

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD063023\  
 Data File : VD076678.D  
 Acq On : 30 Jun 2023 22:19  
 Operator : KP/SY  
 Sample : 03444-08MS  
 Misc : 6.74G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A46Q1MS

Quant Time: Jul 03 01:33:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 01:50:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 221244   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 151066   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 45513    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 101338   | 18.808   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.240%  |
| 7) Chloroethane-d5            | 2.793  | 69    | 90642    | 20.806   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.240%  |
| 11) 1,1-Dichloroethene-d2     | 3.905  | 65    | 30816    | 21.911   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.640%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 31730    | 38.885   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 77.780%  |
| 24) Chloroform-d              | 7.569  | 84    | 139441   | 23.922   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 70820    | 24.628   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.520%  |
| 32) Benzene-d6                | 8.198  | 84    | 258243   | 27.945   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 111.800% |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 80613    | 27.329   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 109.320% |
| 41) Toluene-d8                | 10.269 | 98    | 212786   | 24.868   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.480%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 30438    | 24.809   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 99.240%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 22646    | 49.458   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 49449    | 23.563   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 37713    | 22.606   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 90.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.928  | 85    | 107938   | 31.309   | ug/L   | 99       |
| 3) Chloromethane              | 2.140  | 50    | 140920   | 24.588   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.281  | 62    | 151941   | 24.575   | ug/L   | 94       |
| 6) Bromomethane               | 2.687  | 94    | 79573    | 23.237   | ug/L   | 98       |
| 8) Chloroethane               | 2.834  | 64    | 93968    | 24.812   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.169  | 101   | 142101   | 31.788   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.957  | 101   | 65875    | 22.718   | ug/L # | 86       |
| 12) 1,1-Dichloroethene        | 3.928  | 96    | 76851    | 26.765   | ug/L   | 94       |
| 13) Acetone                   | 4.022  | 43    | 48455    | 73.521   | ug/L   | 71       |
| 14) Carbon disulfide          | 4.263  | 76    | 224064   | 21.527   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.563  | 43    | 28529    | 18.962   | ug/L   | 94       |
| 16) Methylene chloride        | 4.787  | 84    | 88115    | 22.914   | ug/L   | 79       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96    | 81260    | 25.384   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.310  | 73    | 180930   | 24.826   | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 151471   | 25.881   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 88594    | 24.781   | ug/L   | 99       |
| 22) 2-Butanone                | 7.087  | 43    | 47147    | 44.328   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.422  | 128   | 38283    | 25.230   | ug/L   | 86       |
| 25) Chloroform                | 7.593  | 83    | 155312   | 27.191   | ug/L   | 99       |

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 ALS Vial : 30 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :  
 A46Q1MS

Quant Time: Jul 03 01:33:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 01:50:34 2023  
 Response via : Initial Calibration

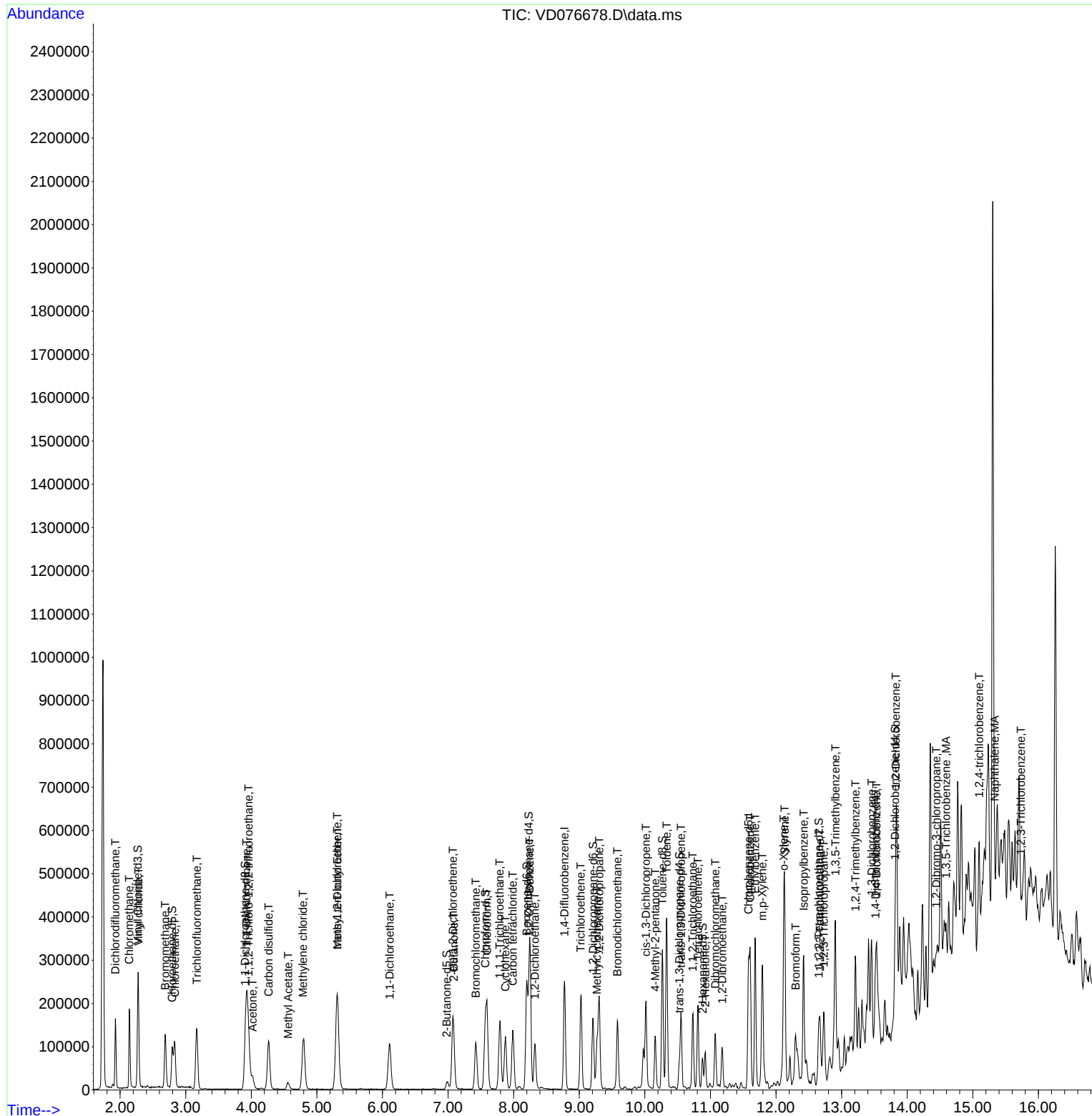
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 93193    | 26.531 | ug/L   | 95       |
| 29) Cyclohexane               | 7.875  | 56   | 62571    | 15.576 | ug/L   | 89       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 130504   | 37.187 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 94048    | 33.509 | ug/L   | 98       |
| 33) Benzene                   | 8.245  | 78   | 313818   | 31.388 | ug/L   | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 76076    | 29.621 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.269  | 83   | 42449    | 10.249 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 80464    | 29.519 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.581  | 83   | 102697   | 33.032 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 116530   | 27.997 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 85495    | 50.418 | ug/L   | 97       |
| 42) Toluene                   | 10.334 | 91   | 295507   | 27.658 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 90451    | 26.735 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 54643    | 29.226 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.810 | 164  | 39523    | 19.574 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 62583    | 53.888 | ug/L # | 94       |
| 49) Dibromochloromethane      | 11.075 | 129  | 62726    | 29.521 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 51737    | 28.510 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.604 | 112  | 161688   | 24.239 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 252246   | 21.904 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 91188    | 20.149 | ug/L   | 96       |
| 54) o-Xylene                  | 12.116 | 106  | 89922    | 20.868 | ug/L   | 92       |
| 55) Styrene                   | 12.134 | 104  | 146411   | 19.666 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 49729    | 23.273 | ug/L   | 92       |
| 59) Bromoform                 | 12.298 | 173  | 32595    | 40.006 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 179061   | 25.722 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 37849    | 42.850 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 118007   | 21.187 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 124205   | 22.599 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 68074    | 21.981 | ug/L # | 93       |
| 65) 1,4-Dichlorobenzene       | 13.533 | 146  | 71923    | 23.039 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 63514    | 23.021 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 6781     | 34.448 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 22295    | 10.793 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 19796    | 10.770 | ug/L # | 57       |
| 71) Naphthalene               | 15.333 | 128  | 65232    | 18.537 | ug/L # | 95       |
| 72) 1,2,3-Trichlorobenzene    | 15.733 | 180  | 1474     | 0.923  | ug/L   | 86       |

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

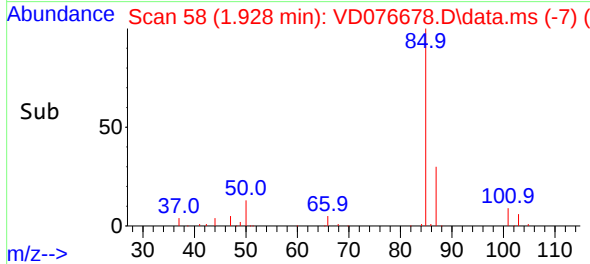
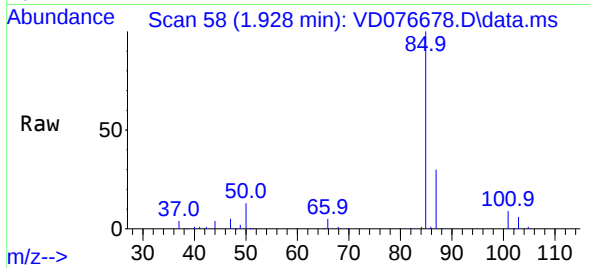
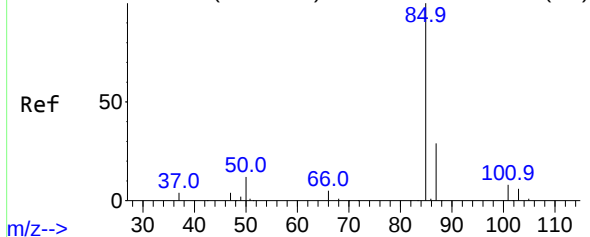
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD063023\  
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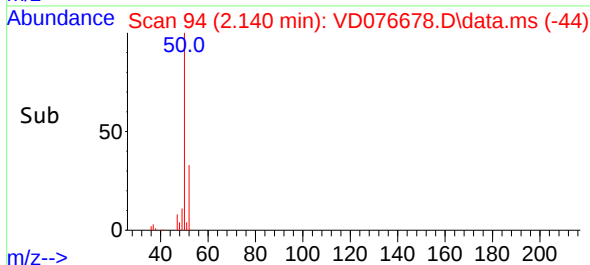
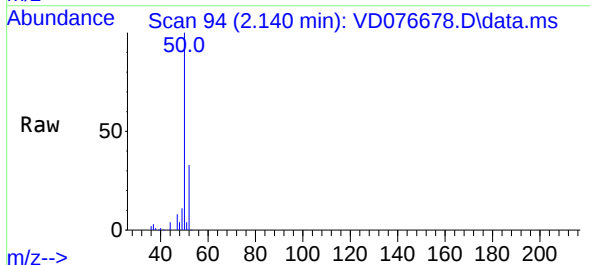
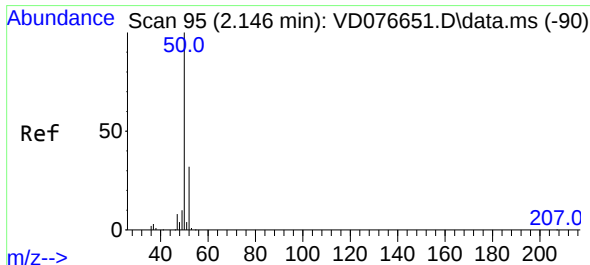
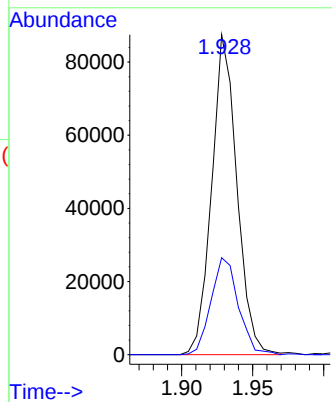
Abundance Scan 58 (1.928 min): VD076651.D\data.ms (-53)



#2  
Dichlorodifluoromethane  
Concen: 31.309 ug/L  
RT: 1.928 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

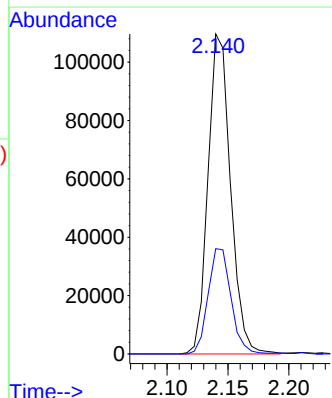
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

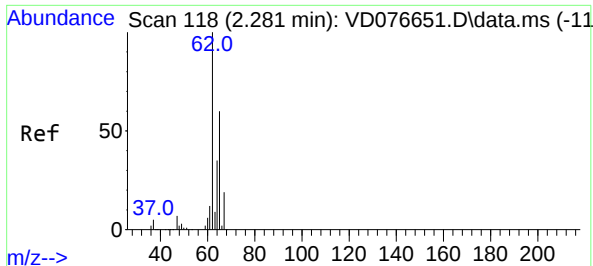
Tgt Ion: 85 Resp: 107938  
Ion Ratio Lower Upper  
85 100  
87 32.6 26.3 39.5



#3  
Chloromethane  
Concen: 24.588 ug/L  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 50 Resp: 140920  
Ion Ratio Lower Upper  
50 100  
52 32.9 23.2 43.2

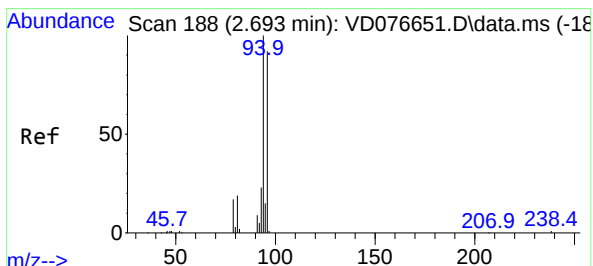
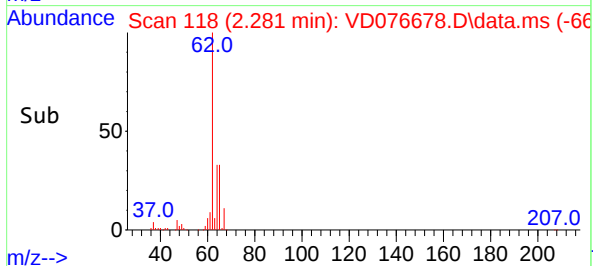
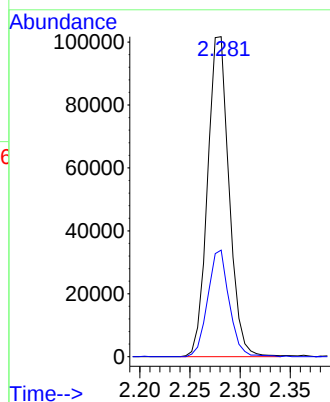
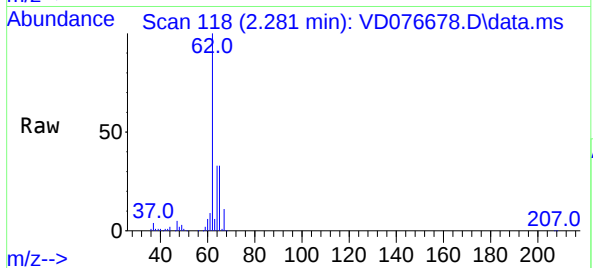




#5  
Vinyl chloride  
Concen: 24.575 ug/L  
RT: 2.281 min Scan# 118  
Delta R.T. 0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

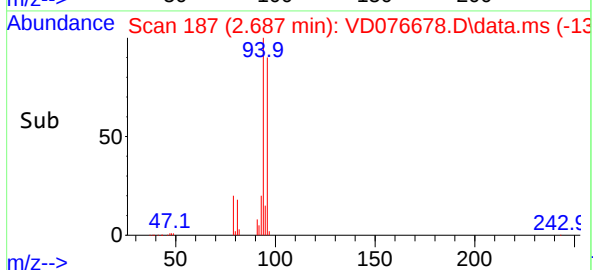
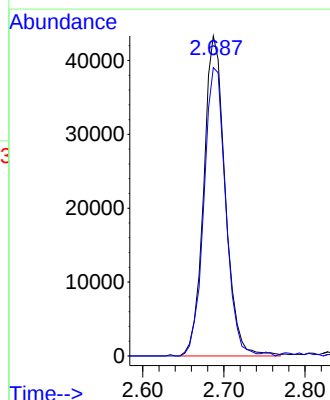
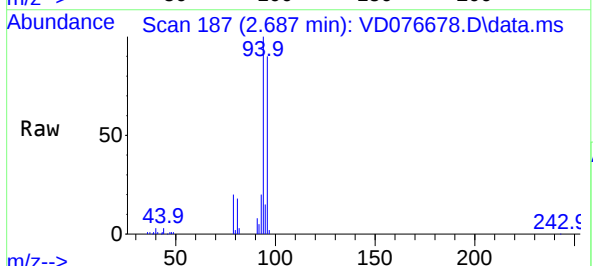
Instrument :  
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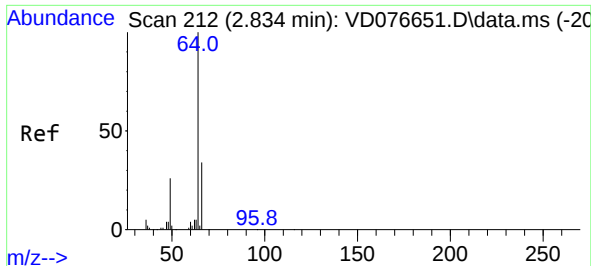
Tgt Ion: 62 Resp: 151941  
Ion Ratio Lower Upper  
62 100  
64 33.3 21.1 39.1



#6  
Bromomethane  
Concen: 23.237 ug/L  
RT: 2.687 min Scan# 187  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 94 Resp: 79573  
Ion Ratio Lower Upper  
94 100  
96 90.1 64.7 120.1

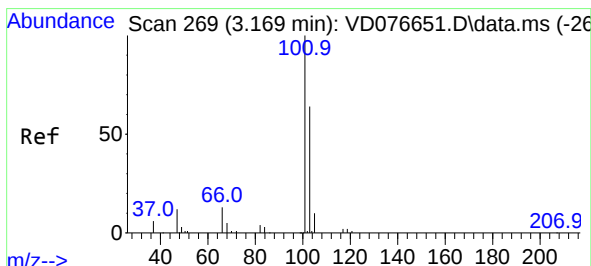
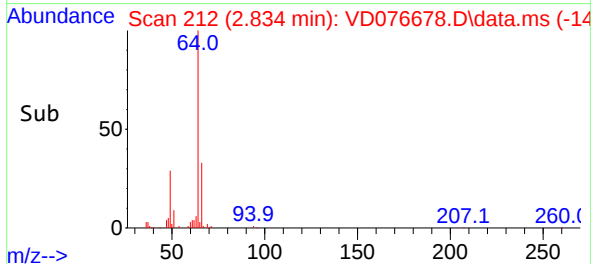
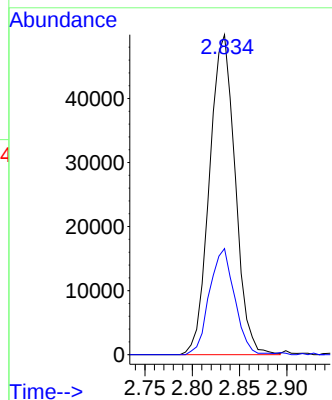
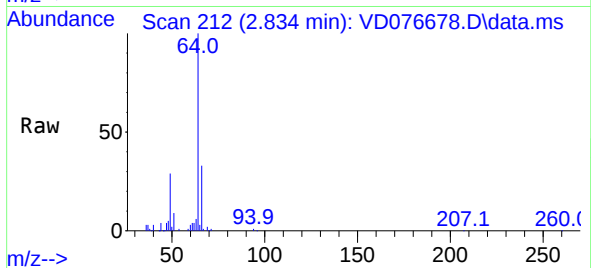




#8  
Chloroethane  
Concen: 24.812 ug/L  
RT: 2.834 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

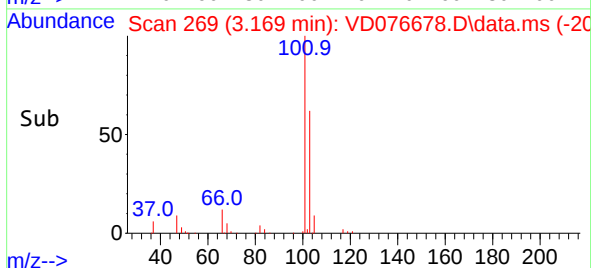
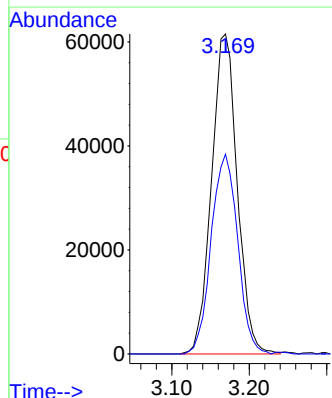
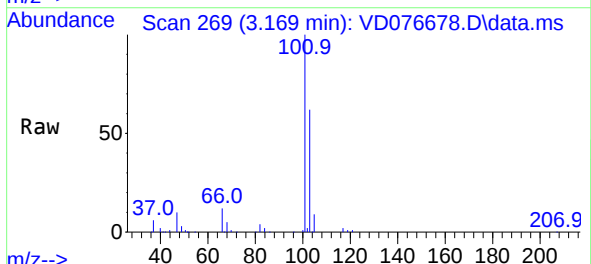
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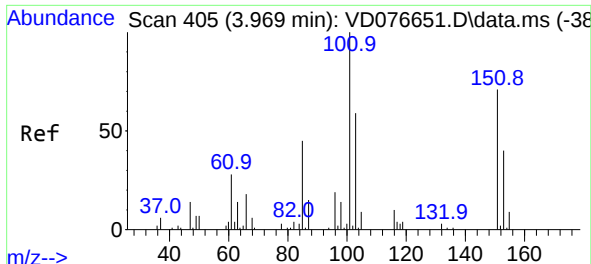
Tgt Ion: 64 Resp: 93968  
Ion Ratio Lower Upper  
64 100  
66 33.2 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 31.788 ug/L  
RT: 3.169 min Scan# 269  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 101 Resp: 142101  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.8 77.6

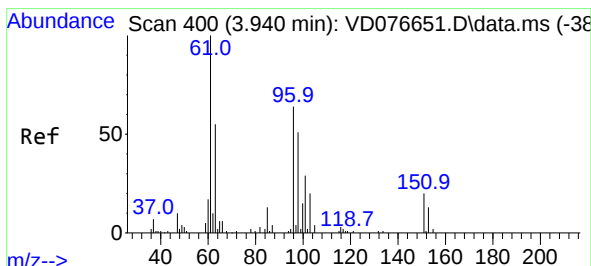
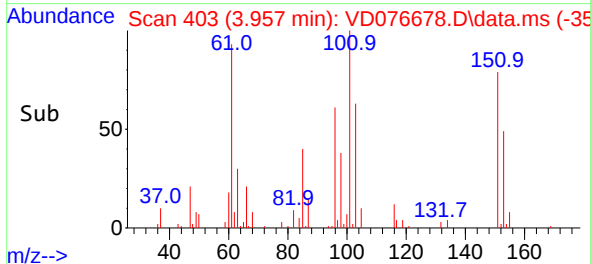
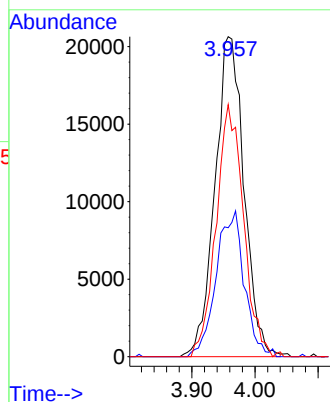
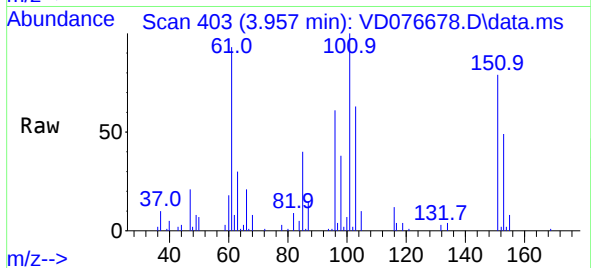




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 22.718 ug/L  
RT: 3.957 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

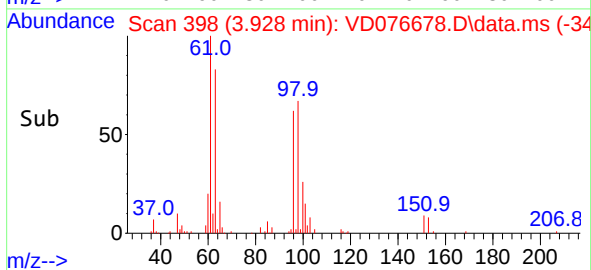
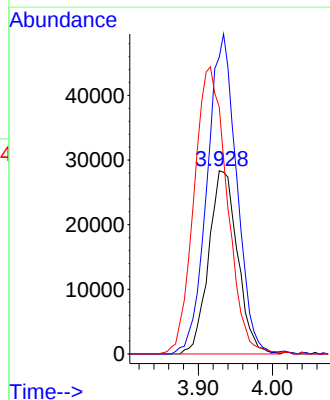
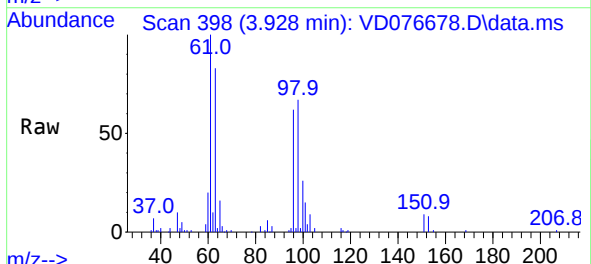
Instrument :  
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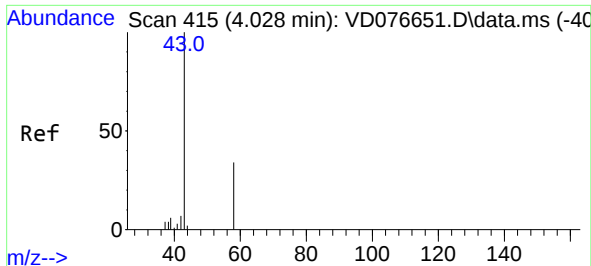
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Ion Ratio Lower Upper  
101 100  
85 22.0 35.5 53.3#  
151 74.3 58.6 87.8



#12  
1,1-Dichloroethene  
Concen: 26.765 ug/L  
RT: 3.928 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 96 Resp: 76851  
Ion Ratio Lower Upper  
96 100  
61 161.9 113.0 209.8  
63 134.7 83.6 155.2





#13

Acetone

Concen: 73.521 ug/L

RT: 4.022 min Scan# 415

Delta R.T. -0.000 min

Lab File: VD076678.D

Acq: 30 Jun 2023 22:19

Instrument :

MSVOA\_D

ClientSampleId :

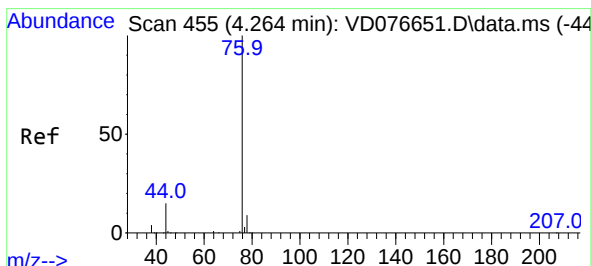
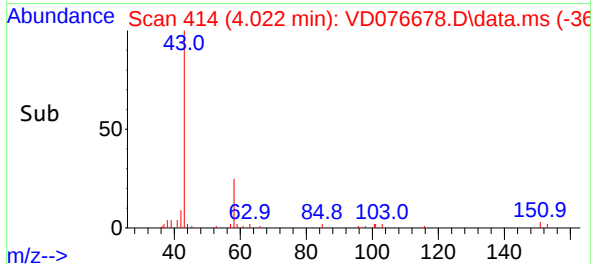
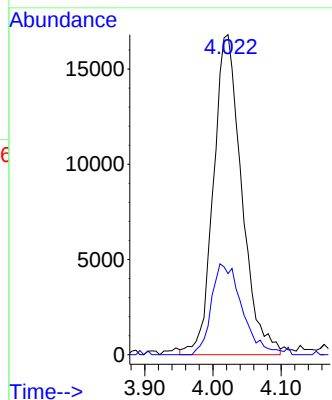
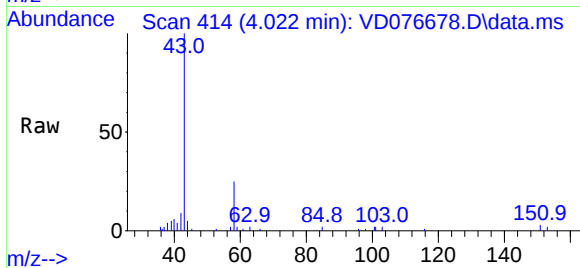
A46Q1MS

Tgt Ion: 43 Resp: 48455

Ion Ratio Lower Upper

43 100

58 17.3 0.0 67.4



#14

Carbon disulfide

Concen: 21.527 ug/L

RT: 4.263 min Scan# 455

Delta R.T. -0.000 min

Lab File: VD076678.D

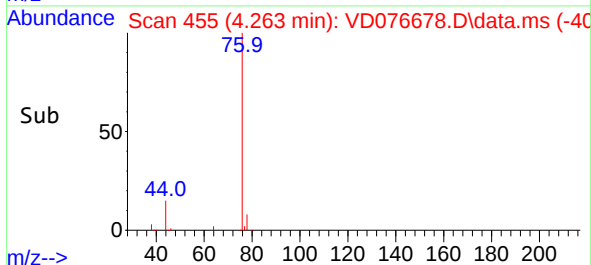
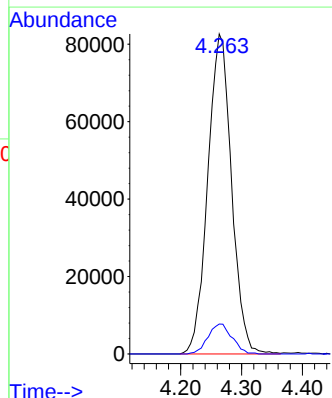
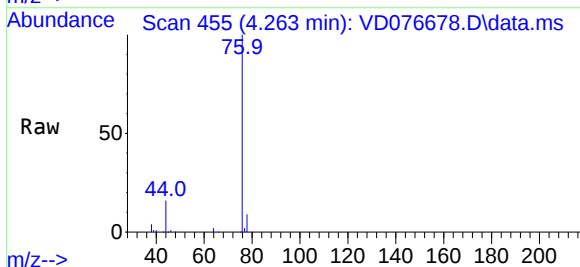
Acq: 30 Jun 2023 22:19

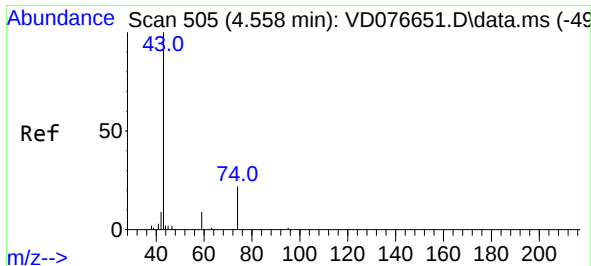
Tgt Ion: 76 Resp: 224064

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

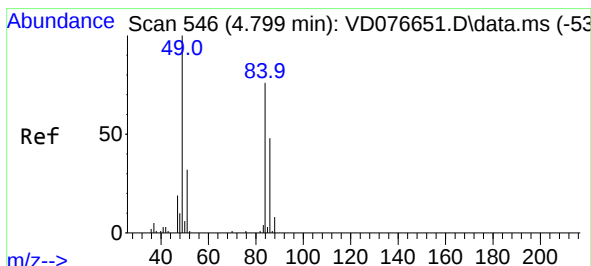
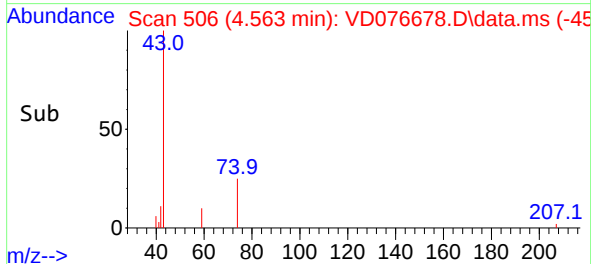
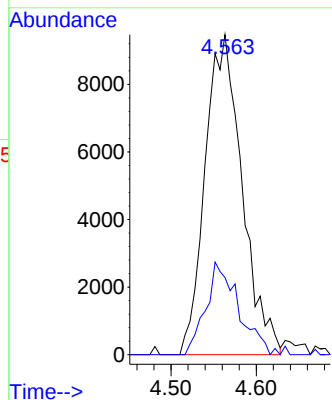
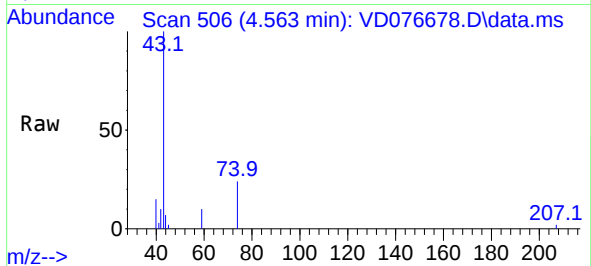




#15  
Methyl Acetate  
Concen: 18.962 ug/L  
RT: 4.563 min Scan# 505  
Delta R.T. 0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

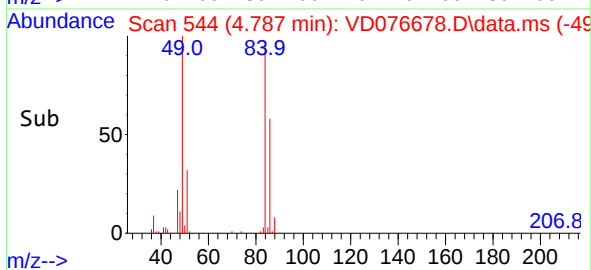
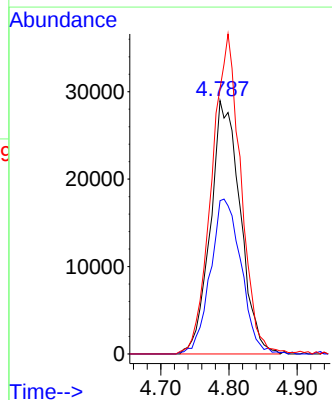
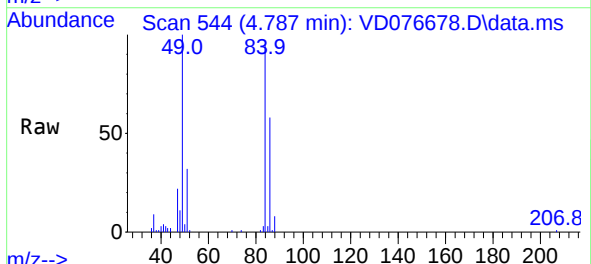
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

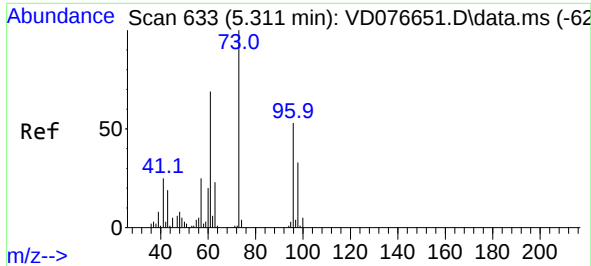
Tgt Ion: 43 Resp: 28529  
Ion Ratio Lower Upper  
43 100  
74 25.4 18.2 27.2



#16  
Methylene chloride  
Concen: 22.914 ug/L  
RT: 4.787 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 84 Resp: 88115  
Ion Ratio Lower Upper  
84 100  
86 60.5 45.1 83.9  
49 104.8 97.2 180.6

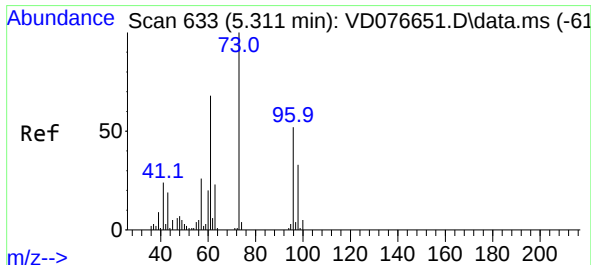
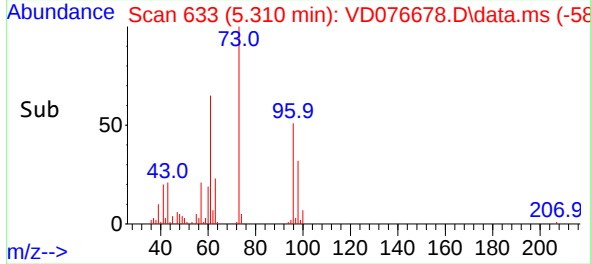
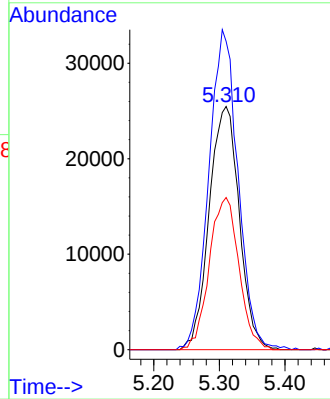
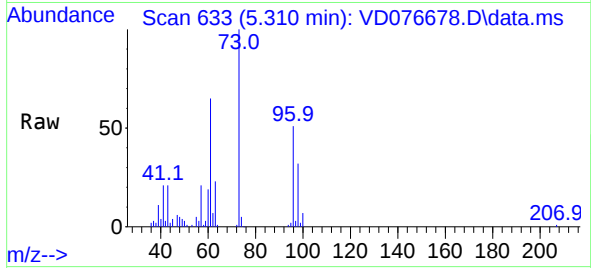




#17  
trans-1,2-Dichloroethene  
Concen: 25.384 ug/L  
RT: 5.310 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

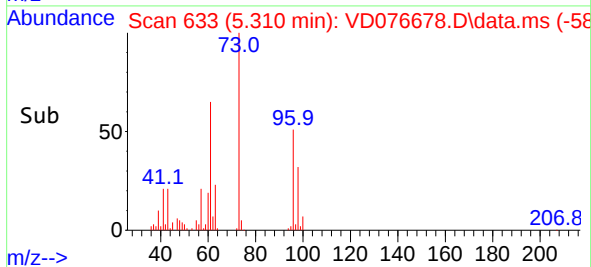
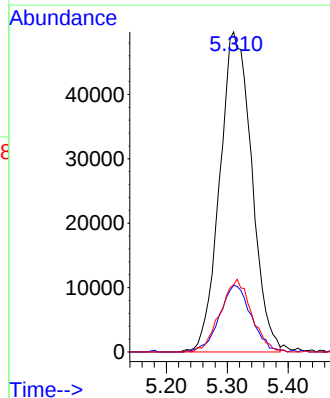
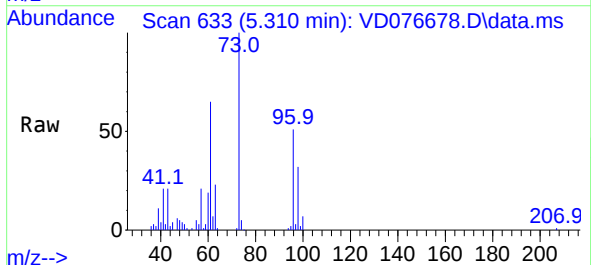
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

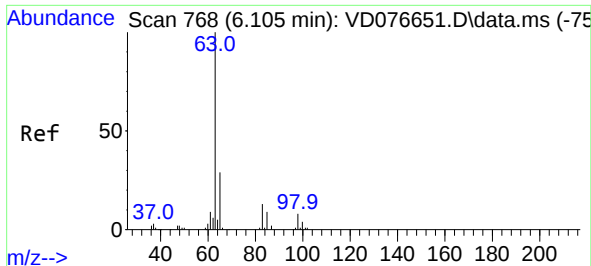
Tgt Ion: 96 Resp: 81260  
Ion Ratio Lower Upper  
96 100  
61 126.8 94.5 175.5  
98 62.6 46.0 85.4



#18  
Methyl tert-butyl Ether  
Concen: 24.826 ug/L  
RT: 5.310 min Scan# 633  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 73 Resp: 180930  
Ion Ratio Lower Upper  
73 100  
43 20.6 7.2 10.8#  
57 22.1 18.6 28.0

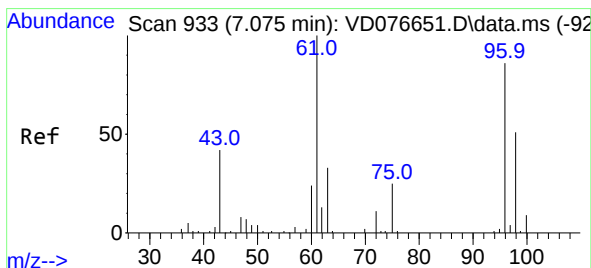
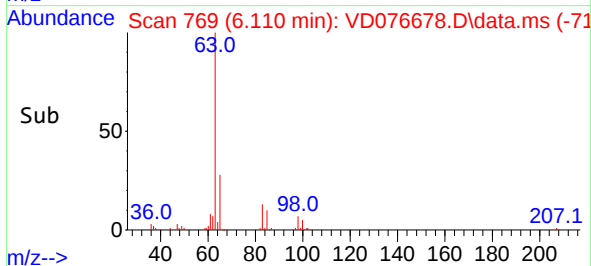
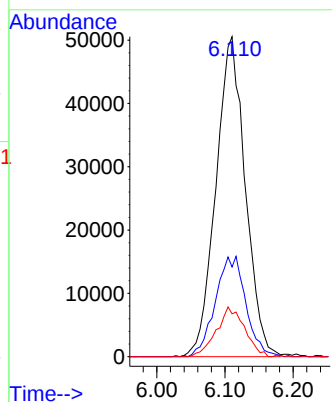
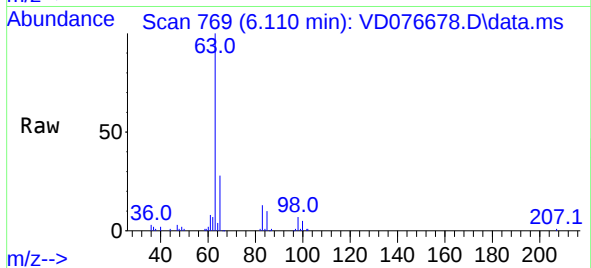




#19  
1,1-Dichloroethane  
Concen: 25.881 ug/L  
RT: 6.110 min Scan# 769  
Delta R.T. 0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

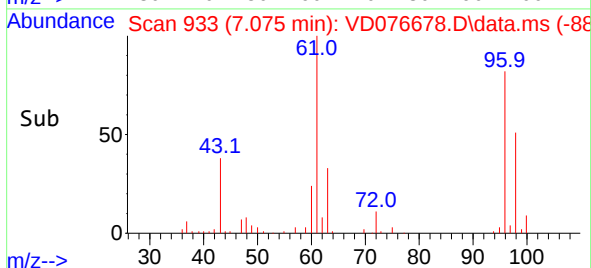
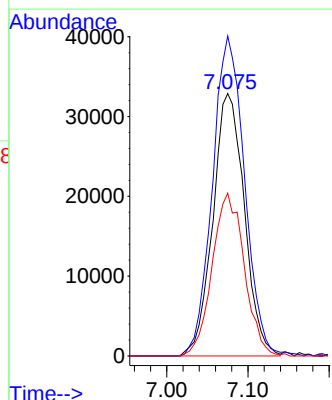
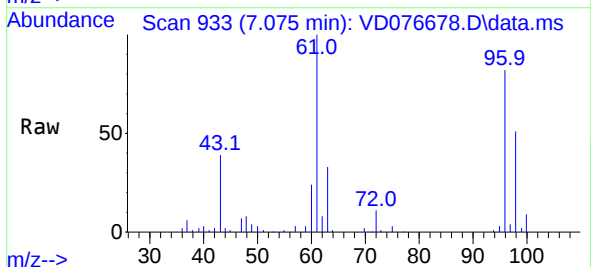
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

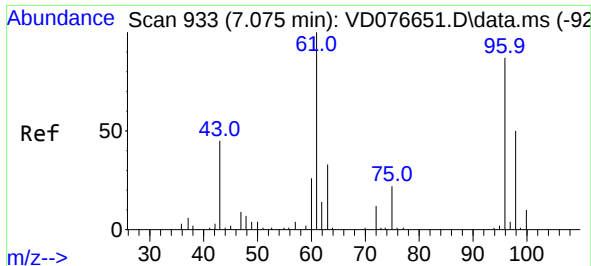
Tgt Ion: 63 Resp: 151471  
Ion Ratio Lower Upper  
63 100  
65 28.1 20.8 38.6  
83 13.4 8.9 16.5



#20  
cis-1,2-Dichloroethene  
Concen: 24.781 ug/L  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 96 Resp: 88594  
Ion Ratio Lower Upper  
96 100  
61 121.9 86.0 159.6  
98 62.0 42.2 78.4

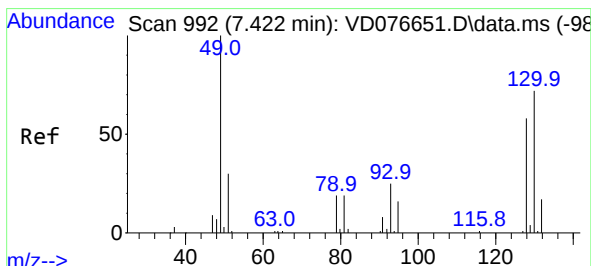
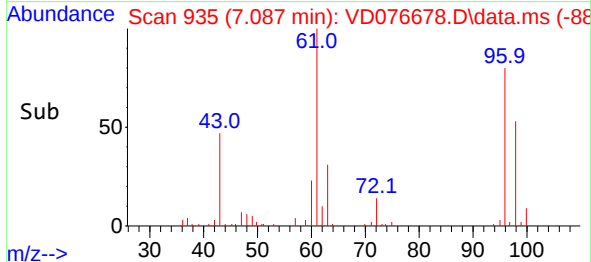
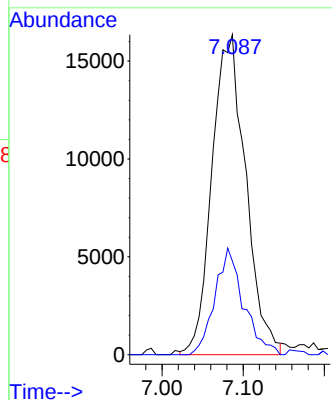
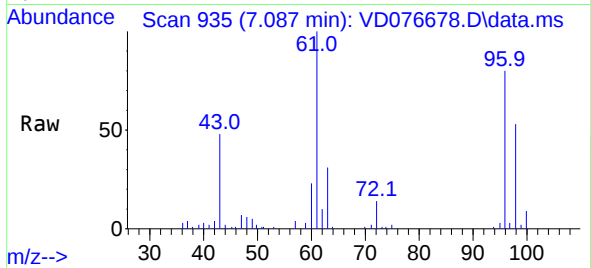




#22  
2-Butanone  
Concen: 44.328 ug/L  
RT: 7.087 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

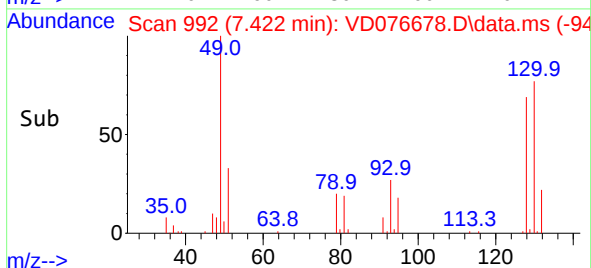
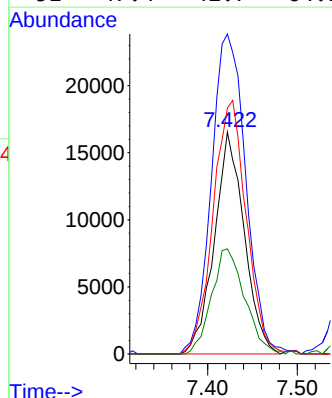
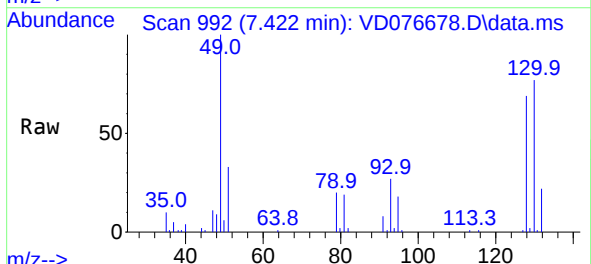
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

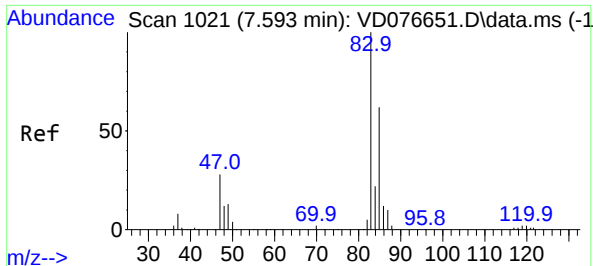
Tgt Ion: 43 Resp: 47147  
Ion Ratio Lower Upper  
43 100  
72 28.4 12.9 38.7



#23  
Bromochloromethane  
Concen: 25.230 ug/L  
RT: 7.422 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 128 Resp: 38283  
Ion Ratio Lower Upper  
128 100  
49 144.2 124.7 231.7  
130 112.6 80.0 148.6  
51 47.4 42.7 64.1

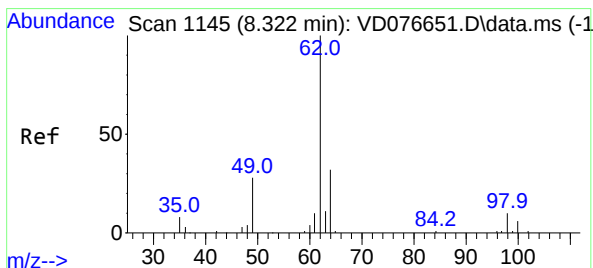
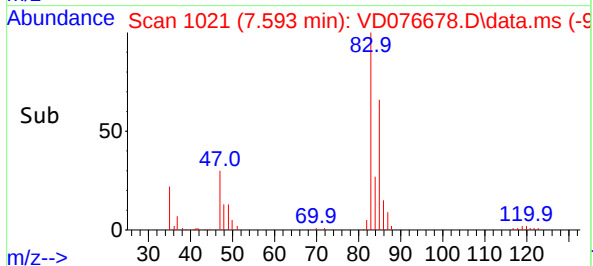
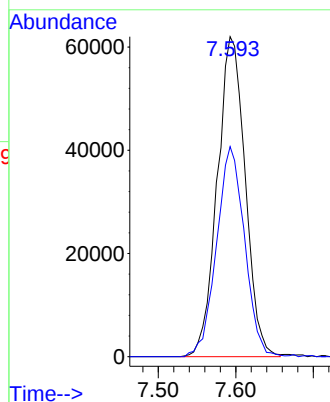
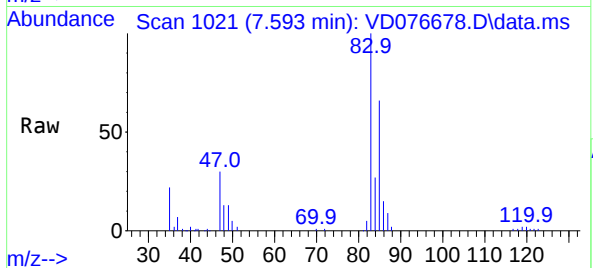




#25  
Chloroform  
Concen: 27.191 ug/L  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

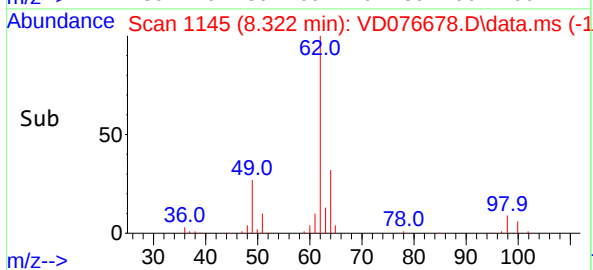
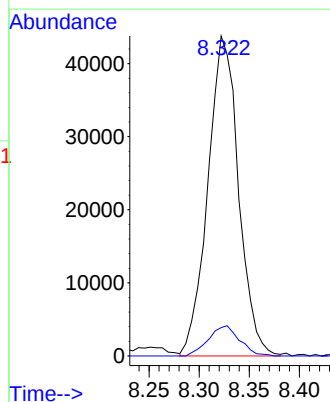
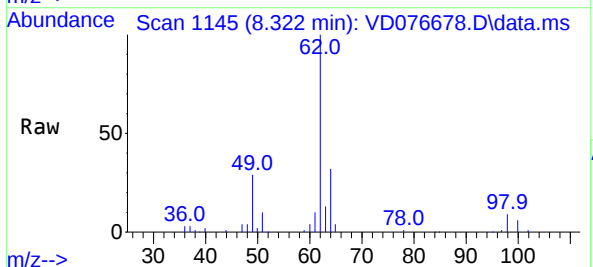
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

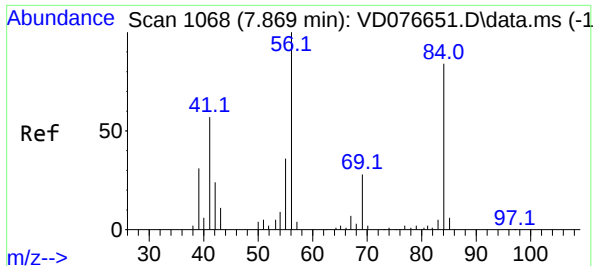
Tgt Ion: 83 Resp: 155312  
Ion Ratio Lower Upper  
83 100  
85 65.6 45.4 84.4



#27  
1,2-Dichloroethane  
Concen: 26.531 ug/L  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 62 Resp: 93193  
Ion Ratio Lower Upper  
62 100  
98 8.9 8.7 13.1





#29

Cyclohexane

Concen: 15.576 ug/L

RT: 7.875 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VD076678.D

Acq: 30 Jun 2023 22:19

Instrument :

MSVOA\_D

ClientSampleId :

A46Q1MS

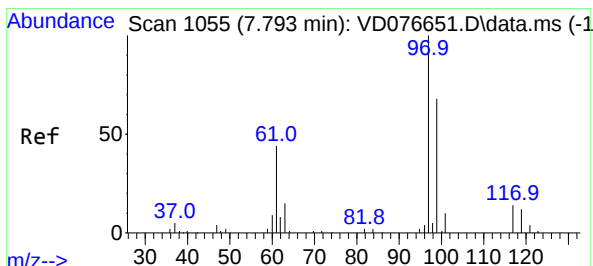
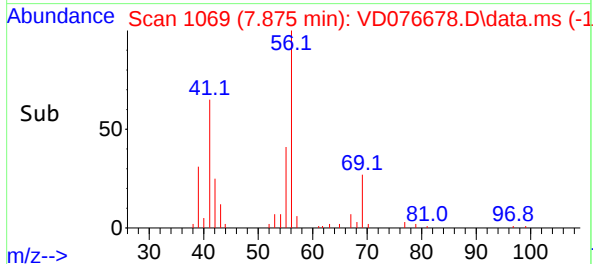
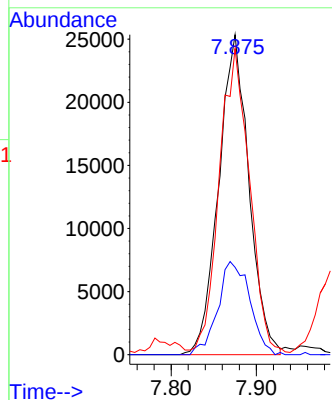
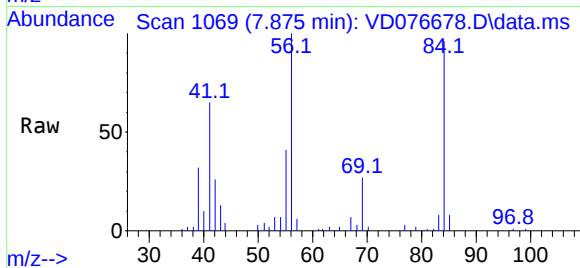
Tgt Ion: 56 Resp: 62571

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.0

84 96.3 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 37.187 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VD076678.D

Acq: 30 Jun 2023 22:19

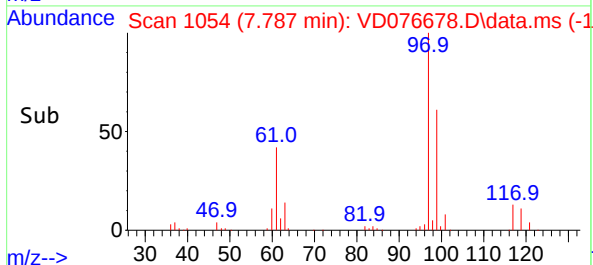
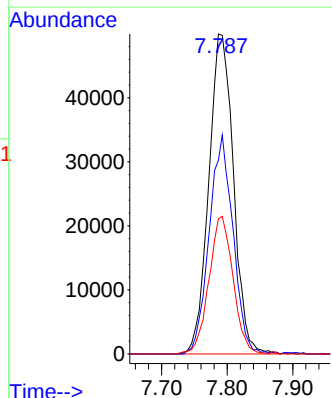
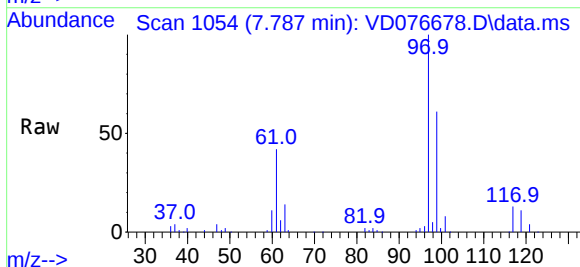
Tgt Ion: 97 Resp: 130504

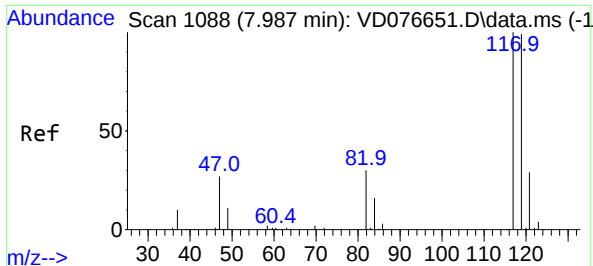
Ion Ratio Lower Upper

97 100

99 66.0 51.0 76.6

61 42.1 36.4 54.6

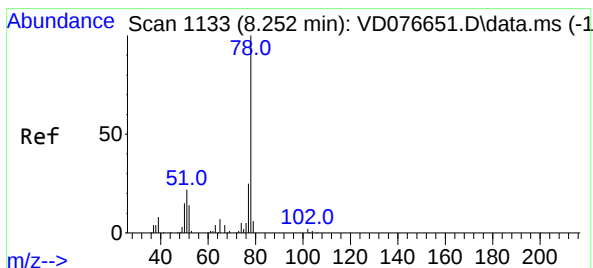
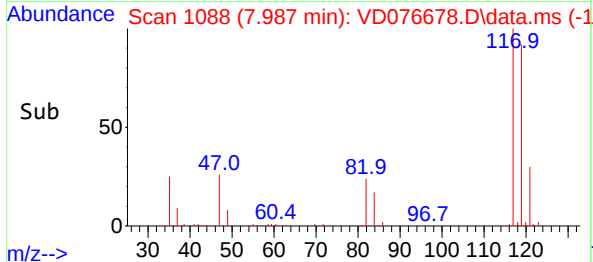
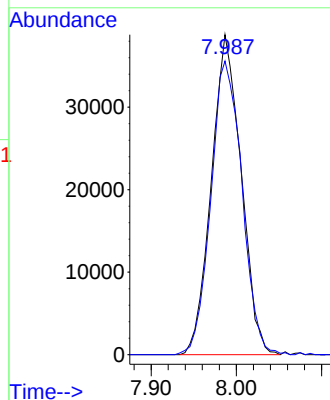
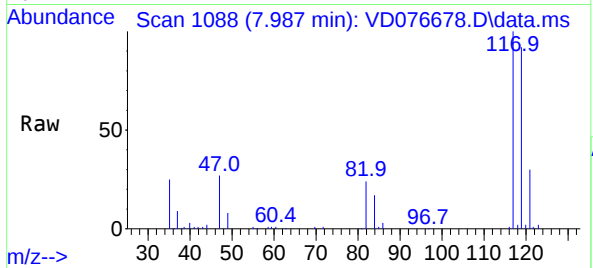




#31  
Carbon tetrachloride  
Concen: 33.509 ug/L  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

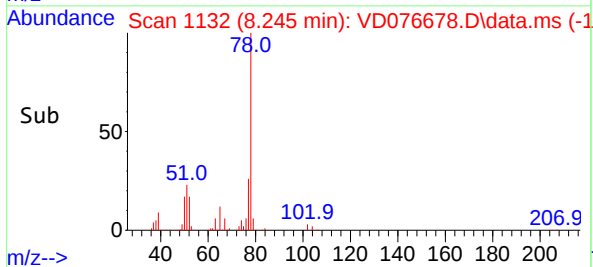
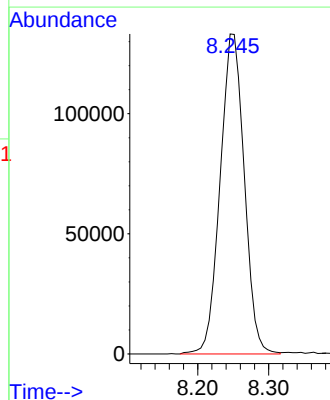
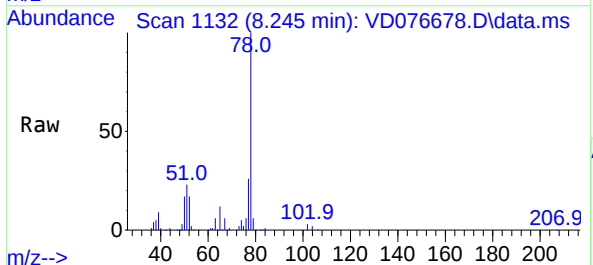
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

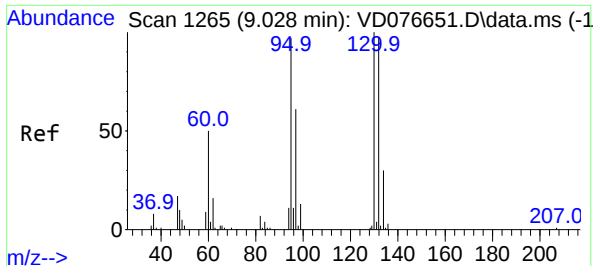
Tgt Ion:117 Resp: 94048  
Ion Ratio Lower Upper  
117 100  
119 95.7 77.8 116.6



#33  
Benzene  
Concen: 31.388 ug/L  
RT: 8.245 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 78 Resp: 313818



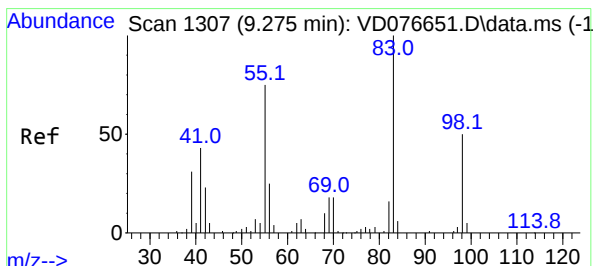
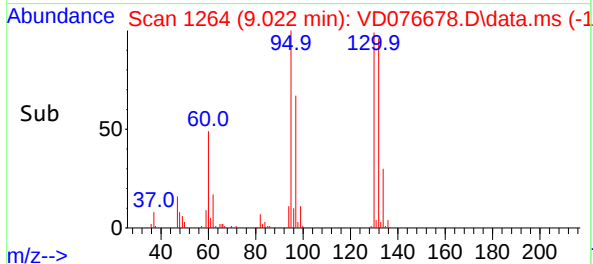
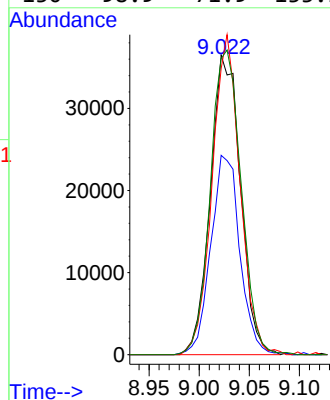
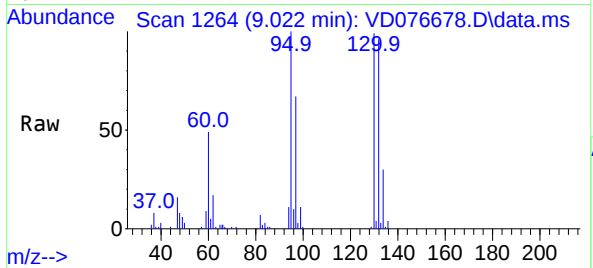


#34  
Trichloroethene  
Concen: 29.621 ug/L  
RT: 9.022 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

Tgt Ion: 95 Resp: 76076

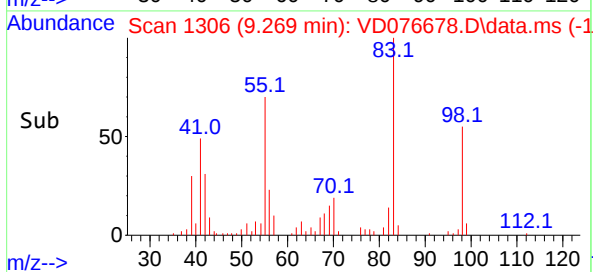
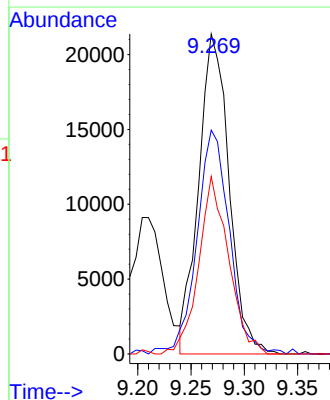
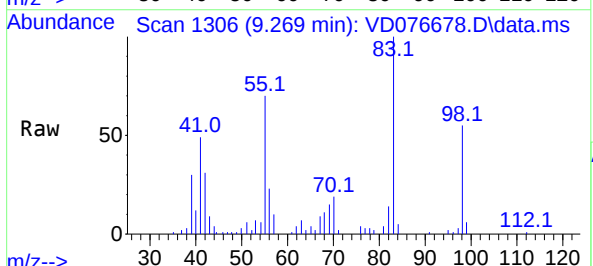
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 43.1  | 80.1  |
| 132 | 95.6  | 71.8  | 133.4 |
| 130 | 98.9  | 71.9  | 133.5 |

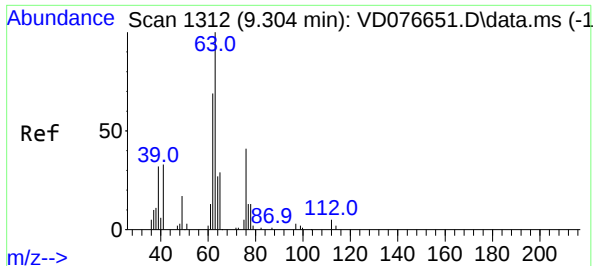


#35  
Methylcyclohexane  
Concen: 10.249 ug/L  
RT: 9.269 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 83 Resp: 42449

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 73.5  | 59.8  | 89.6  |
| 98  | 54.7  | 37.8  | 56.6  |

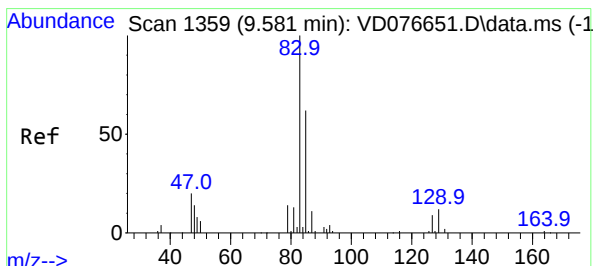
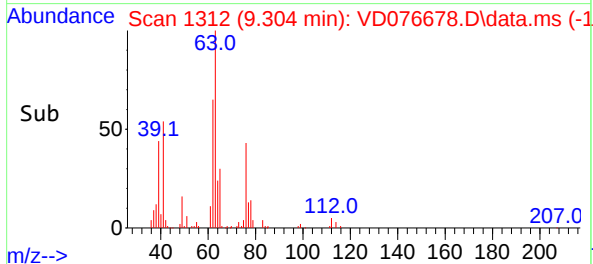
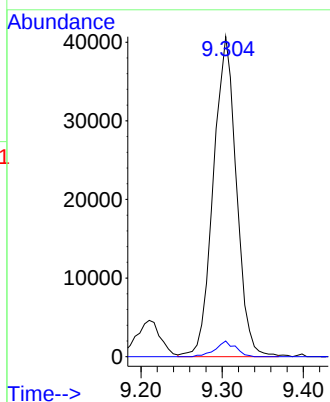
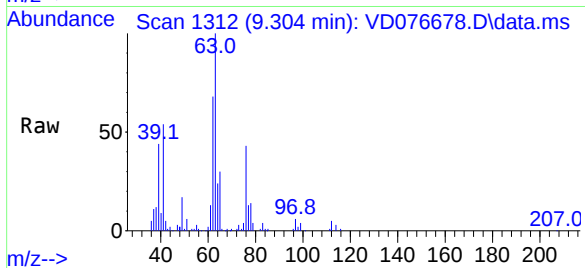




#37  
1,2-Dichloropropane  
Concen: 29.519 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

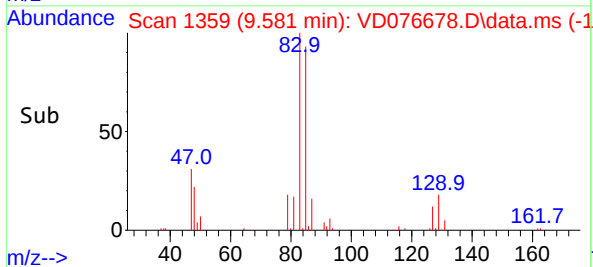
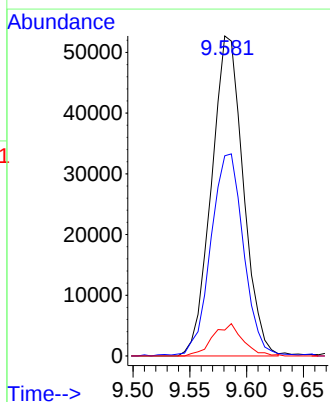
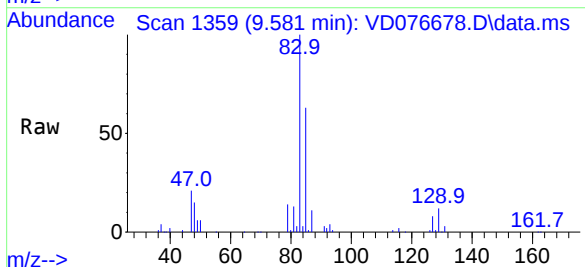
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

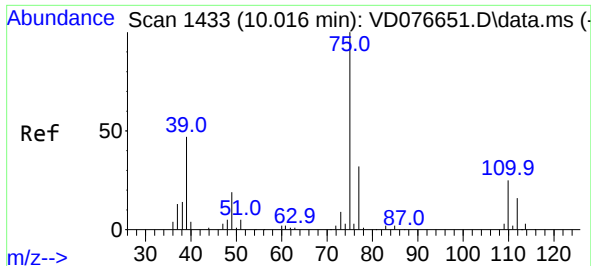
Tgt Ion: 63 Resp: 80464  
Ion Ratio Lower Upper  
63 100  
112 4.3 3.1 4.7



#38  
Bromodichloromethane  
Concen: 33.032 ug/L  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 83 Resp: 102697  
Ion Ratio Lower Upper  
83 100  
85 62.5 43.9 81.5  
127 8.1 6.6 9.8

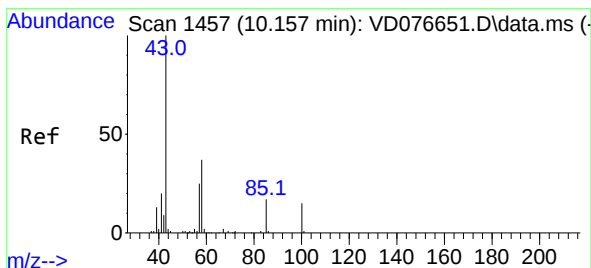
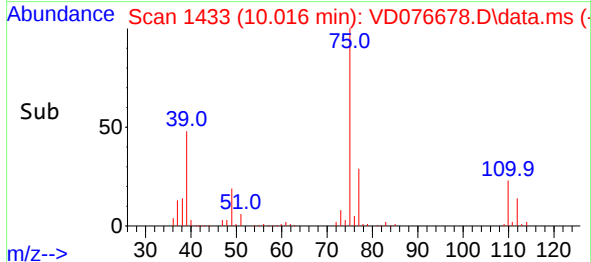
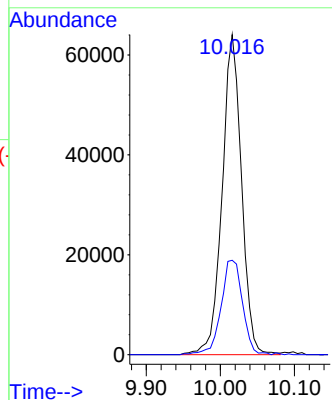
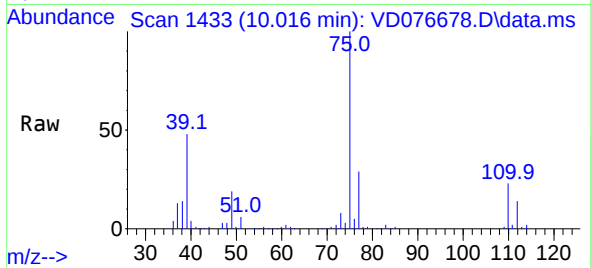




#39  
cis-1,3-Dichloropropene  
Concen: 27.997 ug/L  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

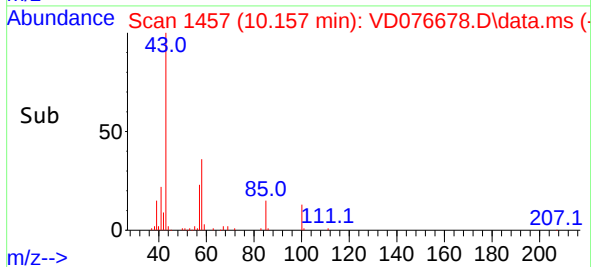
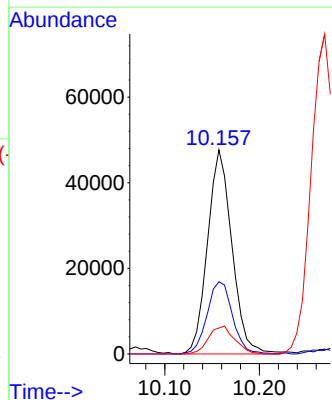
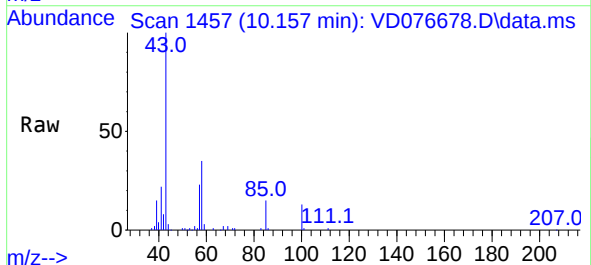
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

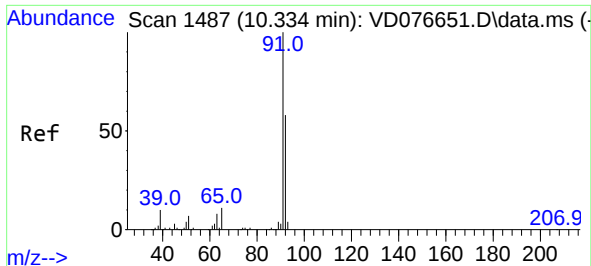
Tgt Ion: 75 Resp: 116530  
Ion Ratio Lower Upper  
75 100  
77 29.5 22.7 42.3



#40  
4-Methyl-2-pentanone  
Concen: 50.418 ug/L  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 43 Resp: 85495  
Ion Ratio Lower Upper  
43 100  
58 36.8 30.7 46.1  
100 14.6 11.0 16.4

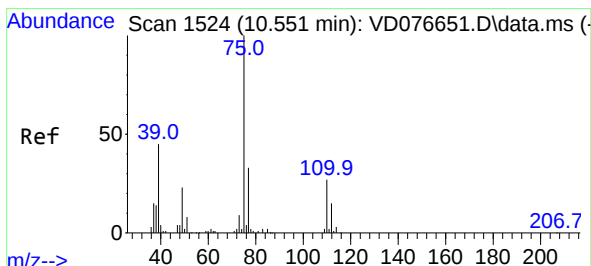
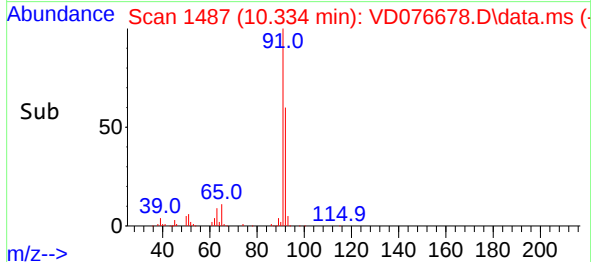
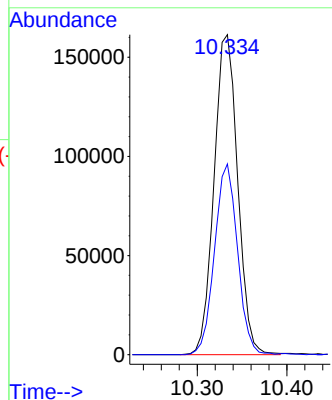
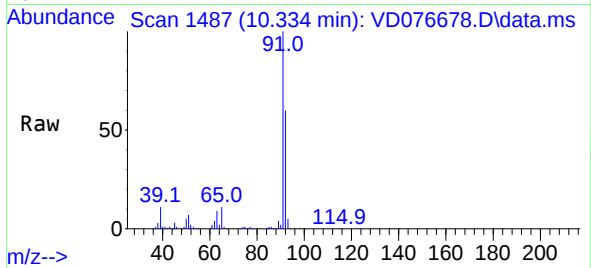




#42  
Toluene  
Concen: 27.658 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

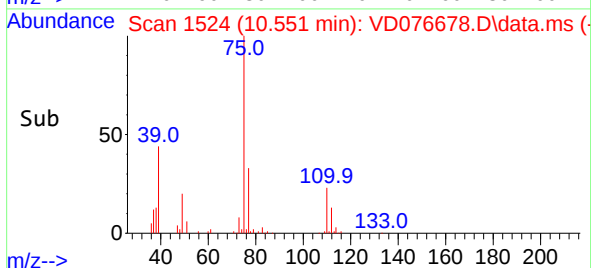
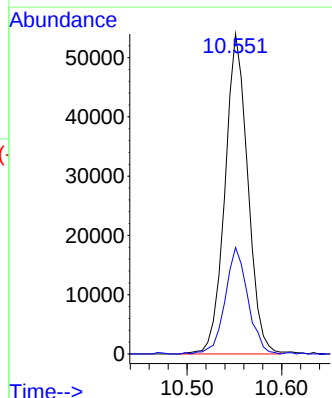
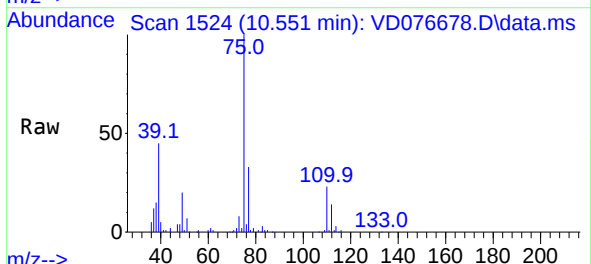
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

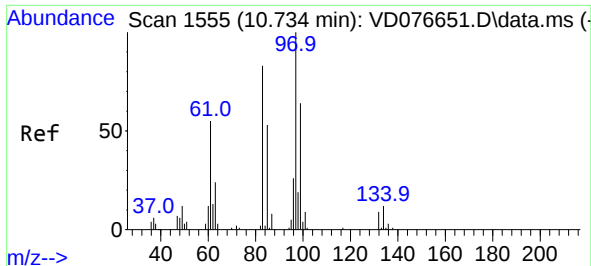
Tgt Ion: 91 Resp: 295507  
Ion Ratio Lower Upper  
91 100  
92 59.6 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 26.735 ug/L  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 75 Resp: 90451  
Ion Ratio Lower Upper  
75 100  
77 33.3 22.5 41.7



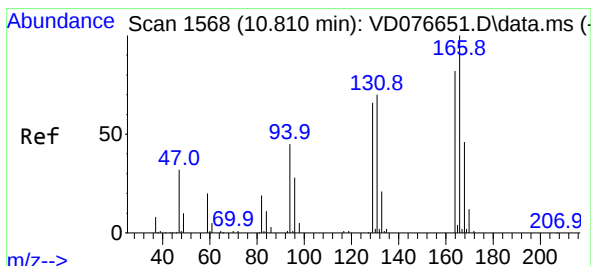
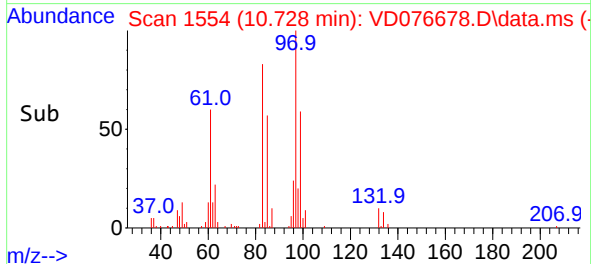
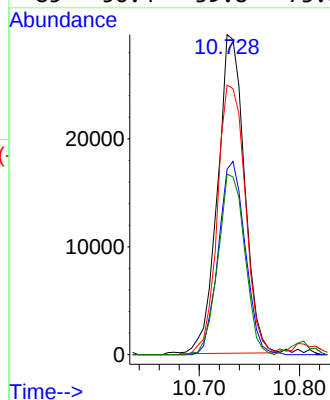
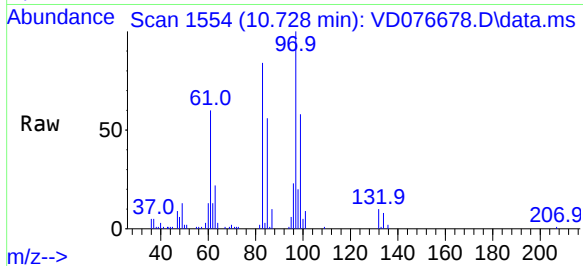


#45  
1,1,2-Trichloroethane  
Concen: 29.226 ug/L  
RT: 10.728 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

Tgt Ion: 97 Resp: 54643

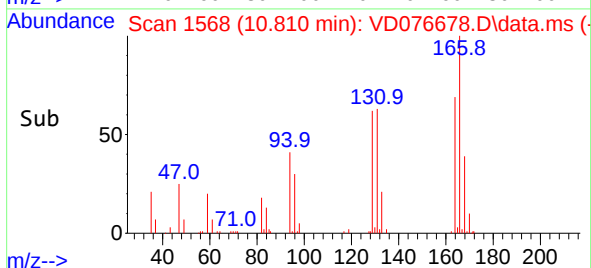
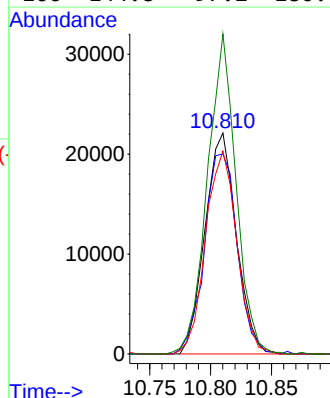
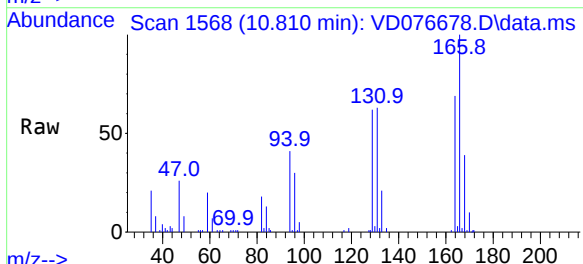
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 58.0  | 41.9  | 77.9  |
| 83  | 84.3  | 59.2  | 110.0 |
| 85  | 56.4  | 39.8  | 73.8  |

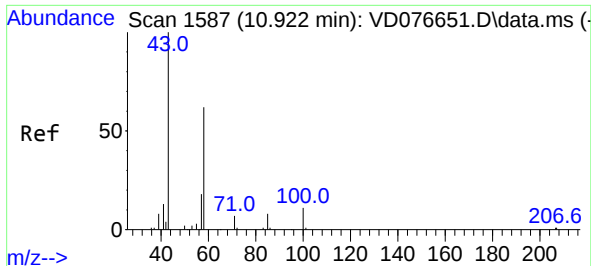


#46  
Tetrachloroethene  
Concen: 19.574 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 164 Resp: 39523

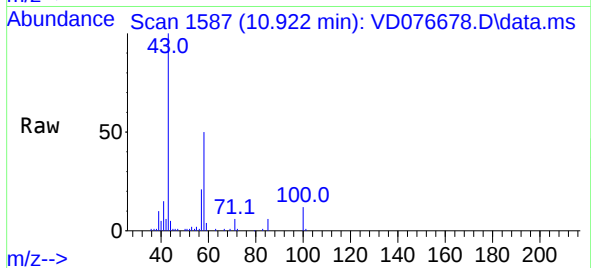
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 90.5  | 65.5  | 121.6 |
| 131 | 91.8  | 64.8  | 120.3 |
| 166 | 144.8 | 97.2  | 180.4 |



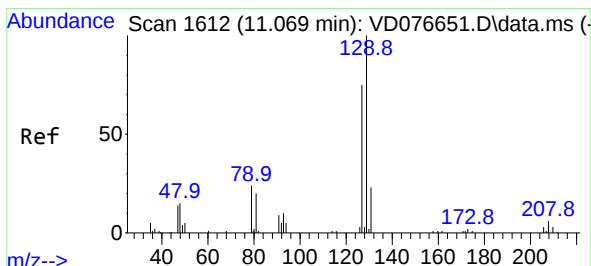
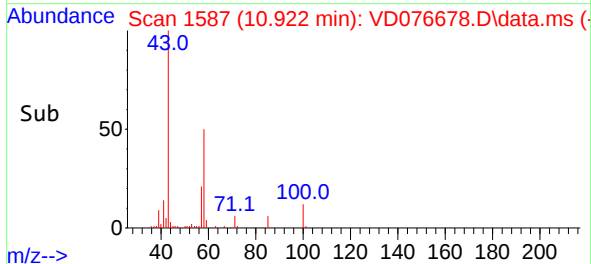
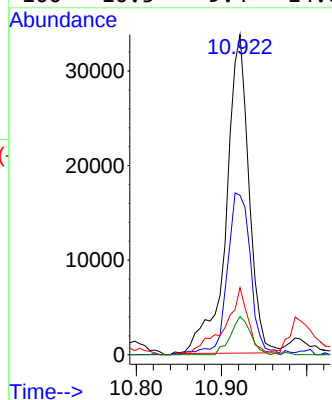


#48  
2-Hexanone  
Concen: 53.888 ug/L  
RT: 10.922 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

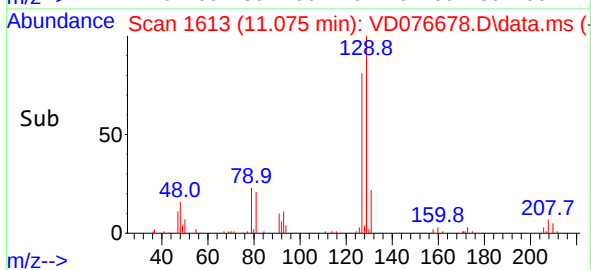
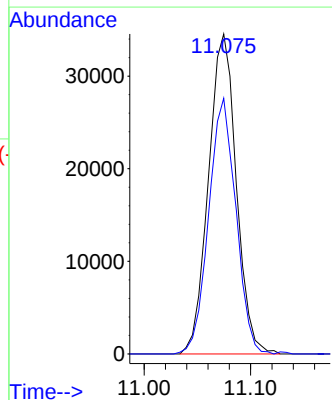
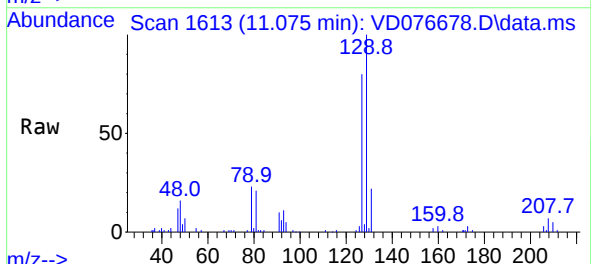


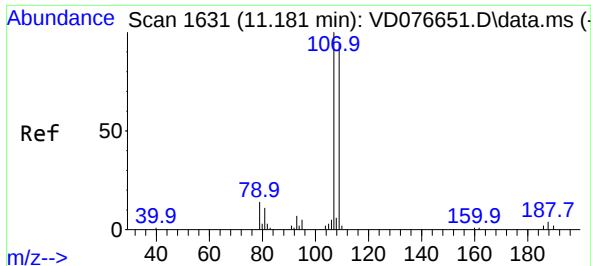
Tgt Ion: 43 Resp: 62583  
Ion Ratio Lower Upper  
43 100  
58 50.1 42.9 64.3  
57 21.8 13.7 20.5#  
100 10.5 9.4 14.0



#49  
Dibromochloromethane  
Concen: 29.521 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 129 Resp: 62726  
Ion Ratio Lower Upper  
129 100  
127 79.9 55.2 102.6

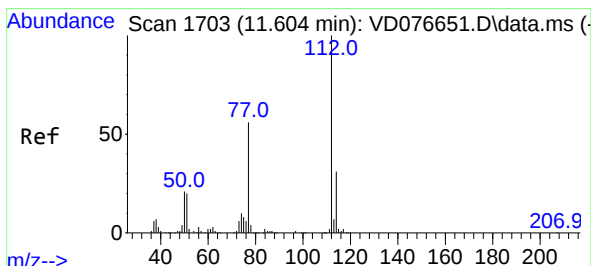
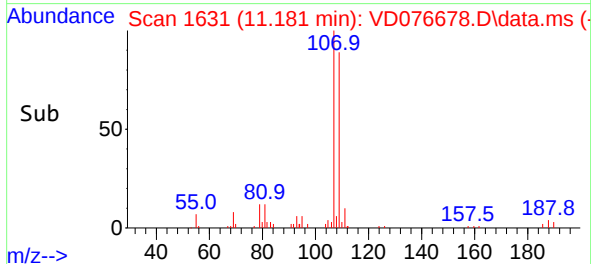
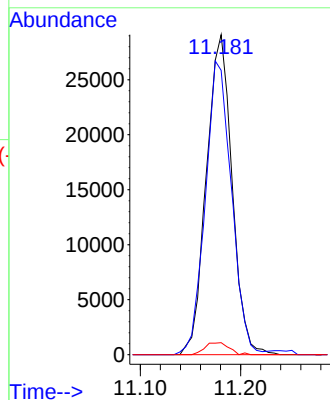
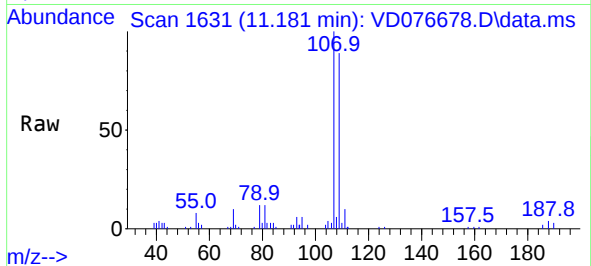




#50  
1,2-Dibromoethane  
Concen: 28.510 ug/L  
RT: 11.181 min Scan# 107  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

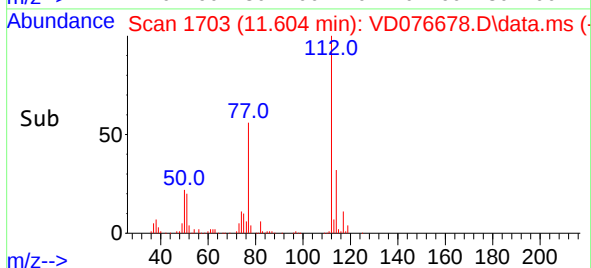
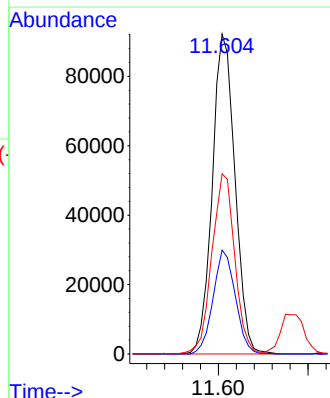
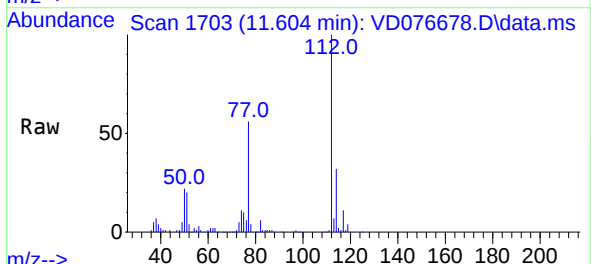
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

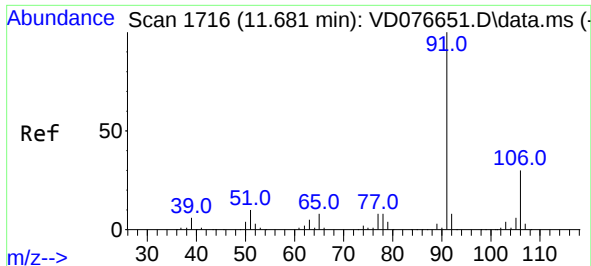
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 51737 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 88.9  | 58.8  | 109.2 |
| 188      | 3.8   | 2.9   | 4.3   |



#51  
Chlorobenzene  
Concen: 24.239 ug/L  
RT: 11.604 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 161688 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.5  | 21.5  | 39.9   |
| 77       | 56.3  | 43.4  | 65.2   |

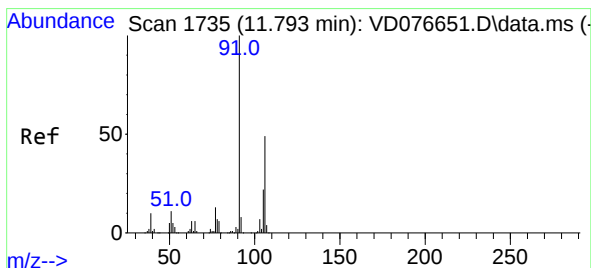
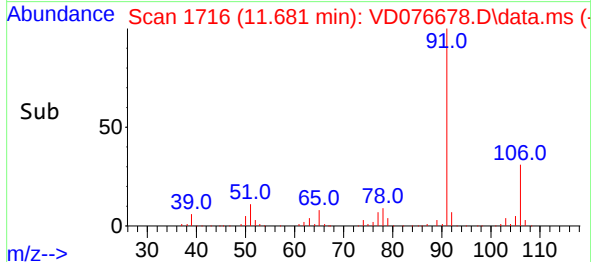
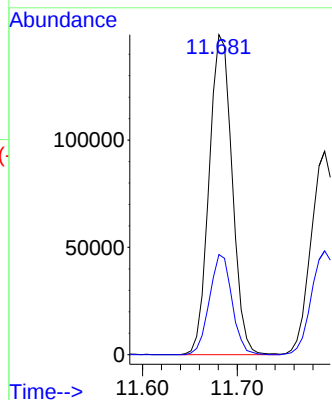
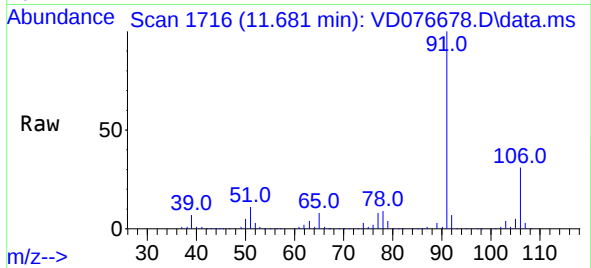




#52  
Ethylbenzene  
Concen: 21.904 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

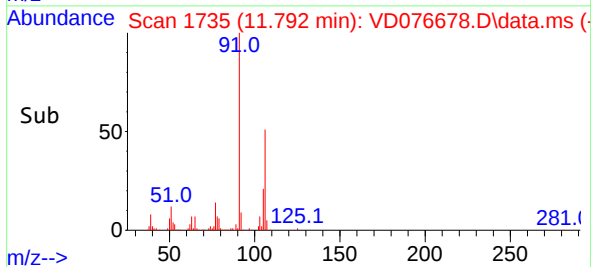
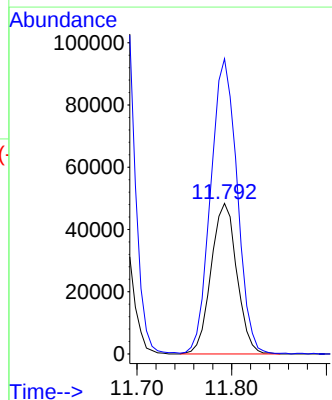
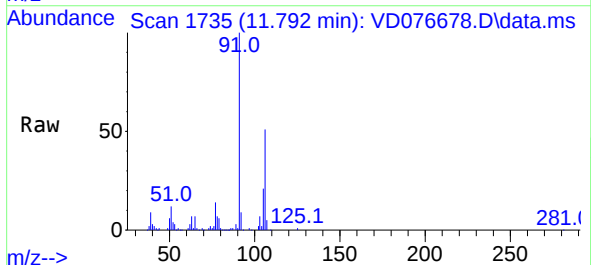
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

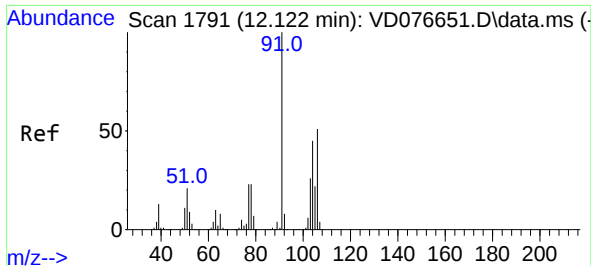
Tgt Ion: 91 Resp: 252246  
Ion Ratio Lower Upper  
91 100  
106 31.3 22.4 41.6



#53  
m,p-Xylene  
Concen: 20.149 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 106 Resp: 91188  
Ion Ratio Lower Upper  
106 100  
91 196.2 141.5 262.9

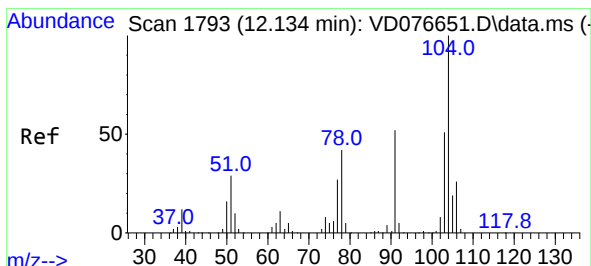
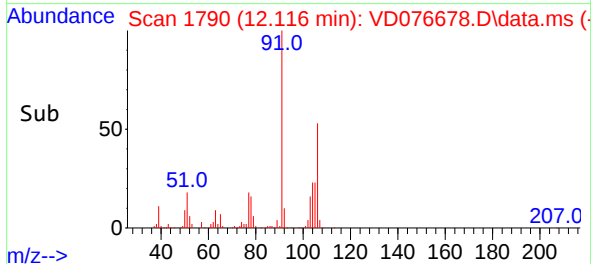
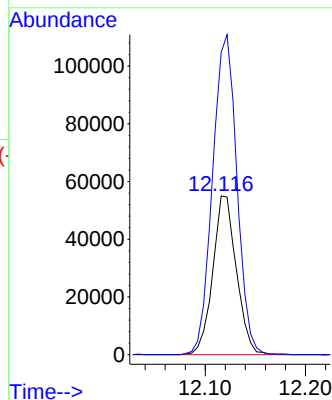
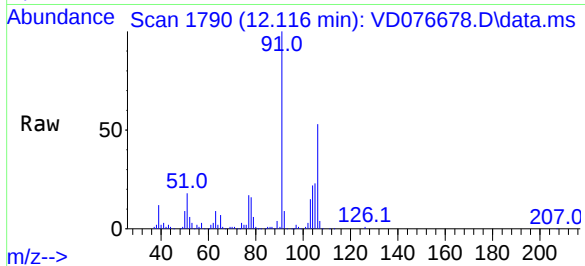




#54  
o-Xylene  
Concen: 20.868 ug/L  
RT: 12.116 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

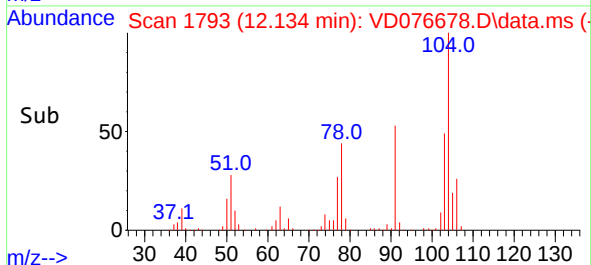
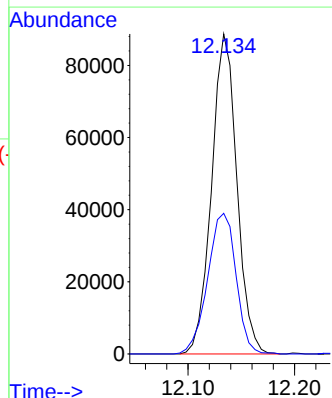
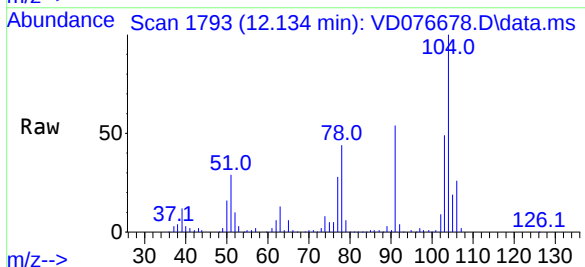
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

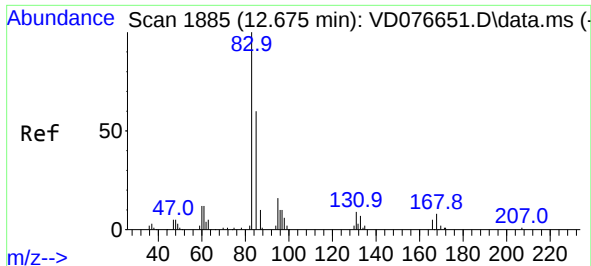
Tgt Ion:106 Resp: 89922  
Ion Ratio Lower Upper  
106 100  
91 190.5 142.2 264.2



#55  
Styrene  
Concen: 19.666 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion:104 Resp: 146411  
Ion Ratio Lower Upper  
104 100  
78 43.9 31.3 58.1

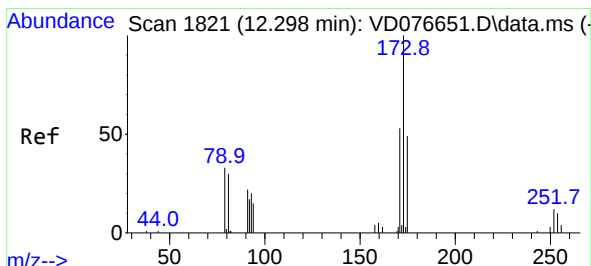
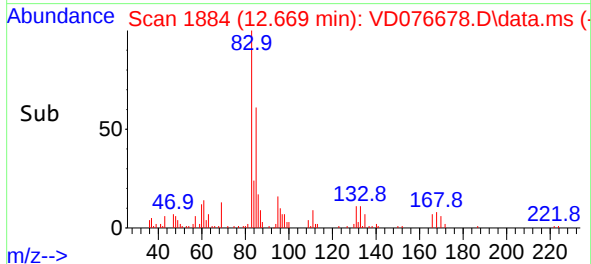
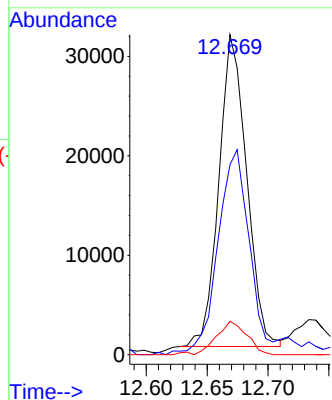
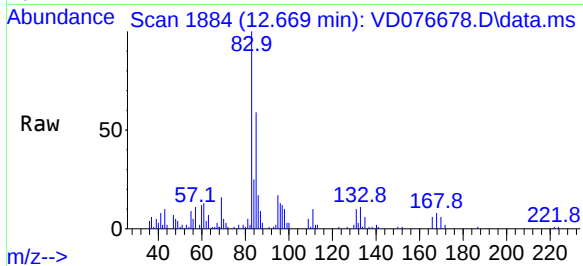




#57  
1,1,2,2-Tetrachloroethane  
Concen: 23.273 ug/L  
RT: 12.669 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

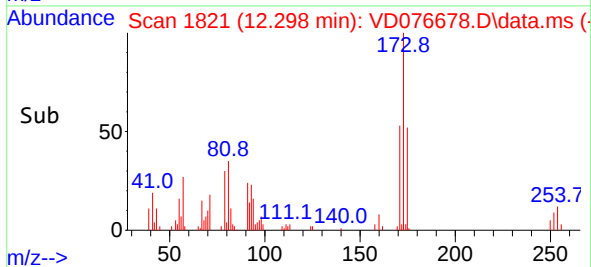
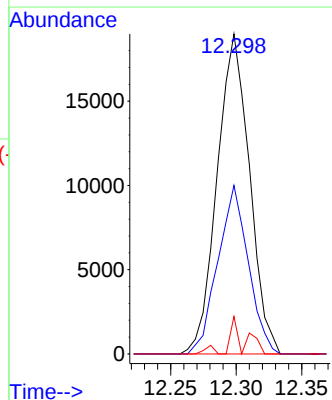
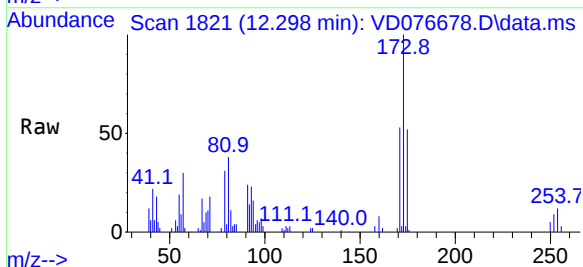
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

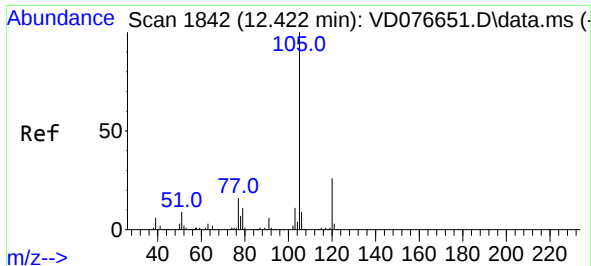
Tgt Ion: 83 Resp: 49729  
Ion Ratio Lower Upper  
83 100  
85 59.3 46.3 86.1  
131 10.4 7.0 10.4



#59  
Bromoform  
Concen: 40.006 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 173 Resp: 32595  
Ion Ratio Lower Upper  
173 100  
175 49.6 39.0 58.4  
254 2.4 5.3 7.9

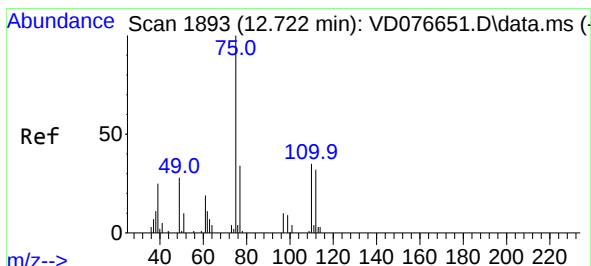
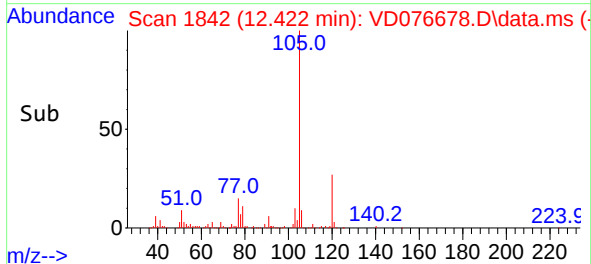
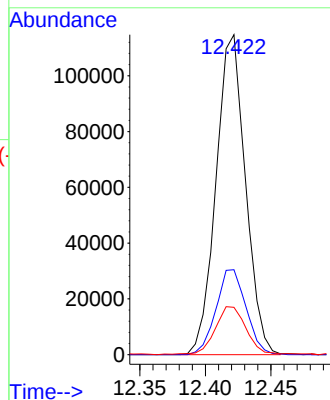
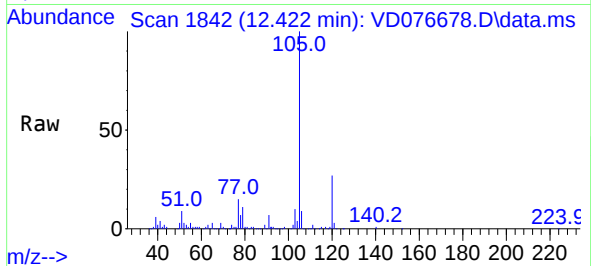




#60  
Isopropylbenzene  
Concen: 25.722 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

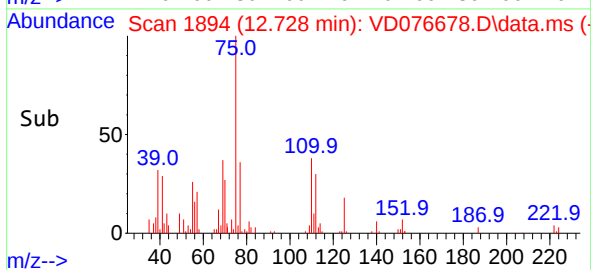
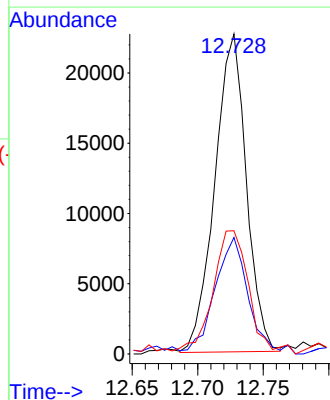
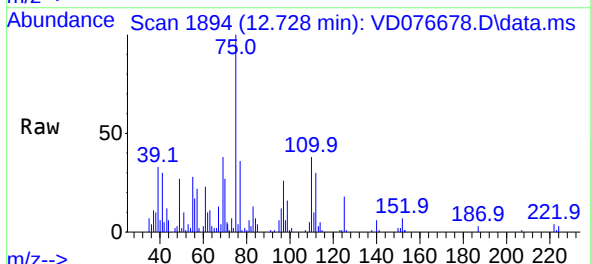
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

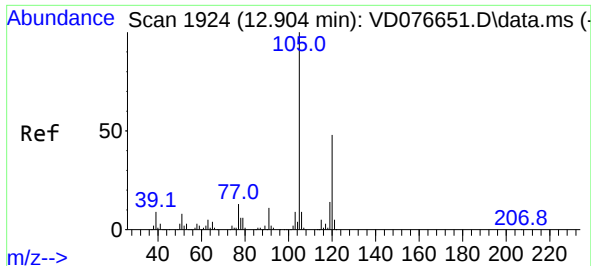
Tgt Ion:105 Resp: 179061  
Ion Ratio Lower Upper  
105 100  
120 27.1 21.3 31.9  
77 15.8 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 42.850 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion: 75 Resp: 37849  
Ion Ratio Lower Upper  
75 100  
77 36.3 27.2 40.8  
110 40.8 31.8 47.6

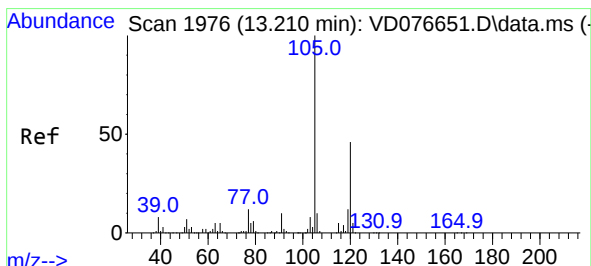
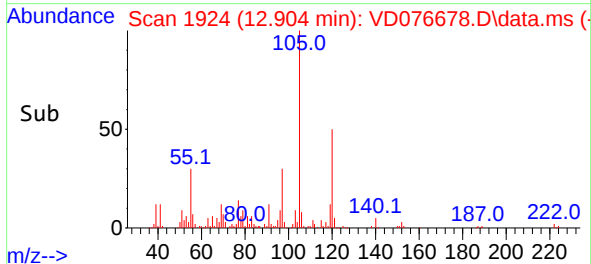
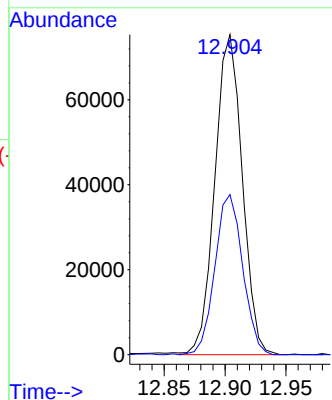
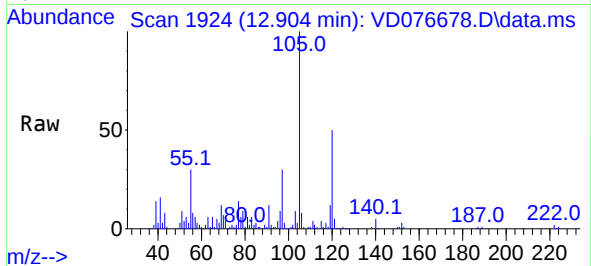




#62  
1,3,5-Trimethylbenzene  
Concen: 21.187 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

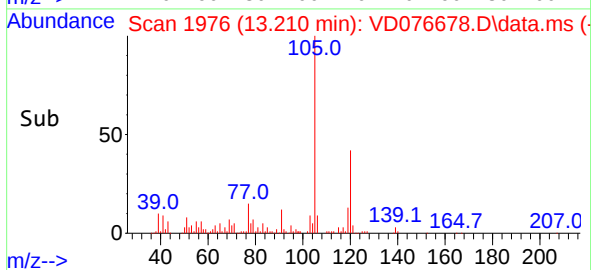
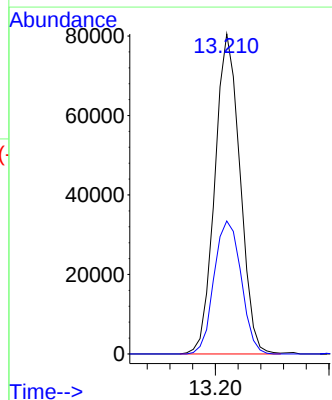
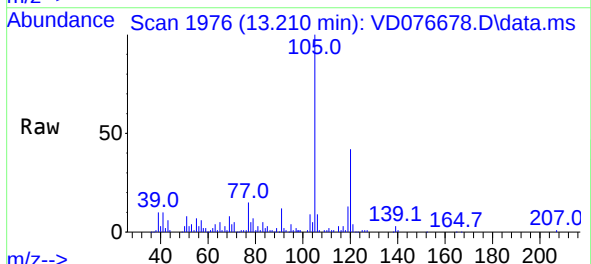
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

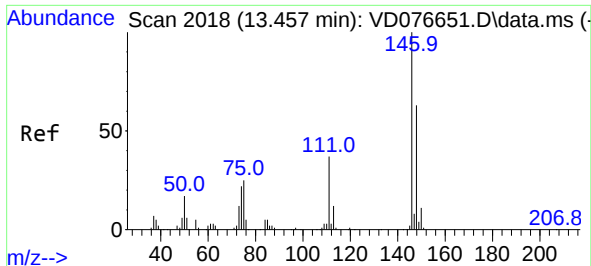
Tgt Ion:105 Resp: 118007  
Ion Ratio Lower Upper  
105 100  
120 50.6 39.8 59.6



#63  
1,2,4-Trimethylbenzene  
Concen: 22.599 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion:105 Resp: 124205  
Ion Ratio Lower Upper  
105 100  
120 44.5 37.5 56.3

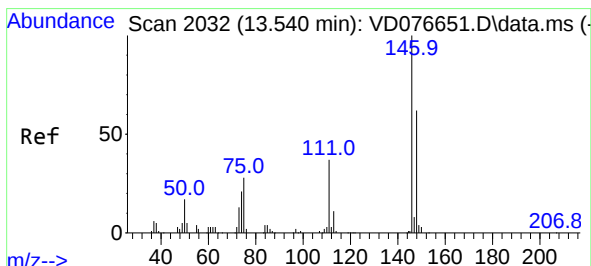
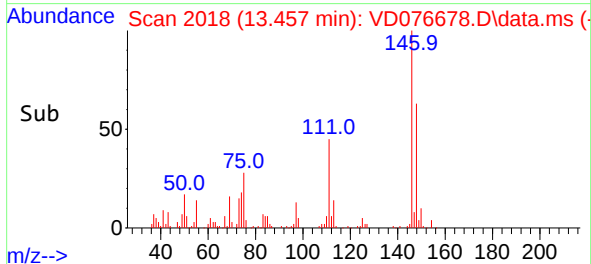
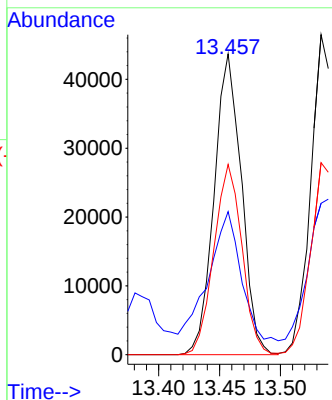
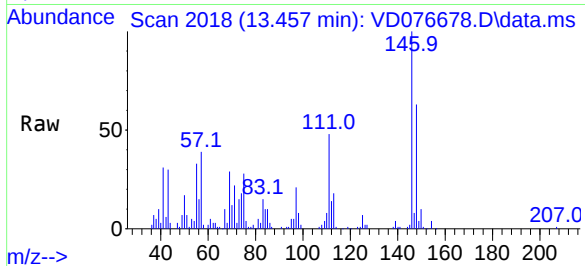




#64  
1,3-Dichlorobenzene  
Concen: 21.981 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

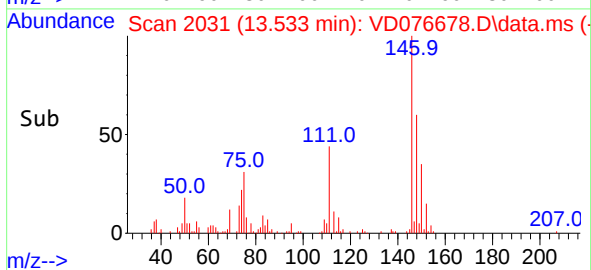
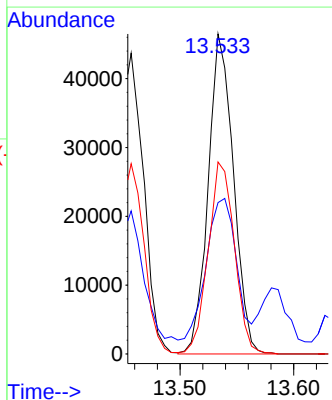
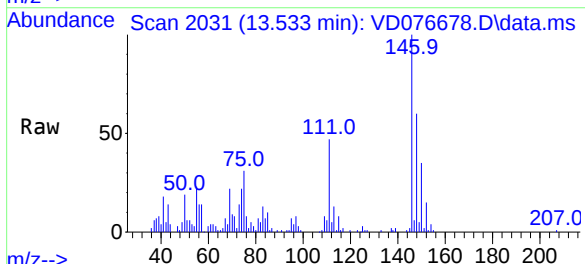
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

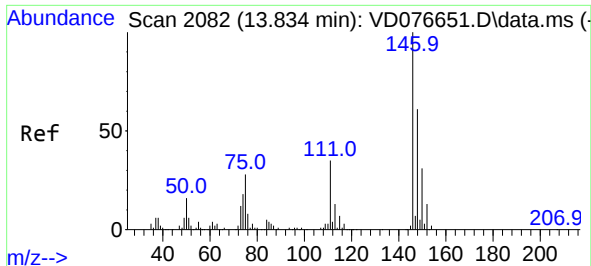
Tgt Ion:146 Resp: 68074  
Ion Ratio Lower Upper  
146 100  
111 47.6 25.6 47.4#  
148 63.3 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 23.039 ug/L  
RT: 13.533 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion:146 Resp: 71923  
Ion Ratio Lower Upper  
146 100  
111 47.3 25.7 47.7  
148 60.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 23.021 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD076678.D

Acq: 30 Jun 2023 22:19

Instrument :

MSVOA\_D

ClientSampleId :

A46Q1MS

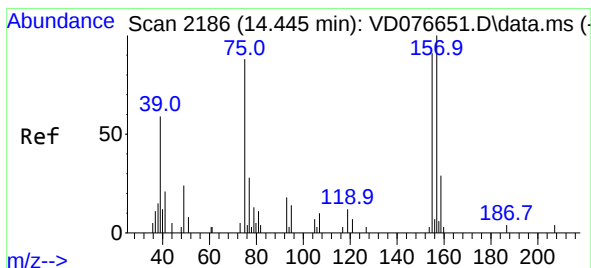
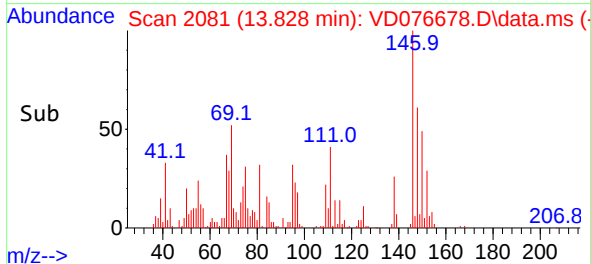
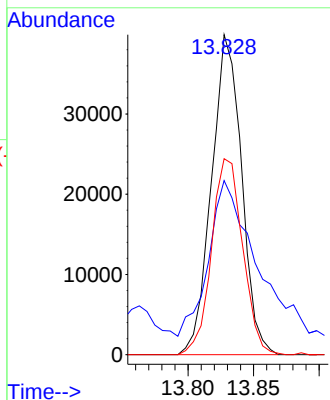
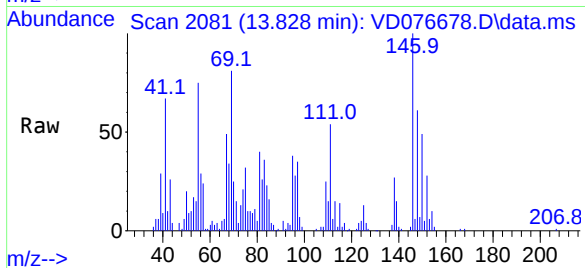
Tgt Ion:146 Resp: 63514

Ion Ratio Lower Upper

146 100

111 54.4 31.3 46.9#

148 61.3 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 34.448 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD076678.D

Acq: 30 Jun 2023 22:19

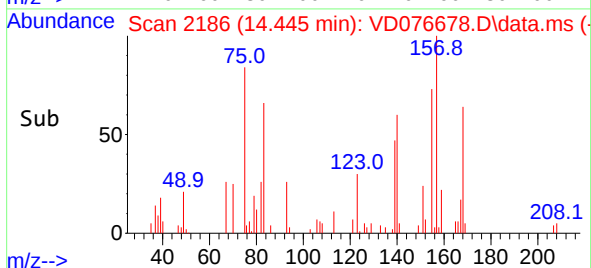
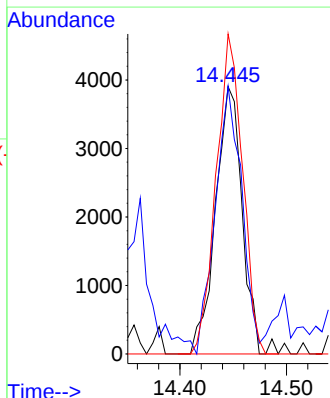
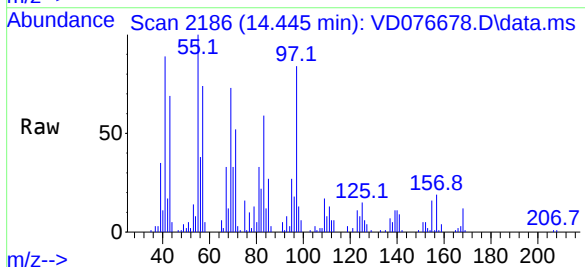
Tgt Ion: 75 Resp: 6781

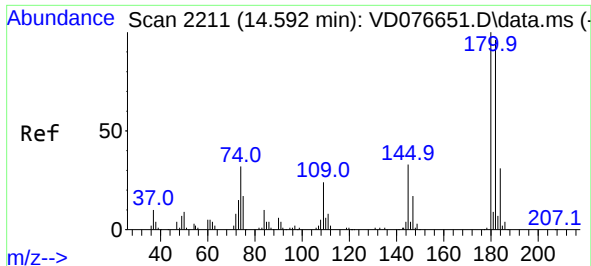
Ion Ratio Lower Upper

75 100

155 100.1 76.2 114.4

157 119.7 89.4 134.2

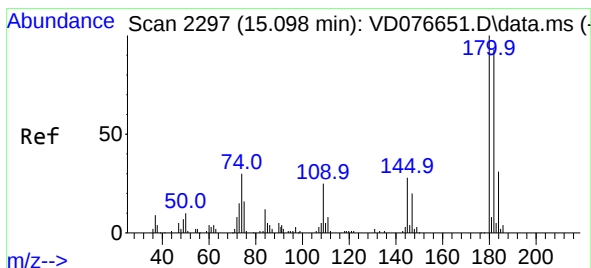
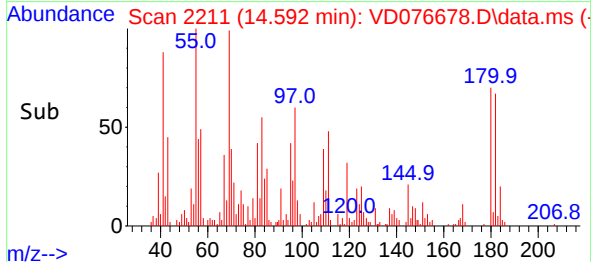
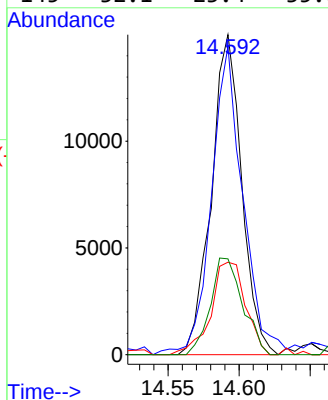
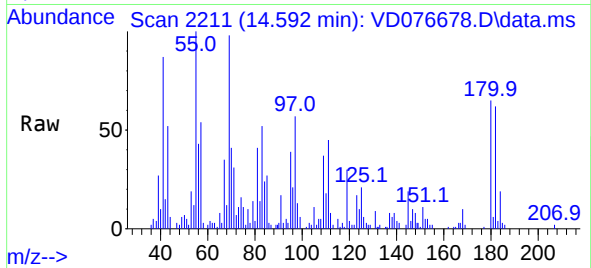




#69  
1,3,5-Trichlorobenzene  
Concen: 10.793 ug/L  
RT: 14.592 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

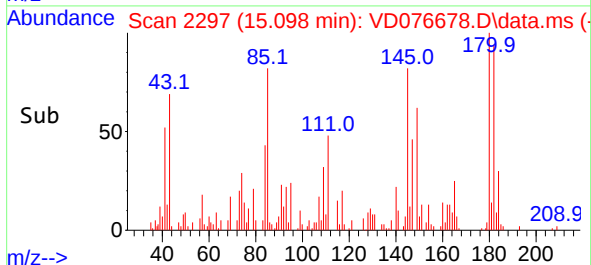
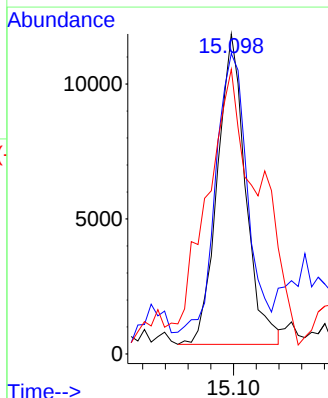
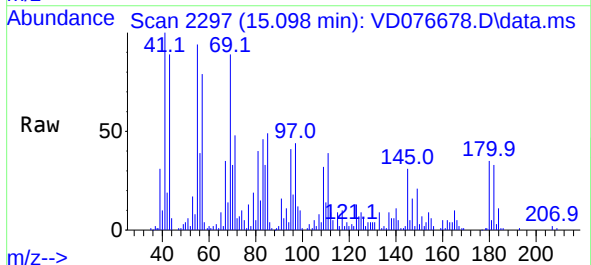
Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

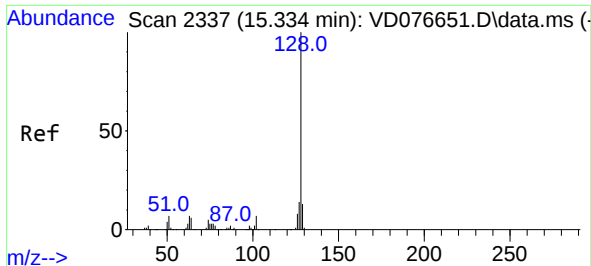
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 22295      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.3  | 77.1 115.7 |
| 184         | 33.0  | 25.0 37.4  |
| 145         | 32.1  | 23.4 35.0  |



#70  
1,2,4-trichlorobenzene  
Concen: 10.770 ug/L  
RT: 15.098 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 19796      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 104.2 | 76.9 115.3 |
| 145         | 112.7 | 23.5 35.3  |

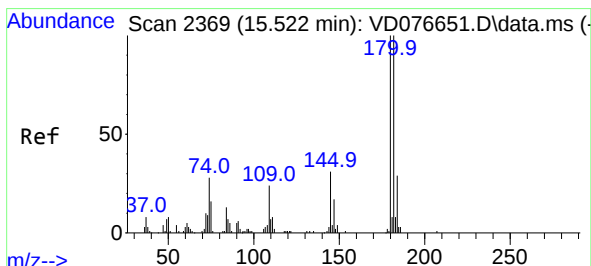
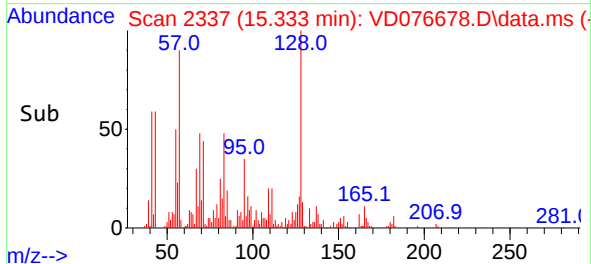
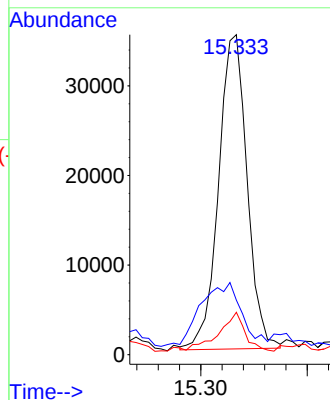
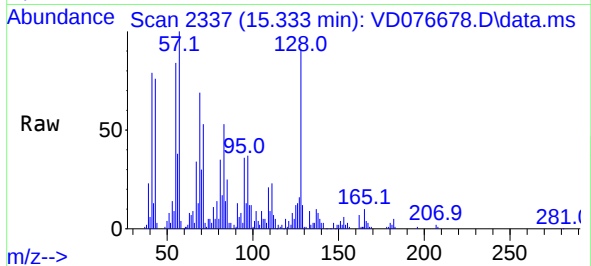




#71  
Naphthalene  
Concen: 18.537 ug/L  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Instrument :  
MSVOA\_D  
ClientSampleId :  
A46Q1MS

Tgt Ion:128 Resp: 65232  
Ion Ratio Lower Upper  
128 100  
127 16.8 10.8 16.2#  
129 11.3 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 0.923 ug/L  
RT: 15.733 min Scan# 2405  
Delta R.T. 0.211 min  
Lab File: VD076678.D  
Acq: 30 Jun 2023 22:19

Tgt Ion:180 Resp: 1474  
Ion Ratio Lower Upper  
180 100  
182 107.7 74.3 111.5  
145 25.1 25.0 37.6

