

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042823\  
 Data File : VD075906.D  
 Acq On : 29 Apr 2023 00:20  
 Operator : KP/SY  
 Sample : 02525-14MS  
 Misc : 5.72G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCL0MS

Quant Time: Apr 29 05:16:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 29 05:12:16 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 135694   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 142291   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 70031    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 66680    | 22.400   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.600%   |
| 7) Chloroethane-d5            | 2.805  | 69    | 62608    | 24.342   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.360%   |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 14462    | 21.073   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.280%   |
| 21) 2-Butanone-d5             | 6.987  | 46    | 28915    | 111.891  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 223.780%# |
| 24) Chloroform-d              | 7.569  | 84    | 95666    | 28.193   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 112.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 52742    | 36.397   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 145.600%# |
| 32) Benzene-d6                | 8.204  | 84    | 188247   | 22.699   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.800%   |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 59313    | 25.839   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 103.360%  |
| 41) Toluene-d8                | 10.269 | 98    | 173388   | 22.332   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.320%   |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 27226    | 28.694   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 114.760%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 24988    | 90.407   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 180.820%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 73190    | 41.666   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 166.680%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 64435    | 26.012   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.040%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 40680    | 21.747   | ug/L   | 100       |
| 3) Chloromethane              | 2.146  | 50    | 73131    | 28.044   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.287  | 62    | 79002    | 23.180   | ug/L   | 94        |
| 6) Bromomethane               | 2.693  | 94    | 55356    | 24.172   | ug/L   | 94        |
| 8) Chloroethane               | 2.834  | 64    | 56095    | 25.449   | ug/L   | 95        |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 60723    | 22.174   | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 37381    | 20.319   | ug/L # | 82        |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 40335    | 22.607   | ug/L   | 83        |
| 13) Acetone                   | 4.016  | 43    | 27069    | 122.402  | ug/L   | 98        |
| 14) Carbon disulfide          | 4.275  | 76    | 145575   | 23.360   | ug/L   | 96        |
| 15) Methyl Acetate            | 4.563  | 43    | 26157    | 54.576   | ug/L # | 57        |
| 16) Methylene chloride        | 4.805  | 84    | 67246    | 24.429   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 49585    | 24.785   | ug/L   | 90        |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 115226   | 35.906   | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 83213    | 28.393   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 58730    | 27.763   | ug/L   | 89        |
| 22) 2-Butanone                | 7.075  | 43    | 30296    | 105.082  | ug/L   | 95        |
| 23) Bromochloromethane        | 7.428  | 128   | 34342    | 35.005   | ug/L   | 92        |
| 25) Chloroform                | 7.599  | 83    | 96455    | 29.366   | ug/L   | 97        |

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 ALS Vial : 31 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :  
 DCCL0MS

Quant Time: Apr 29 05:16:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Apr 29 05:12:16 2023  
 Response via : Initial Calibration

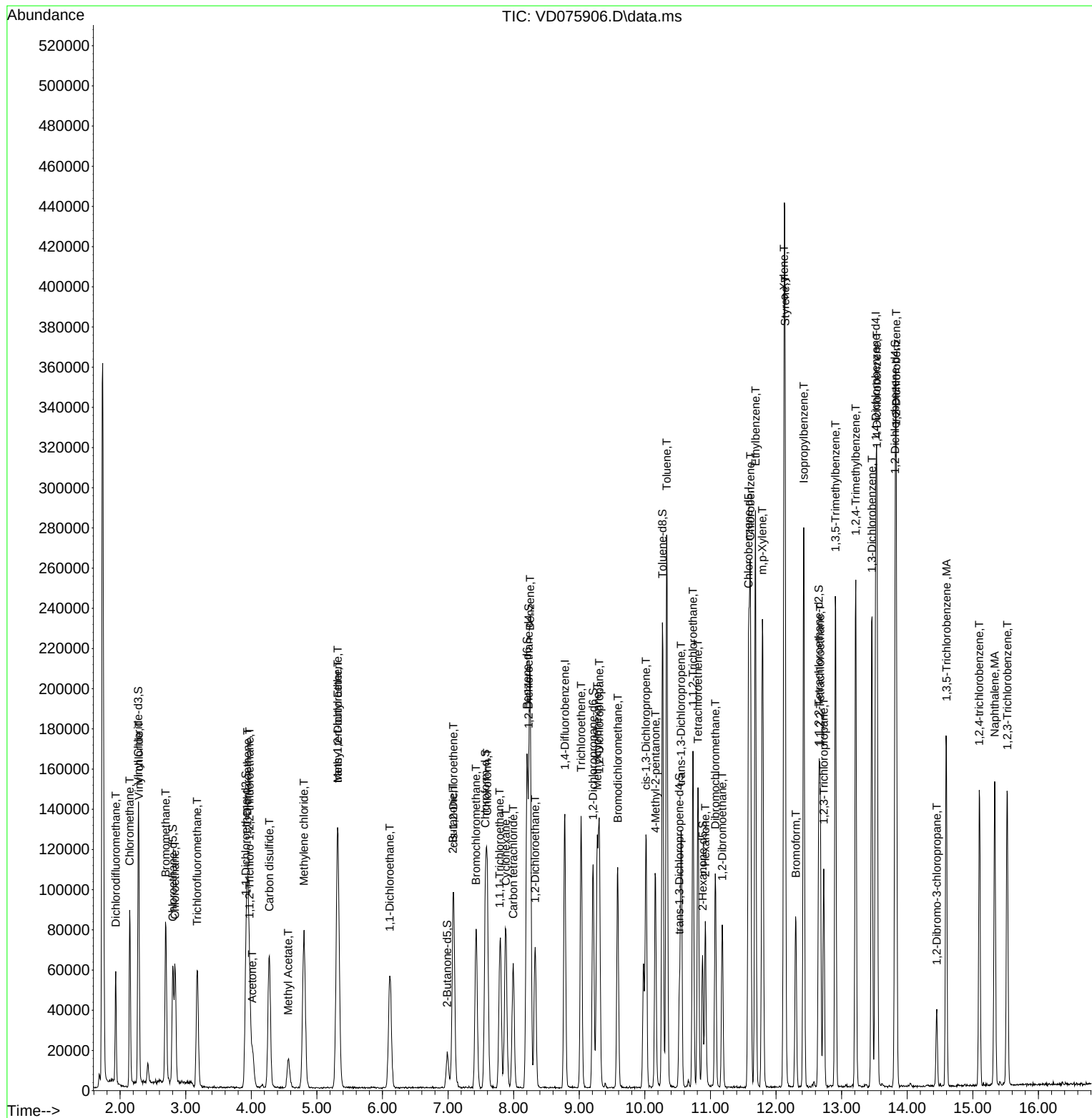
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 64324    | 37.939 | ug/L  | 99       |
| 29) Cyclohexane               | 7.881  | 56   | 40237    | 16.518 | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 64147    | 21.307 | ug/L  | 97       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 48243    | 19.974 | ug/L  | 99       |
| 33) Benzene                   | 8.251  | 78   | 203601   | 23.655 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 47566    | 21.370 | ug/L  | 91       |
| 35) Methylcyclohexane         | 9.275  | 83   | 51609    | 15.039 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 54719    | 27.676 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 75189    | 28.205 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 80327    | 25.547 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 64288    | 89.184 | ug/L  | 97       |
| 42) Toluene                   | 10.334 | 91   | 223881   | 24.037 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 77728    | 30.772 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 57010    | 33.894 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.810 | 164  | 38401    | 21.034 | ug/L  | 92       |
| 48) 2-Hexanone                | 10.922 | 43   | 45180    | 88.906 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.075 | 129  | 58902    | 32.167 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 56316    | 37.137 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.610 | 112  | 150767   | 24.743 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.687 | 91   | 205577   | 21.524 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.792 | 106  | 83801    | 22.035 | ug/L  | 99       |
| 54) o-Xylene                  | 12.122 | 106  | 84404    | 23.366 | ug/L  | 99       |
| 55) Styrene                   | 12.139 | 104  | 161369   | 25.667 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 70018    | 40.913 | ug/L  | 98       |
| 59) Bromoform                 | 12.304 | 173  | 40078    | 37.341 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 186739   | 20.110 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 45834    | 41.663 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 137455   | 19.851 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 142015   | 21.276 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 107279   | 24.145 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 112893   | 24.210 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 104958   | 26.453 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 9677     | 44.001 | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 58380    | 19.604 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 50731    | 20.556 | ug/L  | 99       |
| 71) Naphthalene               | 15.333 | 128  | 140826   | 31.182 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 53469    | 24.272 | ug/L  | 98       |

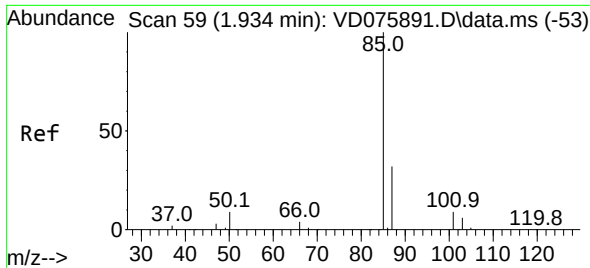
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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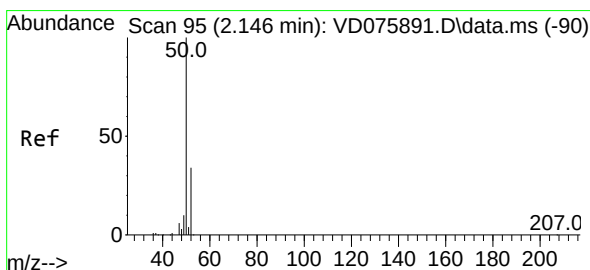
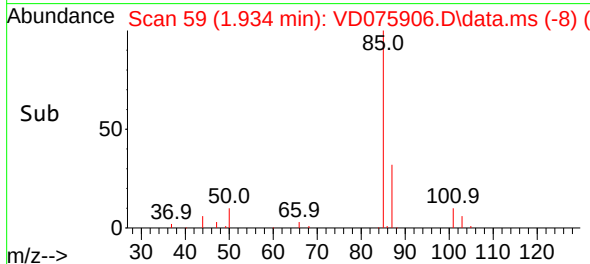
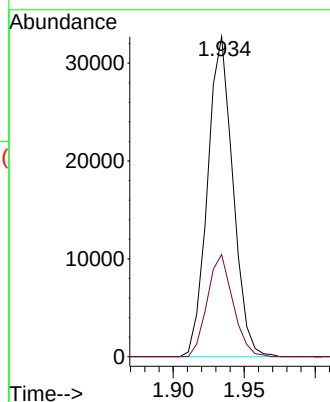
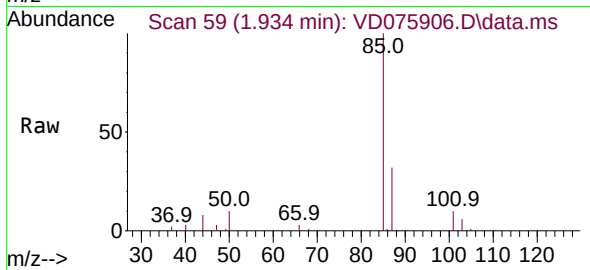




#2  
 Dichlorodifluoromethane  
 Concen: 21.747 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

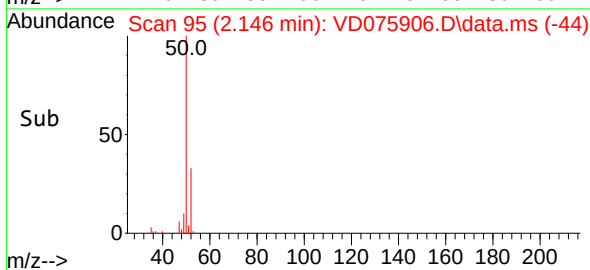
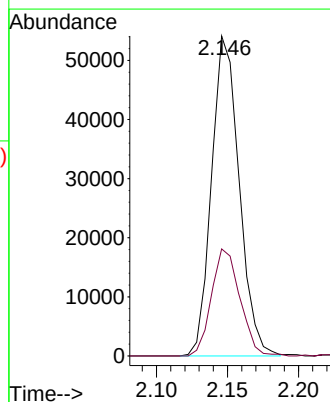
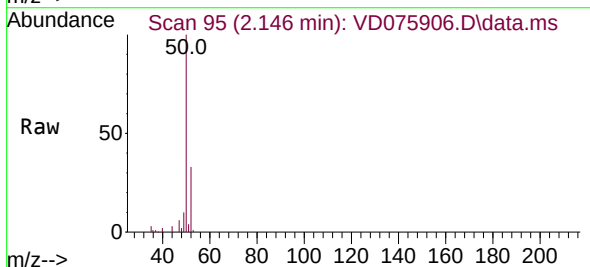
Instrument :  
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 ClientSampleId :  
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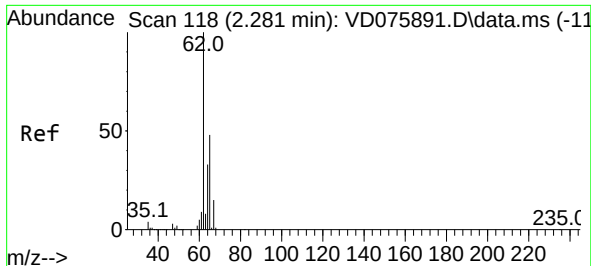
Tgt Ion: 85 Resp: 40680  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 25.8 38.8



#3  
 Chloromethane  
 Concen: 28.044 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. -0.000 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

Tgt Ion: 50 Resp: 73131  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 23.7 44.1

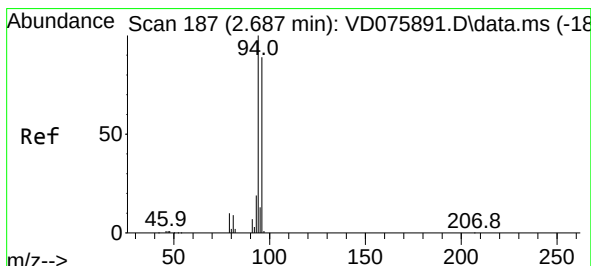
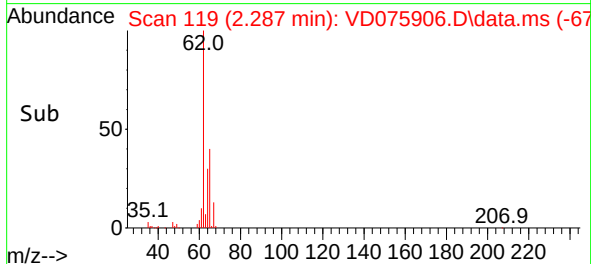
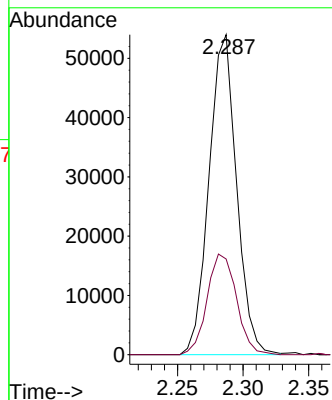
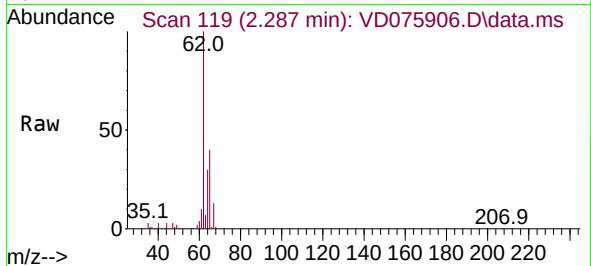




#5  
 Vinyl chloride  
 Concen: 23.180 ug/L  
 RT: 2.287 min Scan# 118  
 Delta R.T. 0.006 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

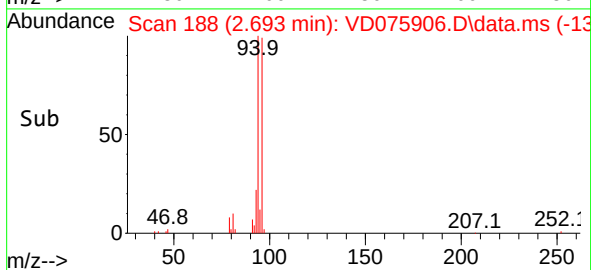
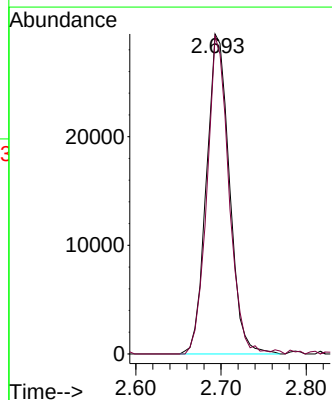
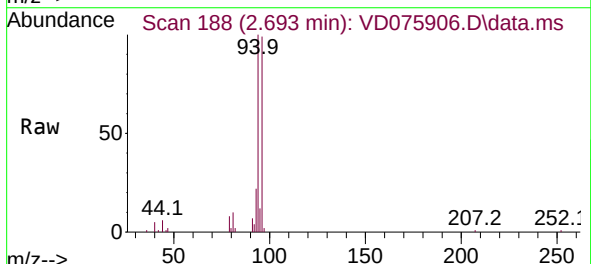
Instrument :  
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 ClientSampleId :  
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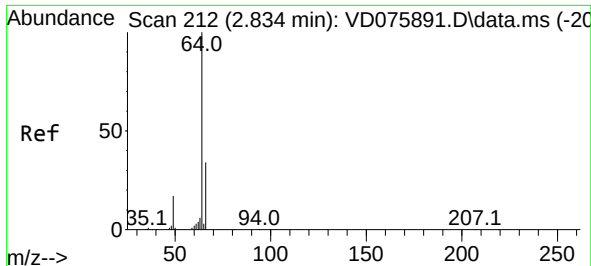
Tgt Ion: 62 Resp: 79002  
 Ion Ratio Lower Upper  
 62 100  
 64 29.9 23.2 43.0



#6  
 Bromomethane  
 Concen: 24.172 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. 0.006 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

Tgt Ion: 94 Resp: 55356  
 Ion Ratio Lower Upper  
 94 100  
 96 99.3 65.7 121.9

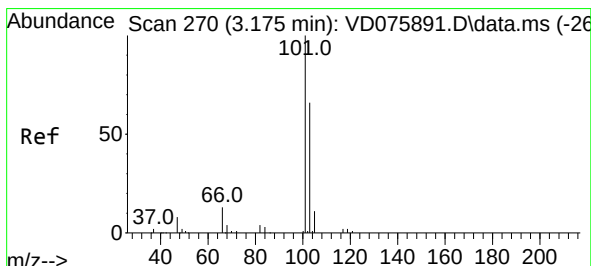
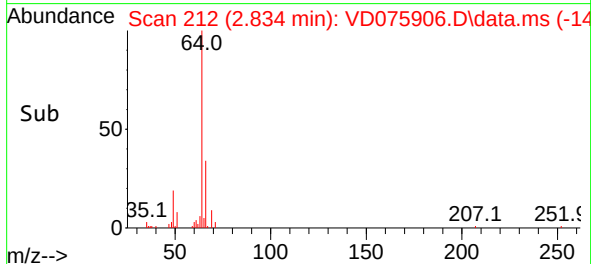
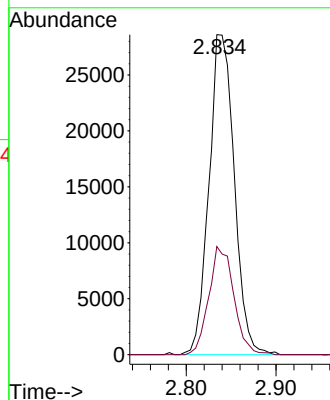
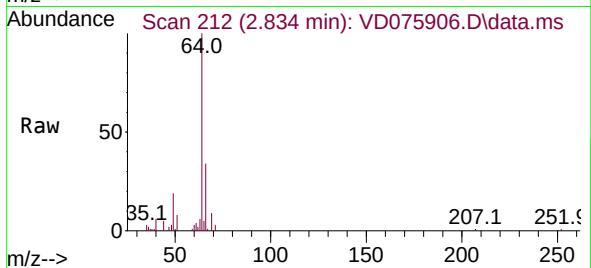




#8  
Chloroethane  
Concen: 25.449 ug/L  
RT: 2.834 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

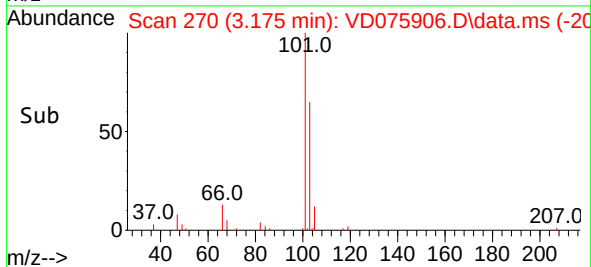
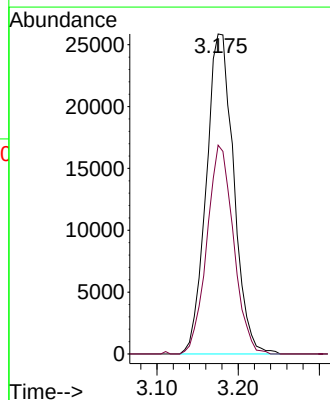
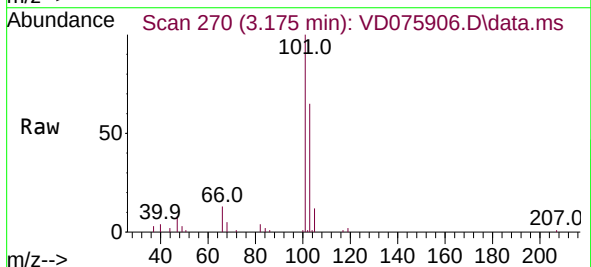
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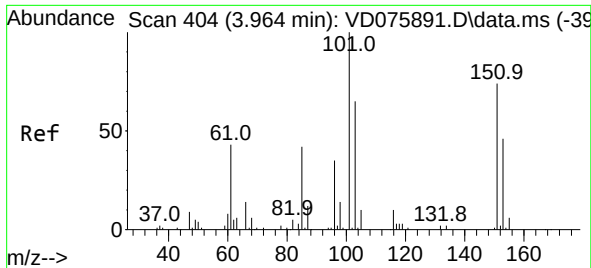
Tgt Ion: 64 Resp: 56095  
Ion Ratio Lower Upper  
64 100  
66 33.8 21.8 40.4



#9  
Trichlorofluoromethane  
Concen: 22.174 ug/L  
RT: 3.175 min Scan# 270  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:101 Resp: 60723  
Ion Ratio Lower Upper  
101 100  
103 63.3 52.2 78.4

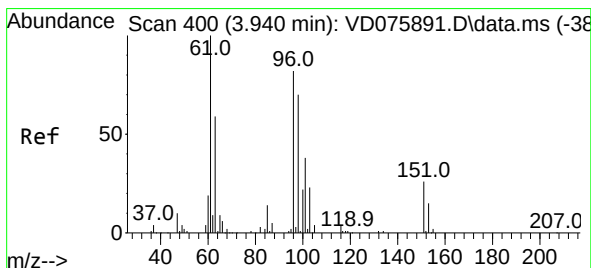
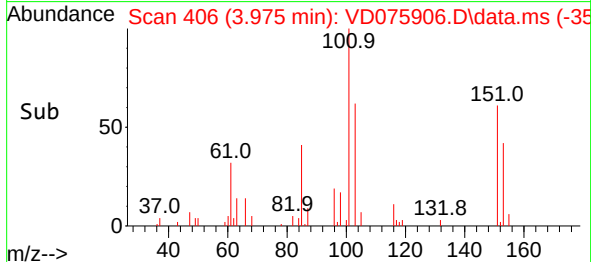
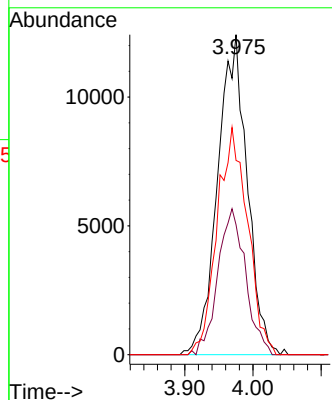
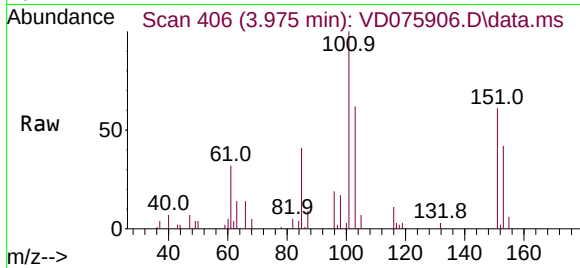




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 20.319 ug/L  
 RT: 3.975 min Scan# 406  
 Delta R.T. 0.012 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

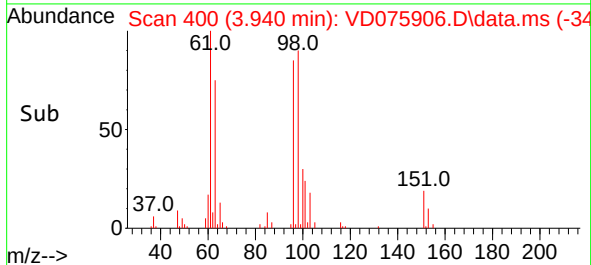
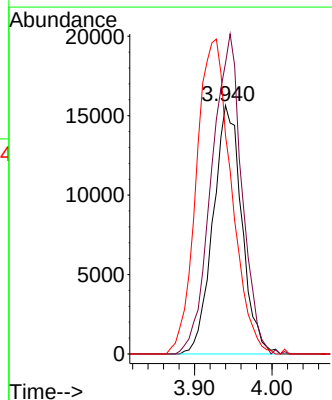
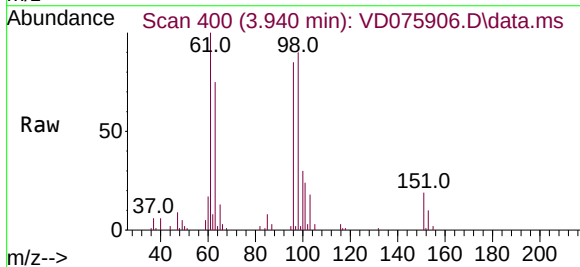
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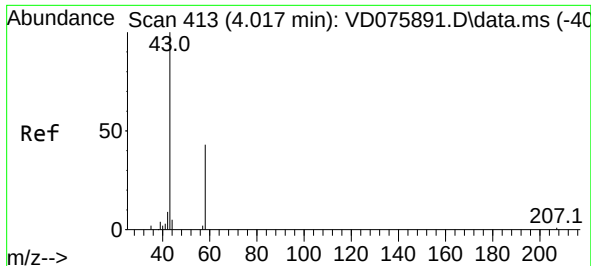
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 Ion Ratio Lower Upper  
 101 100  
 85 42.8 32.9 49.3  
 151 49.0 57.2 85.8#



#12  
 1,1-Dichloroethene  
 Concen: 22.607 ug/L  
 RT: 3.940 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

Tgt Ion: 96 Resp: 40335  
 Ion Ratio Lower Upper  
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 61 117.0 92.6 172.0  
 63 88.0 77.4 143.8

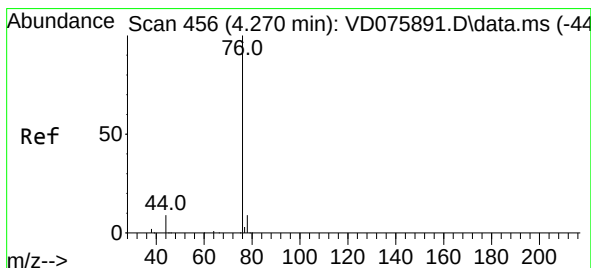
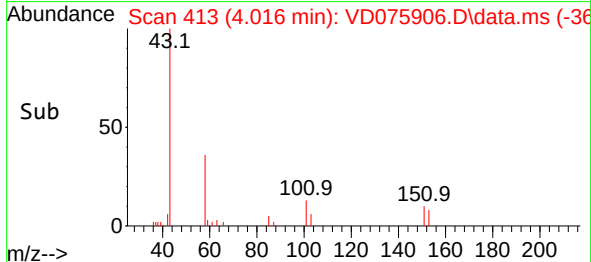
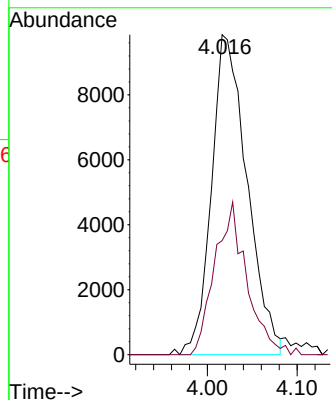
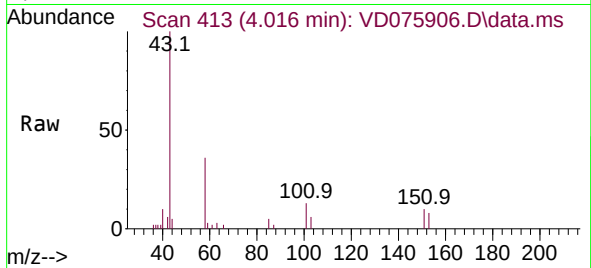




#13  
Acetone  
Concen: 122.402 ug/L  
RT: 4.016 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

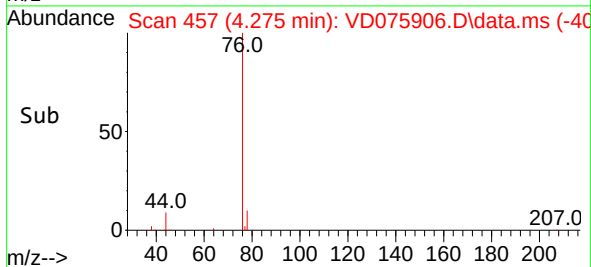
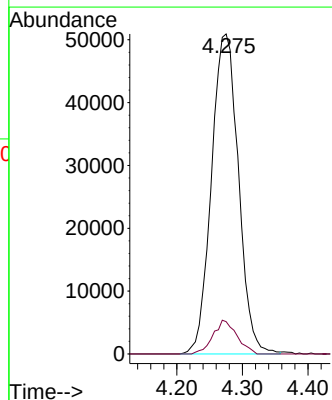
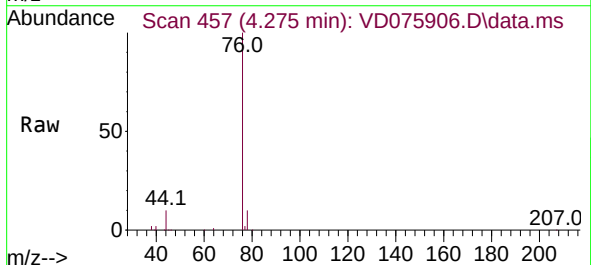
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

Tgt Ion: 43 Resp: 27069  
Ion Ratio Lower Upper  
43 100  
58 42.5 0.0 87.4

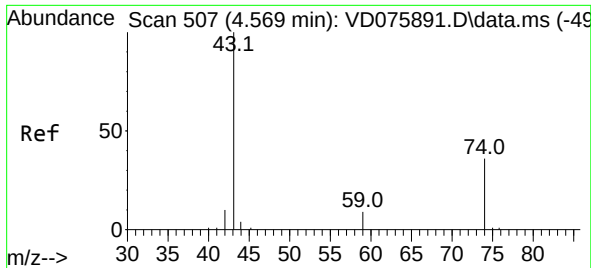


#14  
Carbon disulfide  
Concen: 23.360 ug/L  
RT: 4.275 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 76 Resp: 145575  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.0 10.6



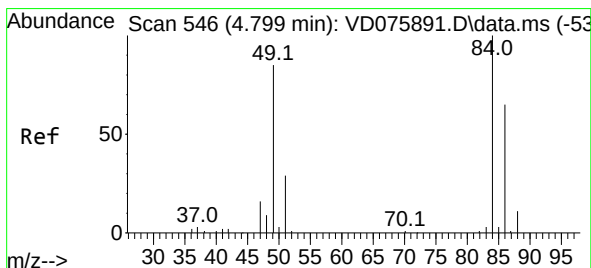
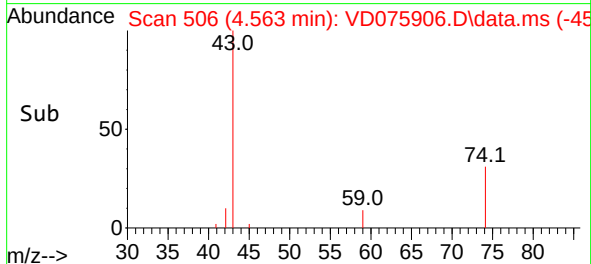
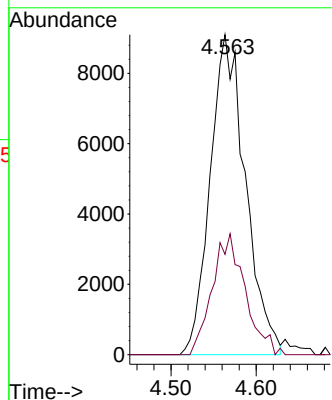
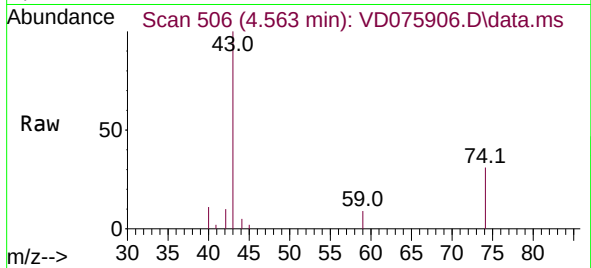




#15  
Methyl Acetate  
Concen: 54.576 ug/L  
RT: 4.563 min Scan# 507  
Delta R.T. -0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

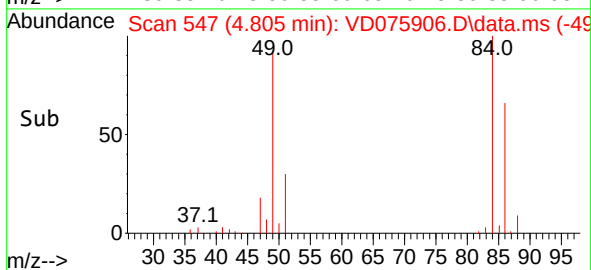
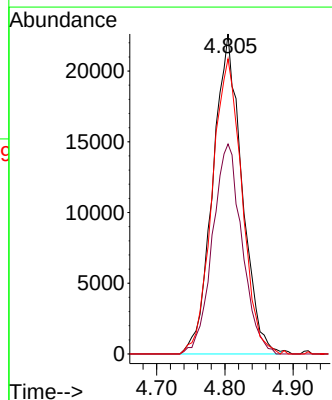
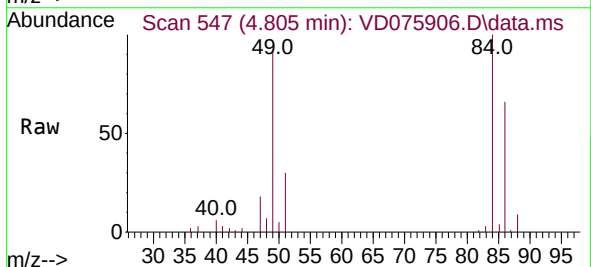
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

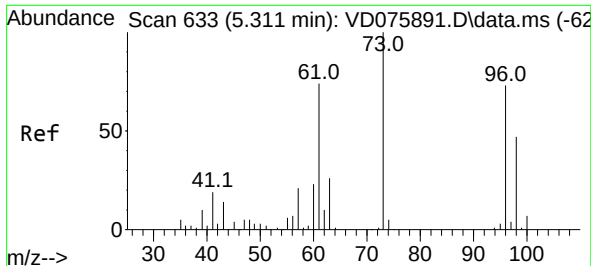
Tgt Ion: 43 Resp: 26157  
Ion Ratio Lower Upper  
43 100  
74 34.2 12.8 19.2#



#16  
Methylene chloride  
Concen: 24.429 ug/L  
RT: 4.805 min Scan# 547  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 84 Resp: 67246  
Ion Ratio Lower Upper  
84 100  
86 65.6 45.8 85.2  
49 92.3 60.8 112.8

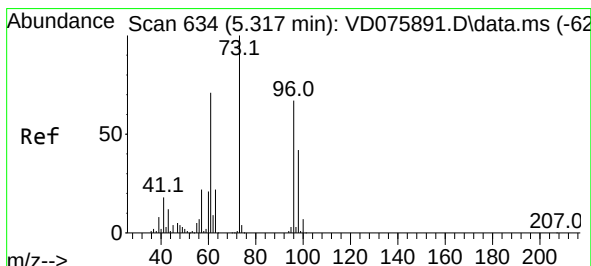
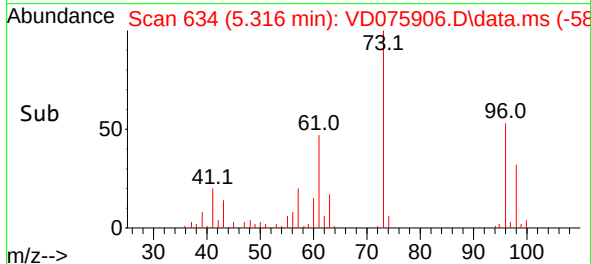
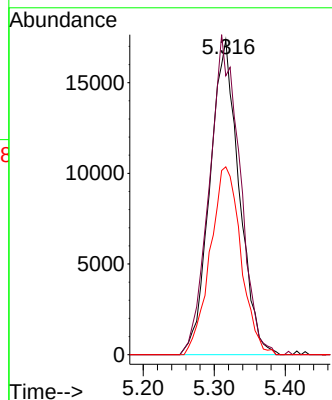
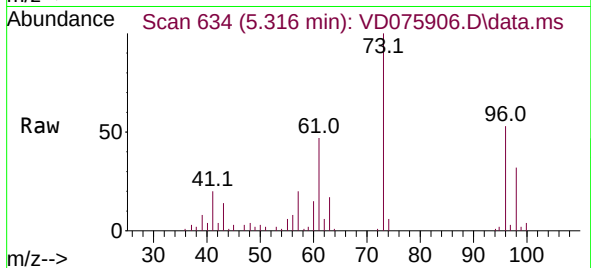




#17  
trans-1,2-Dichloroethene  
Concen: 24.785 ug/L  
RT: 5.316 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

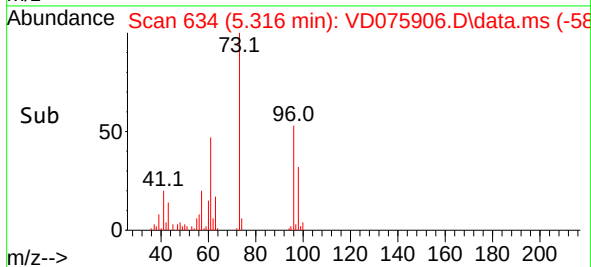
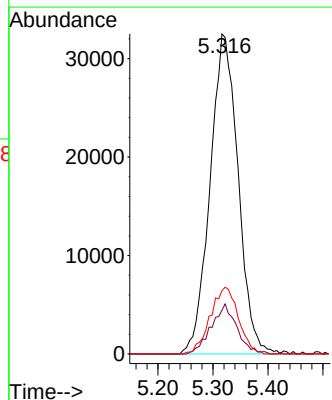
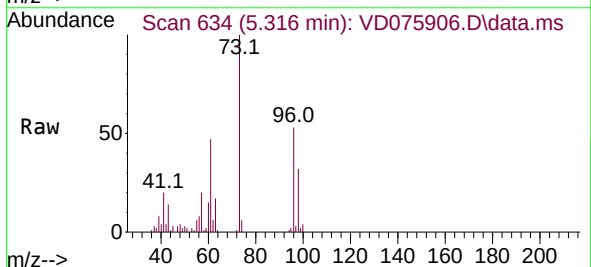
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

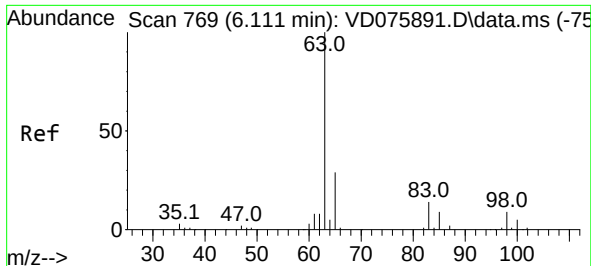
Tgt Ion: 96 Resp: 49585  
Ion Ratio Lower Upper  
96 100  
61 88.7 72.9 135.5  
98 59.7 43.0 79.8



#18  
Methyl tert-butyl Ether  
Concen: 35.906 ug/L  
RT: 5.316 min Scan# 634  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 73 Resp: 115226  
Ion Ratio Lower Upper  
73 100  
43 14.0 11.3 16.9  
57 20.7 16.3 24.5





#19

1,1-Dichloroethane

Concen: 28.393 ug/L

RT: 6.110 min Scan# 769

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

DCCL0MS

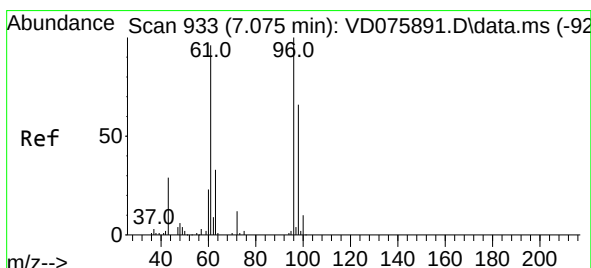
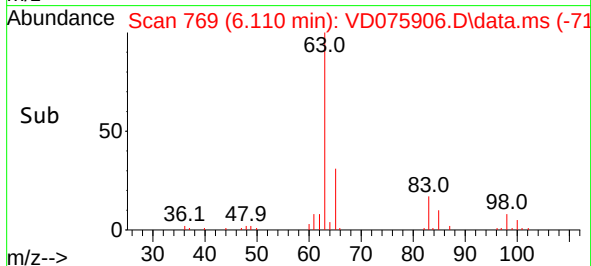
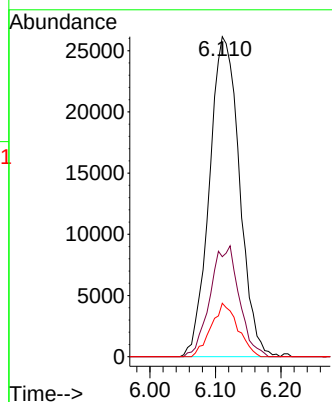
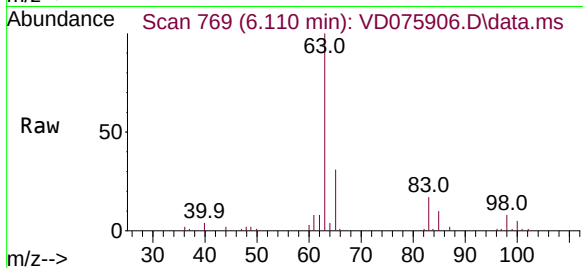
Tgt Ion: 63 Resp: 83213

Ion Ratio Lower Upper

63 100

65 31.3 22.8 42.4

83 16.7 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 27.763 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

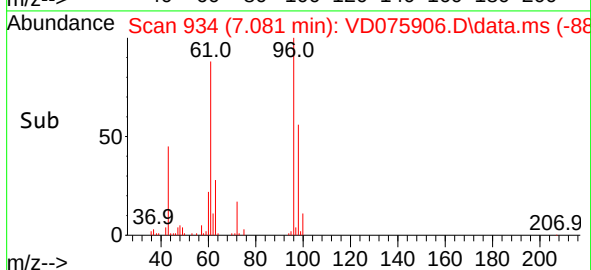
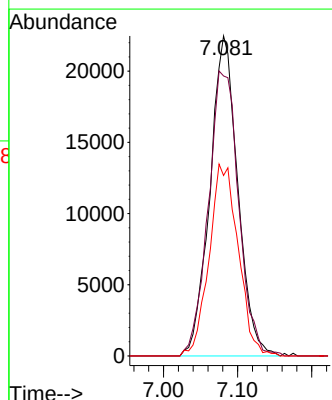
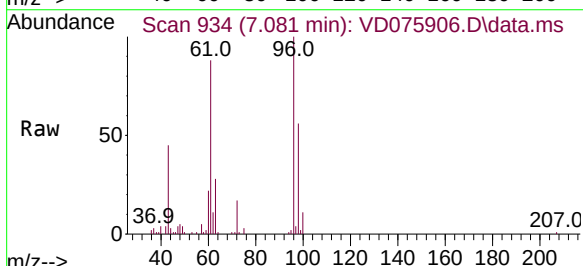
Tgt Ion: 96 Resp: 58730

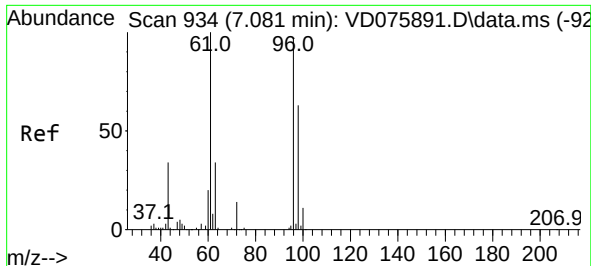
Ion Ratio Lower Upper

96 100

61 87.5 67.5 125.3

98 56.4 47.5 88.1

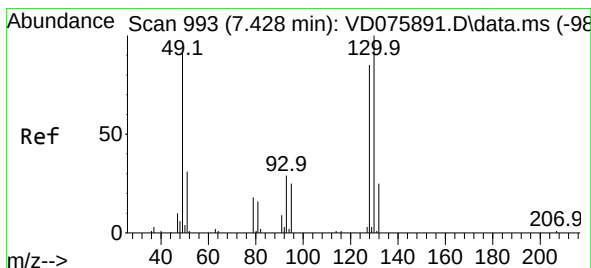
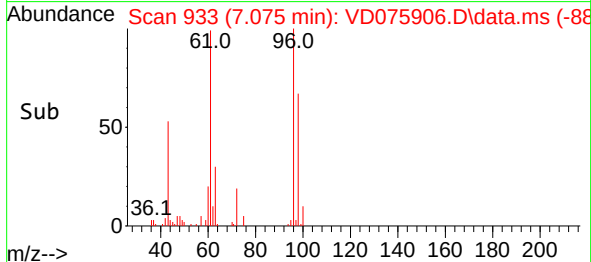
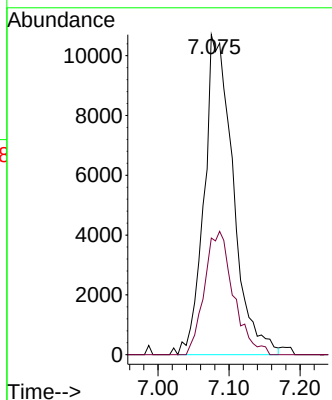
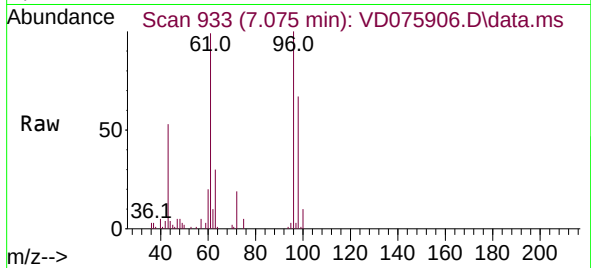




#22  
2-Butanone  
Concen: 105.082 ug/L  
RT: 7.075 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

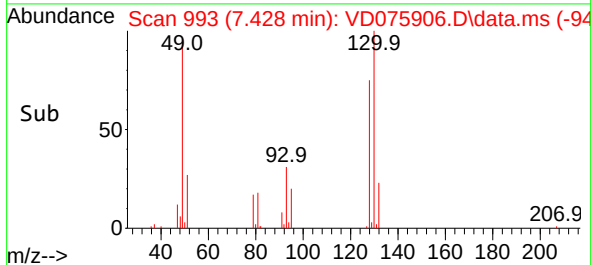
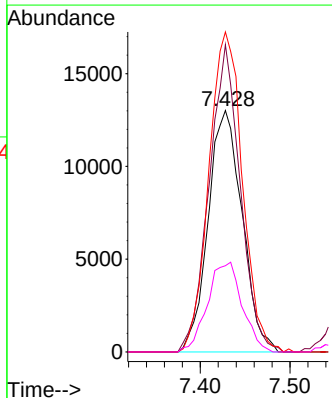
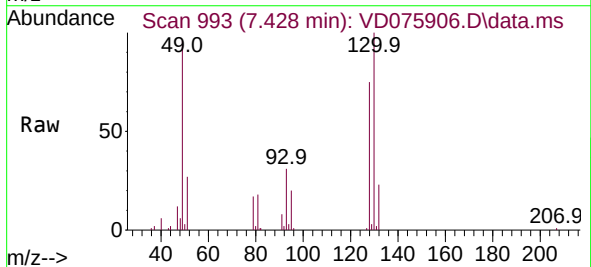
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

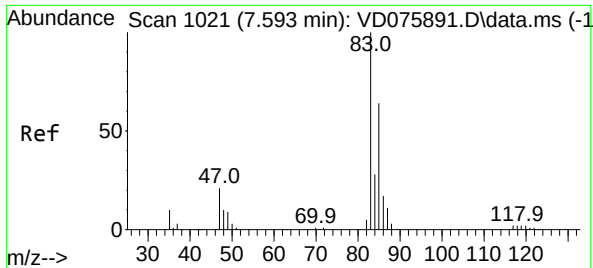
Tgt Ion: 43 Resp: 30296  
Ion Ratio Lower Upper  
43 100  
72 38.0 20.5 61.5



#23  
Bromochloromethane  
Concen: 35.005 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 128 Resp: 34342  
Ion Ratio Lower Upper  
128 100  
49 127.3 76.4 142.0  
130 132.6 93.5 173.7  
51 35.7 24.8 37.2





#25

Chloroform

Concen: 29.366 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

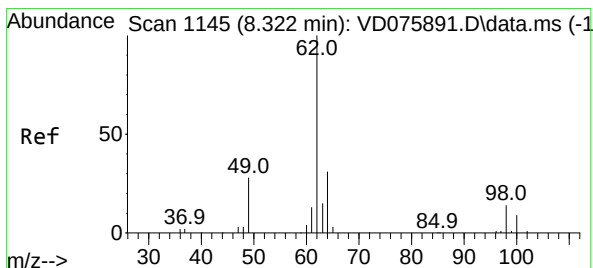
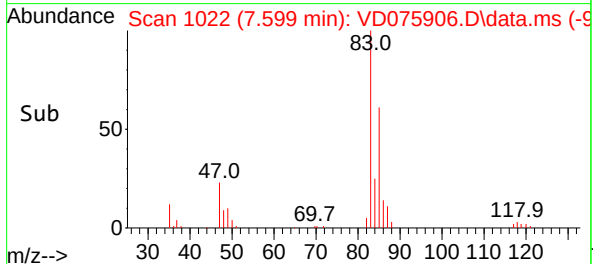
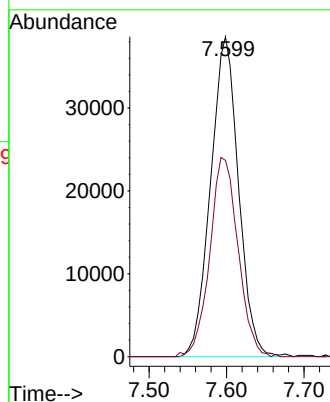
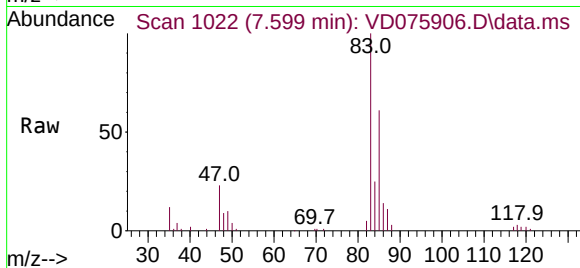
DCCL0MS

Tgt Ion: 83 Resp: 96455

Ion Ratio Lower Upper

83 100

85 61.4 44.4 82.5



#27

1,2-Dichloroethane

Concen: 37.939 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075906.D

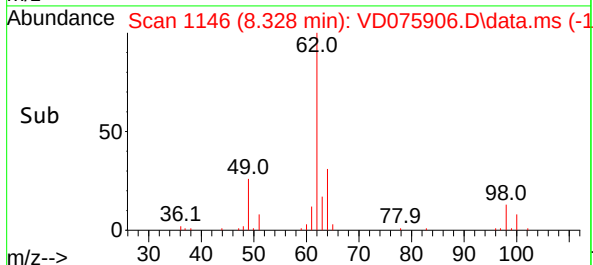
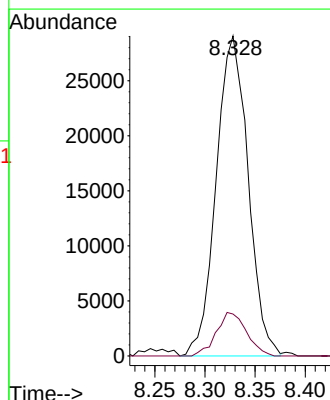
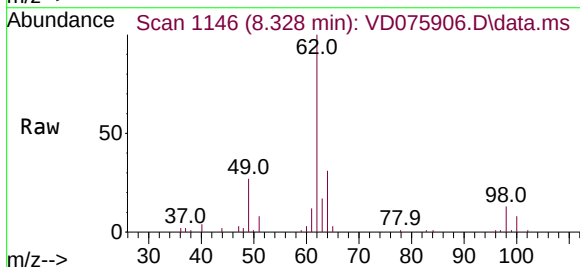
Acq: 29 Apr 2023 00:20

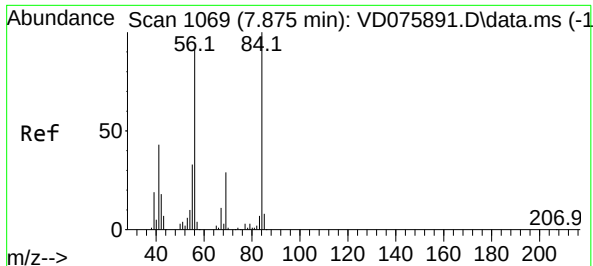
Tgt Ion: 62 Resp: 64324

Ion Ratio Lower Upper

62 100

98 13.1 10.2 15.2





#29

Cyclohexane

Concen: 16.518 ug/L

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

DCCL0MS

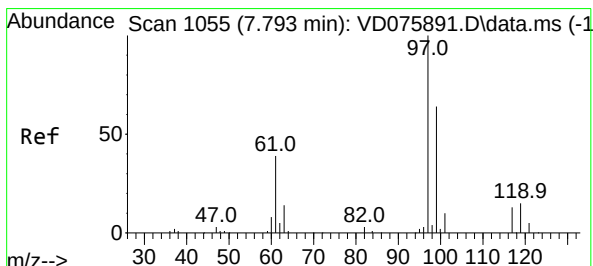
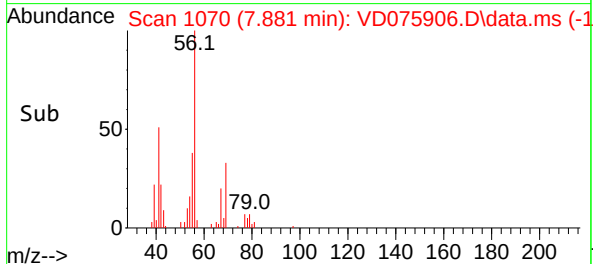
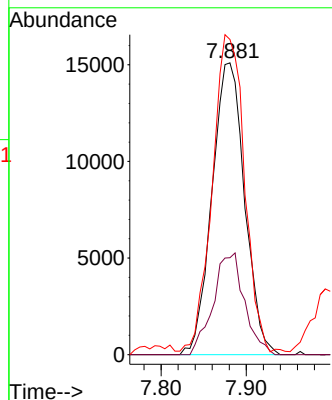
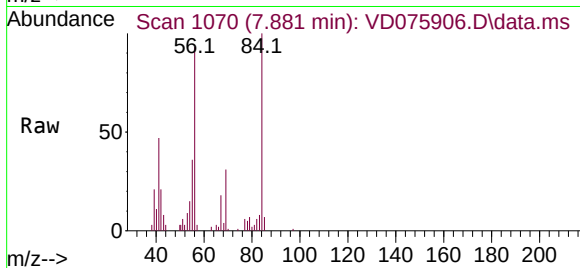
Tgt Ion: 56 Resp: 40237

Ion Ratio Lower Upper

56 100

69 33.3 28.2 42.2

84 108.8 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 21.307 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

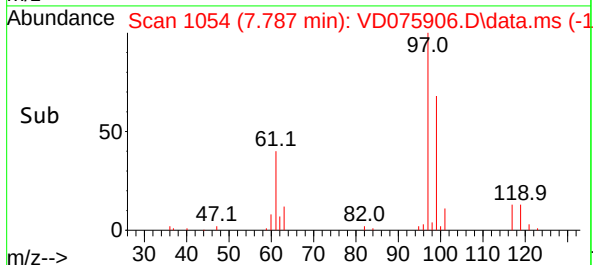
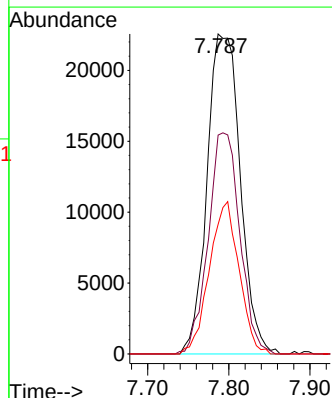
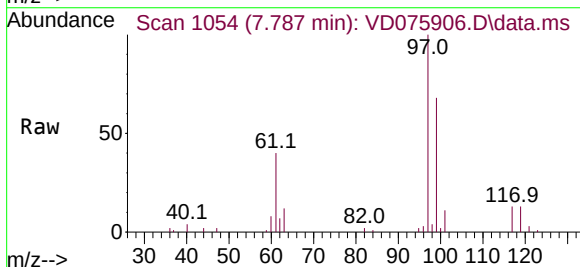
Tgt Ion: 97 Resp: 64147

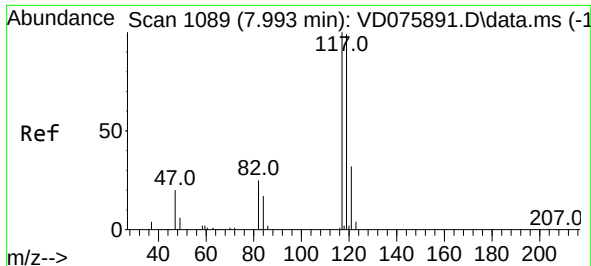
Ion Ratio Lower Upper

97 100

99 65.9 51.5 77.3

61 42.6 32.1 48.1

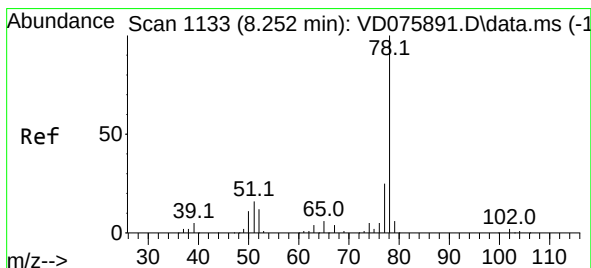
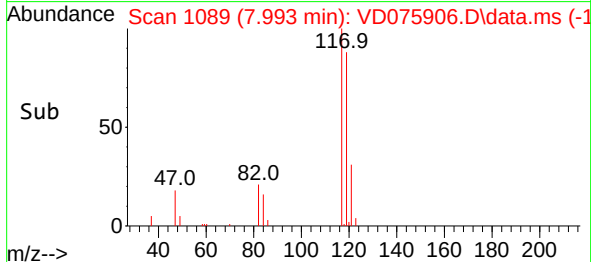
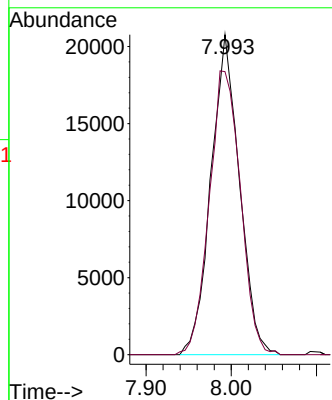
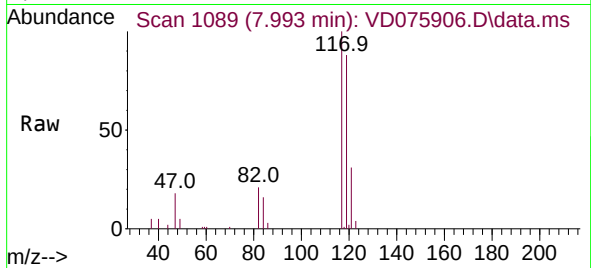




#31  
Carbon tetrachloride  
Concen: 19.974 ug/L  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

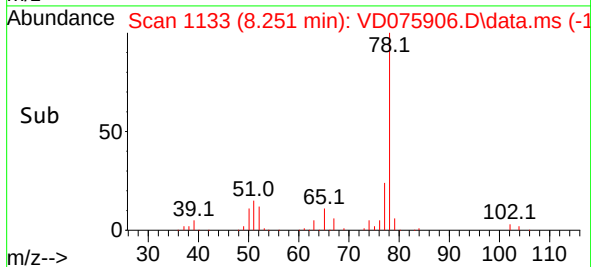
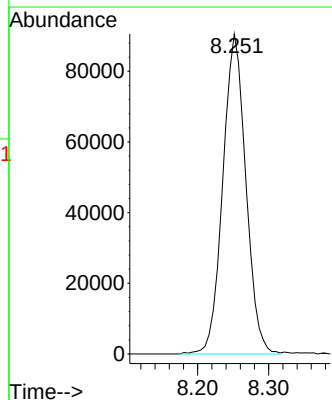
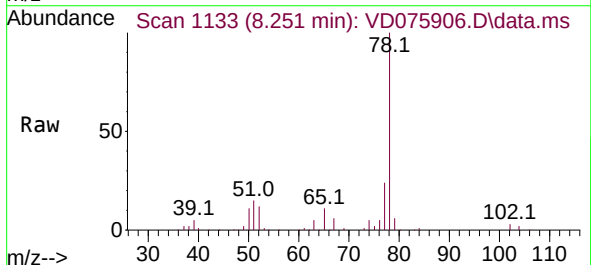
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

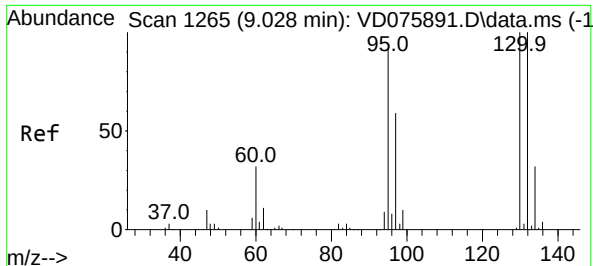
Tgt Ion:117 Resp: 48243  
Ion Ratio Lower Upper  
117 100  
119 96.8 78.2 117.4



#33  
Benzene  
Concen: 23.655 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 78 Resp: 203601



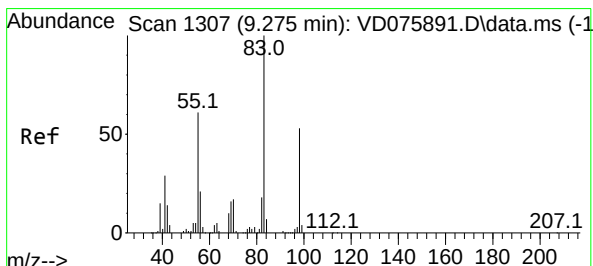
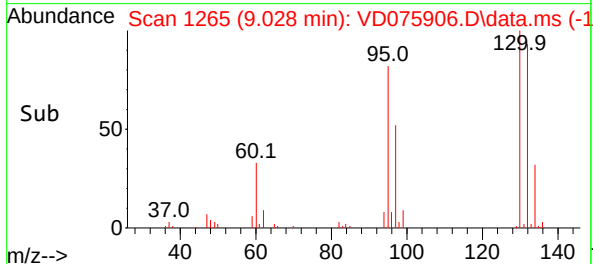
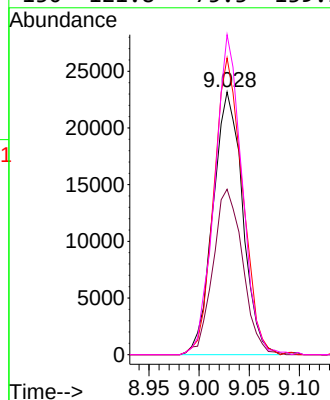
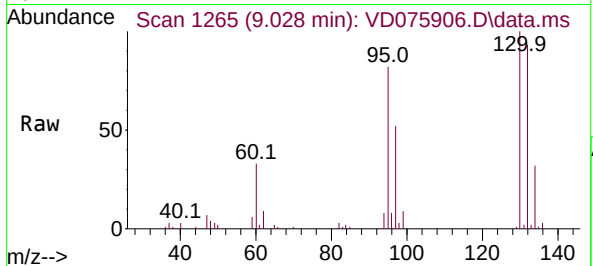


#34  
Trichloroethene  
Concen: 21.370 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

Tgt Ion: 95 Resp: 47566

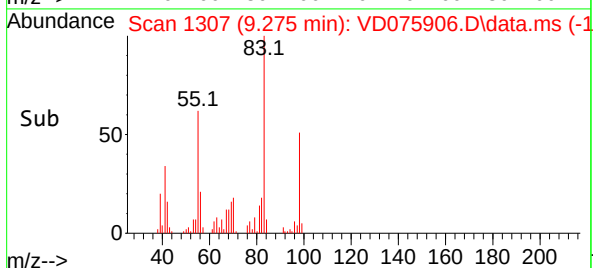
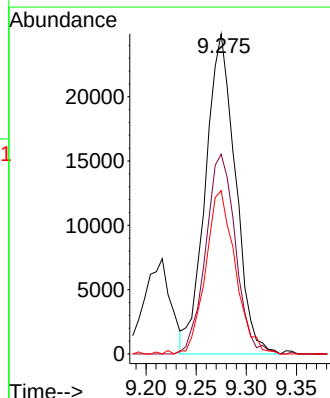
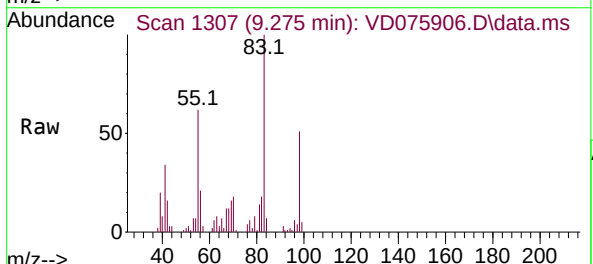
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.0  | 46.0  | 85.4  |
| 132 | 113.0 | 73.3  | 136.1 |
| 130 | 121.8 | 75.3  | 139.9 |



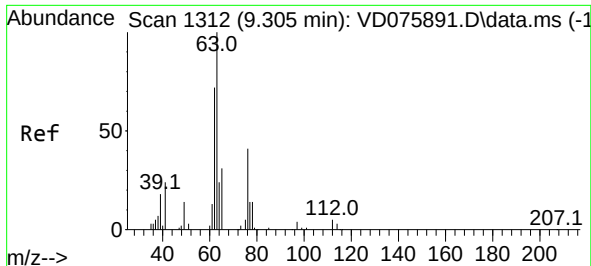
#35  
Methylcyclohexane  
Concen: 15.039 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion: 83 Resp: 51609

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 62.0  | 48.2  | 72.2  |
| 98  | 50.3  | 40.8  | 61.2  |







#37

1,2-Dichloropropane

Concen: 27.676 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

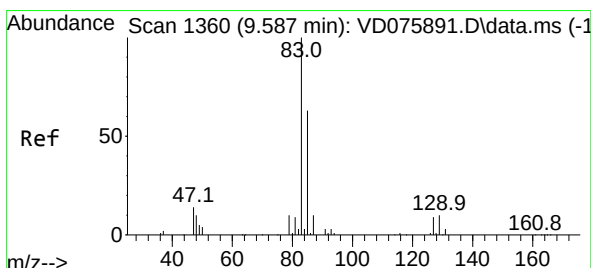
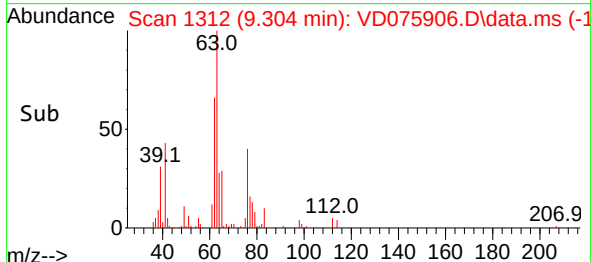
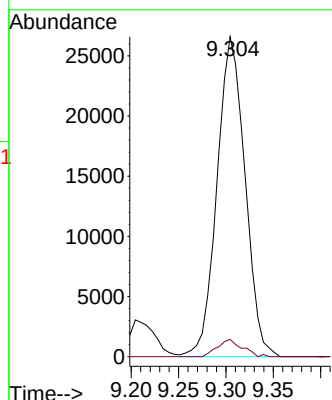
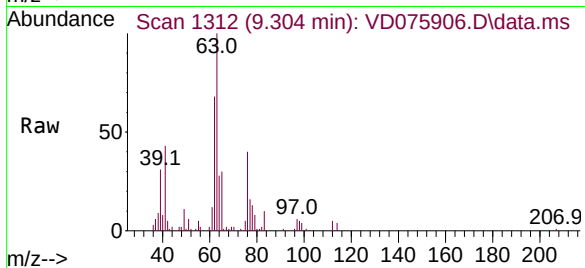
DCCL0MS

Tgt Ion: 63 Resp: 54719

Ion Ratio Lower Upper

63 100

112 4.7 4.0 6.0



#38

Bromodichloromethane

Concen: 28.205 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

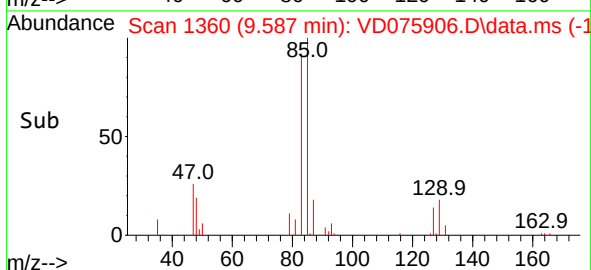
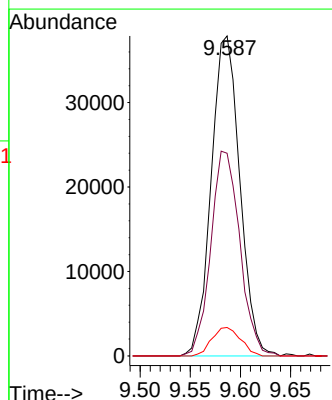
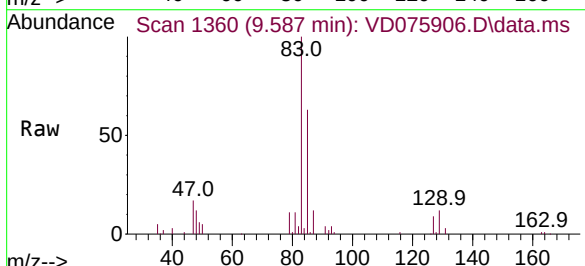
Tgt Ion: 83 Resp: 75189

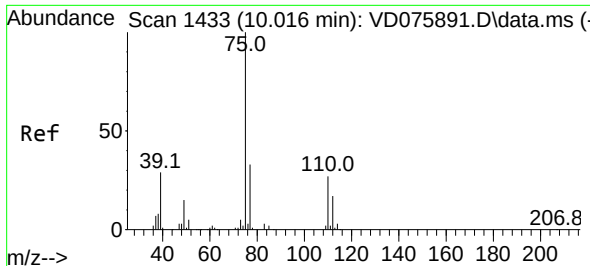
Ion Ratio Lower Upper

83 100

85 63.3 44.2 82.2

127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 25.547 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

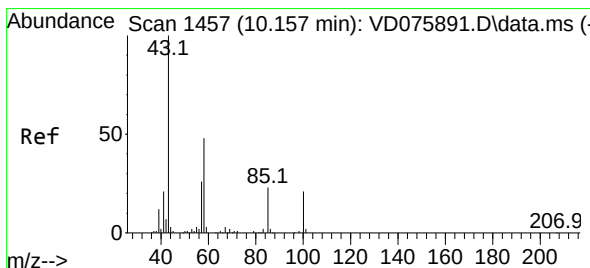
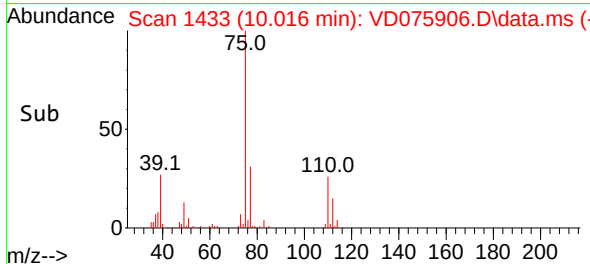
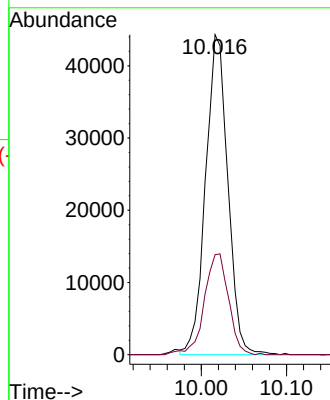
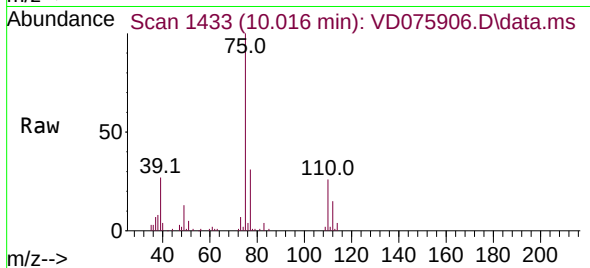
DCCL0MS

Tgt Ion: 75 Resp: 80327

Ion Ratio Lower Upper

75 100

77 31.3 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 89.184 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

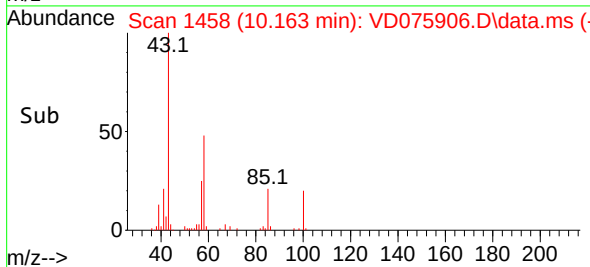
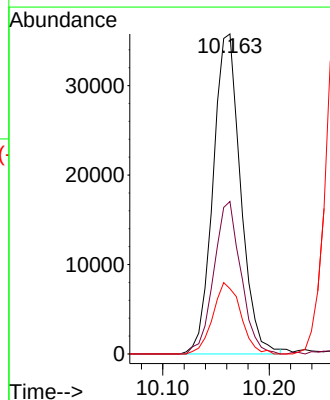
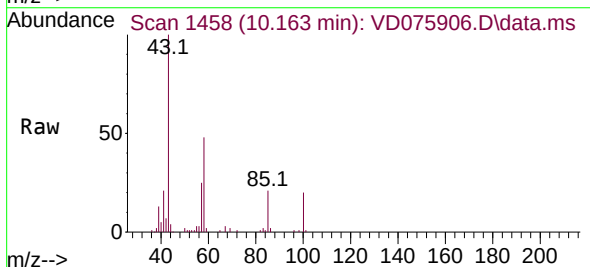
Tgt Ion: 43 Resp: 64288

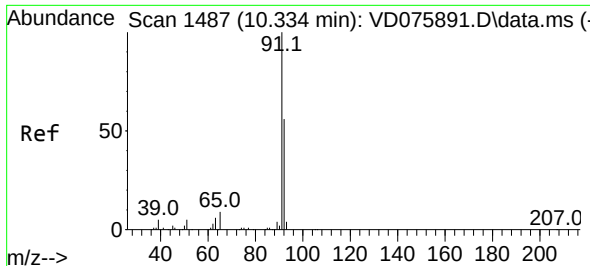
Ion Ratio Lower Upper

43 100

58 46.8 39.1 58.7

100 22.6 19.4 29.0





#42

Toluene

Concen: 24.037 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

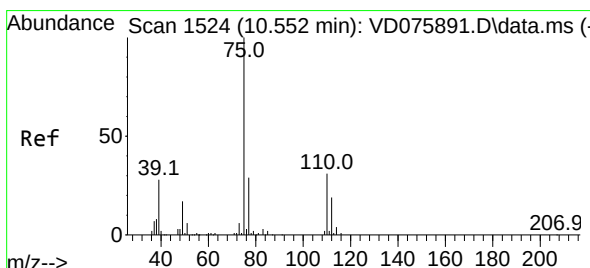
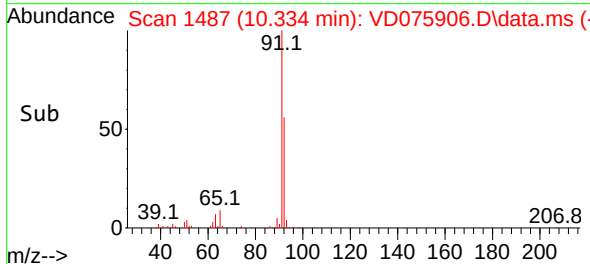
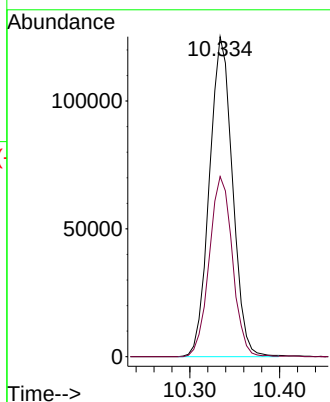
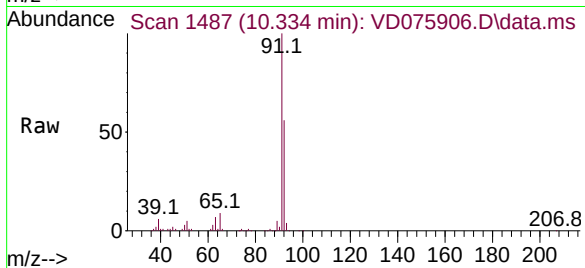
DCCL0MS

Tgt Ion: 91 Resp: 223881

Ion Ratio Lower Upper

91 100

92 56.3 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 30.772 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD075906.D

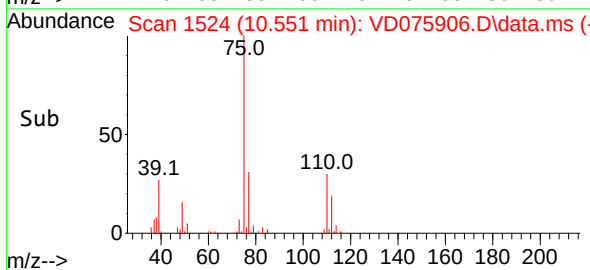
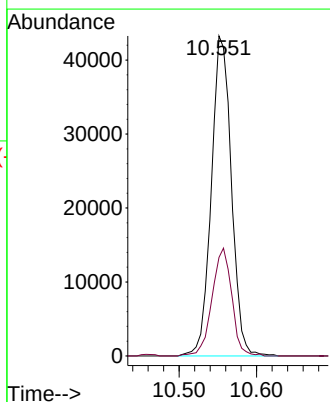
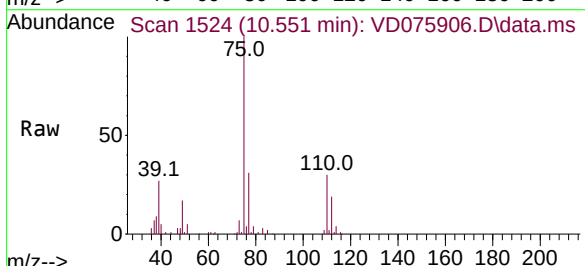
Acq: 29 Apr 2023 00:20

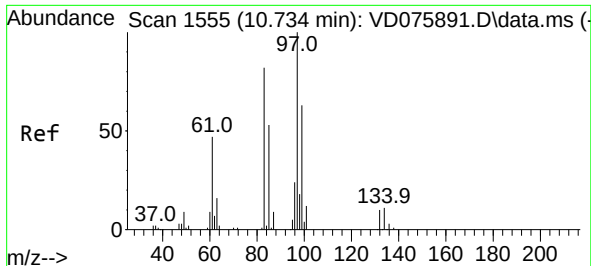
Tgt Ion: 75 Resp: 77728

Ion Ratio Lower Upper

75 100

77 30.8 22.0 41.0

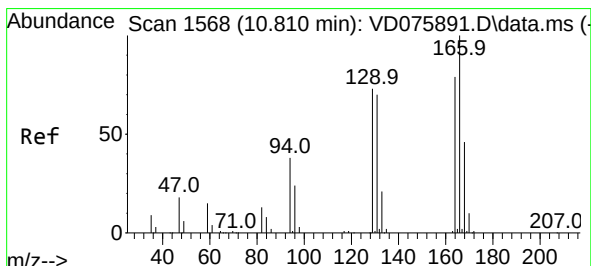
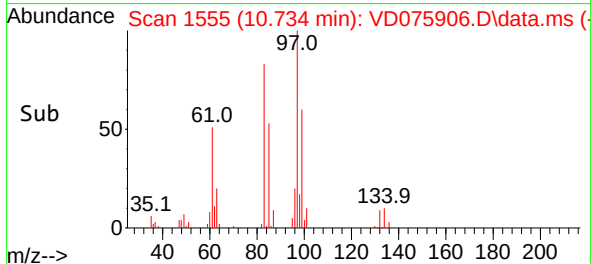
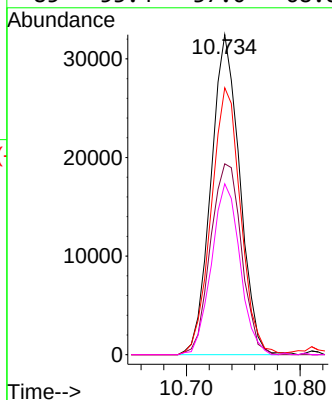
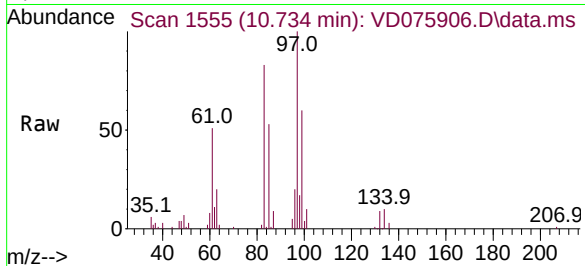




#45  
1,1,2-Trichloroethane  
Concen: 33.894 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

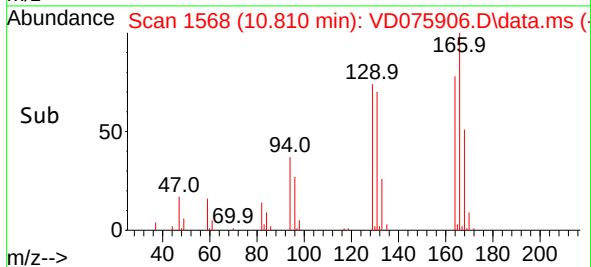
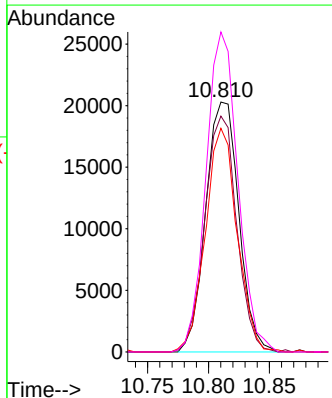
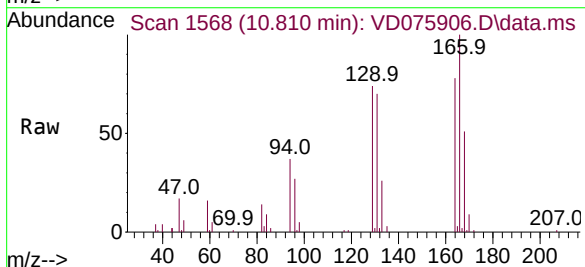
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

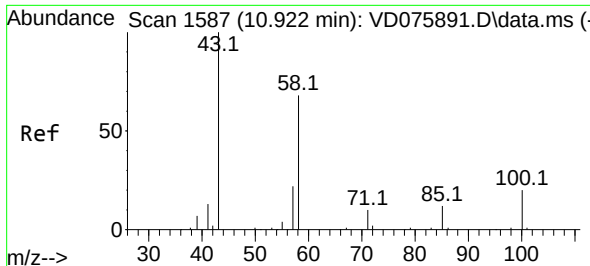
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 57010 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.7     | 42.2 78.4   |
| 83 83.4     | 54.8 101.8  |
| 85 53.4     | 37.0 68.8   |



#46  
Tetrachloroethene  
Concen: 21.034 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 38401 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 94.4    | 60.3  | 112.1 |
| 131 | 89.5    | 58.9  | 109.3 |
| 166 | 128.1   | 83.0  | 154.1 |

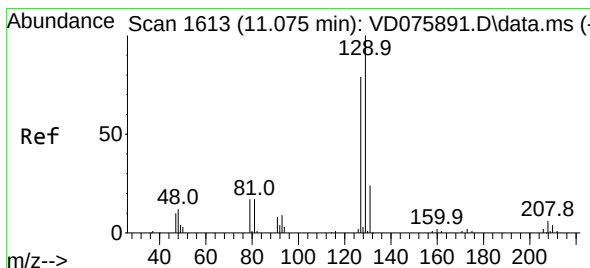
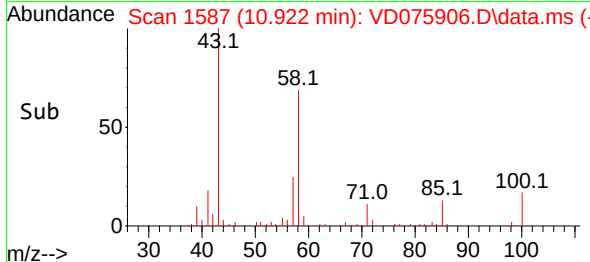
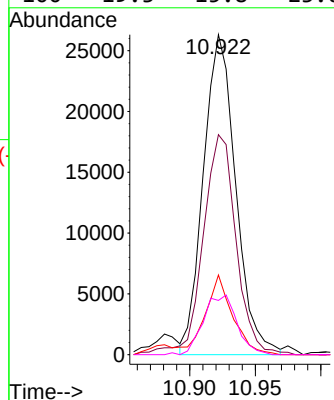
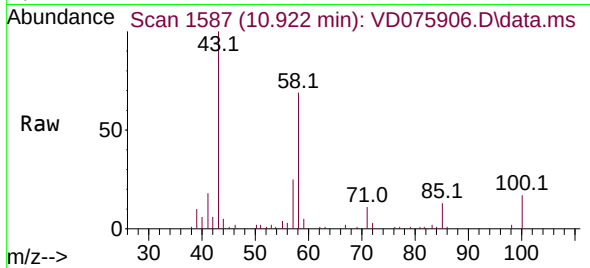




#48  
2-Hexanone  
Concen: 88.906 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

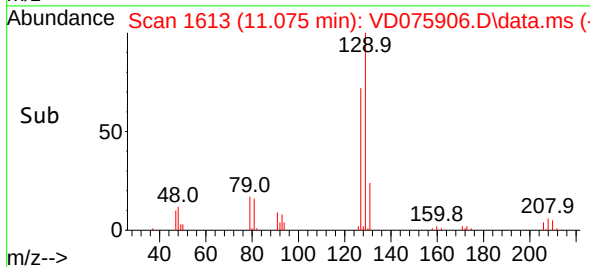
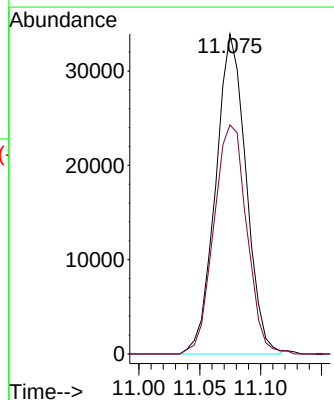
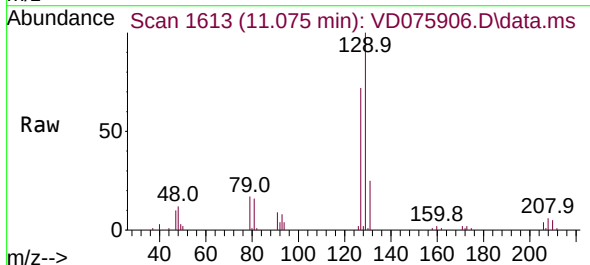
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

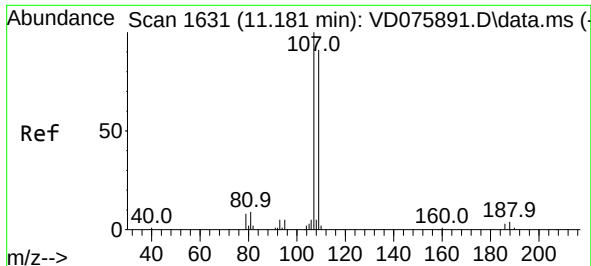
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 45180 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 70.2  | 59.7  | 89.5  |
| 57       | 21.1  | 17.9  | 26.9  |
| 100      | 19.3  | 15.8  | 23.6  |



#49  
Dibromochloromethane  
Concen: 32.167 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 58902 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 71.6  | 55.6  | 103.4 |

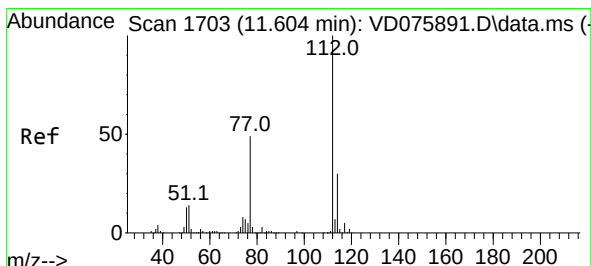
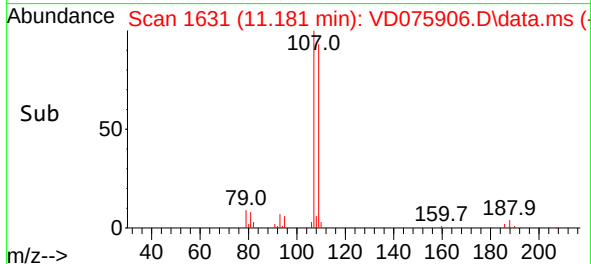
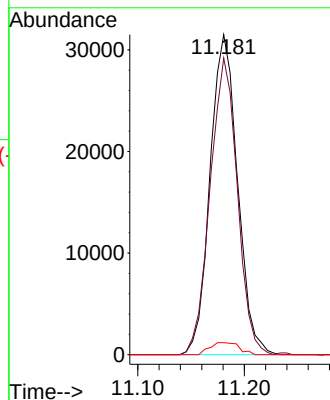
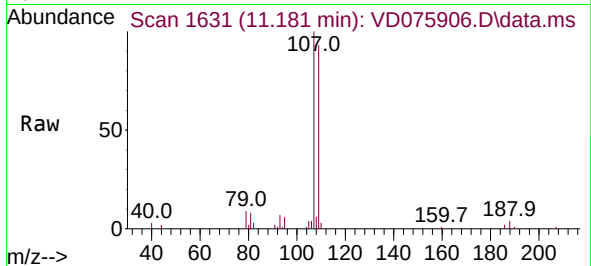




#50  
1,2-Dibromoethane  
Concen: 37.137 ug/L  
RT: 11.181 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

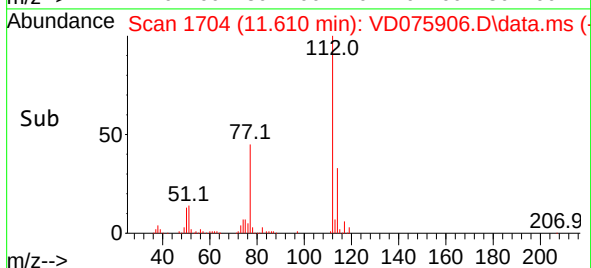
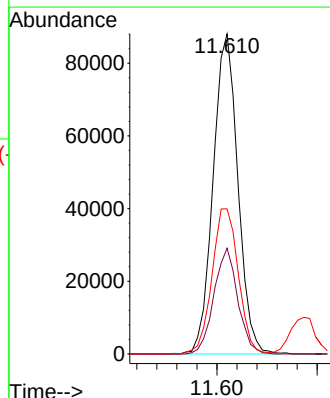
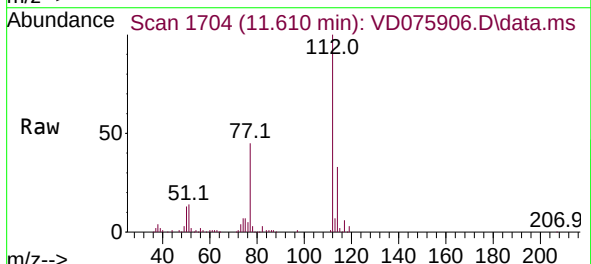
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

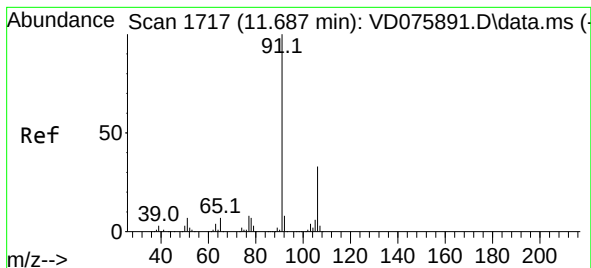
Tgt Ion:107 Resp: 56316  
Ion Ratio Lower Upper  
107 100  
109 92.7 67.6 125.6  
188 3.7 3.0 4.6



#51  
Chlorobenzene  
Concen: 24.743 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:112 Resp: 150767  
Ion Ratio Lower Upper  
112 100  
114 33.0 23.0 42.8  
77 45.3 39.7 59.5





#52

Ethylbenzene

Concen: 21.524 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

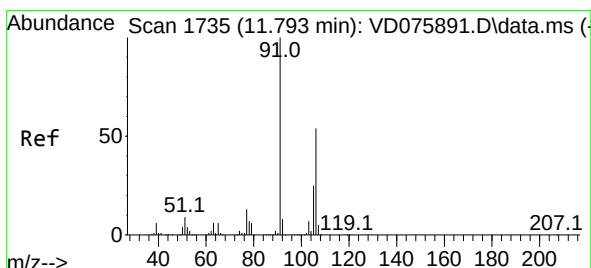
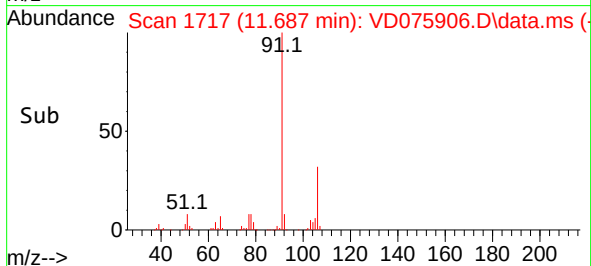
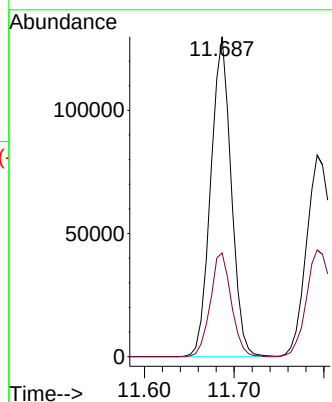
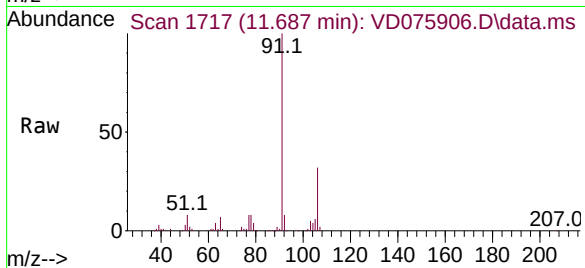
DCCL0MS

Tgt Ion: 91 Resp: 205577

Ion Ratio Lower Upper

91 100

106 32.4 23.7 43.9



#53

m,p-Xylene

Concen: 22.035 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD075906.D

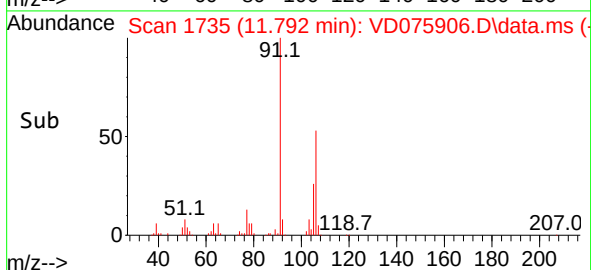
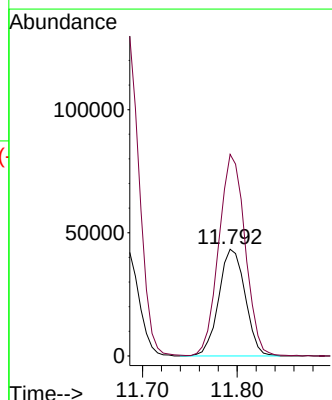
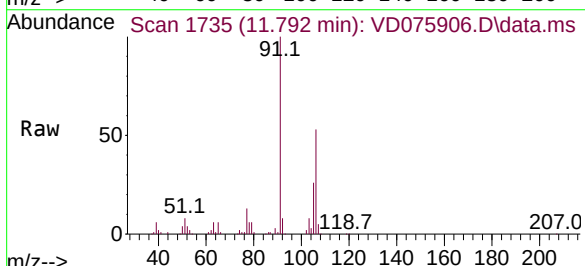
Acq: 29 Apr 2023 00:20

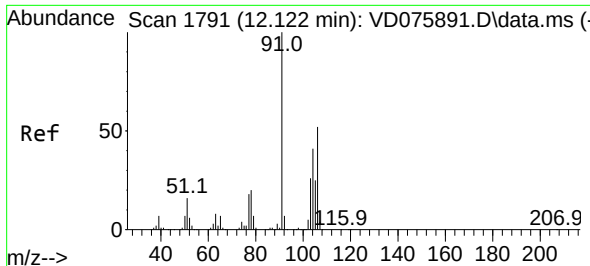
Tgt Ion: 106 Resp: 83801

Ion Ratio Lower Upper

106 100

91 188.9 130.9 243.1

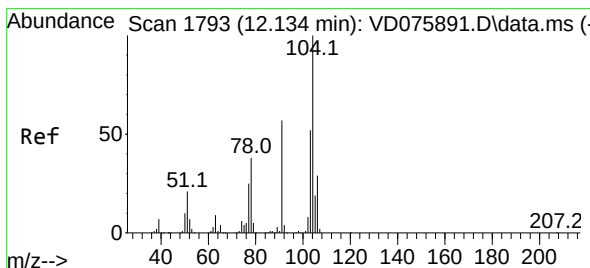
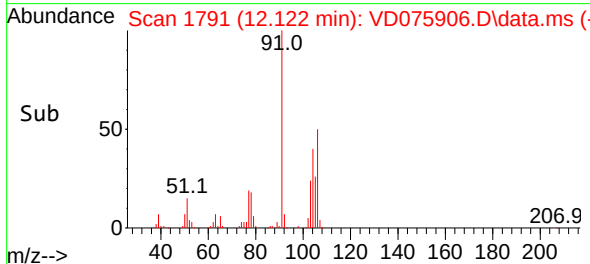
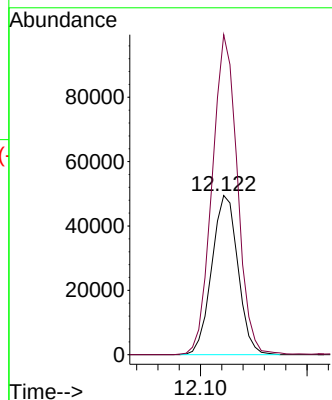
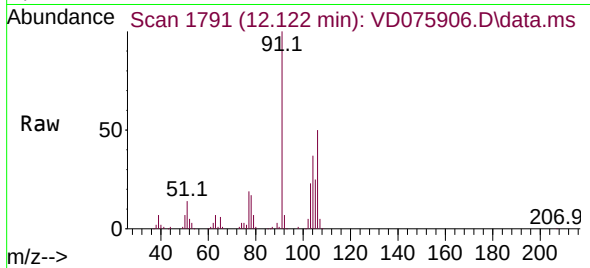




#54  
o-Xylene  
Concen: 23.366 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

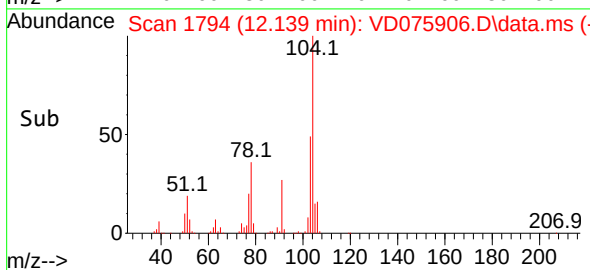
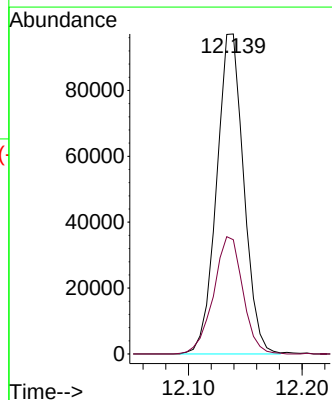
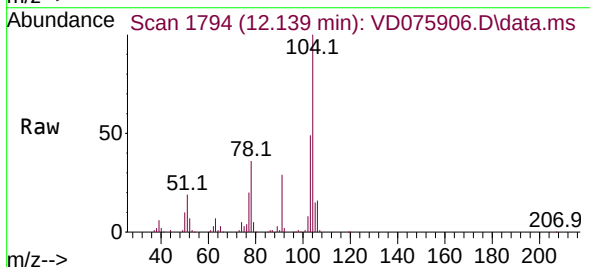
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

Tgt Ion:106 Resp: 84404  
Ion Ratio Lower Upper  
106 100  
91 201.0 139.8 259.6

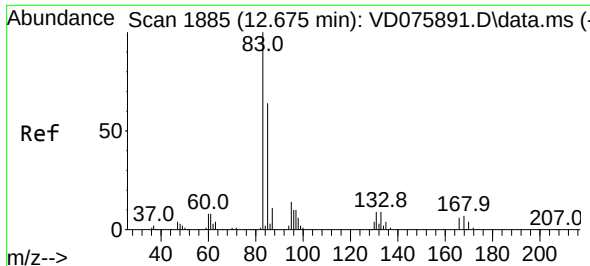


#55  
Styrene  
Concen: 25.667 ug/L  
RT: 12.139 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:104 Resp: 161369  
Ion Ratio Lower Upper  
104 100  
78 35.7 26.2 48.6



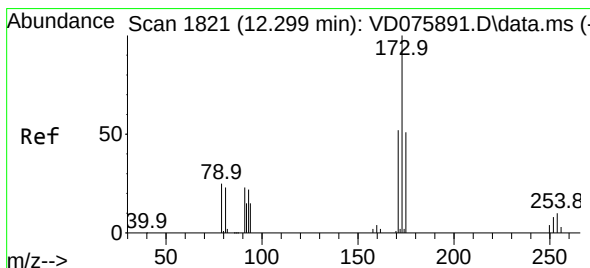
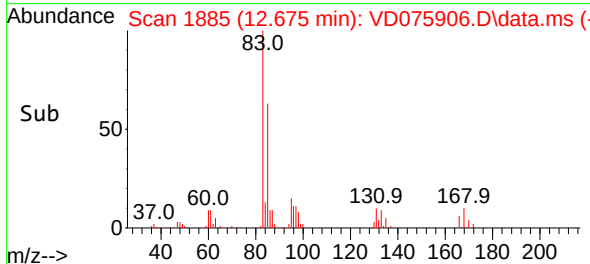
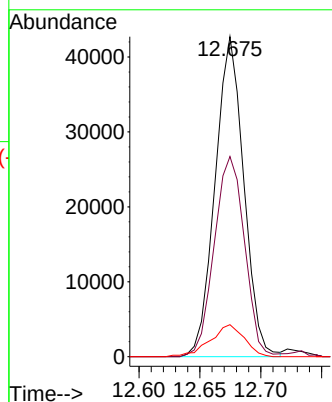
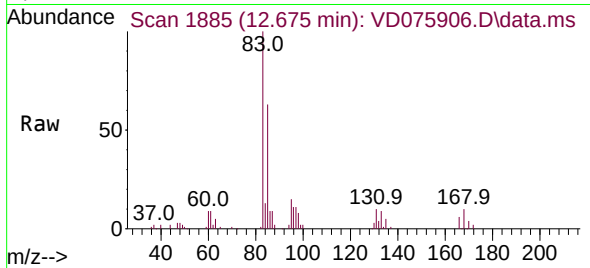




#57  
1,1,2,2-Tetrachloroethane  
Concen: 40.913 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

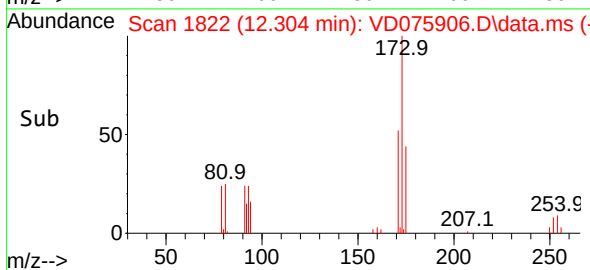
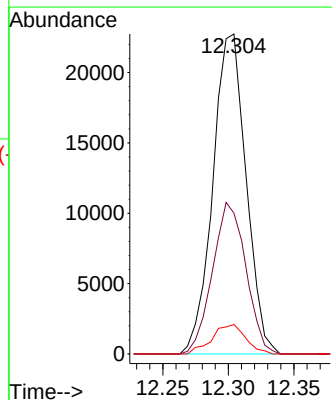
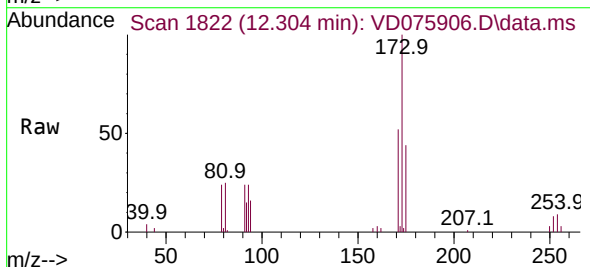
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

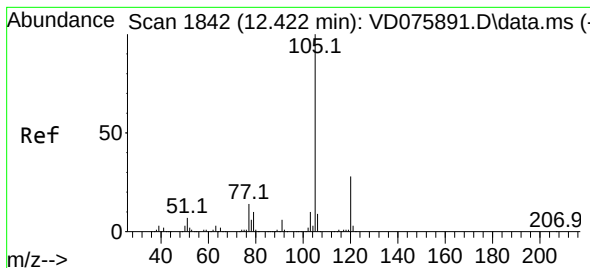
Tgt Ion: 83 Resp: 70018  
Ion Ratio Lower Upper  
83 100  
85 62.6 45.1 83.7  
131 10.0 7.0 10.6



#59  
Bromoform  
Concen: 37.341 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:173 Resp: 40078  
Ion Ratio Lower Upper  
173 100  
175 47.6 39.4 59.0  
254 9.4 7.4 11.2





#60

Isopropylbenzene

Concen: 20.110 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

DCCL0MS

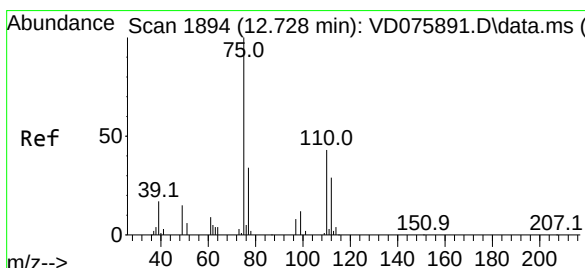
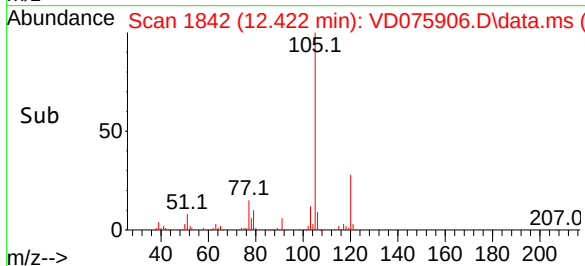
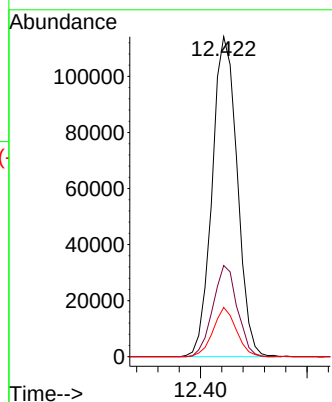
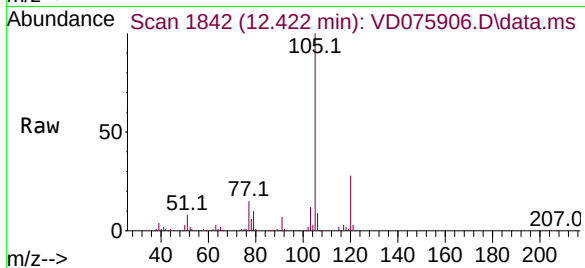
Tgt Ion:105 Resp: 186739

Ion Ratio Lower Upper

105 100

120 27.7 22.7 34.1

77 14.2 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 41.663 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

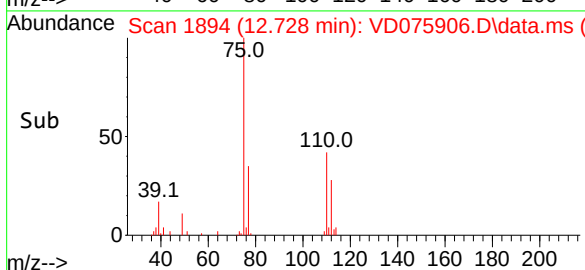
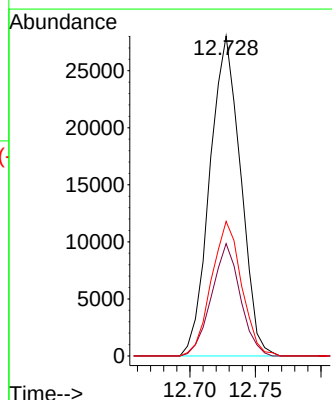
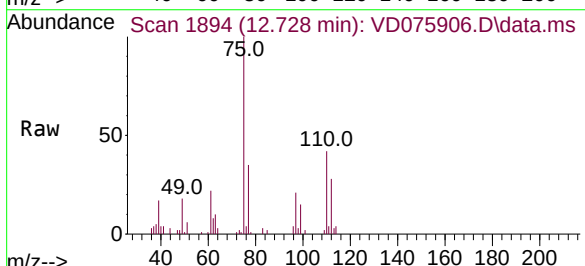
Tgt Ion: 75 Resp: 45834

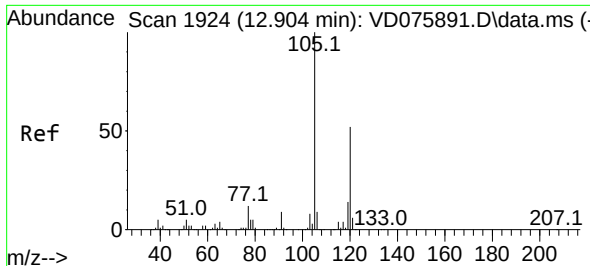
Ion Ratio Lower Upper

75 100

77 32.6 26.6 39.8

110 41.1 33.5 50.3

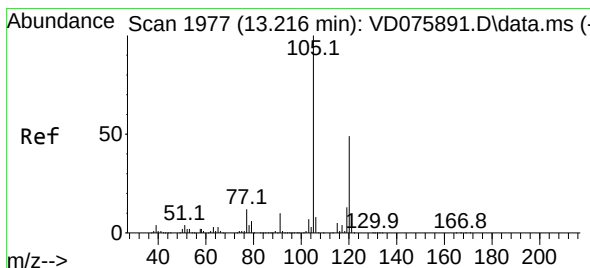
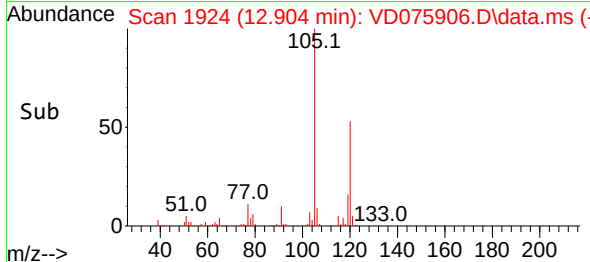
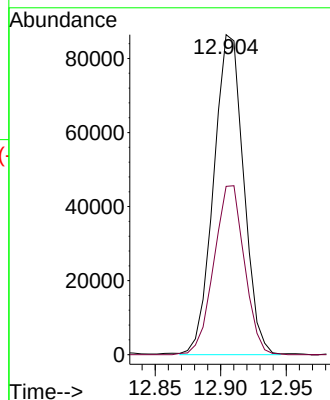
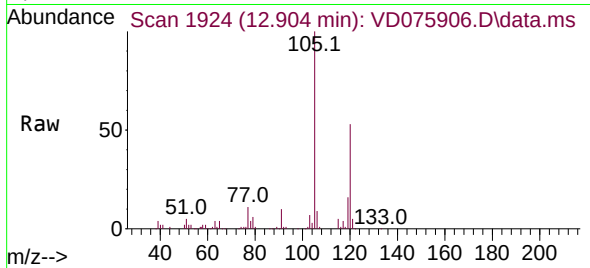




#62  
 1,3,5-Trimethylbenzene  
 Concen: 19.851 ug/L  
 RT: 12.904 min Scan# 1924  
 Delta R.T. -0.000 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

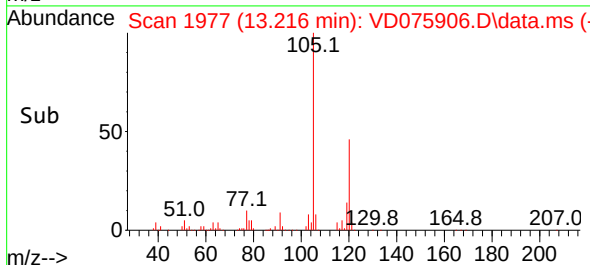
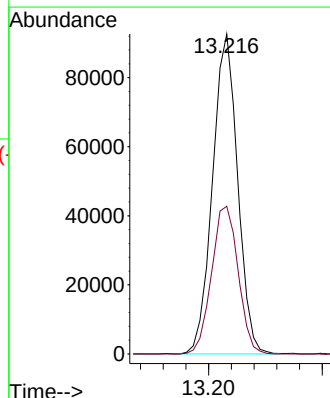
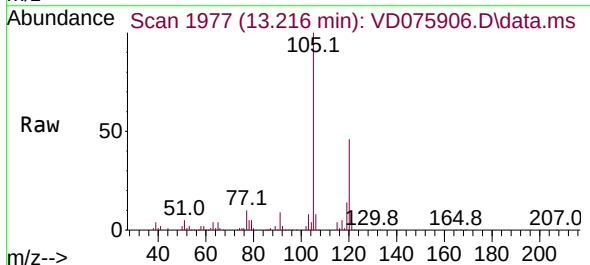
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCL0MS

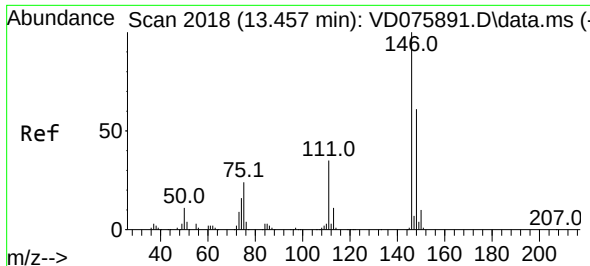
Tgt Ion:105 Resp: 137455  
 Ion Ratio Lower Upper  
 105 100  
 120 53.6 42.0 63.0



#63  
 1,2,4-Trimethylbenzene  
 Concen: 21.276 ug/L  
 RT: 13.216 min Scan# 1977  
 Delta R.T. -0.000 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

Tgt Ion:105 Resp: 142015  
 Ion Ratio Lower Upper  
 105 100  
 120 48.8 39.0 58.6

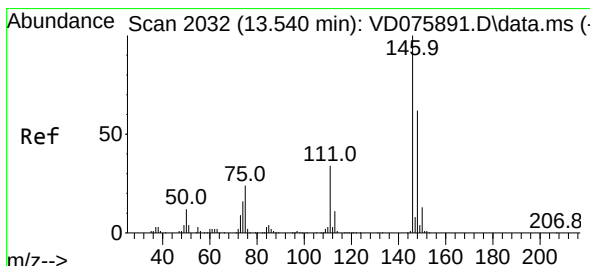
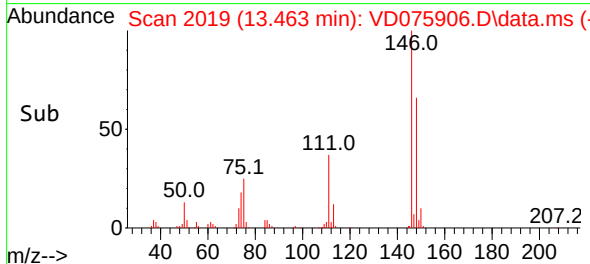
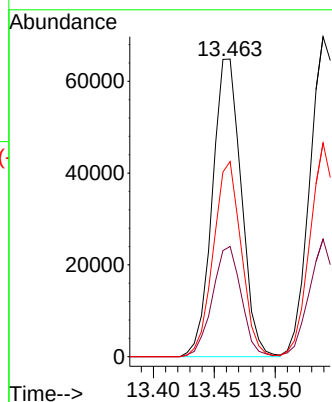
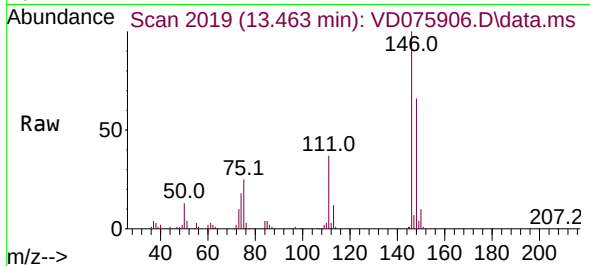




#64  
1,3-Dichlorobenzene  
Concen: 24.145 ug/L  
RT: 13.463 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

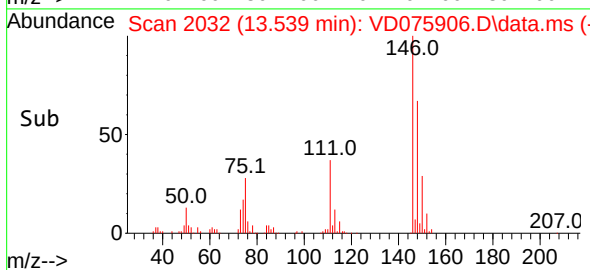
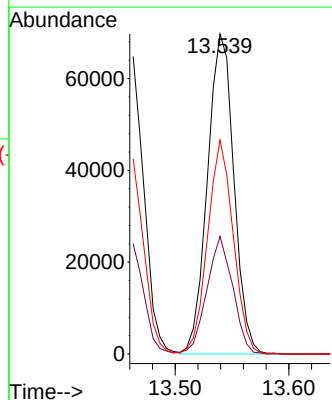
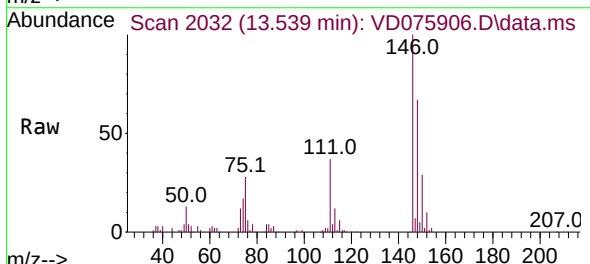
Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

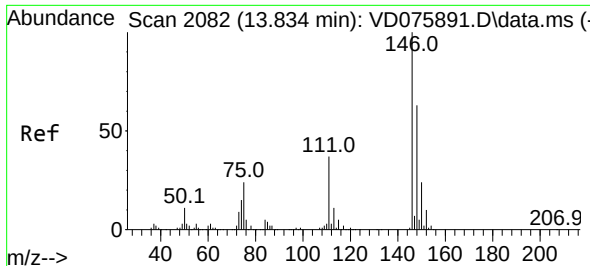
Tgt Ion:146 Resp: 107279  
Ion Ratio Lower Upper  
146 100  
111 37.0 26.5 49.1  
148 65.6 43.8 81.3



#65  
1,4-Dichlorobenzene  
Concen: 24.210 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:146 Resp: 112893  
Ion Ratio Lower Upper  
146 100  
111 36.7 24.6 45.8  
148 66.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 26.453 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

Instrument :

MSVOA\_D

ClientSampleId :

DCCL0MS

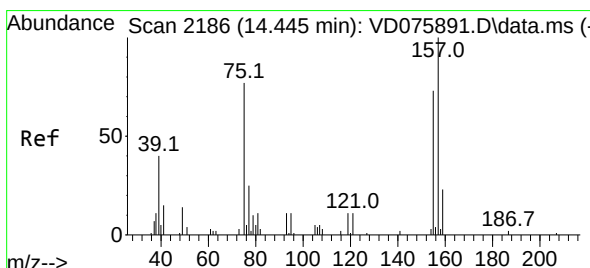
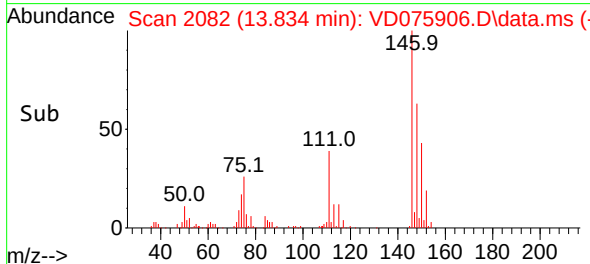
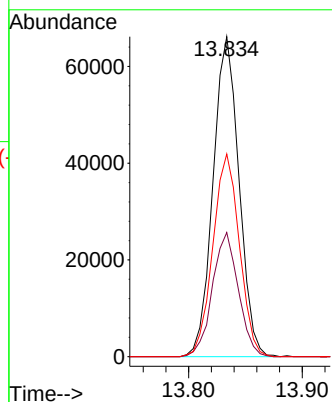
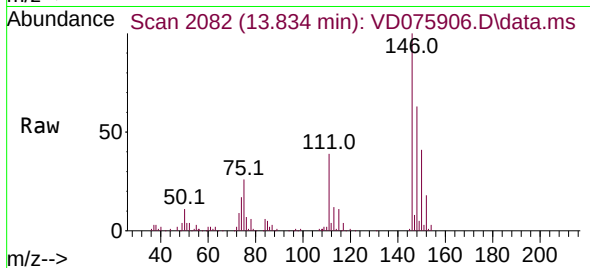
Tgt Ion:146 Resp: 104958

Ion Ratio Lower Upper

146 100

111 38.8 30.6 46.0

148 63.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 44.001 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075906.D

Acq: 29 Apr 2023 00:20

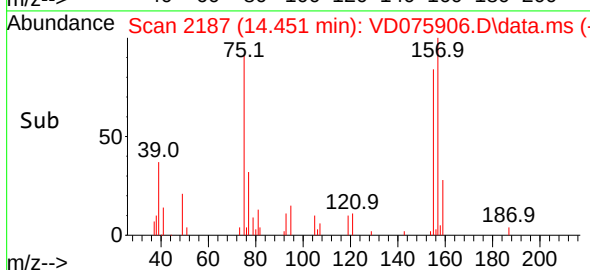
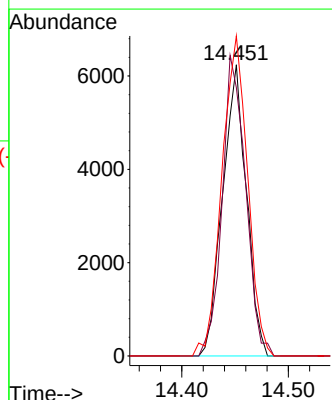
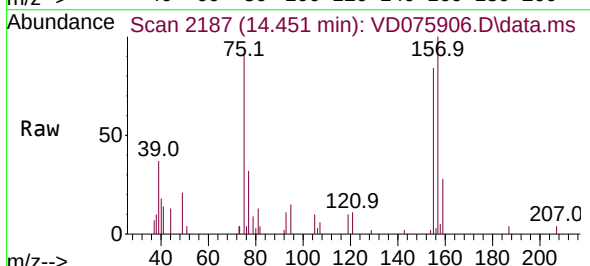
Tgt Ion: 75 Resp: 9677

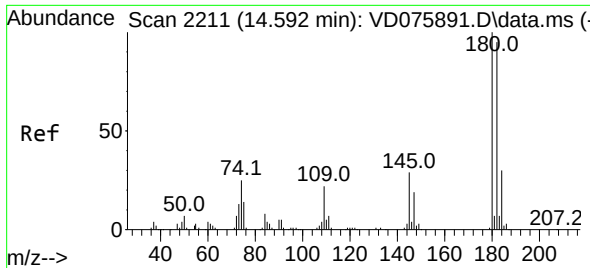
Ion Ratio Lower Upper

75 100

155 92.2 74.6 111.8

157 109.9 109.4 164.2

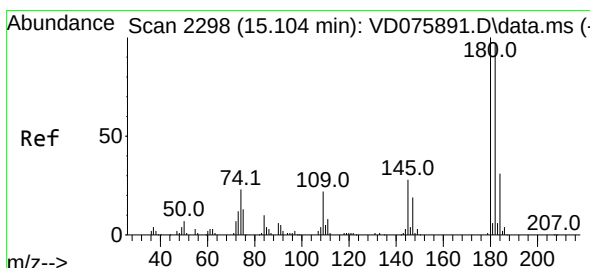
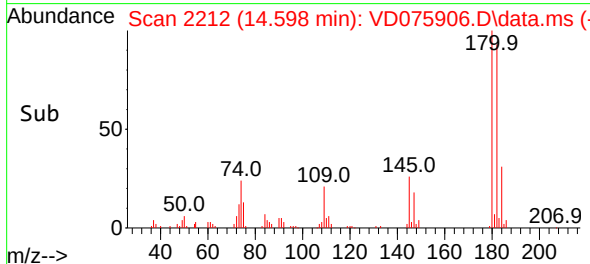
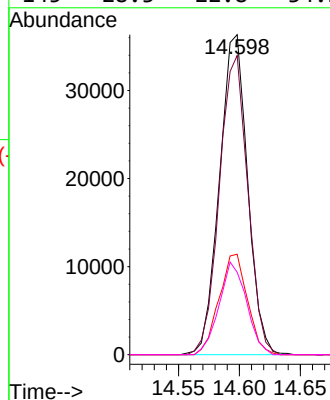
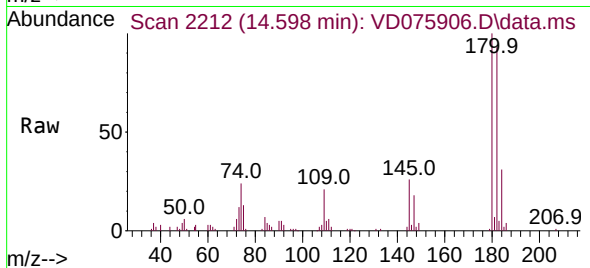




#69  
 1,3,5-Trichlorobenzene  
 Concen: 19.604 ug/L  
 RT: 14.598 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

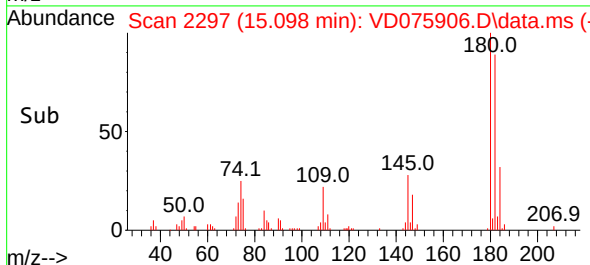
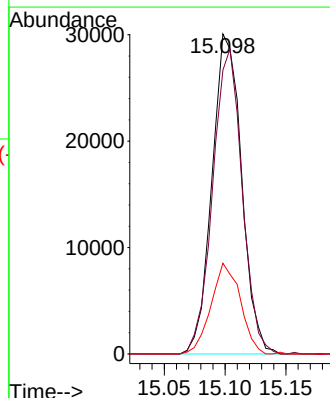
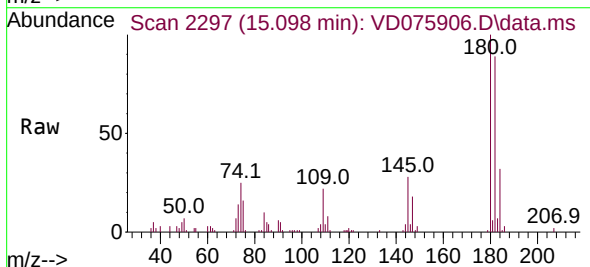
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCL0MS

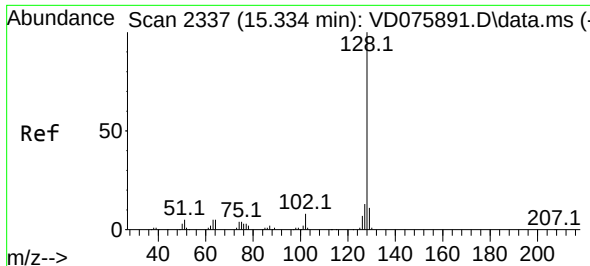
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 58380      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.3  | 74.9 112.3 |
| 184         | 31.8  | 25.0 37.4  |
| 145         | 28.3  | 22.8 34.2  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 20.556 ug/L  
 RT: 15.098 min Scan# 2297  
 Delta R.T. -0.006 min  
 Lab File: VD075906.D  
 Acq: 29 Apr 2023 00:20

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 50731      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.8  | 75.4 113.2 |
| 145         | 28.2  | 23.6 35.4  |

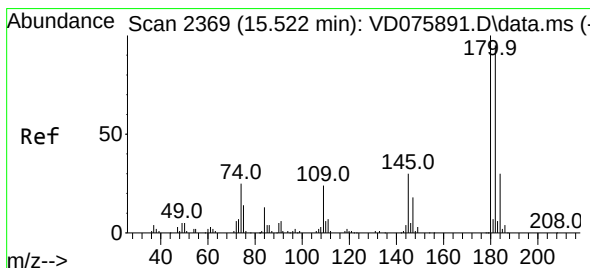
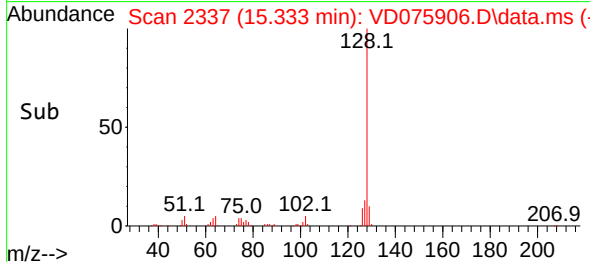
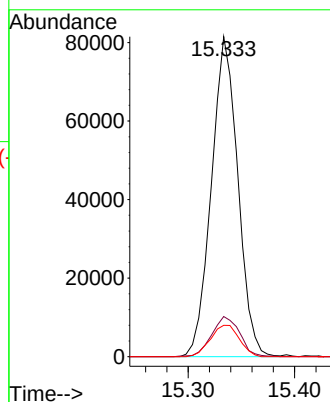
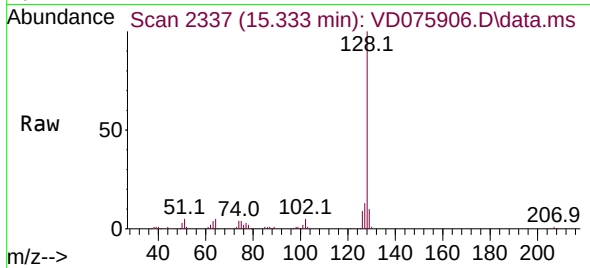




#71  
Naphthalene  
Concen: 31.182 ug/L  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
DCCL0MS

Tgt Ion:128 Resp: 140826  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 10.7 9.1 13.7



#72  
1,2,3-Trichlorobenzene  
Concen: 24.272 ug/L  
RT: 15.528 min Scan# 2370  
Delta R.T. 0.006 min  
Lab File: VD075906.D  
Acq: 29 Apr 2023 00:20

Tgt Ion:180 Resp: 53469  
Ion Ratio Lower Upper  
180 100  
182 96.6 76.3 114.5  
145 30.0 25.0 37.6

