

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112423\  
 Data File : VD077696.D  
 Acq On : 24 Nov 2023 17:09  
 Operator : JC/SY  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 27 00:03:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Nov 27 00:00:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 227296   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 213594   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 113224   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 141775   | 24.520   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.080%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 122467   | 26.961   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 107.840% |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 39156    | 21.900   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.600%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 46602    | 46.552   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.100%  |
| 24) Chloroform-d              | 7.569  | 84    | 167030   | 25.439   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.760% |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 91249    | 26.126   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.520% |
| 32) Benzene-d6                | 8.205  | 84    | 335429   | 24.196   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 105926   | 23.458   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.840%  |
| 41) Toluene-d8                | 10.269 | 98    | 304682   | 24.322   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.280%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 46200    | 23.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.920%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 37805    | 46.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 77858    | 26.024   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.080% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 97293    | 24.154   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 65417    | 17.871   | ug/L   | 100      |
| 3) Chloromethane              | 2.152  | 50    | 103399   | 19.634   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.287  | 62    | 121747   | 20.482   | ug/L   | 95       |
| 6) Bromomethane               | 2.699  | 94    | 72782    | 22.999   | ug/L   | 97       |
| 8) Chloroethane               | 2.840  | 64    | 82624    | 22.359   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.181  | 101   | 115870   | 21.420   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.970  | 101   | 70161    | 21.076   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 63152    | 19.538   | ug/L # | 80       |
| 13) Acetone                   | 4.028  | 43    | 42211    | 40.114   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.275  | 76    | 190045   | 16.328   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.564  | 43    | 37360    | 21.581   | ug/L # | 83       |
| 16) Methylene chloride        | 4.811  | 84    | 77289    | 20.140   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.317  | 96    | 69803    | 20.530   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 5.317  | 73    | 180469   | 22.614   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 150328   | 22.036   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 82118    | 22.230   | ug/L   | 97       |
| 22) 2-Butanone                | 7.081  | 43    | 49919    | 39.427   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.428  | 128   | 34681    | 23.365   | ug/L   | 92       |
| 25) Chloroform                | 7.599  | 83    | 146695   | 23.408   | ug/L   | 99       |

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 ALS Vial : 13 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Mon Nov 27 00:00:09 2023  
 Response via : Initial Calibration

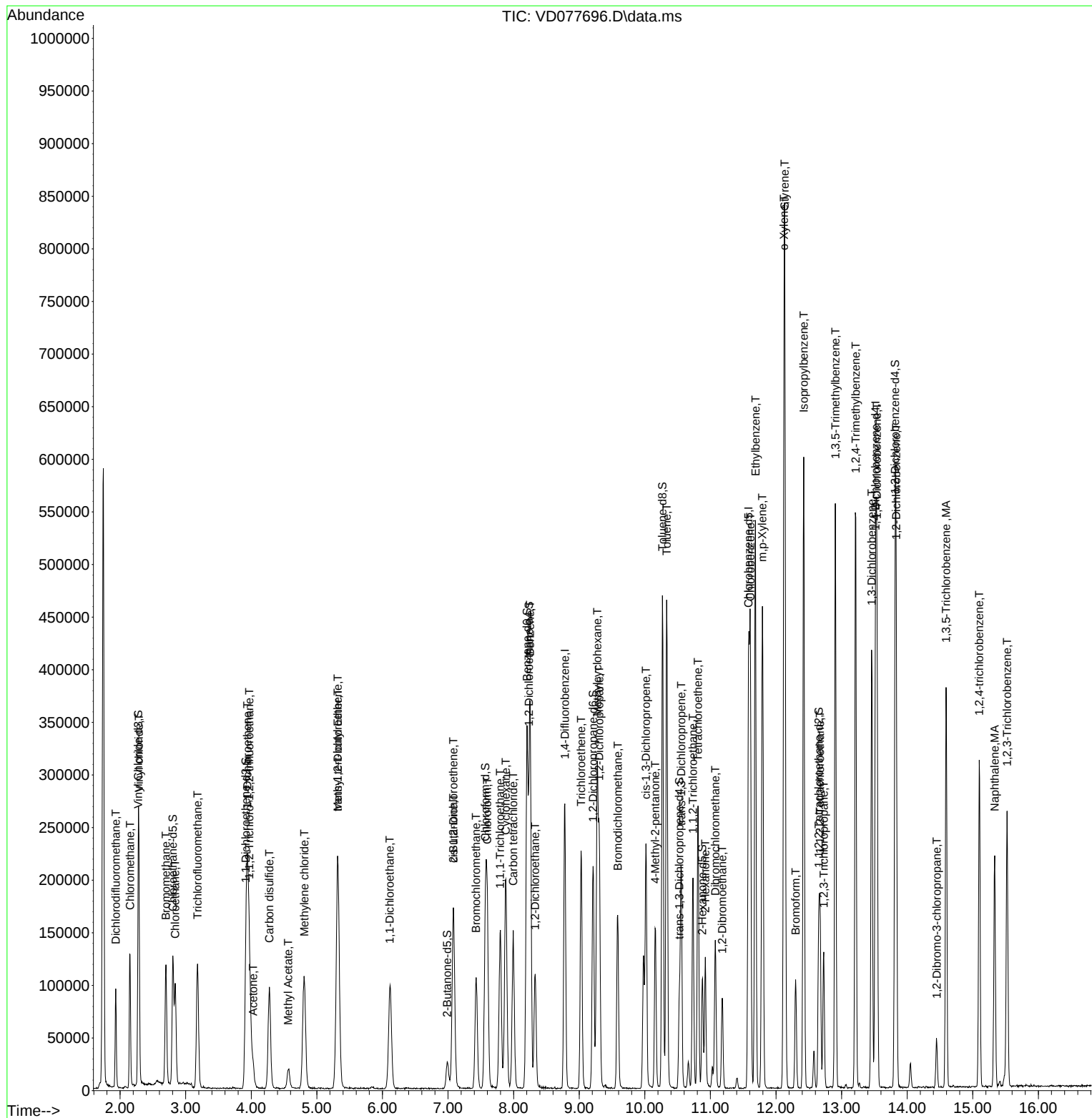
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 99767    | 24.015 | ug/L  | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 113267   | 16.332 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 119818   | 21.428 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 100855   | 20.988 | ug/L  | 96       |
| 33) Benzene                   | 8.252  | 78   | 319120   | 21.545 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 80093    | 21.822 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.275  | 83   | 117388   | 17.724 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 90203    | 21.906 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 111189   | 23.541 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 138851   | 21.944 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 108971   | 43.427 | ug/L  | 98       |
| 42) Toluene                   | 10.334 | 91   | 342951   | 22.053 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 117703   | 22.512 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 61579    | 24.465 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 57048    | 21.125 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.922 | 43   | 77820    | 39.126 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.075 | 129  | 69785    | 24.408 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 54782    | 22.759 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.610 | 112  | 212511   | 23.325 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 379729   | 22.192 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.793 | 106  | 140448   | 22.556 | ug/L  | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 137017   | 22.975 | ug/L  | 100      |
| 55) Styrene                   | 12.134 | 104  | 249305   | 23.942 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 74441    | 25.105 | ug/L  | 98       |
| 59) Bromoform                 | 12.299 | 173  | 43574    | 22.573 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 384010   | 20.968 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 52394    | 21.724 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 285160   | 20.516 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 295442   | 20.983 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 165084   | 21.972 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 169056   | 22.295 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 150231   | 22.616 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 10812    | 20.610 | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 109345   | 21.374 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 94943    | 22.020 | ug/L  | 98       |
| 71) Naphthalene               | 15.334 | 128  | 179467   | 22.086 | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 84568    | 23.003 | ug/L  | 98       |

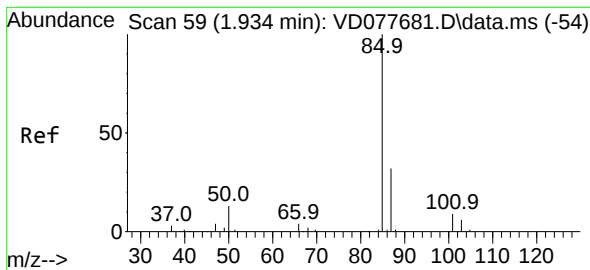
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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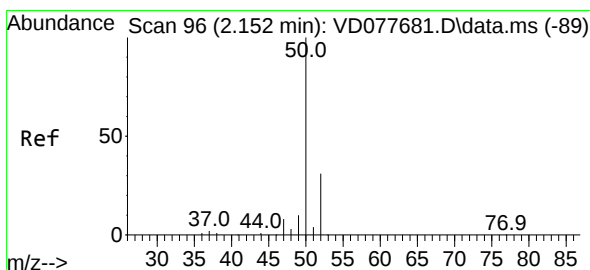
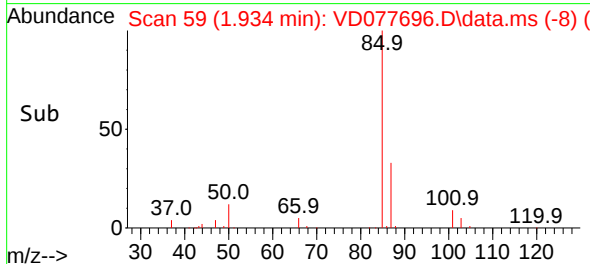
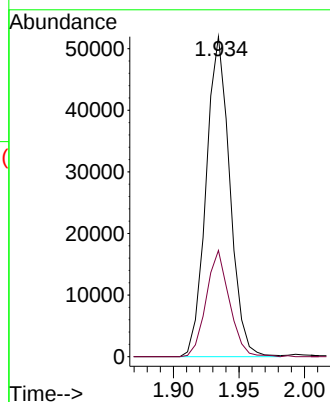
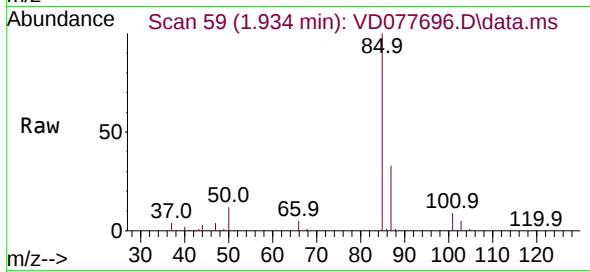




#2  
 Dichlorodifluoromethane  
 Concen: 17.871 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

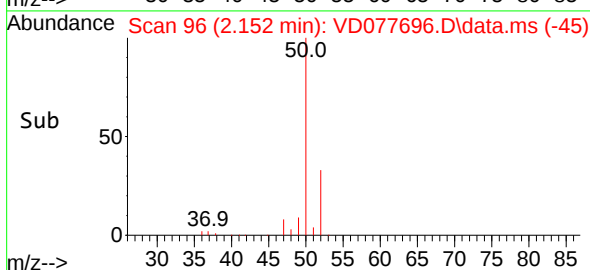
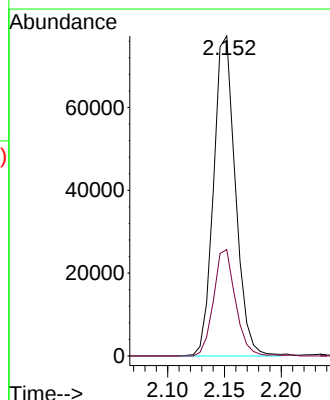
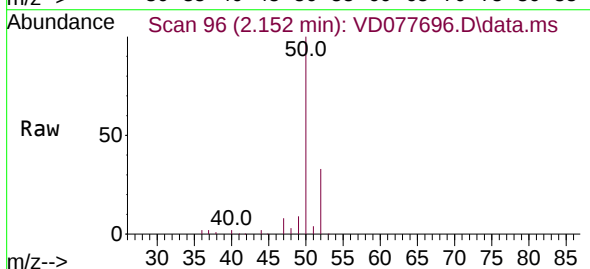
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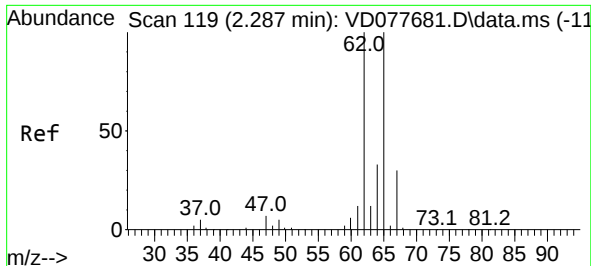
Tgt Ion: 85 Resp: 65417  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.2 39.2



#3  
 Chloromethane  
 Concen: 19.634 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

Tgt Ion: 50 Resp: 103399  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 22.1 41.1

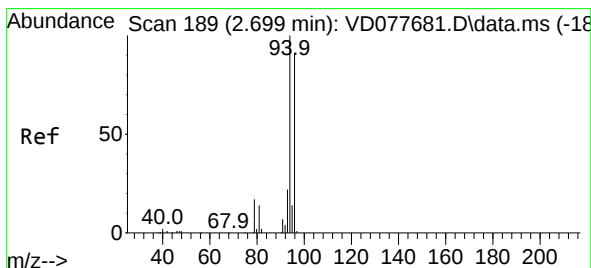
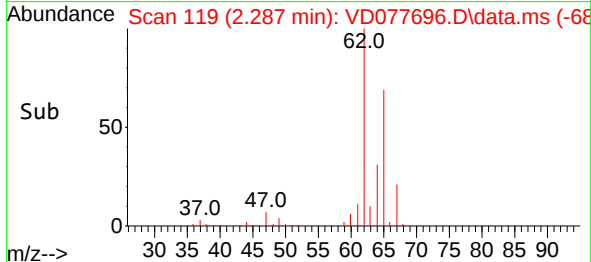
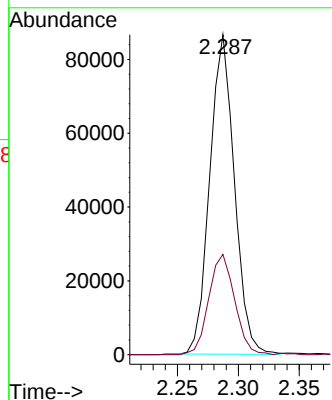
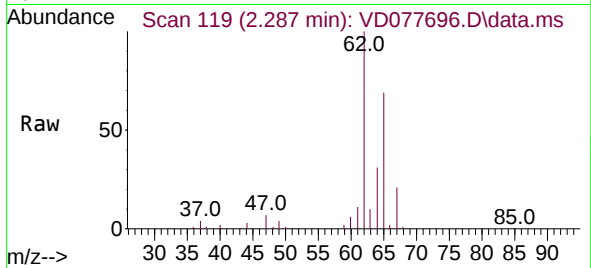




#5  
 Vinyl chloride  
 Concen: 20.482 ug/L  
 RT: 2.287 min Scan# 119  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

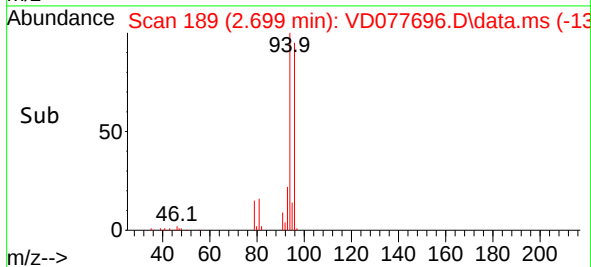
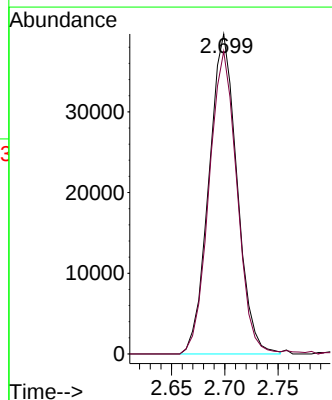
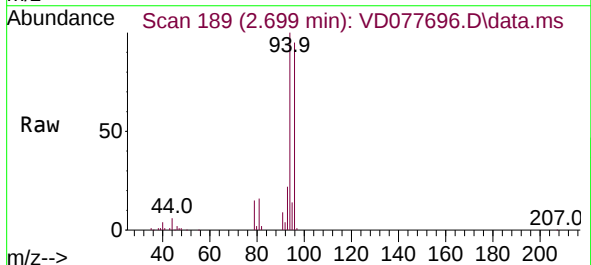
Instrument :  
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 ClientSampleId :

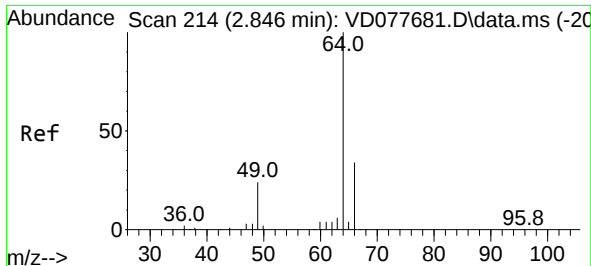
Tgt Ion: 62 Resp: 121747  
 Ion Ratio Lower Upper  
 62 100  
 64 31.4 23.9 44.5



#6  
 Bromomethane  
 Concen: 22.999 ug/L  
 RT: 2.699 min Scan# 189  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

Tgt Ion: 94 Resp: 72782  
 Ion Ratio Lower Upper  
 94 100  
 96 94.6 64.5 119.9

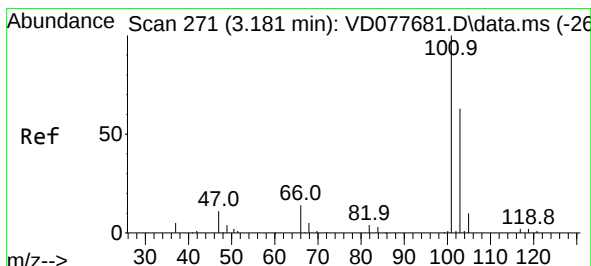
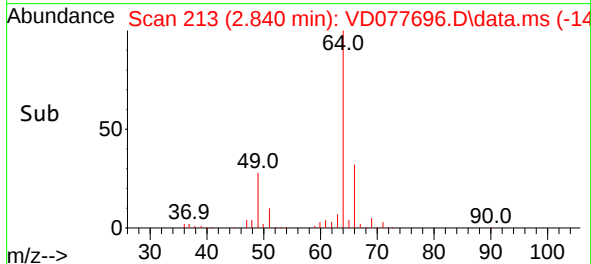
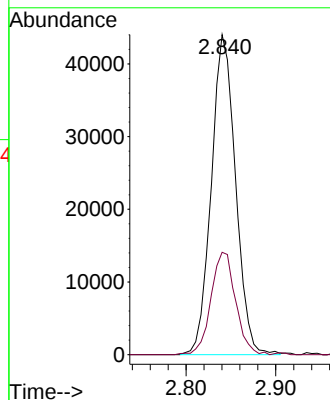
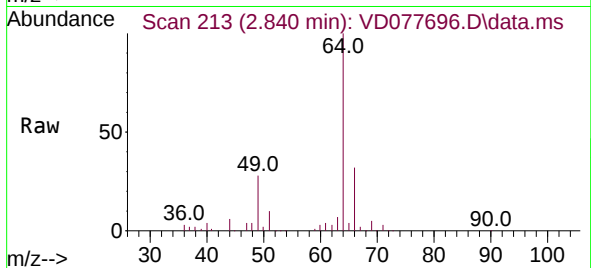




#8  
Chloroethane  
Concen: 22.359 ug/L  
RT: 2.840 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

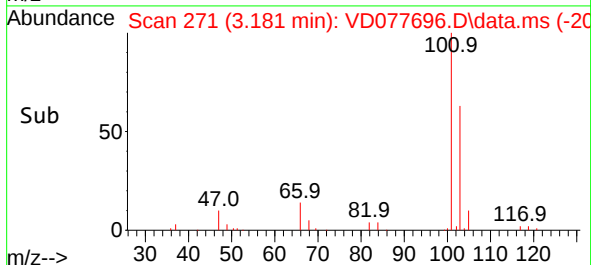
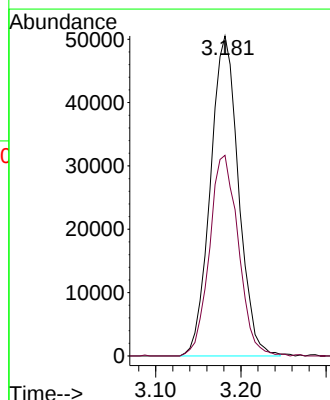
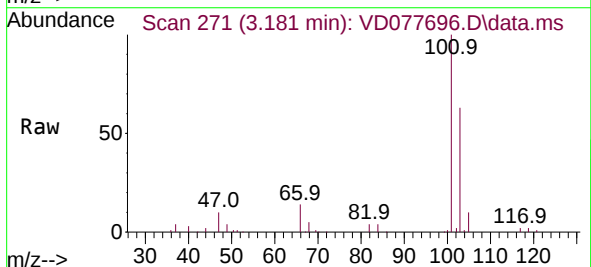
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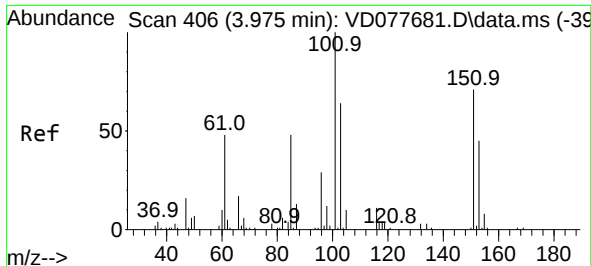
Tgt Ion: 64 Resp: 82624  
Ion Ratio Lower Upper  
64 100  
66 32.0 19.8 36.8



#9  
Trichlorofluoromethane  
Concen: 21.420 ug/L  
RT: 3.181 min Scan# 271  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:101 Resp: 115870  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.9 77.9

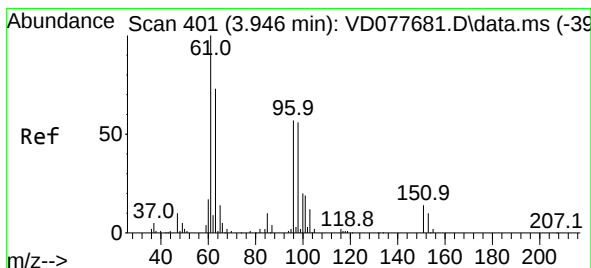
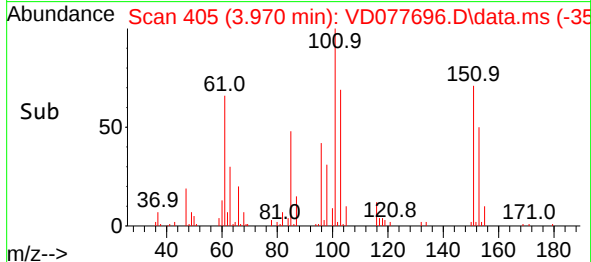
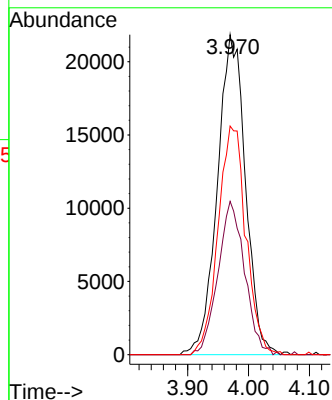
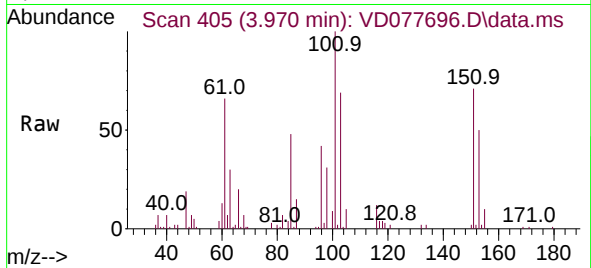




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.076 ug/L  
 RT: 3.970 min Scan# 406  
 Delta R.T. -0.006 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

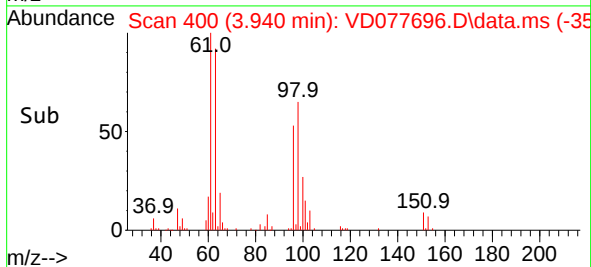
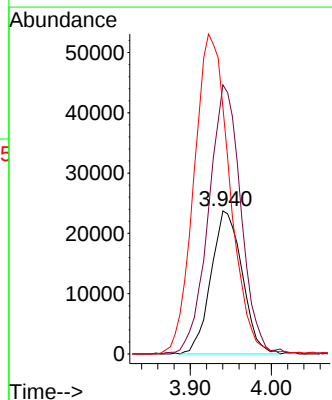
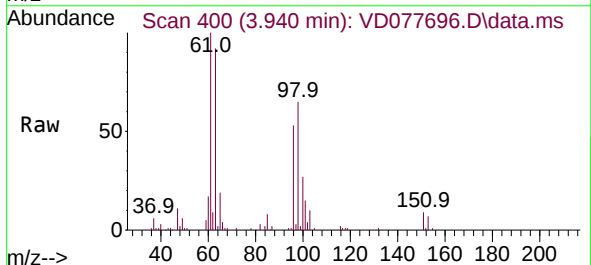
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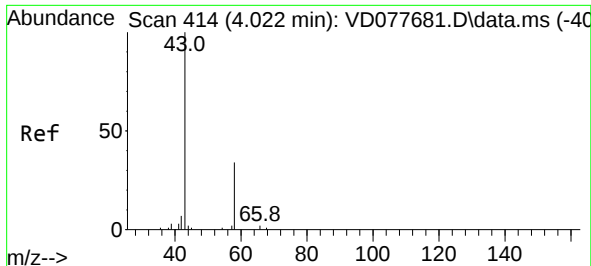
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 Ion Ratio Lower Upper  
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 85 45.1 36.8 55.2  
 151 70.6 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 19.538 ug/L  
 RT: 3.940 min Scan# 400  
 Delta R.T. -0.006 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

Tgt Ion: 96 Resp: 63152  
 Ion Ratio Lower Upper  
 96 100  
 61 188.2 127.5 236.9  
 63 172.4 86.4 160.4#





#13

Acetone

Concen: 40.114 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

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MSVOA\_D

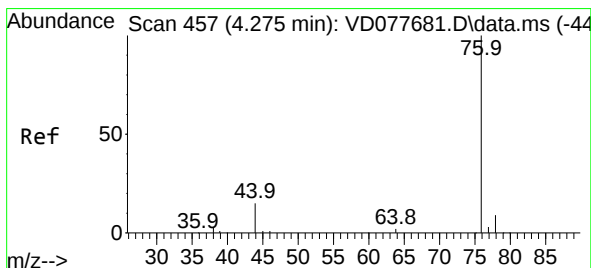
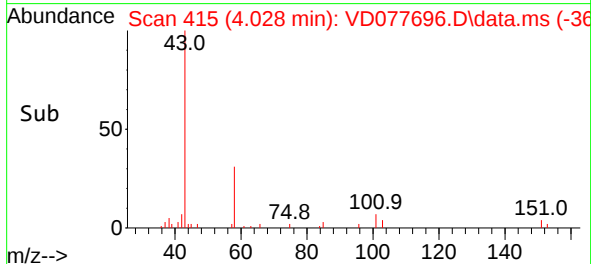
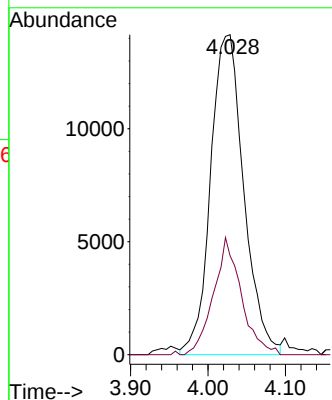
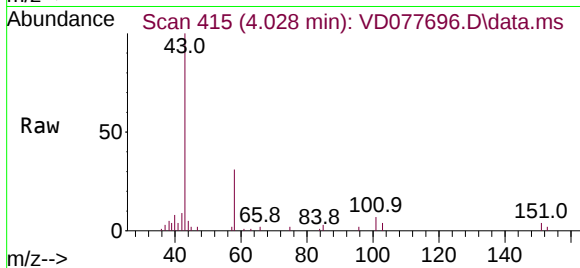
ClientSampleId :

Tgt Ion: 43 Resp: 42211

Ion Ratio Lower Upper

43 100

58 30.4 0.0 64.0



#14

Carbon disulfide

Concen: 16.328 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD077696.D

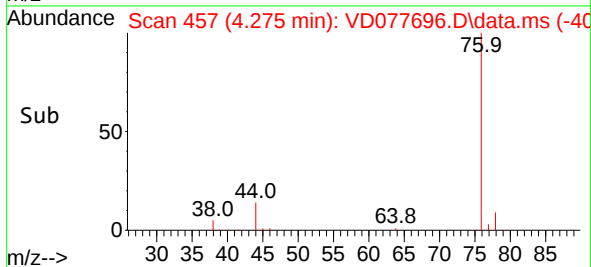
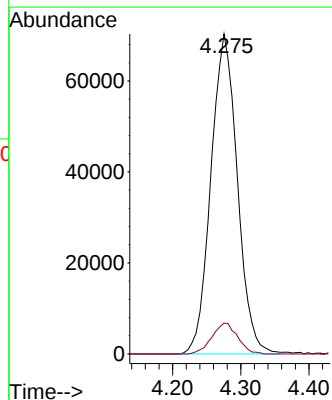
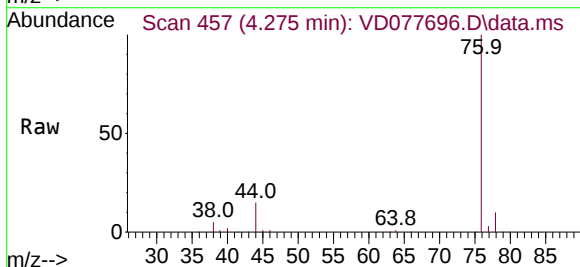
Acq: 24 Nov 2023 17:09

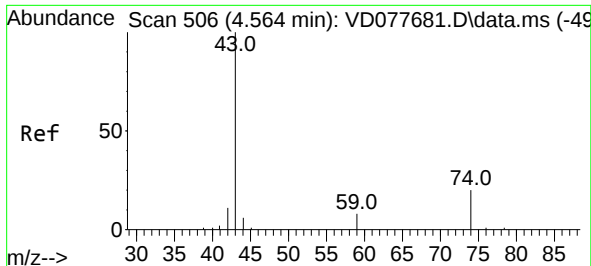
Tgt Ion: 76 Resp: 190045

Ion Ratio Lower Upper

76 100

78 9.7 6.9 10.3

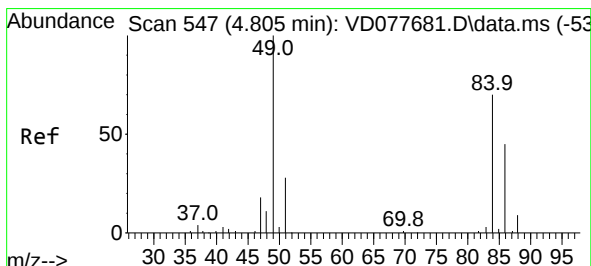
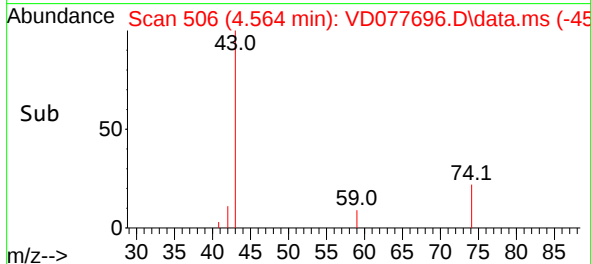
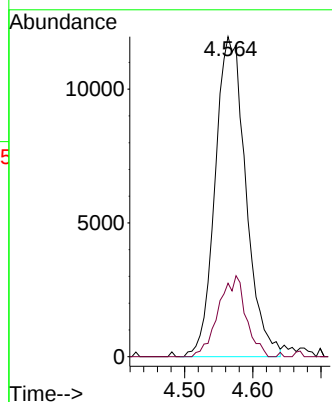
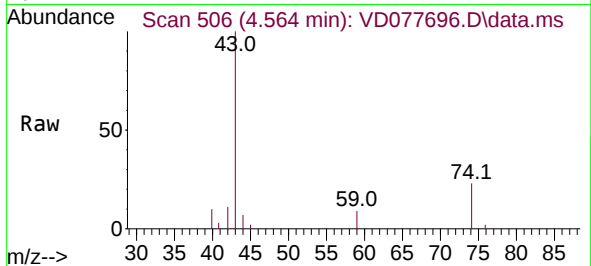




#15  
Methyl Acetate  
Concen: 21.581 ug/L  
RT: 4.564 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

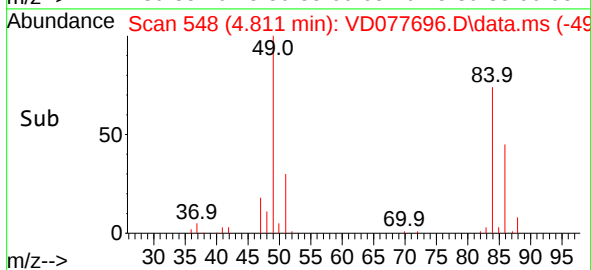
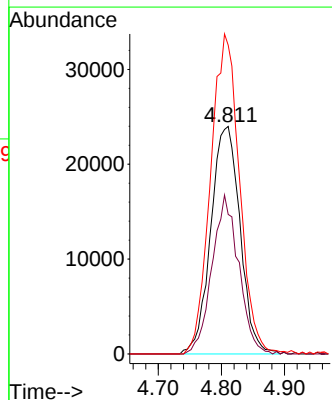
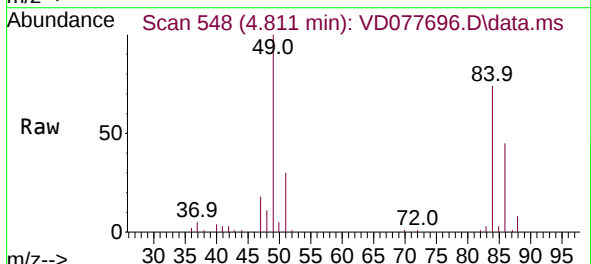
Instrument :  
MSVOA\_D  
ClientSampleId :

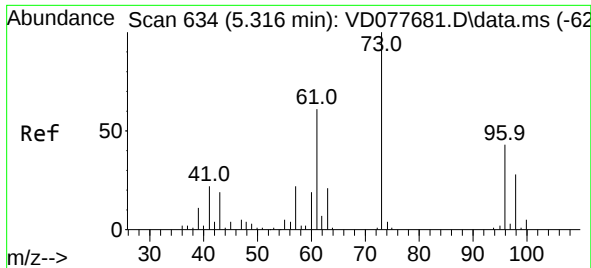
Tgt Ion: 43 Resp: 37360  
Ion Ratio Lower Upper  
43 100  
74 12.6 16.6 24.8#



#16  
Methylene chloride  
Concen: 20.140 ug/L  
RT: 4.811 min Scan# 548  
Delta R.T. 0.006 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 84 Resp: 77289  
Ion Ratio Lower Upper  
84 100  
86 61.4 46.5 86.5  
49 135.7 98.3 182.7

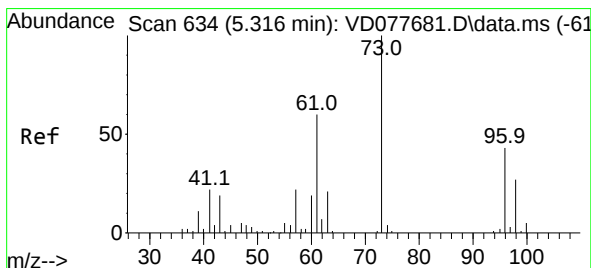
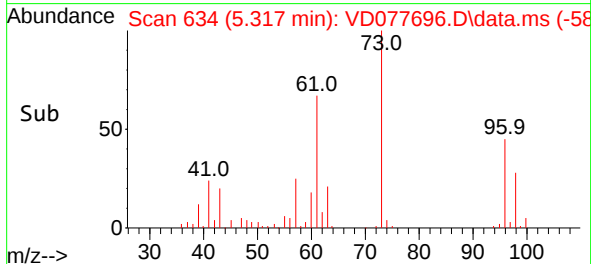
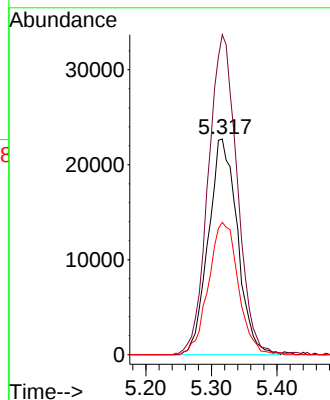
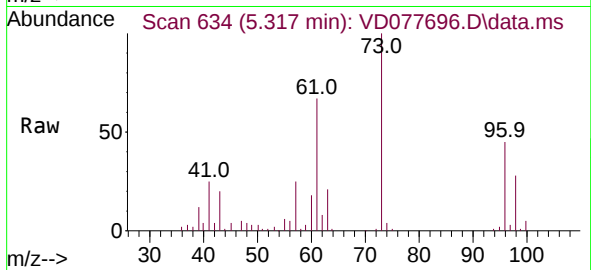




#17  
trans-1,2-Dichloroethene  
Concen: 20.530 ug/L  
RT: 5.317 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

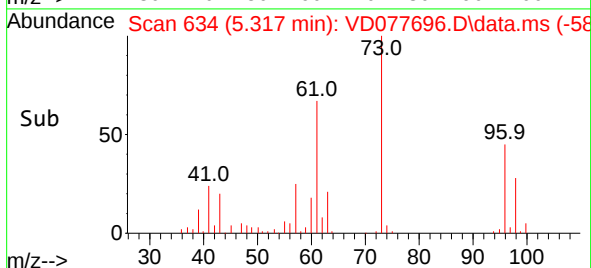
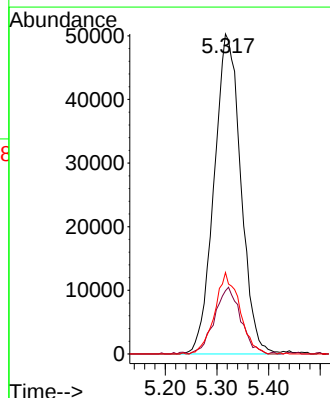
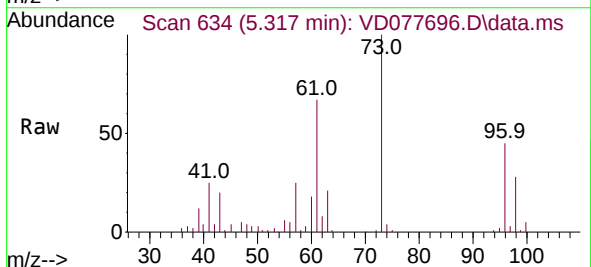
Instrument :  
MSVOA\_D  
ClientSampleId :

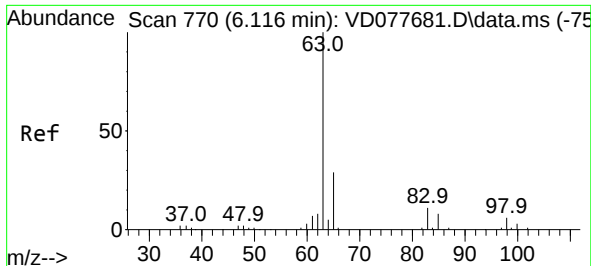
Tgt Ion: 96 Resp: 69803  
Ion Ratio Lower Upper  
96 100  
61 148.3 104.0 193.2  
98 61.3 43.1 80.1



#18  
Methyl tert-butyl Ether  
Concen: 22.614 ug/L  
RT: 5.317 min Scan# 634  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 73 Resp: 180469  
Ion Ratio Lower Upper  
73 100  
43 20.4 16.4 24.6  
57 23.6 19.3 28.9





#19

1,1-Dichloroethane

Concen: 22.036 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

ClientSampleId :

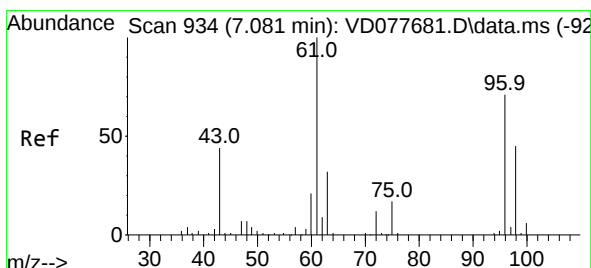
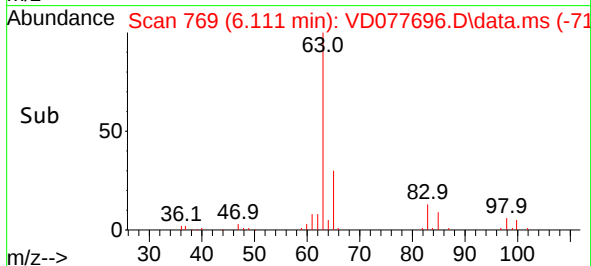
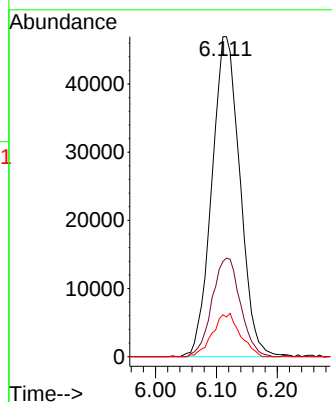
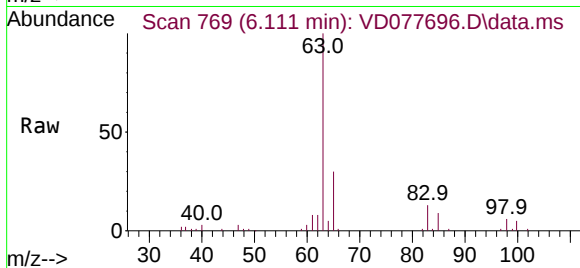
Tgt Ion: 63 Resp: 150328

Ion Ratio Lower Upper

63 100

65 29.8 22.6 42.0

83 13.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 22.230 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

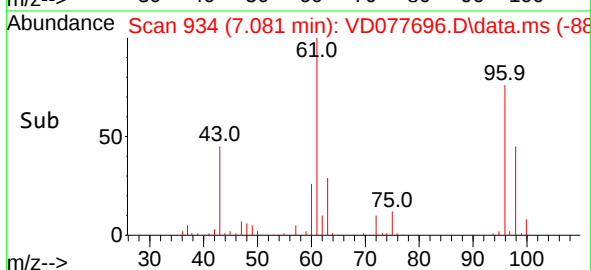
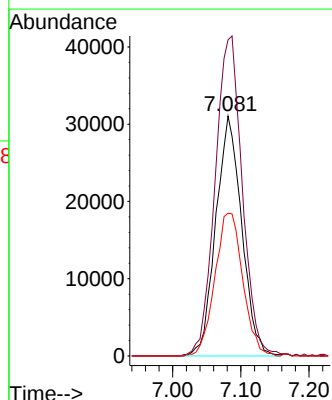
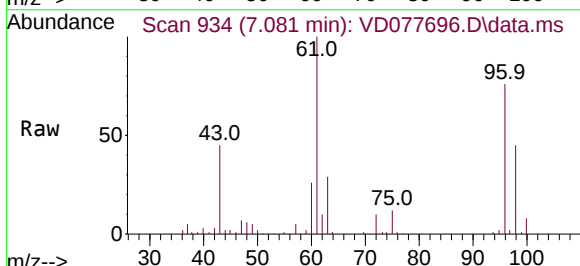
Tgt Ion: 96 Resp: 82118

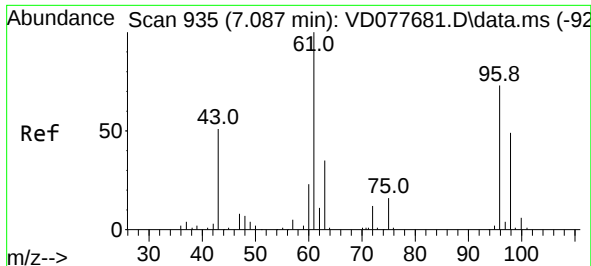
Ion Ratio Lower Upper

96 100

61 131.8 95.0 176.4

98 59.5 43.1 80.1

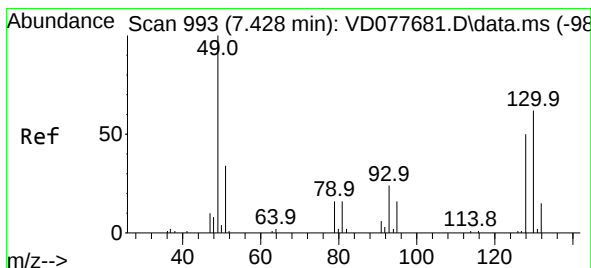
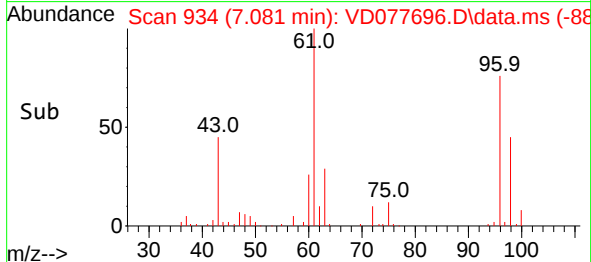
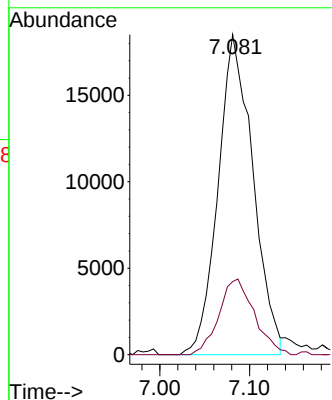
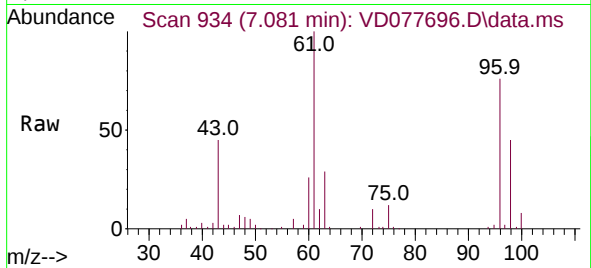




#22  
2-Butanone  
Concen: 39.427 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

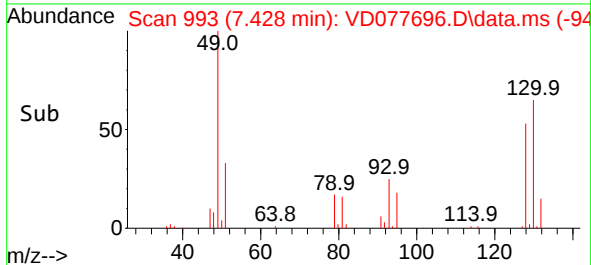
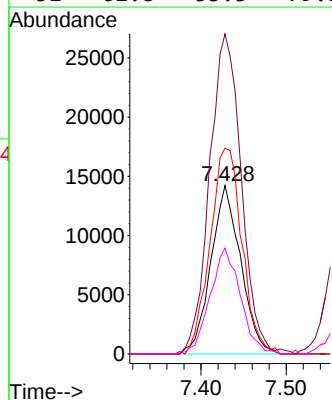
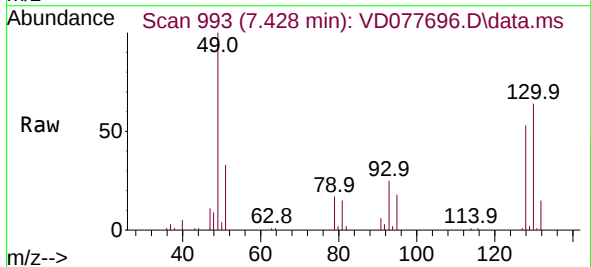
Instrument :  
MSVOA\_D  
ClientSampleId :

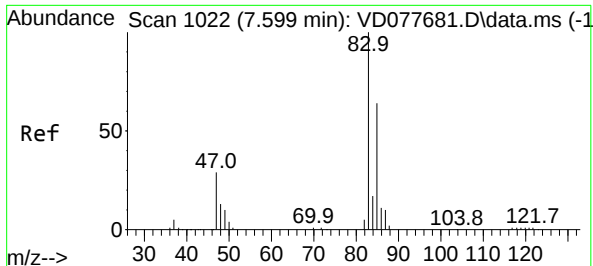
Tgt Ion: 43 Resp: 49919  
Ion Ratio Lower Upper  
43 100  
72 24.1 12.8 38.4



#23  
Bromochloromethane  
Concen: 23.365 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 128 Resp: 34681  
Ion Ratio Lower Upper  
128 100  
49 189.9 146.7 272.5  
130 122.1 83.2 154.6  
51 62.8 53.3 79.9





#25

Chloroform

Concen: 23.408 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

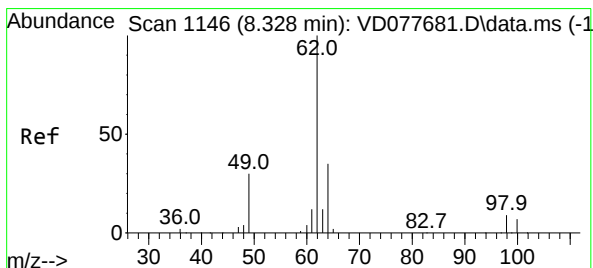
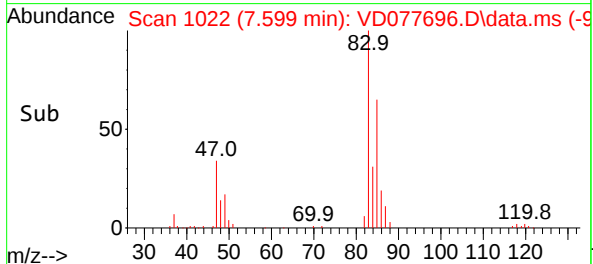
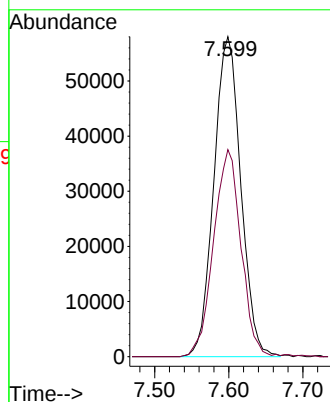
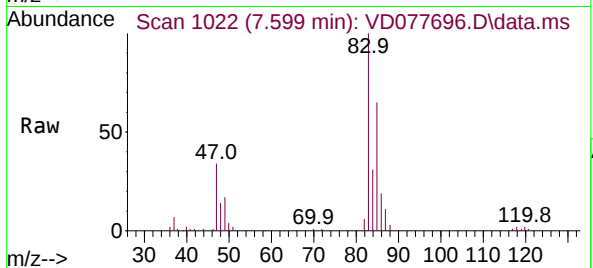
ClientSampleId :

Tgt Ion: 83 Resp: 146695

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3



#27

1,2-Dichloroethane

Concen: 24.015 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077696.D

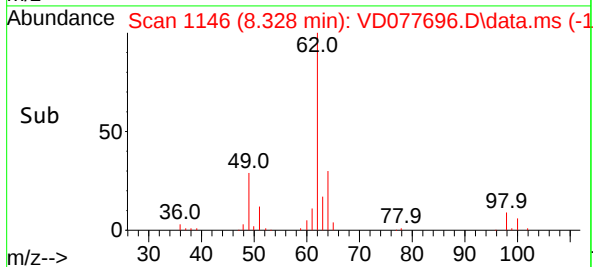
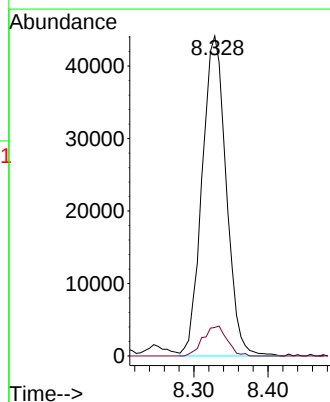
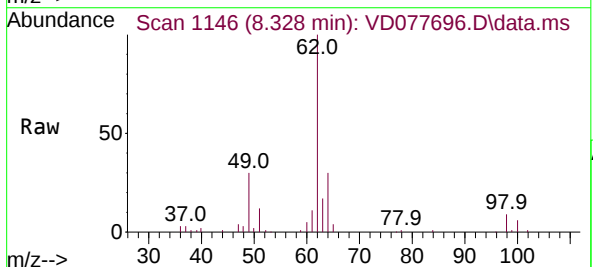
Acq: 24 Nov 2023 17:09

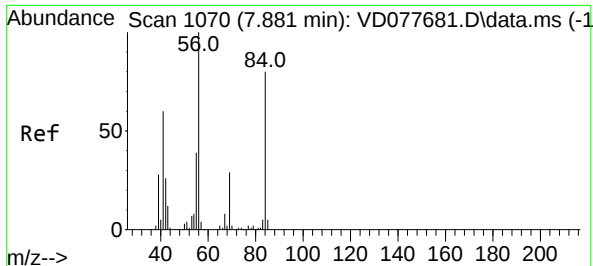
Tgt Ion: 62 Resp: 99767

Ion Ratio Lower Upper

62 100

98 8.9 8.0 12.0





#29

Cyclohexane

Concen: 16.332 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

ClientSampleId :

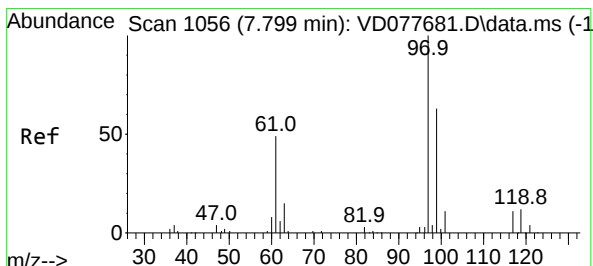
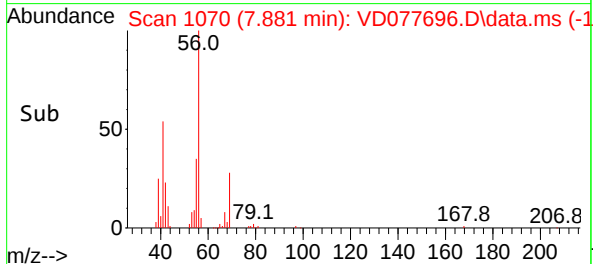
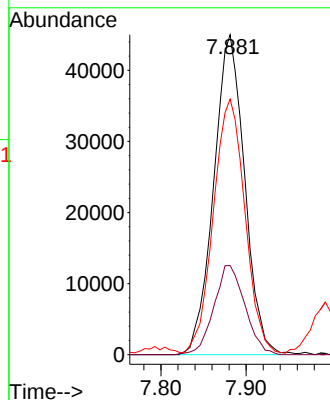
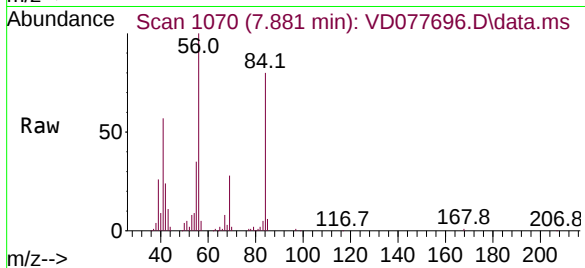
Tgt Ion: 56 Resp: 113267

Ion Ratio Lower Upper

56 100

69 28.1 22.6 33.8

84 82.3 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 21.428 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

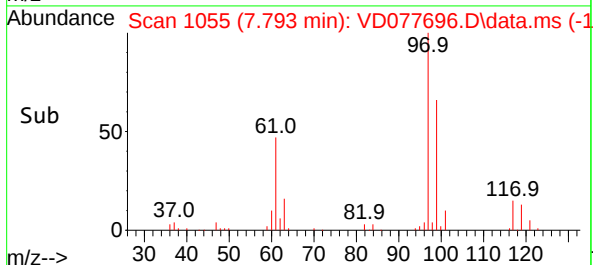
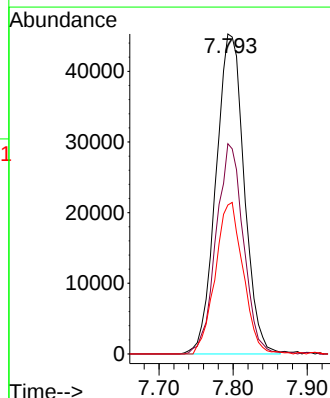
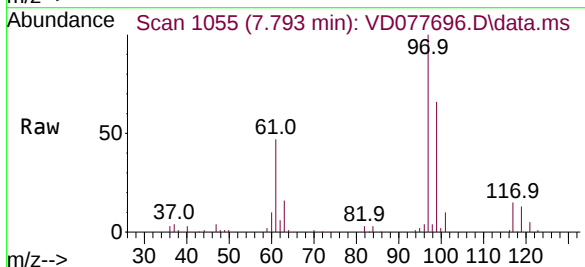
Tgt Ion: 97 Resp: 119818

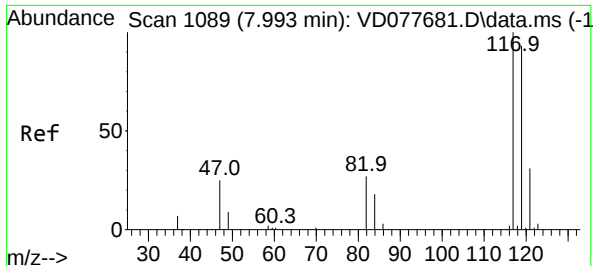
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.2

61 46.7 38.1 57.1

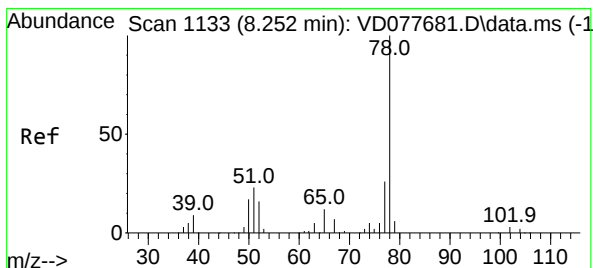
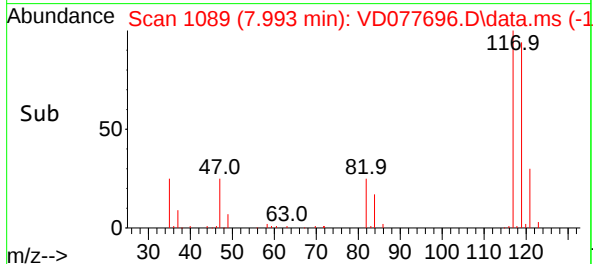
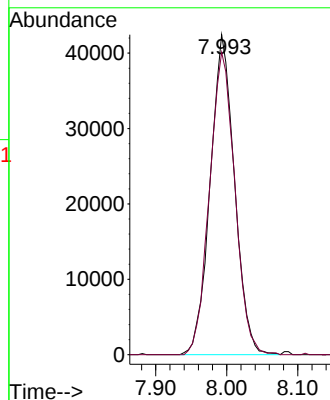
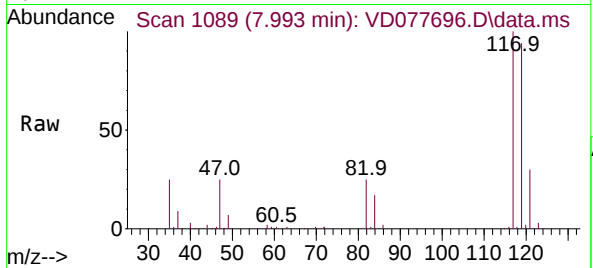




#31  
Carbon tetrachloride  
Concen: 20.988 ug/L  
RT: 7.993 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

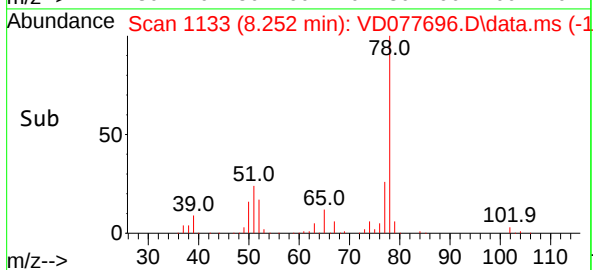
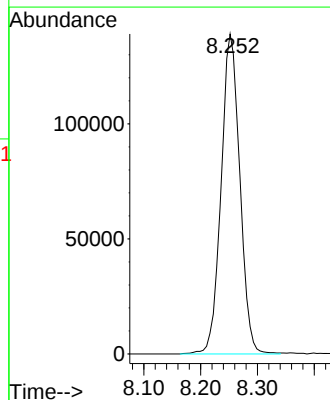
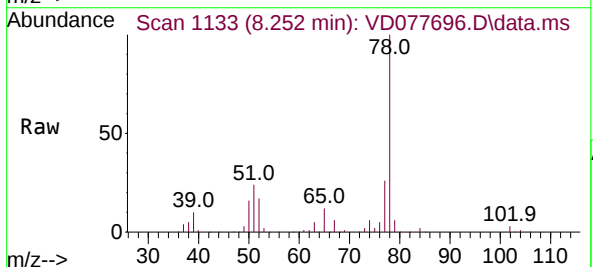
Instrument :  
MSVOA\_D  
ClientSampleId :

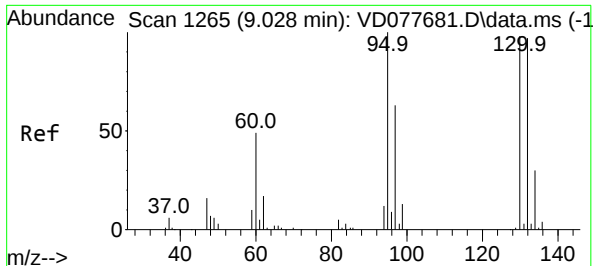
Tgt Ion:117 Resp: 100855  
Ion Ratio Lower Upper  
117 100  
119 98.3 75.4 113.0



#33  
Benzene  
Concen: 21.545 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

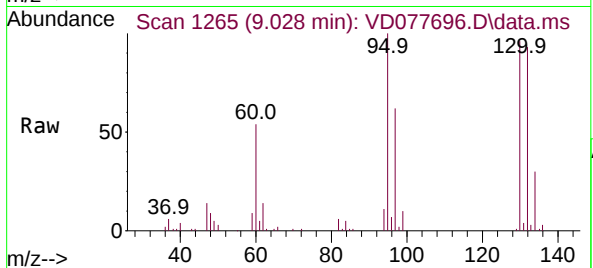
Tgt Ion: 78 Resp: 319120





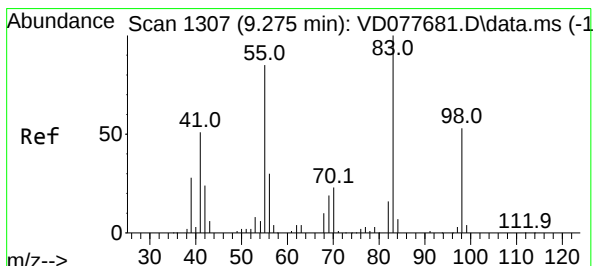
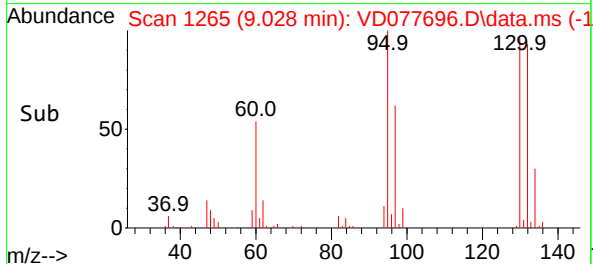
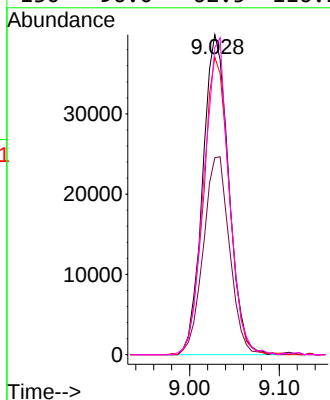
#34  
Trichloroethene  
Concen: 21.822 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 95 Resp: 80093

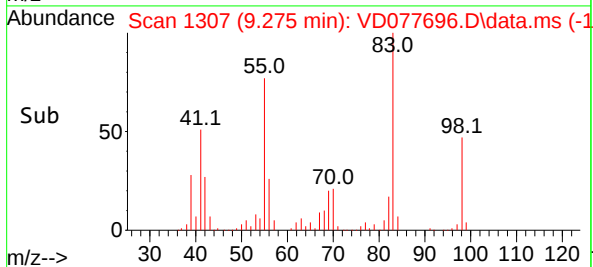
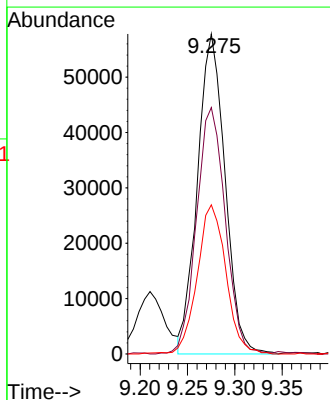
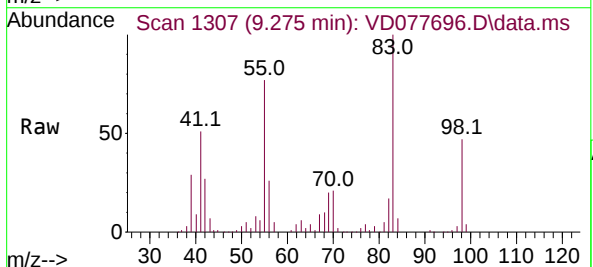
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.6  | 42.4  | 78.6  |
| 132 | 92.9  | 59.4  | 110.2 |
| 130 | 96.0  | 62.5  | 116.1 |

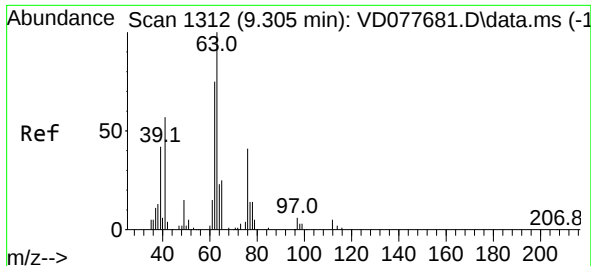


#35  
Methylcyclohexane  
Concen: 17.724 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 83 Resp: 117388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.1  | 66.5  | 99.7  |
| 98  | 48.2  | 37.4  | 56.2  |

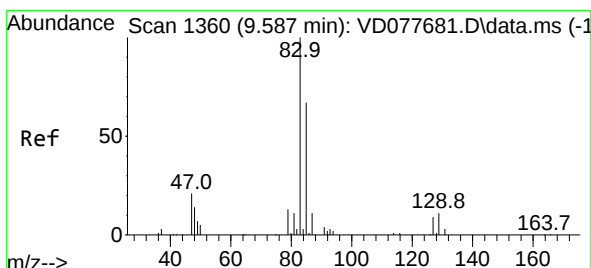
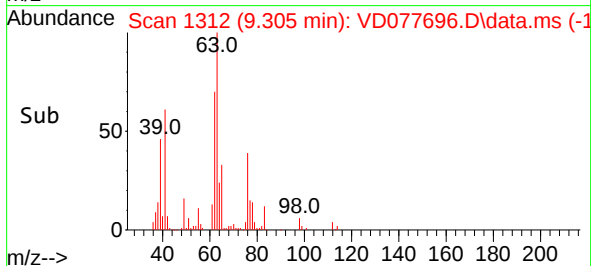
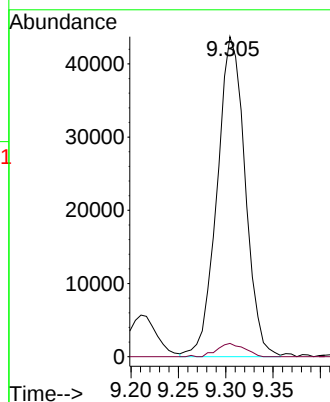
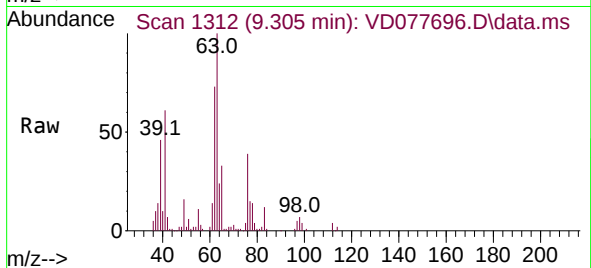




#37  
1,2-Dichloropropane  
Concen: 21.906 ug/L  
RT: 9.305 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

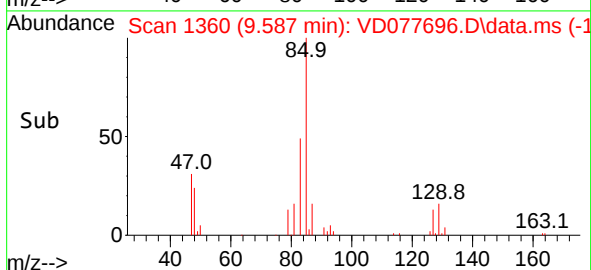
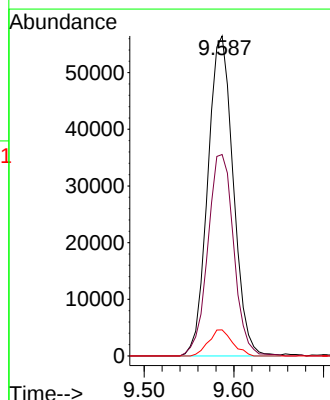
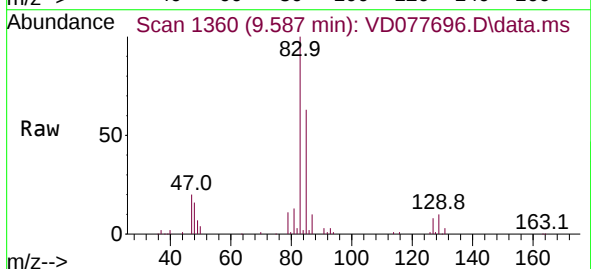
Instrument :  
MSVOA\_D  
ClientSampleId :

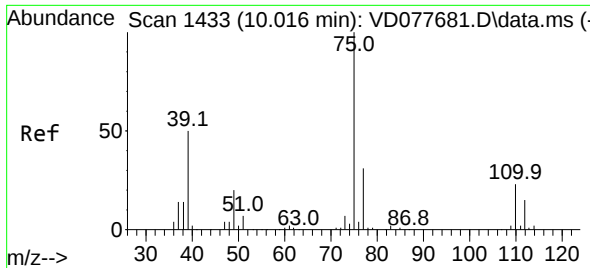
Tgt Ion: 63 Resp: 90203  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.2 4.8



#38  
Bromodichloromethane  
Concen: 23.541 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 83 Resp: 111189  
Ion Ratio Lower Upper  
83 100  
85 63.0 42.4 78.8  
127 9.1 6.4 9.6

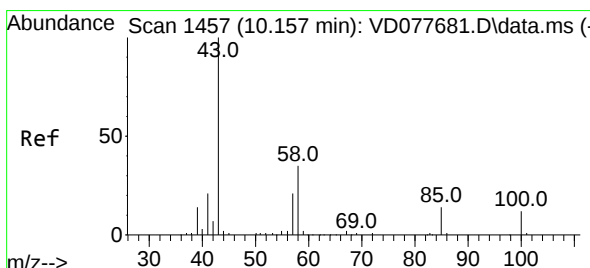
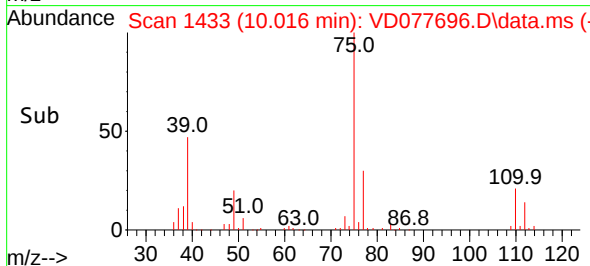
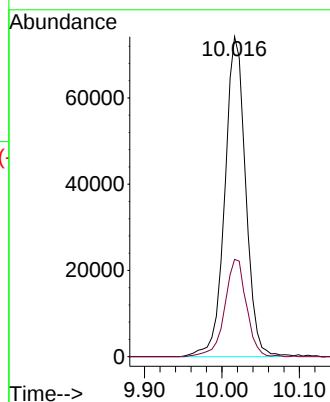
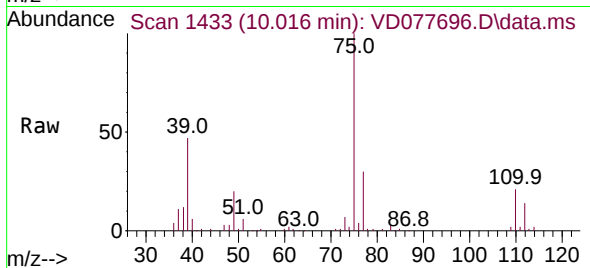




#39  
 cis-1,3-Dichloropropene  
 Concen: 21.944 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

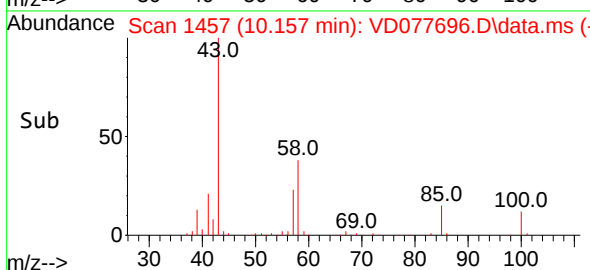
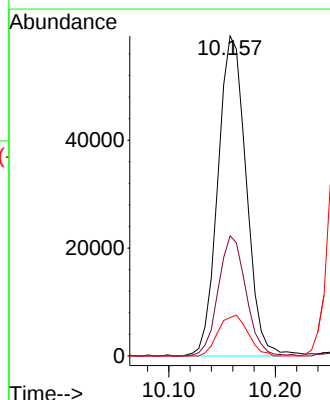
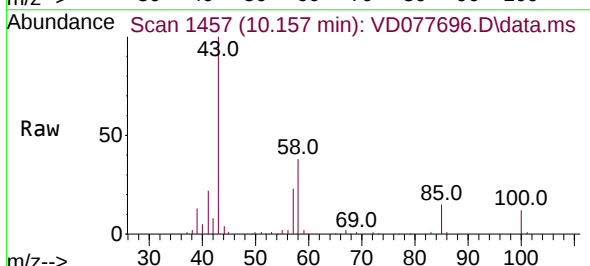
Instrument :  
 MSVOA\_D  
 ClientSampleId :

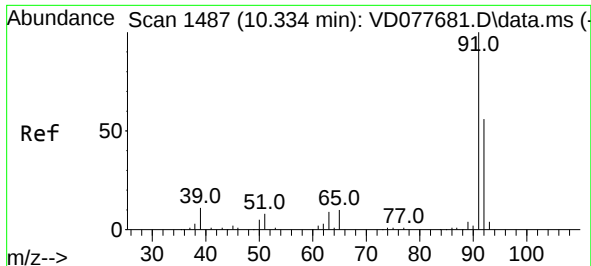
Tgt Ion: 75 Resp: 138851  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 43.427 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

Tgt Ion: 43 Resp: 108971  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 29.8 44.8  
 100 13.5 9.5 14.3

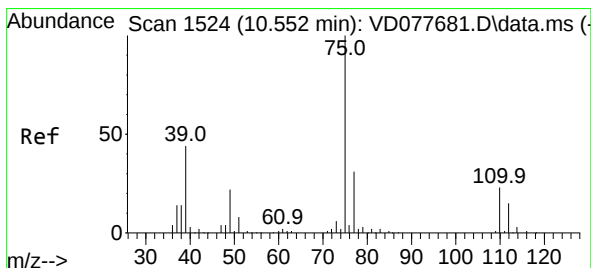
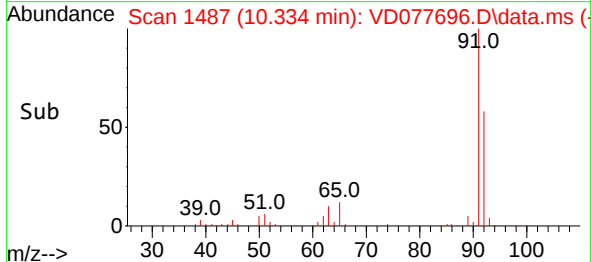
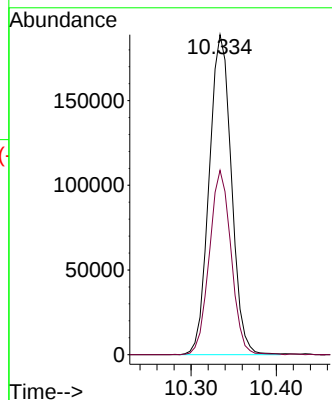
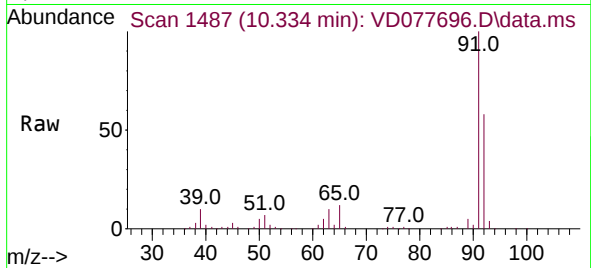




#42  
Toluene  
Concen: 22.053 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

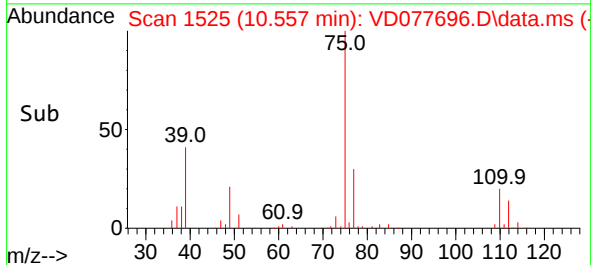
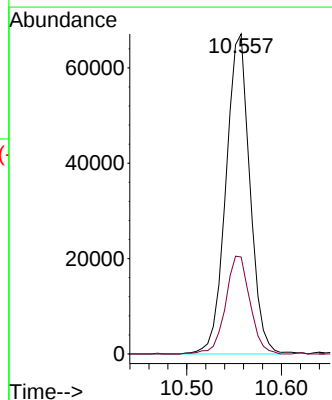
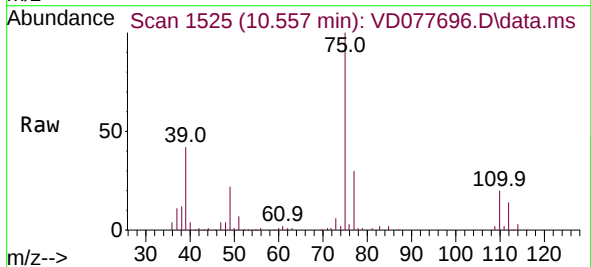
Instrument :  
MSVOA\_D  
ClientSampleId :

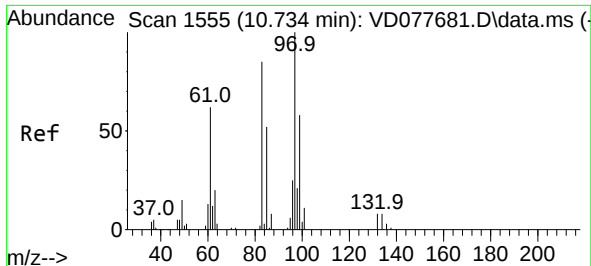
Tgt Ion: 91 Resp: 342951  
Ion Ratio Lower Upper  
91 100  
92 57.6 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 22.512 ug/L  
RT: 10.557 min Scan# 1525  
Delta R.T. 0.006 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 75 Resp: 117703  
Ion Ratio Lower Upper  
75 100  
77 30.3 22.3 41.5

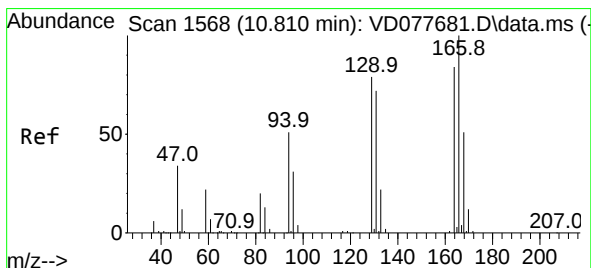
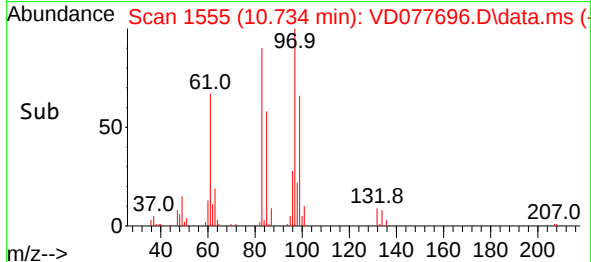
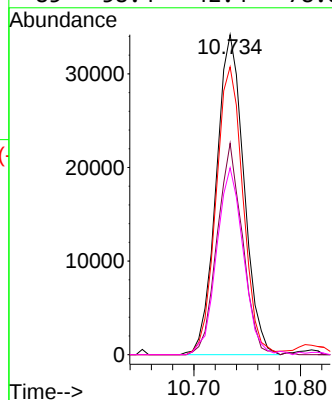
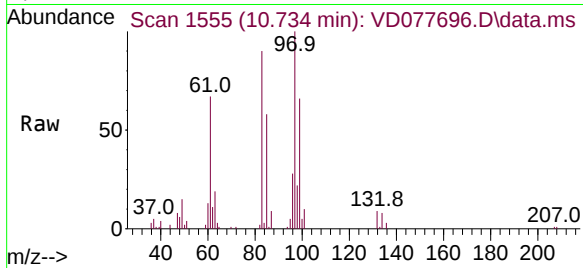




#45  
1,1,2-Trichloroethane  
Concen: 24.465 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

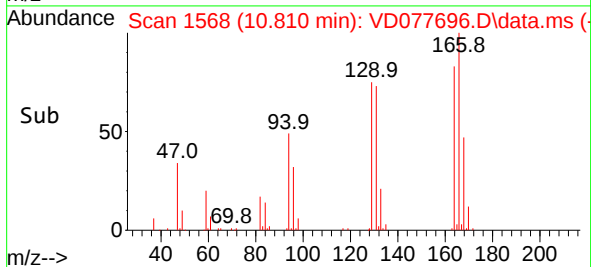
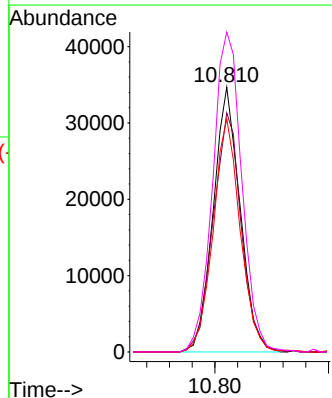
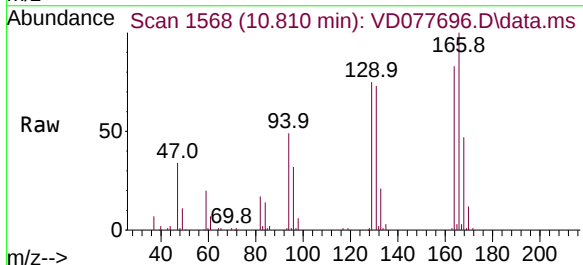
Instrument :  
MSVOA\_D  
ClientSampleId :

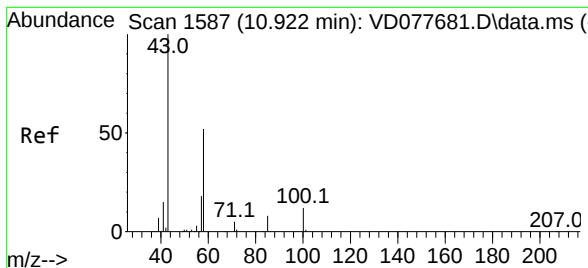
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 61579 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.1  | 43.5  | 80.7  |
| 83       | 90.0  | 63.1  | 117.3 |
| 85       | 58.4  | 42.4  | 78.8  |



#46  
Tetrachloroethene  
Concen: 21.125 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 57048 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.3  | 60.6  | 112.6 |
| 131      | 88.0  | 61.6  | 114.4 |
| 166      | 120.8 | 85.4  | 158.6 |



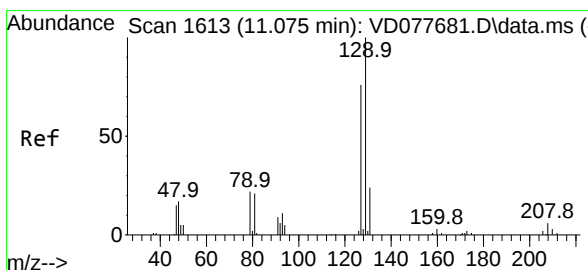
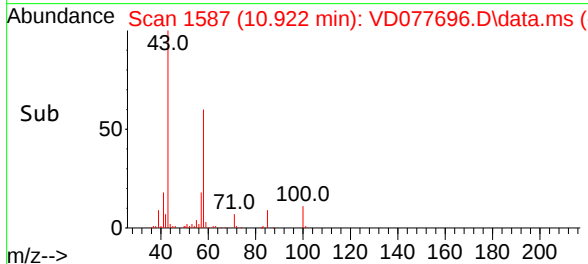
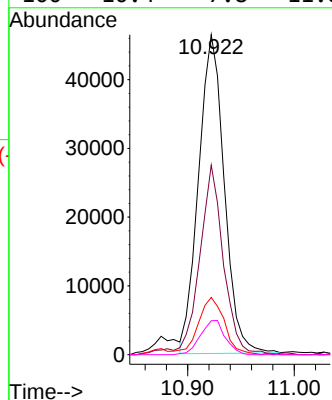
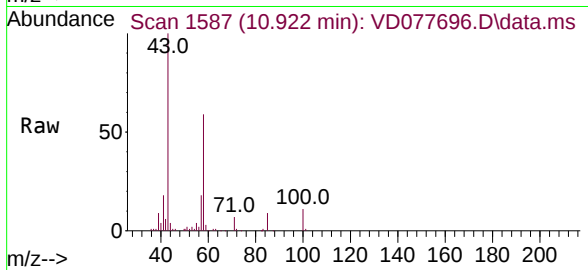


#48  
2-Hexanone  
Concen: 39.126 ug/L  
RT: 10.922 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 77820

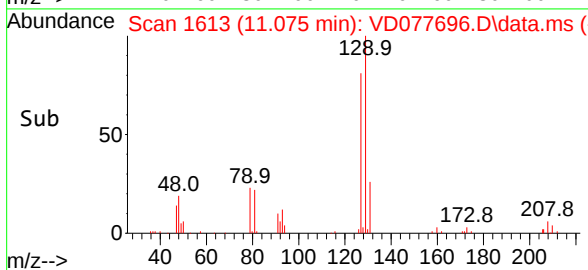
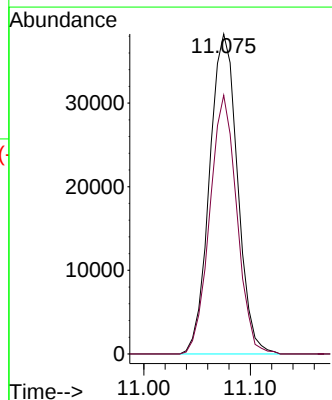
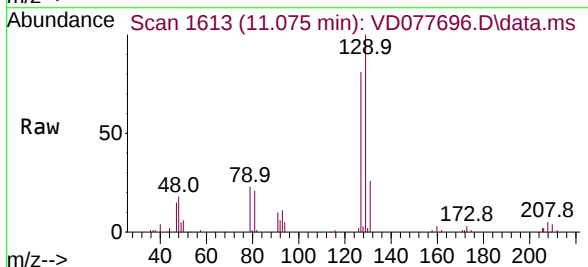
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.0  | 40.8  | 61.2  |
| 57  | 18.5  | 13.7  | 20.5  |
| 100 | 10.4  | 7.8   | 11.8  |

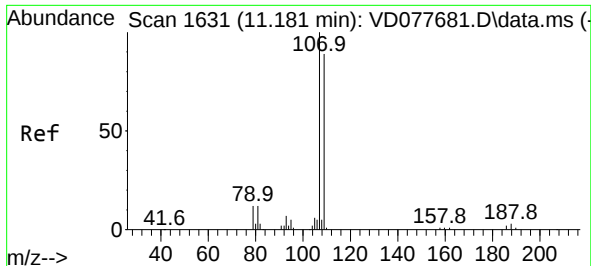


#49  
Dibromochloromethane  
Concen: 24.408 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 129 Resp: 69785

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 80.9  | 54.9  | 102.1 |

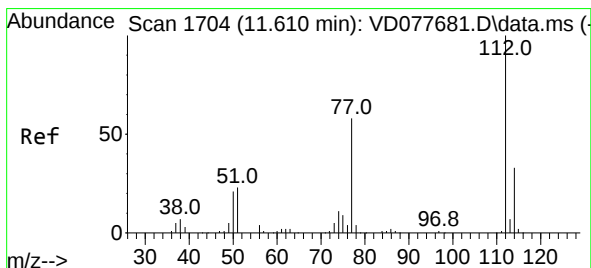
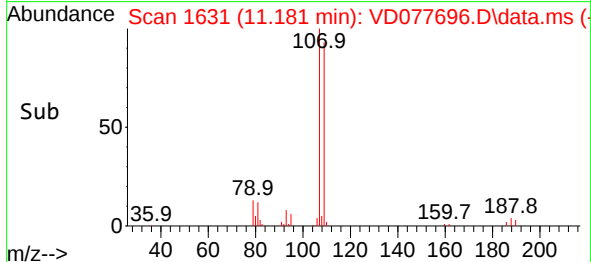
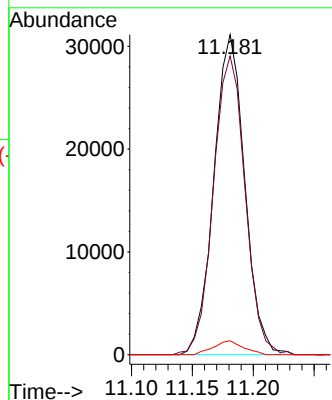
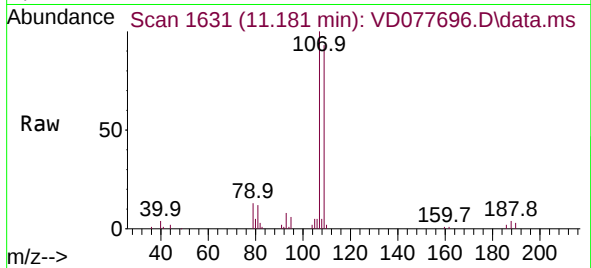




#50  
1,2-Dibromoethane  
Concen: 22.759 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

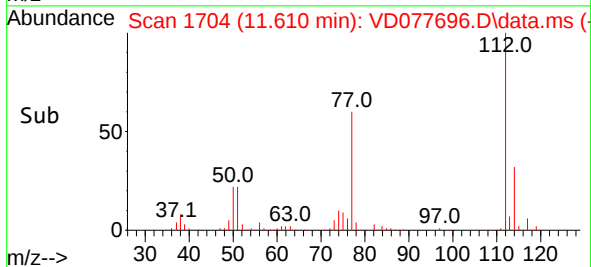
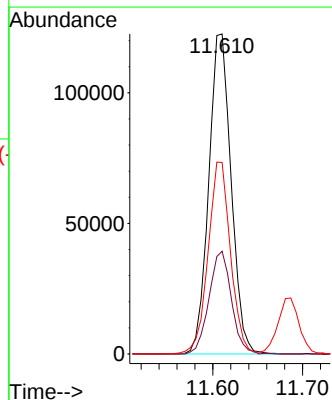
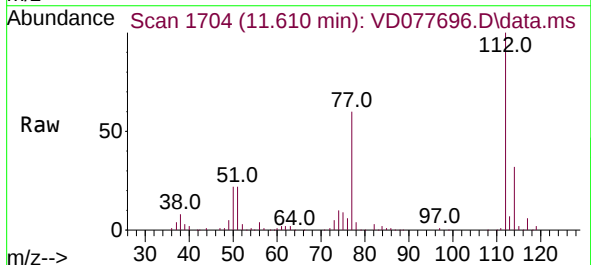
Instrument :  
MSVOA\_D  
ClientSampleId :

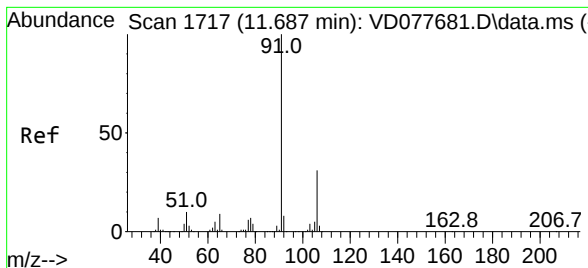
Tgt Ion:107 Resp: 54782  
Ion Ratio Lower Upper  
107 100  
109 93.4 64.8 120.3  
188 4.3 3.2 4.8



#51  
Chlorobenzene  
Concen: 23.325 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:112 Resp: 212511  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.4 41.6  
77 59.9 49.6 74.4

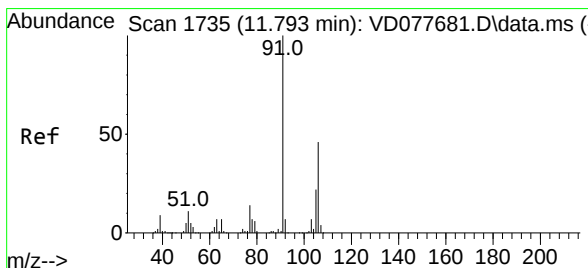
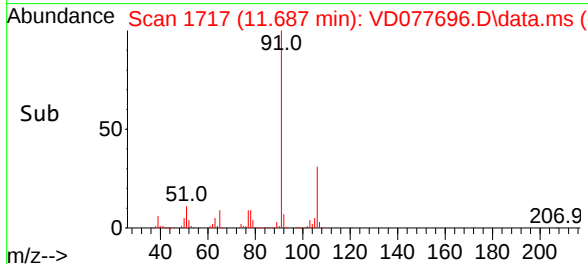
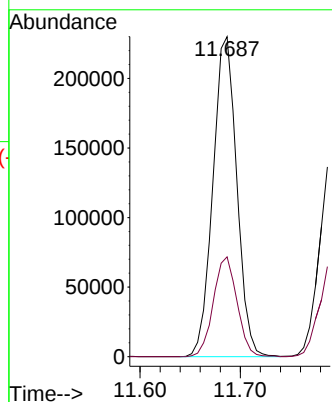
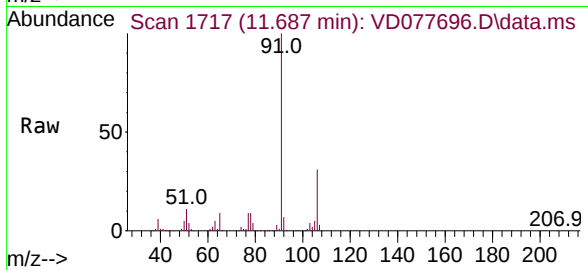




#52  
Ethylbenzene  
Concen: 22.192 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

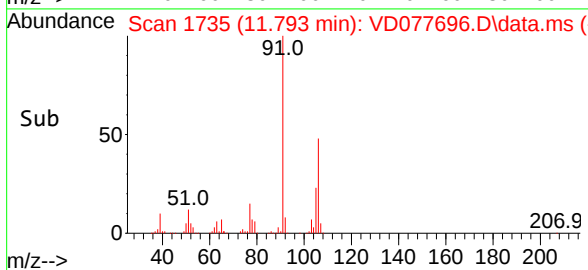
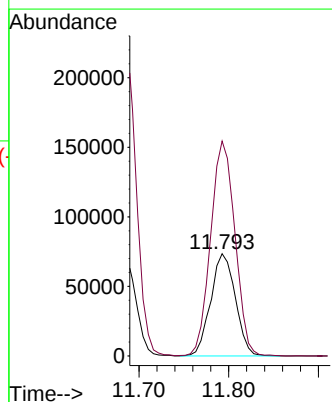
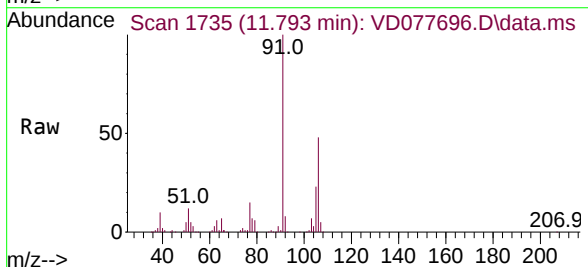
Instrument :  
MSVOA\_D  
ClientSampleId :

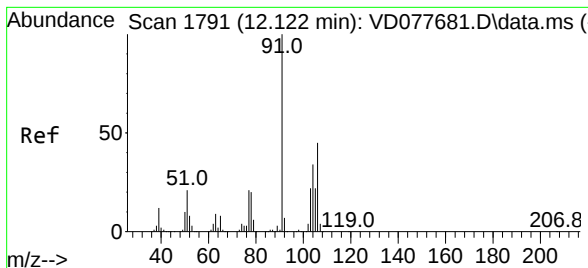
Tgt Ion: 91 Resp: 379729  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.0 40.8



#53  
m,p-Xylene  
Concen: 22.556 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:106 Resp: 140448  
Ion Ratio Lower Upper  
106 100  
91 210.0 146.7 272.4

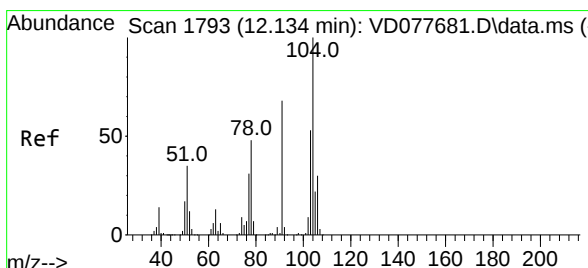
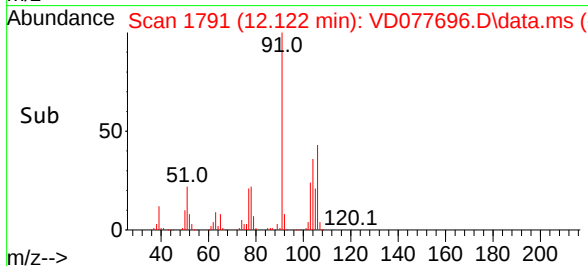
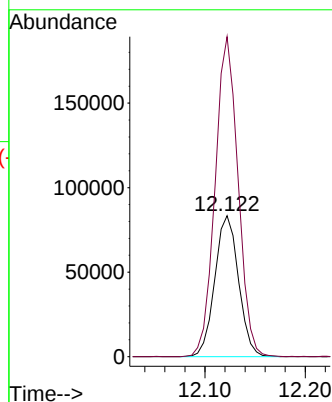
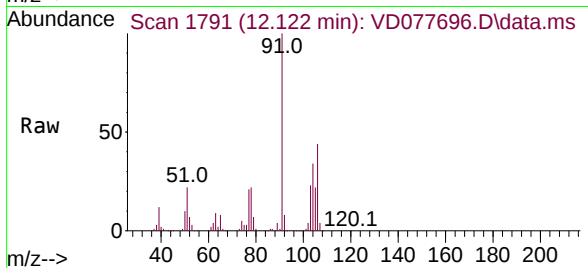




#54  
o-Xylene  
Concen: 22.975 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

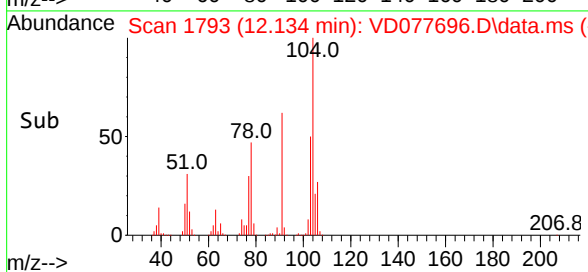
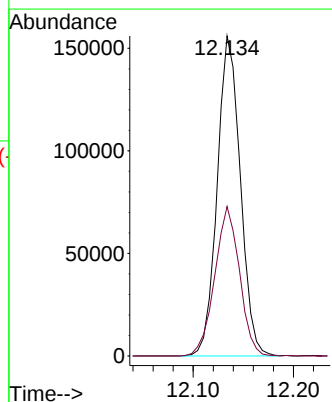
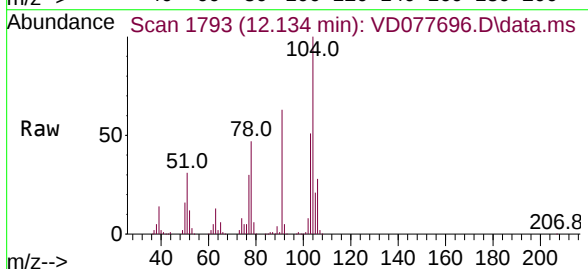
Instrument :  
MSVOA\_D  
ClientSampleId :

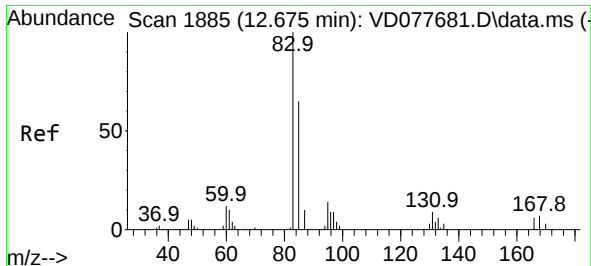
Tgt Ion:106 Resp: 137017  
Ion Ratio Lower Upper  
106 100  
91 226.9 158.5 294.4



#55  
Styrene  
Concen: 23.942 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:104 Resp: 249305  
Ion Ratio Lower Upper  
104 100  
78 46.7 34.9 64.9





#57

1,1,2,2-Tetrachloroethane

Concen: 25.105 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

ClientSampleId :

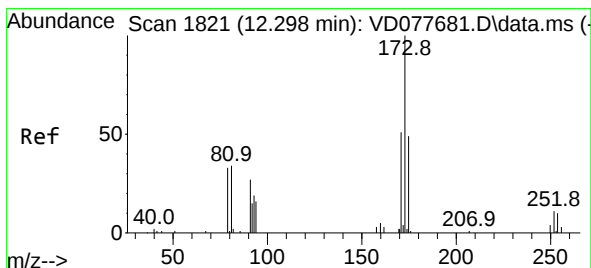
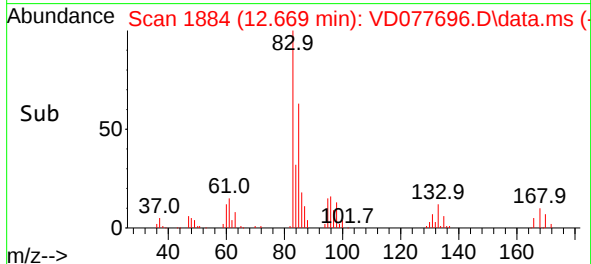
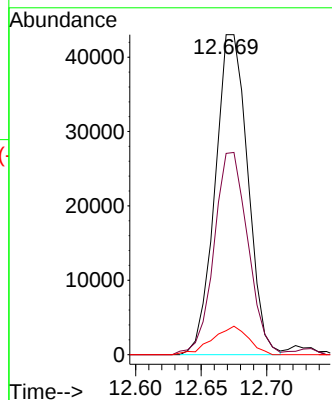
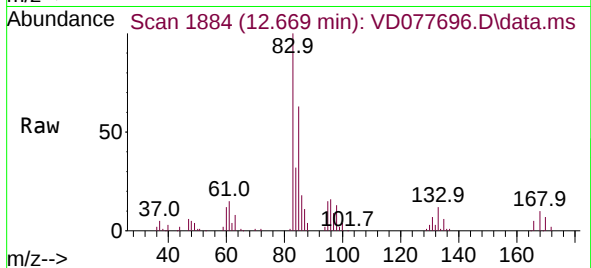
Tgt Ion: 83 Resp: 74441

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3

131 7.5 7.2 10.8



#59

Bromoform

Concen: 22.573 ug/L

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

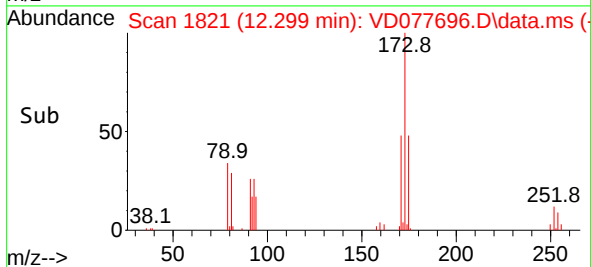
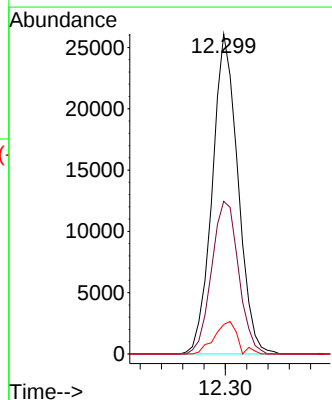
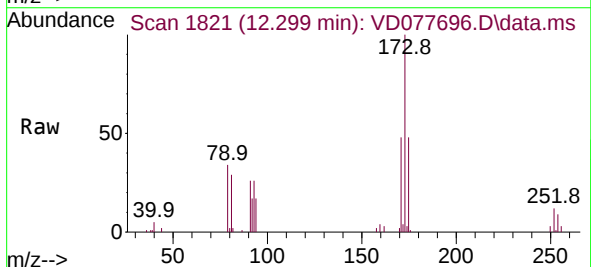
Tgt Ion:173 Resp: 43574

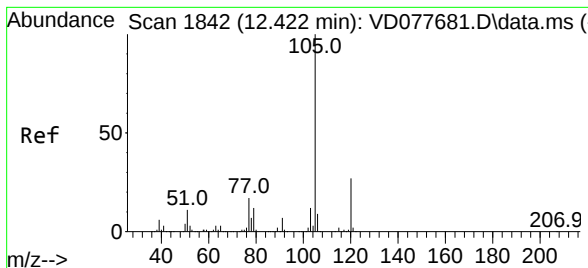
Ion Ratio Lower Upper

173 100

175 50.1 38.2 57.2

254 8.5 7.1 10.7





#60

Isopropylbenzene

Concen: 20.968 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

ClientSampleId :

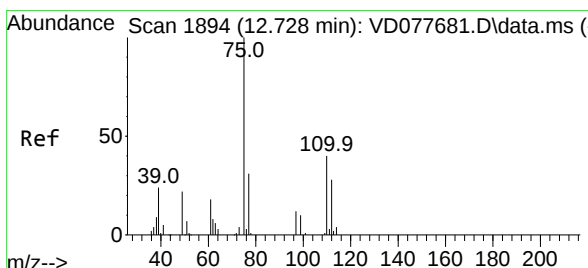
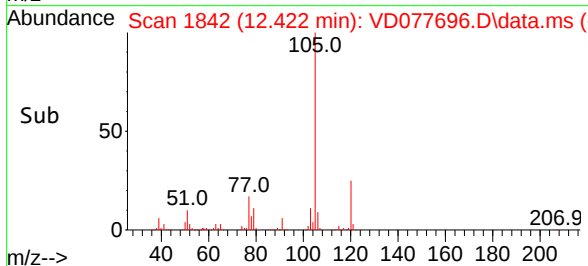
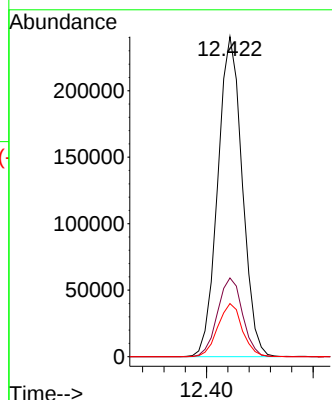
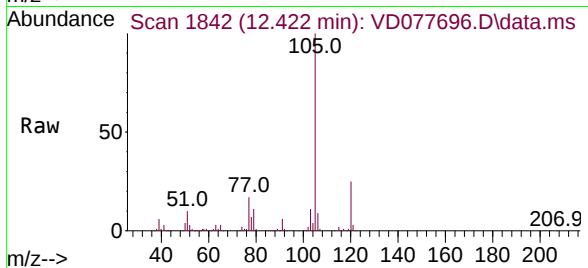
Tgt Ion:105 Resp: 384010

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.4

77 16.5 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 21.724 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

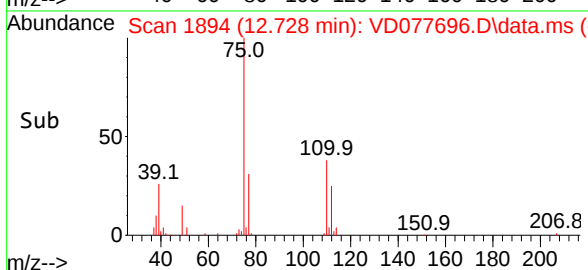
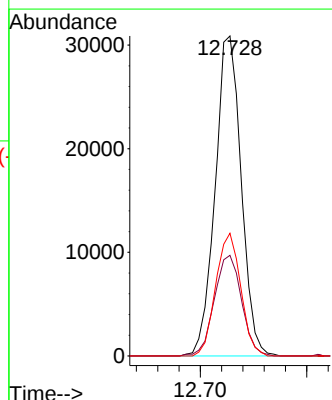
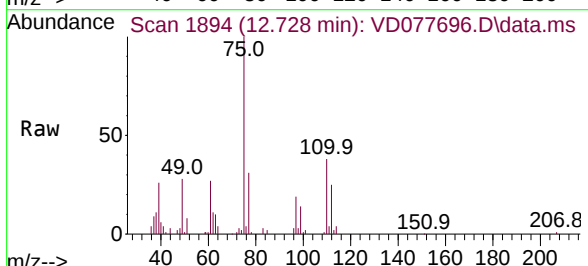
Tgt Ion: 75 Resp: 52394

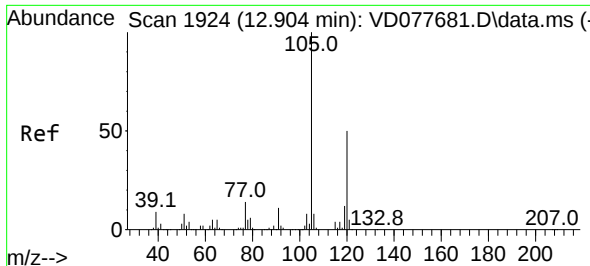
Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

110 36.8 29.6 44.4

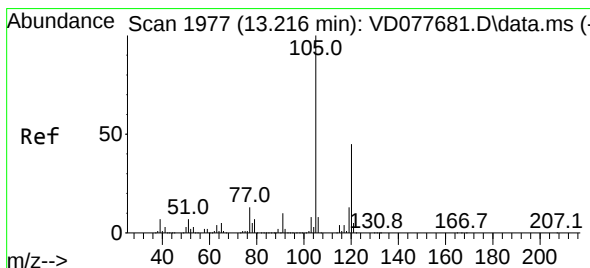
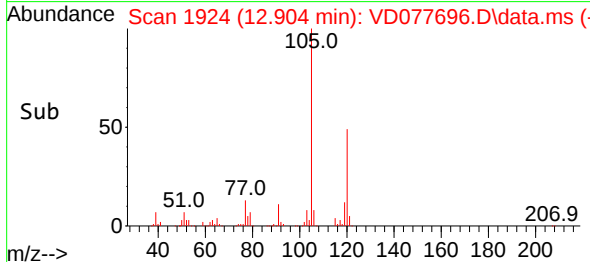
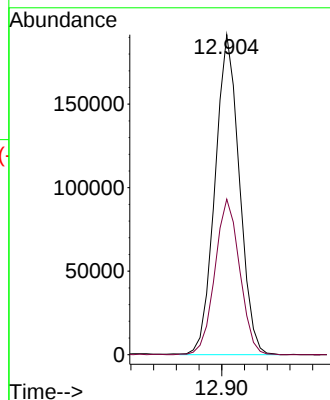
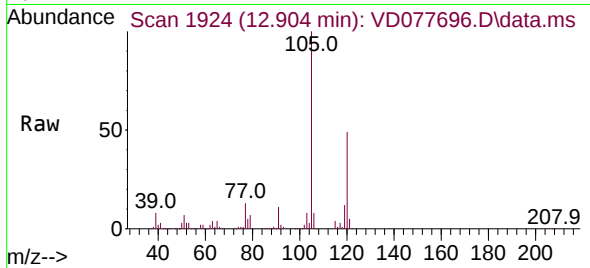




#62  
 1,3,5-Trimethylbenzene  
 Concen: 20.516 ug/L  
 RT: 12.904 min Scan# 1924  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

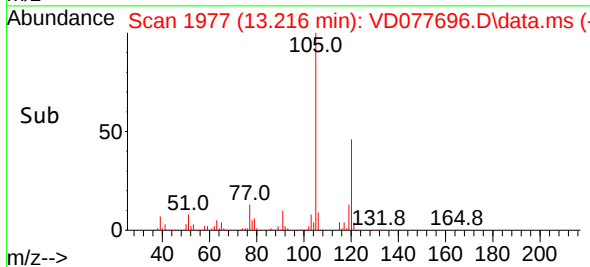
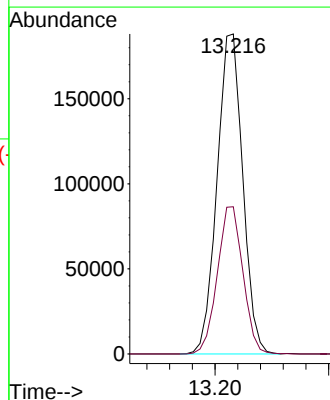
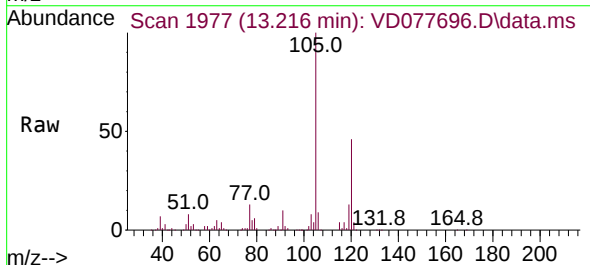
Instrument :  
 MSVOA\_D  
 ClientSampleId :

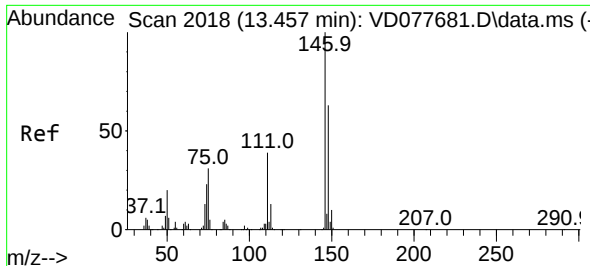
Tgt Ion:105 Resp: 285160  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 37.8 56.6



#63  
 1,2,4-Trimethylbenzene  
 Concen: 20.983 ug/L  
 RT: 13.216 min Scan# 1977  
 Delta R.T. 0.000 min  
 Lab File: VD077696.D  
 Acq: 24 Nov 2023 17:09

Tgt Ion:105 Resp: 295442  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 35.6 53.4

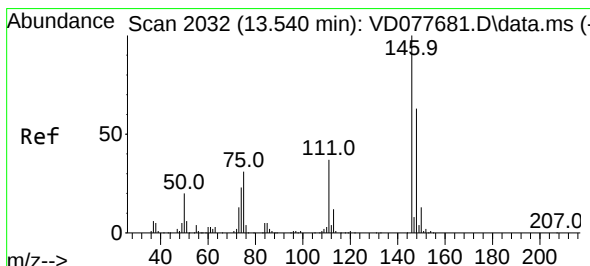
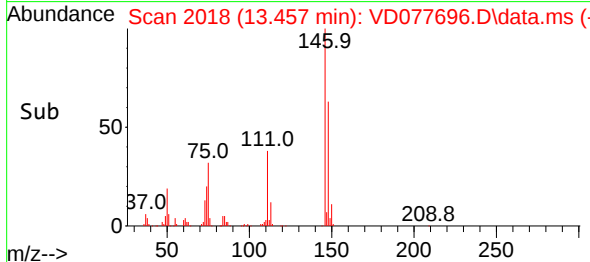
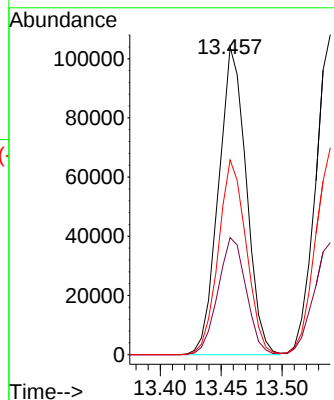
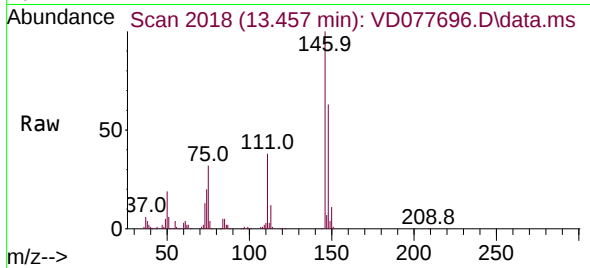




#64  
1,3-Dichlorobenzene  
Concen: 21.972 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

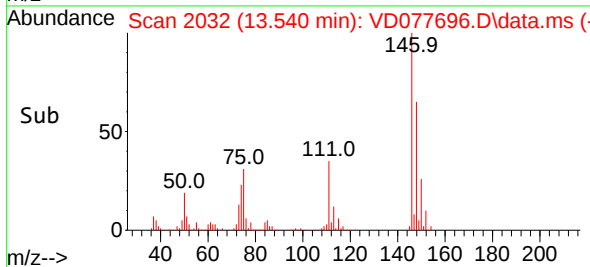
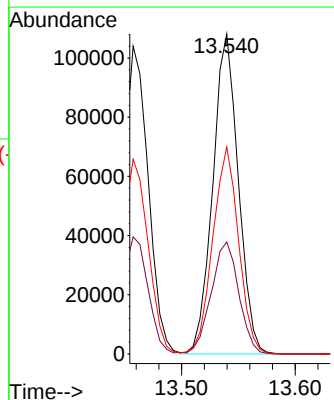
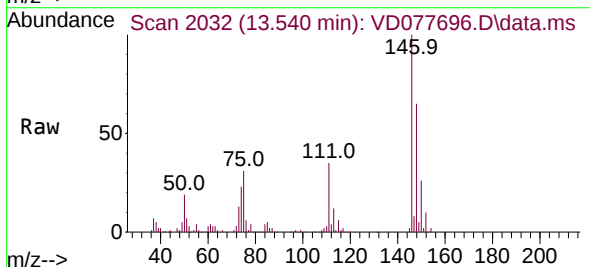
Instrument :  
MSVOA\_D  
ClientSampleId :

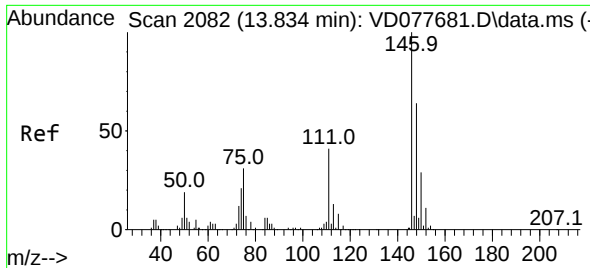
Tgt Ion:146 Resp: 165084  
Ion Ratio Lower Upper  
146 100  
111 38.1 27.2 50.6  
148 63.3 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 22.295 ug/L  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:146 Resp: 169056  
Ion Ratio Lower Upper  
146 100  
111 35.0 25.6 47.4  
148 64.7 44.1 81.9

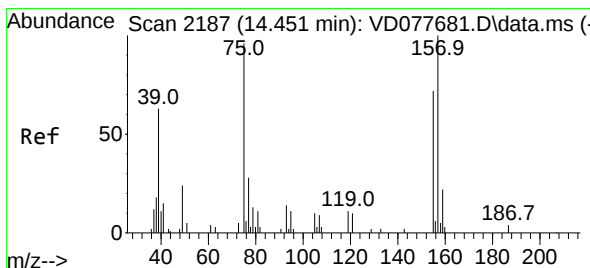
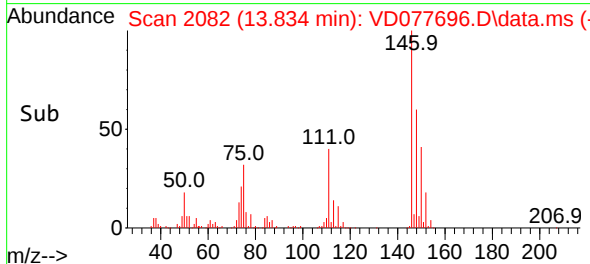
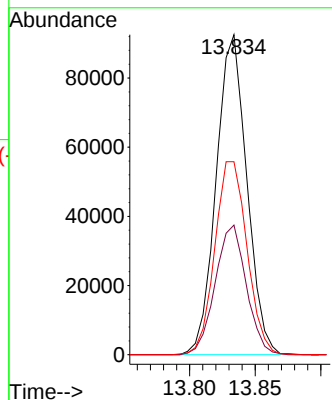
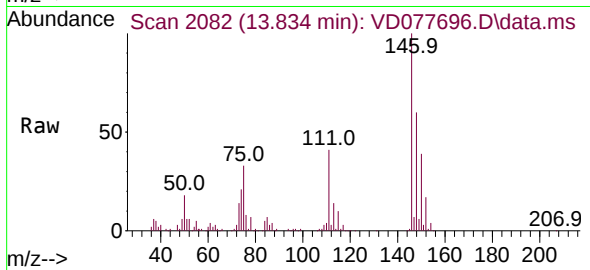




#67  
1,2-Dichlorobenzene  
Concen: 22.616 ug/L  
RT: 13.834 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

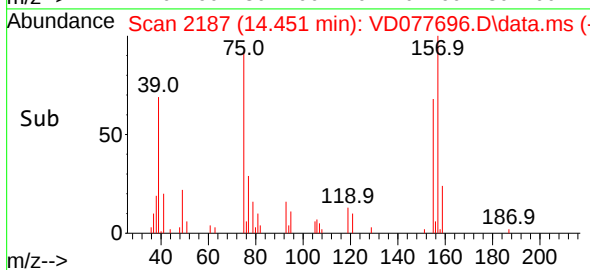
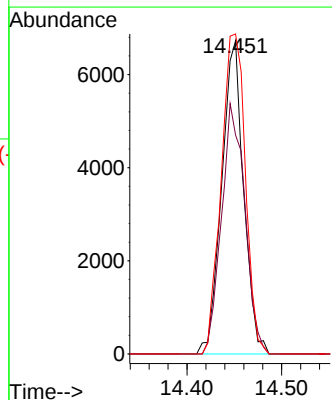
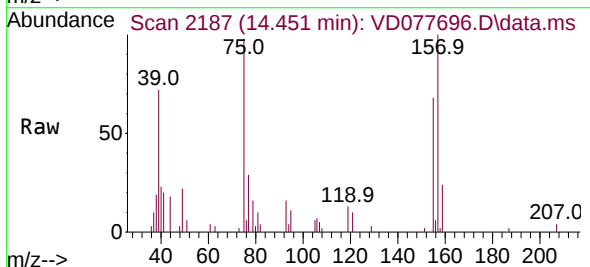
Instrument :  
MSVOA\_D  
ClientSampleId :

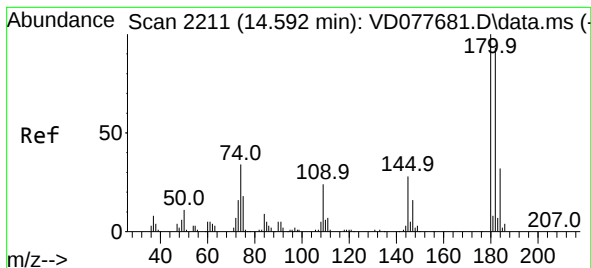
Tgt Ion:146 Resp: 150231  
Ion Ratio Lower Upper  
146 100  
111 40.5 33.8 50.6  
148 60.3 54.3 81.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 20.610 ug/L  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion: 75 Resp: 10812  
Ion Ratio Lower Upper  
75 100  
155 69.9 58.2 87.2  
157 102.2 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 21.374 ug/L

RT: 14.592 min Scan# 21

Delta R.T. 0.000 min

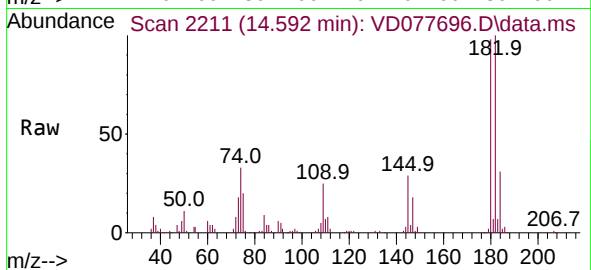
Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 109345

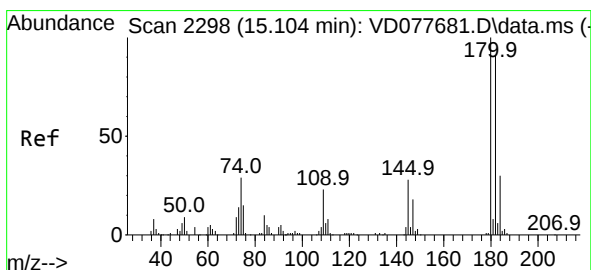
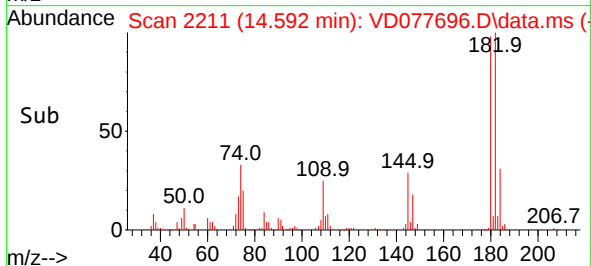
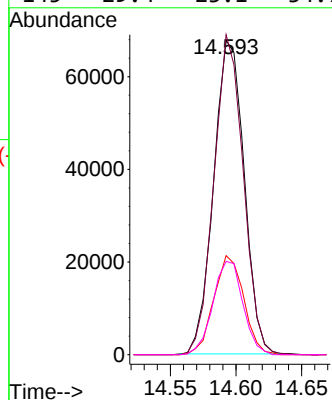
Ion Ratio Lower Upper

180 100

182 98.2 76.1 114.1

184 31.0 24.0 36.0

145 29.4 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 22.020 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077696.D

Acq: 24 Nov 2023 17:09

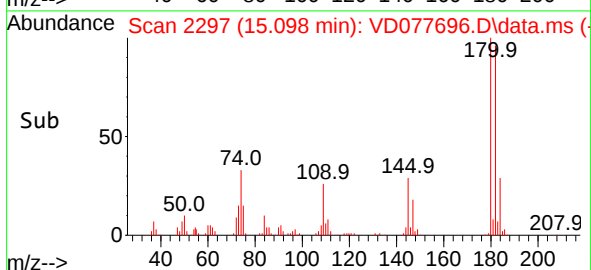
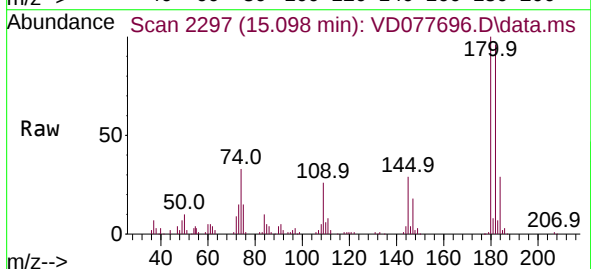
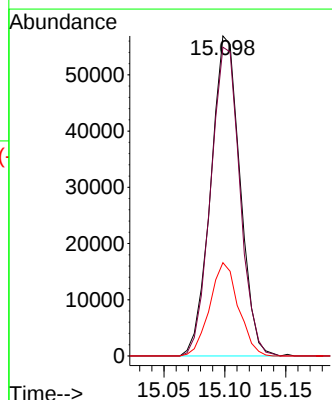
Tgt Ion:180 Resp: 94943

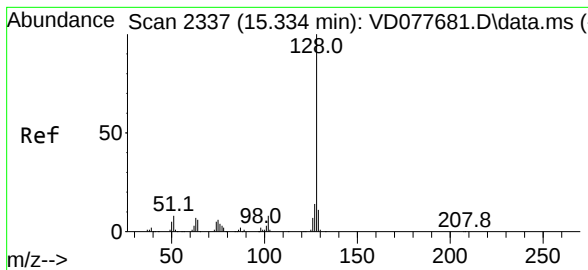
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 28.6 24.1 36.1

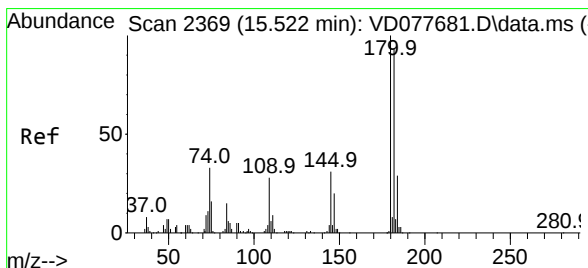
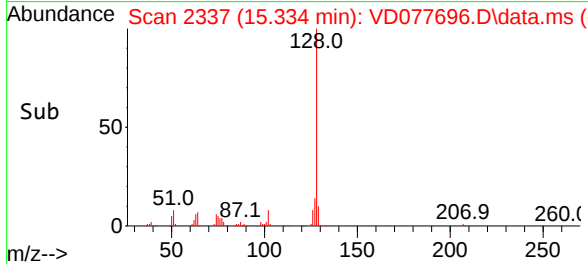
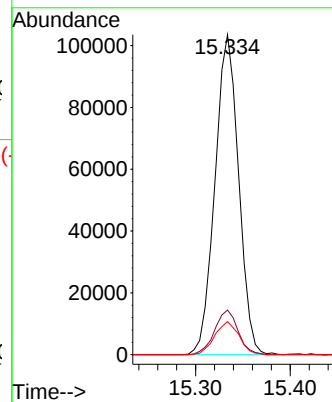
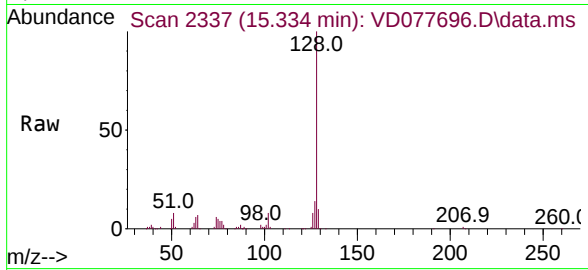




#71  
Naphthalene  
Concen: 22.086 ug/L  
RT: 15.334 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 179467  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.5 15.7  
129 10.6 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 23.003 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD077696.D  
Acq: 24 Nov 2023 17:09

Tgt Ion:180 Resp: 84568  
Ion Ratio Lower Upper  
180 100  
182 93.6 76.8 115.2  
145 31.2 26.0 39.0

