delta R.T. -0.000 min

Lab File: VV022780.D

Acq: 14 Oct 2021 09:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 118468 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 114       | 31.7  | 21.6  | 40.2   |
| 77        | 54.7  | 43.7  | 65.5   |

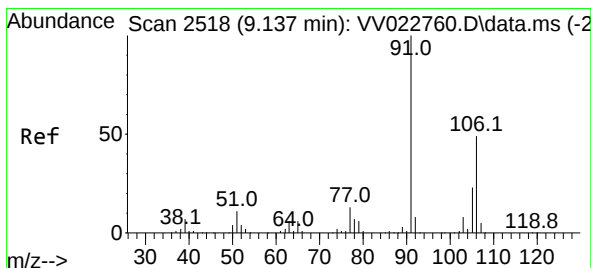
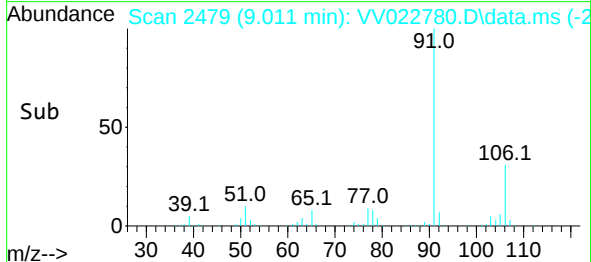
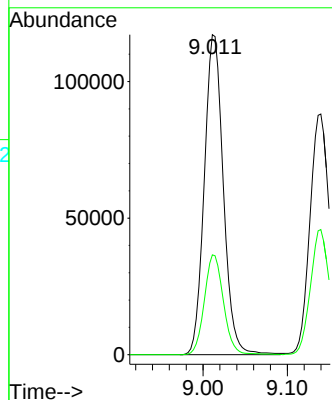
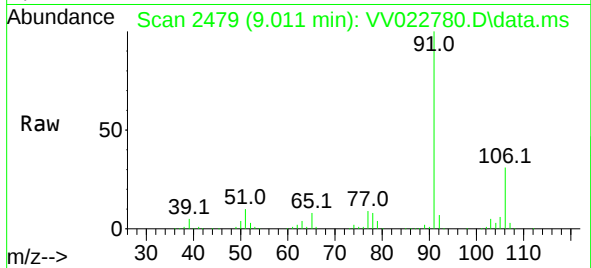




#52  
Ethylbenzene  
Concen: 5.290 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

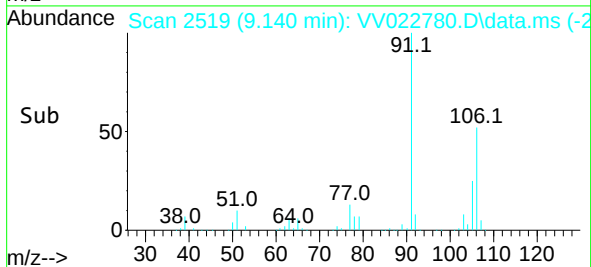
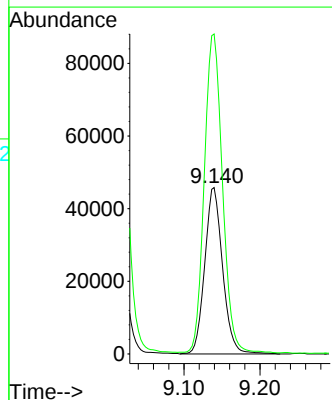
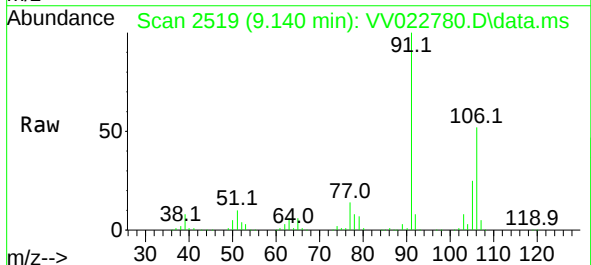
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

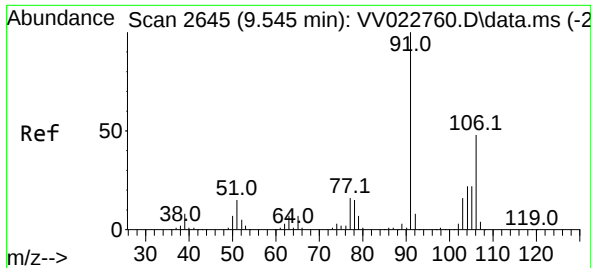
Tgt Ion: 91 Resp: 184643  
Ion Ratio Lower Upper  
91 100  
106 31.2 21.6 40.2



#53  
m,p-xylene  
Concen: 5.464 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 106 Resp: 74840  
Ion Ratio Lower Upper  
106 100  
91 192.3 138.7 257.5

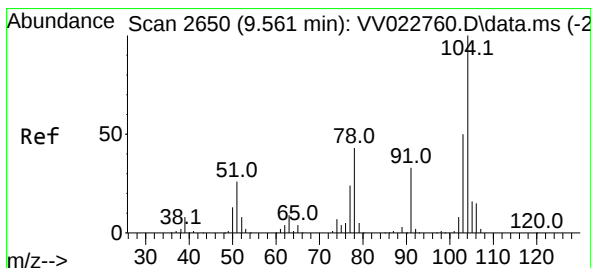
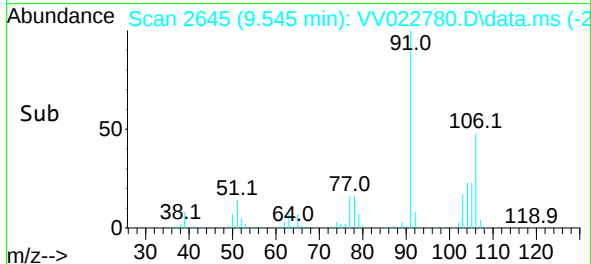
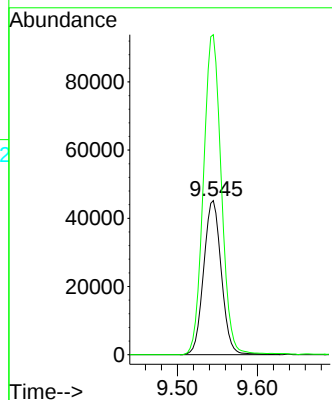
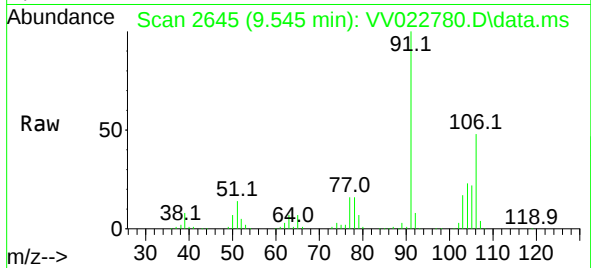




#54  
o-xylene  
Concen: 5.400 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

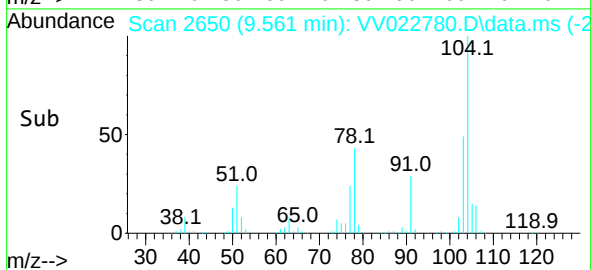
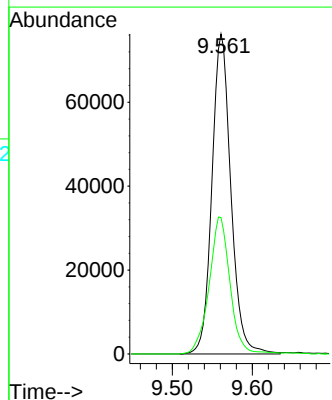
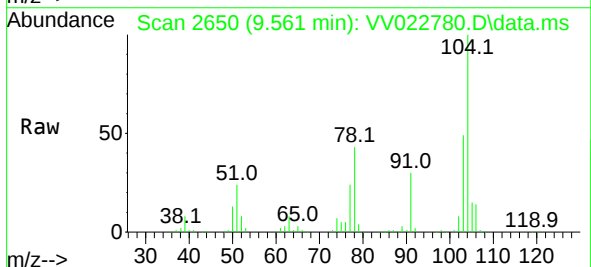
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

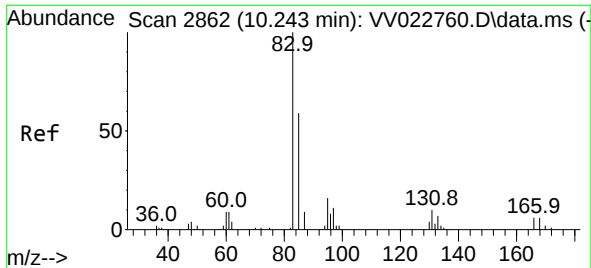
Tgt Ion:106 Resp: 69577  
Ion Ratio Lower Upper  
106 100  
91 207.7 151.1 280.7



#55  
Styrene  
Concen: 5.651 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion:104 Resp: 125472  
Ion Ratio Lower Upper  
104 100  
78 42.6 29.5 54.7

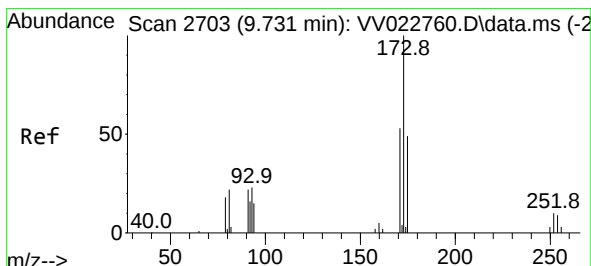
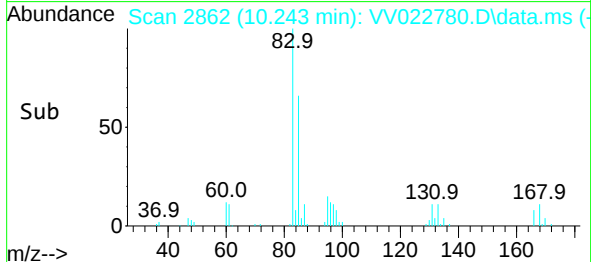
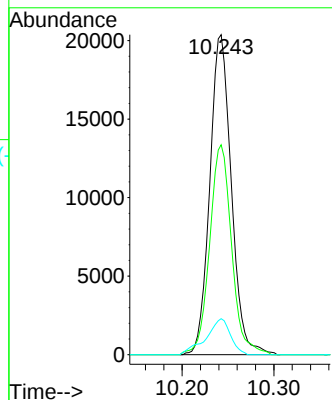
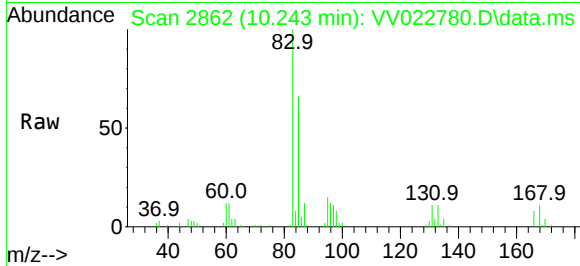




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.437 ug/L  
 RT: 10.243 min Scan# 2862  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

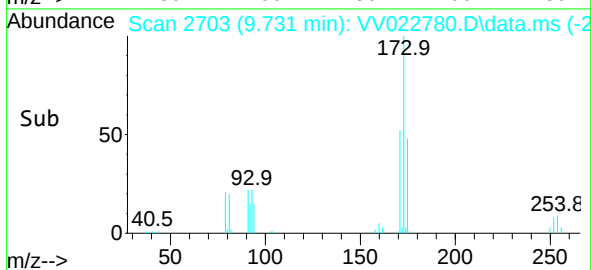
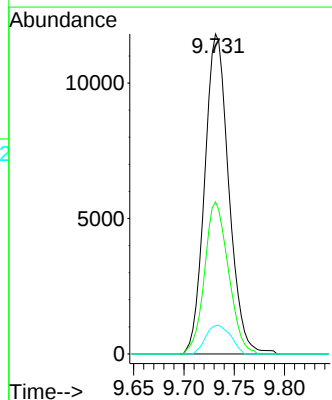
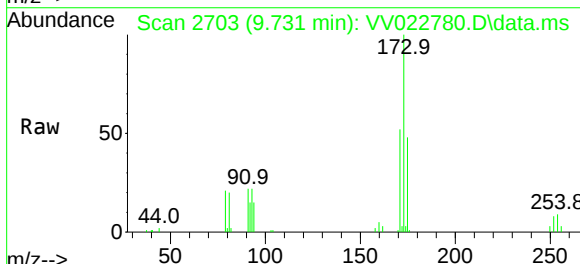
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

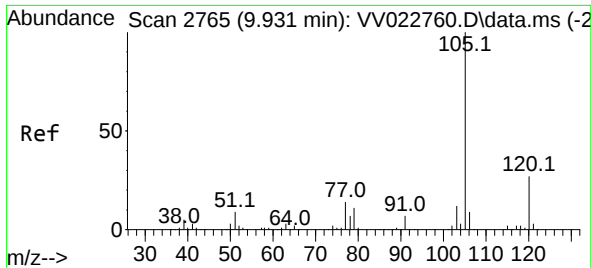
Tgt Ion: 83 Resp: 33241  
 Ion Ratio Lower Upper  
 83 100  
 85 65.6 46.0 85.4  
 131 11.2 8.4 12.6



#59  
 Bromoform  
 Concen: 4.843 ug/L  
 RT: 9.731 min Scan# 2703  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

Tgt Ion: 173 Resp: 19651  
 Ion Ratio Lower Upper  
 173 100  
 175 47.2 38.3 57.5  
 254 9.2 7.1 10.7

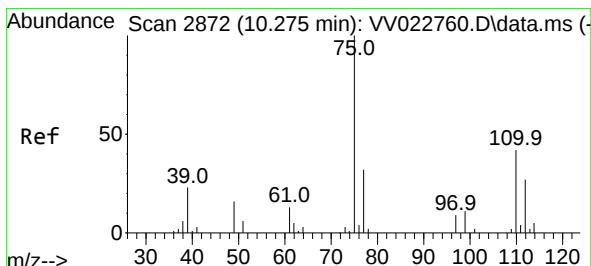
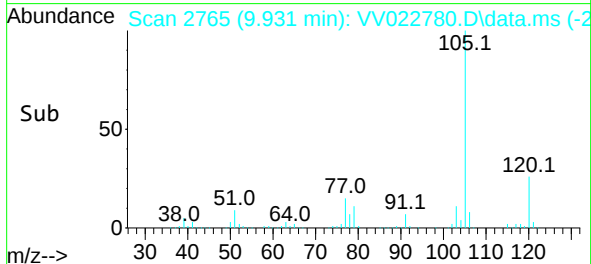
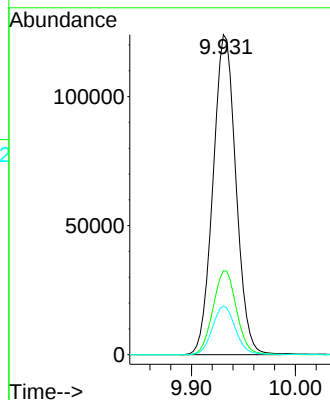
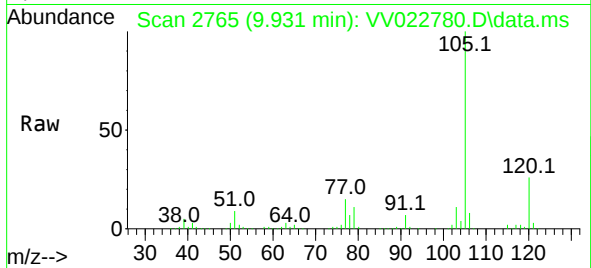




#60  
Isopropylbenzene  
Concen: 5.168 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

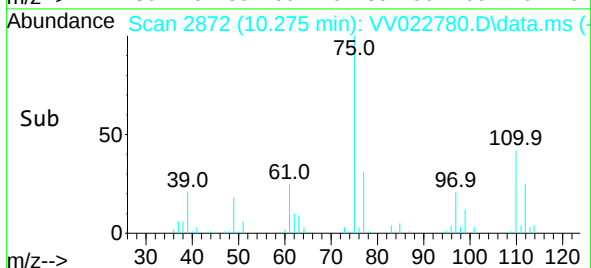
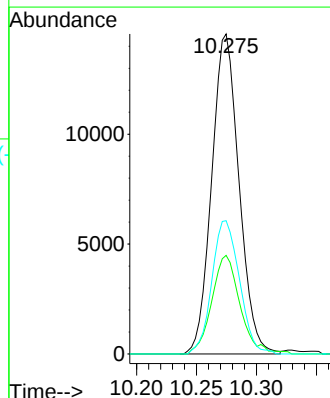
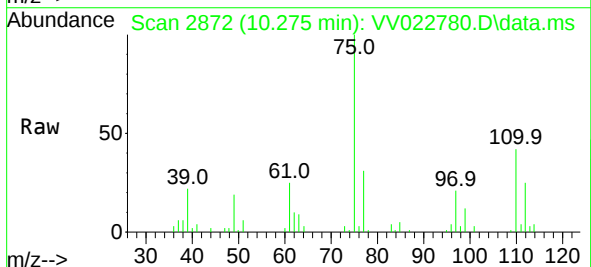
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

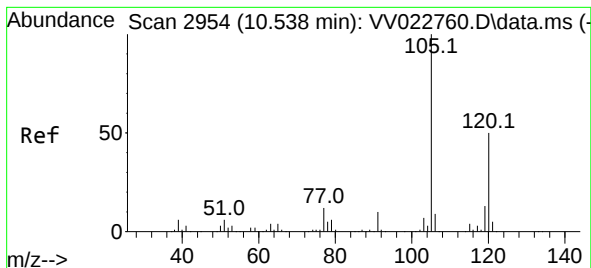
Tgt Ion:105 Resp: 190166  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.8 32.8  
77 15.3 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 4.583 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 75 Resp: 23066  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.2  
110 42.0 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 5.073 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV022780.D

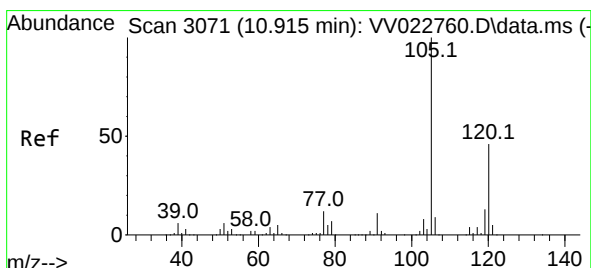
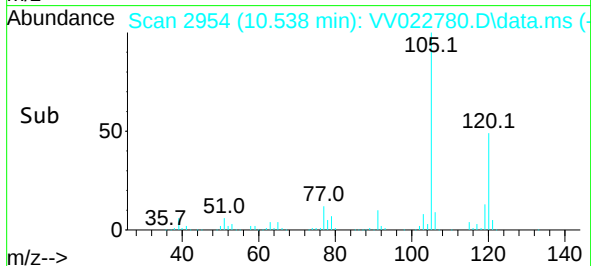
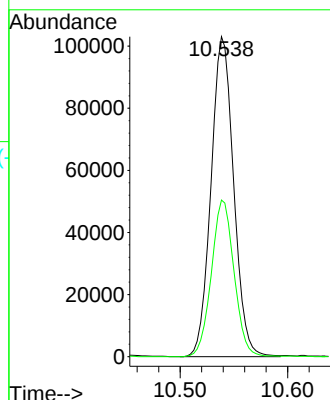
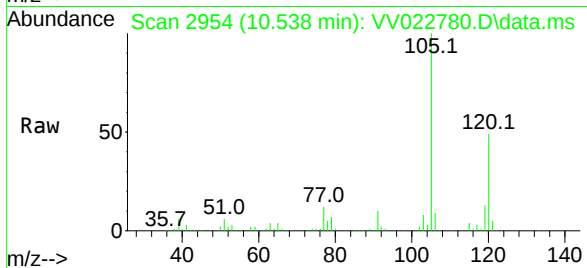
Acq: 14 Oct 2021 09:43

Tgt Ion:105 Resp: 150820

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 5.261 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV022780.D

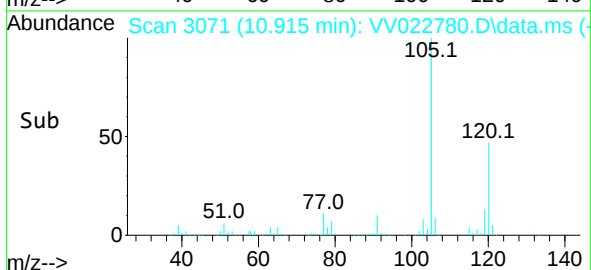
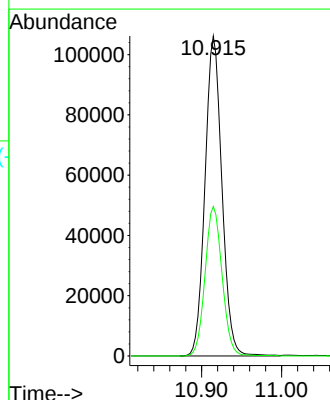
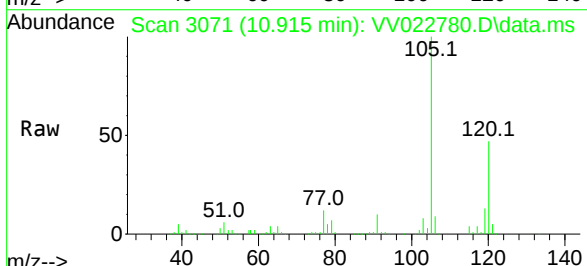
Acq: 14 Oct 2021 09:43

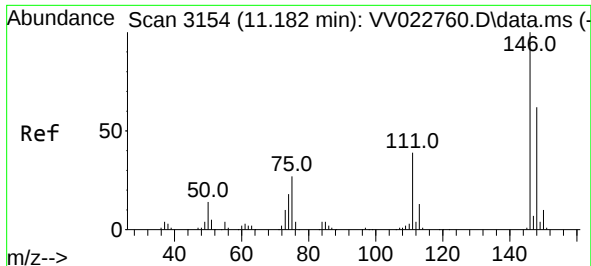
Tgt Ion:105 Resp: 156503

Ion Ratio Lower Upper

105 100

120 47.0 37.3 55.9

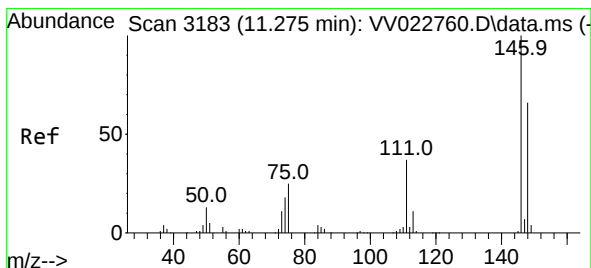
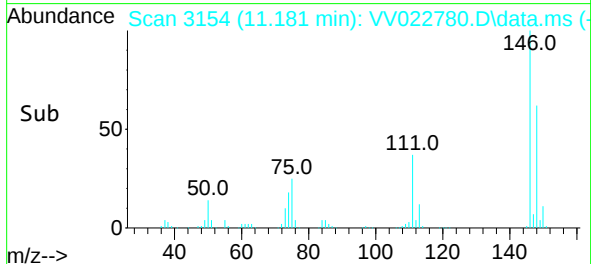
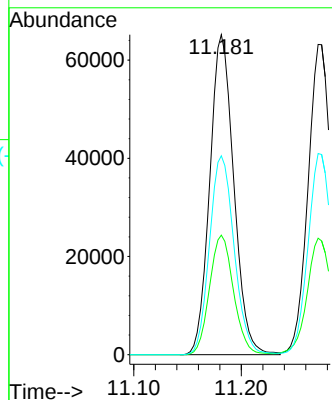
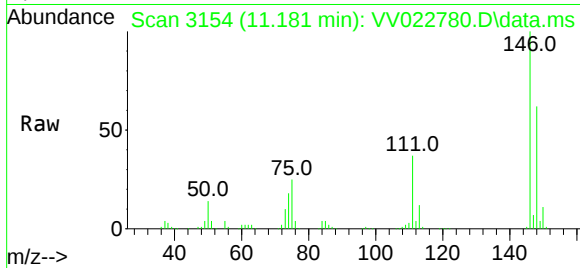




#64  
1,3-Dichlorobenzene  
Concen: 5.243 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

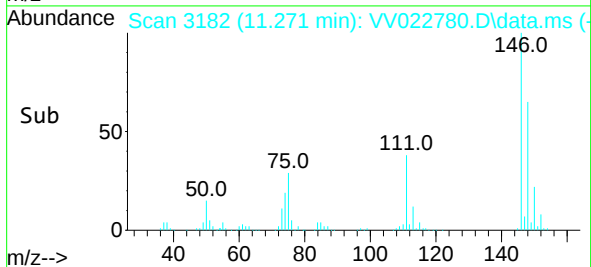
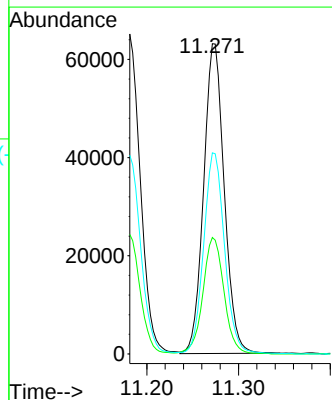
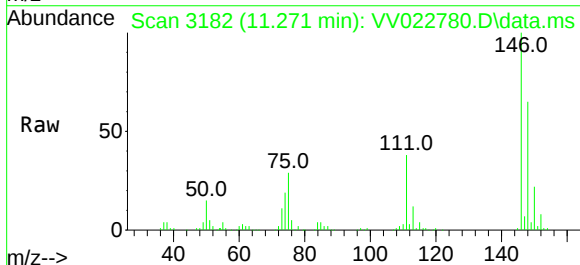
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

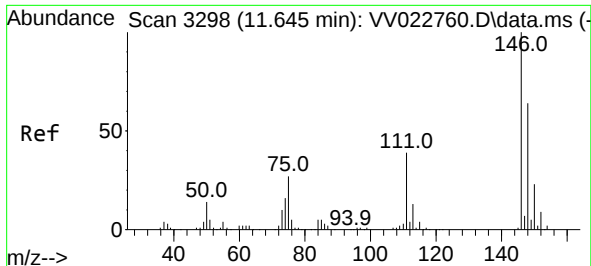
Tgt Ion:146 Resp: 101243  
Ion Ratio Lower Upper  
146 100  
111 37.4 26.7 49.5  
148 62.1 45.1 83.9



#65  
1,4-Dichlorobenzene  
Concen: 5.027 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. -0.003 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion:146 Resp: 98579  
Ion Ratio Lower Upper  
146 100  
111 37.5 25.6 47.4  
148 64.8 44.9 83.5

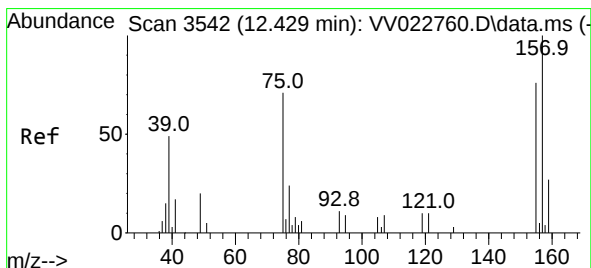
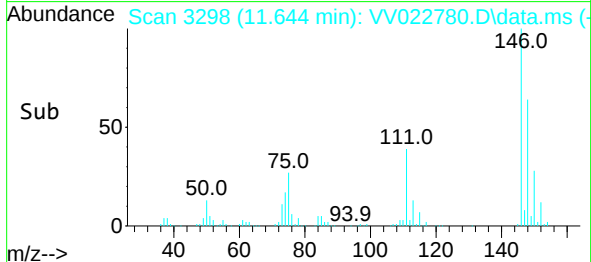
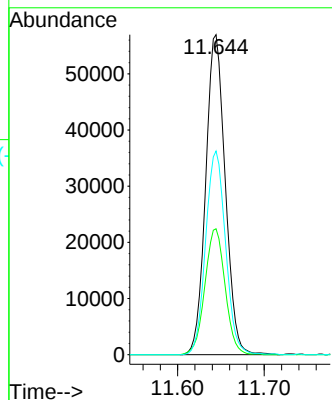
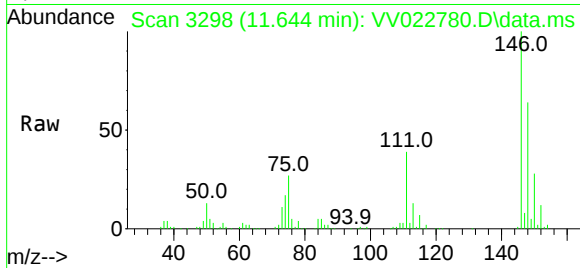




#67  
1,2-Dichlorobenzene  
Concen: 4.938 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

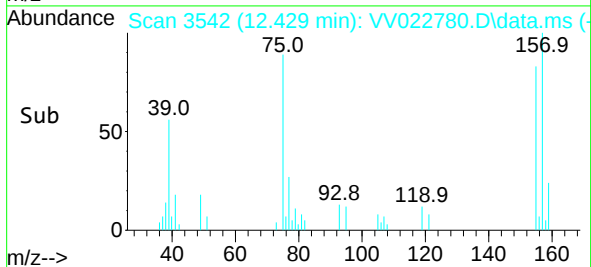
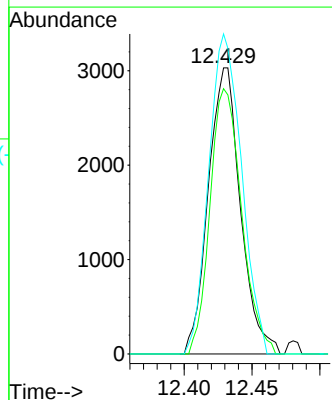
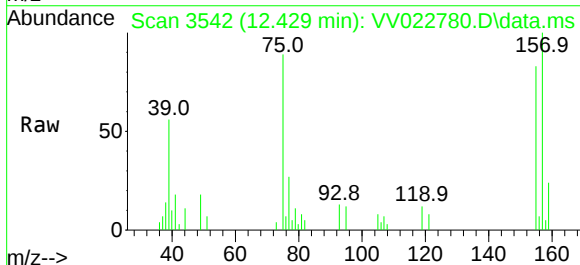
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

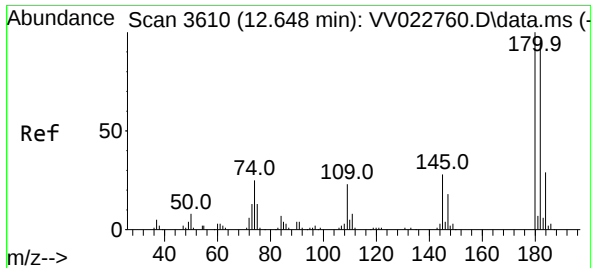
Tgt Ion:146 Resp: 89454  
Ion Ratio Lower Upper  
146 100  
111 39.3 32.3 48.5  
148 63.6 52.1 78.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.470 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion: 75 Resp: 5011  
Ion Ratio Lower Upper  
75 100  
155 92.7 82.4 123.6  
157 111.8 114.1 171.1#

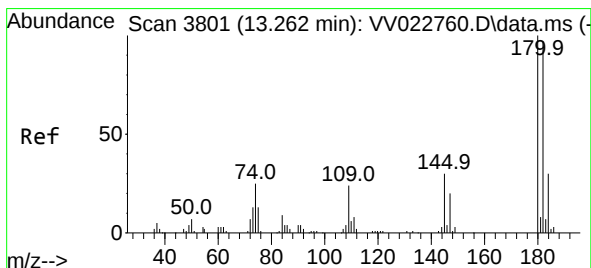
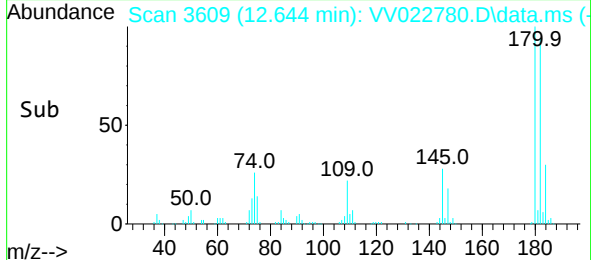
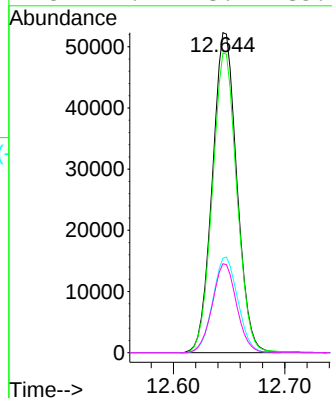
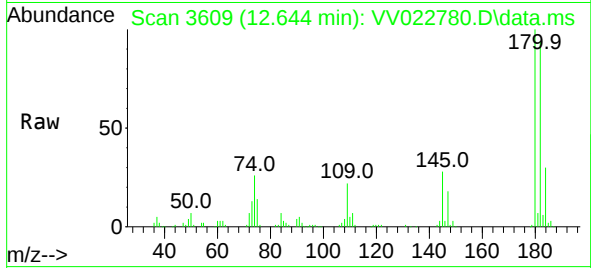




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.485 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. -0.003 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

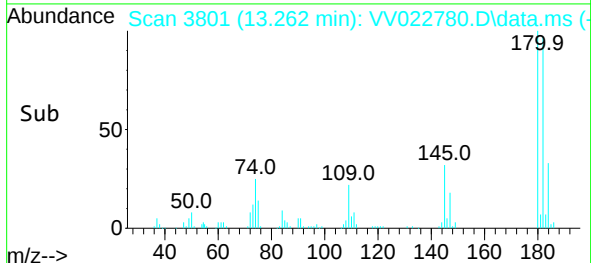
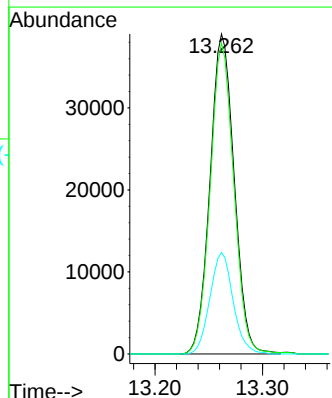
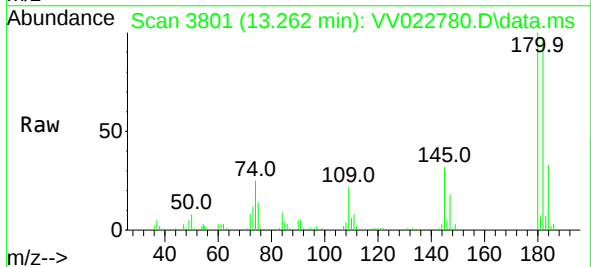
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 ClientSampleId :  
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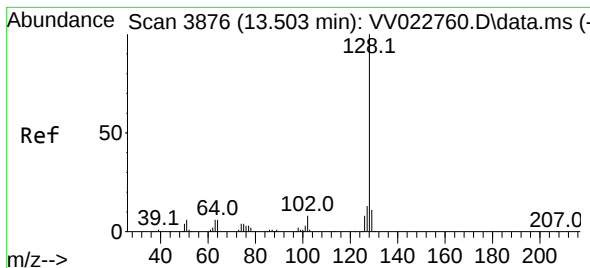
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 79788      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.5  | 77.0 115.6 |
| 184         | 30.5  | 24.5 36.7  |
| 145         | 27.7  | 23.9 35.9  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.489 ug/L  
 RT: 13.262 min Scan# 3801  
 Delta R.T. -0.000 min  
 Lab File: VV022780.D  
 Acq: 14 Oct 2021 09:43

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 60998      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.8  | 76.0 114.0 |
| 145         | 30.5  | 24.1 36.1  |

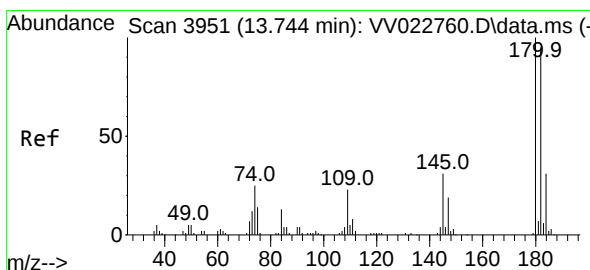
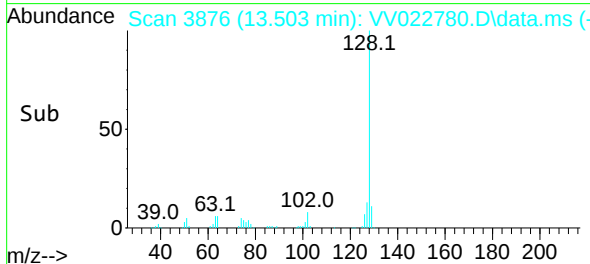
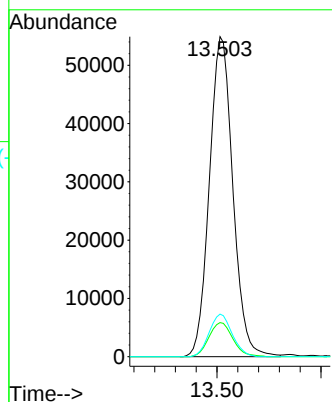
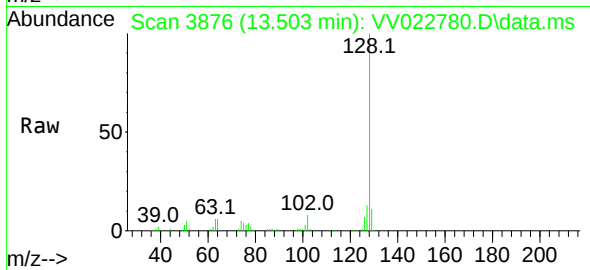




#71  
Naphthalene  
Concen: 4.873 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005309

Tgt Ion:128 Resp: 86067  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.3 13.9  
127 13.0 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 5.257 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022780.D  
Acq: 14 Oct 2021 09:43

Tgt Ion:180 Resp: 55088  
Ion Ratio Lower Upper  
180 100  
182 96.6 75.5 113.3  
145 32.4 24.7 37.1

