

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120524\  
 Data File : VD080104.D  
 Acq On : 05 Dec 2024 12:08  
 Operator : RP/MD  
 Sample : VSTD10054  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 00:47:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM120524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 06 00:46:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 283024   | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 280565   | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 150533   | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65   | 508771   | 100.445 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.793  | 69   | 411912   | 104.257 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65   | 178674   | 107.404 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 6.993  | 46   | 201649   | 218.795 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 811545   | 103.324 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 422227   | 99.566  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.204  | 84   | 1657403  | 99.673  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 520177   | 99.813  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 1596188  | 99.720  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 234206   | 103.388 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 176963   | 218.761 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 421705   | 94.250  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 549672   | 101.671 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 511575   | 107.821 | ug/L  | 98       |
| 3) Chloromethane              | 2.146  | 50   | 481126   | 108.325 | ug/L  | 95       |
| 5) Vinyl chloride             | 2.275  | 62   | 614469   | 106.226 | ug/L  | 98       |
| 6) Bromomethane               | 2.681  | 94   | 382047   | 132.095 | ug/L  | 95       |
| 8) Chloroethane               | 2.828  | 64   | 367521   | 111.244 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.169  | 101  | 723562   | 104.230 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101  | 414331   | 102.159 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 3.934  | 96   | 412844   | 113.481 | ug/L  | 95       |
| 13) Acetone                   | 4.028  | 43   | 280398   | 206.015 | ug/L  | 95       |
| 14) Carbon disulfide          | 4.263  | 76   | 1425276  | 106.246 | ug/L  | 98       |
| 15) Methyl Acetate            | 4.563  | 43   | 185212   | 108.525 | ug/L  | # 81     |
| 16) Methylene chloride        | 4.799  | 84   | 450818   | 105.325 | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96   | 451820   | 110.919 | ug/L  | 93       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 989729   | 119.622 | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.110  | 63   | 783284   | 107.031 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96   | 500306   | 112.768 | ug/L  | 99       |
| 22) 2-Butanone                | 7.081  | 43   | 333057   | 230.555 | ug/L  | 100      |
| 23) Bromochloromethane        | 7.428  | 128  | 216503   | 107.410 | ug/L  | 94       |
| 25) Chloroform                | 7.593  | 83   | 825216   | 103.161 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 504139   | 104.917 | ug/L  | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 707758   | 112.172 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 668976   | 102.106 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 591135   | 100.321 | ug/L  | 99       |
| 33) Benzene                   | 8.252  | 78   | 1860665  | 104.617 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 471623   | 108.084 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.275  | 83   | 761447   | 105.425 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 474666   | 100.083 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 596739   | 103.489 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 783679   | 112.553 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 559624   | 221.997 | ug/L  | 99       |
| 42) Toluene                   | 10.334 | 91   | 2033033  | 103.565 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 662237   | 108.262 | ug/L  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120524\  
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 Sample : VSTD10054  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 00:47:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM120524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 06 00:46:05 2024  
 Response via : Initial Calibration

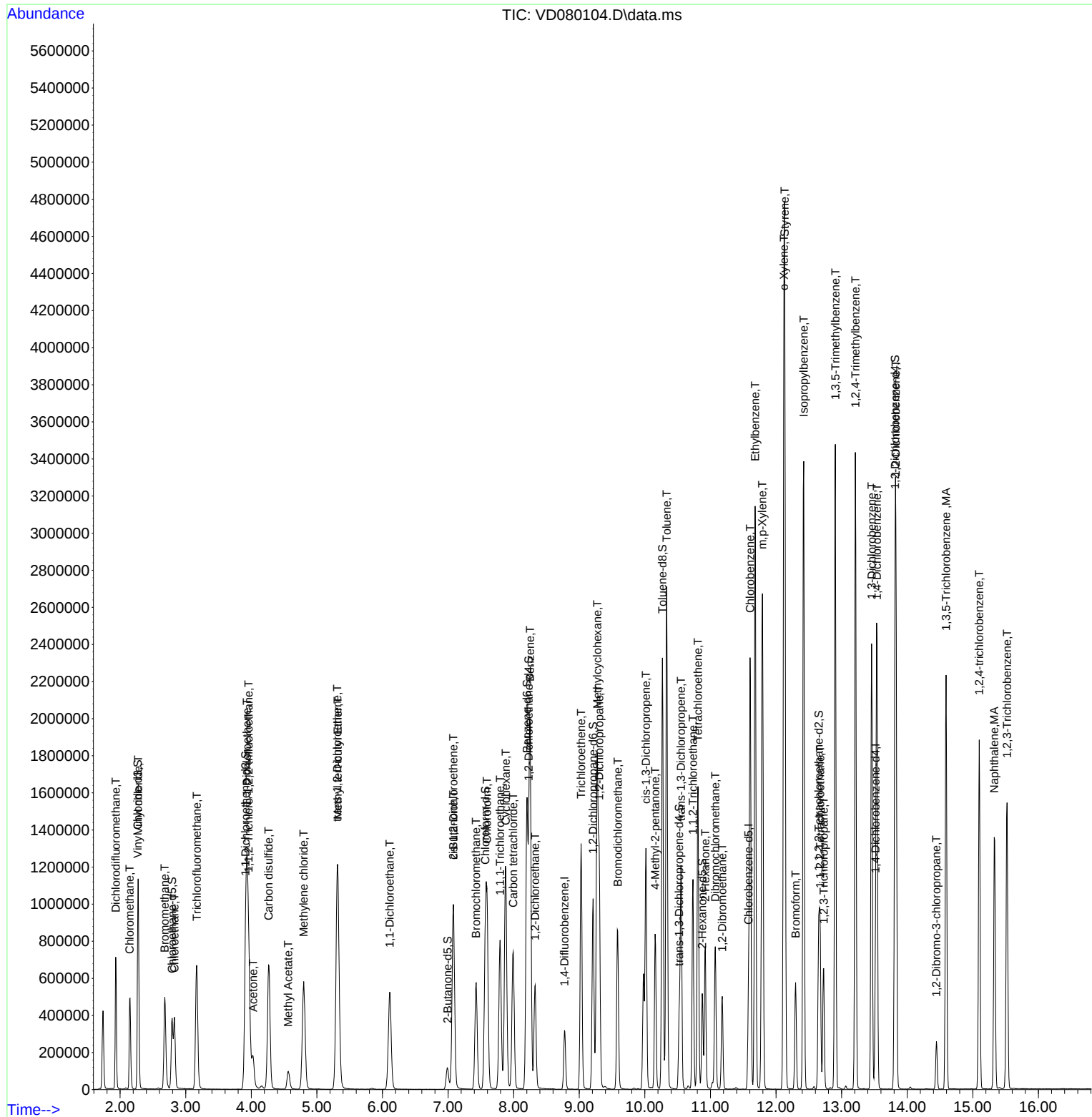
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 357958   | 102.716 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 375542   | 102.123 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 491216   | 215.357 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 410769   | 103.154 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 338457   | 101.921 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.604 | 112  | 1262567  | 105.355 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 2239234  | 106.386 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 853121   | 106.364 | ug/L  | 94       |
| 54) o-Xylene                  | 12.122 | 106  | 845699   | 109.750 | ug/L  | 98       |
| 55) Styrene                   | 12.134 | 104  | 1510403  | 109.686 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 426374   | 102.055 | ug/L  | 99       |
| 59) Bromoform                 | 12.298 | 173  | 262718   | 102.479 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.422 | 105  | 2225476  | 109.304 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 287845   | 101.171 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 1829167  | 113.071 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1808878  | 112.386 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 1008206  | 104.132 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 1022469  | 103.349 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 933966   | 106.372 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 65368    | 103.333 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 707920   | 106.621 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 604353   | 109.286 | ug/L  | 99       |
| 71) Naphthalene               | 15.328 | 128  | 1179164  | 119.269 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 550342   | 109.358 | ug/L  | 99       |

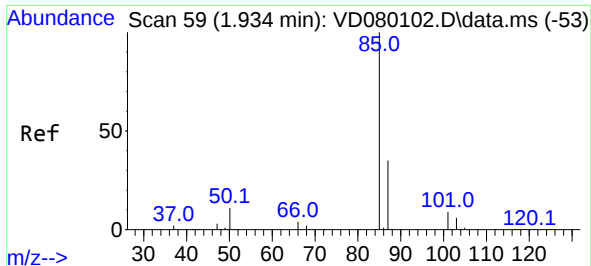
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QLast Update : Fri Dec 06 00:46:05 2024  
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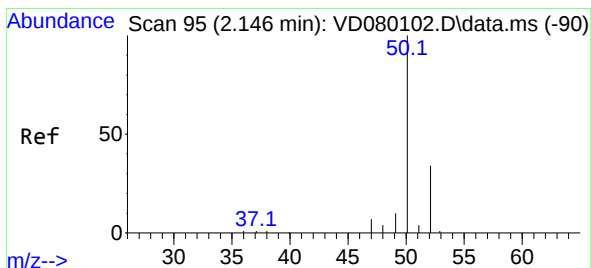
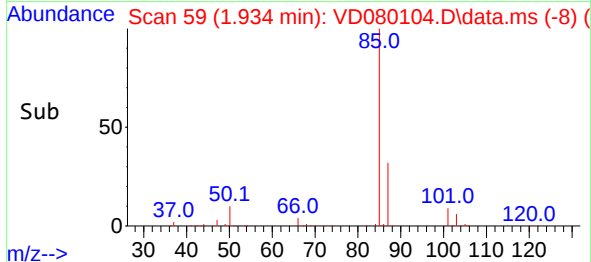
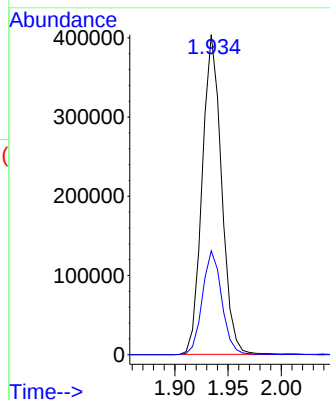
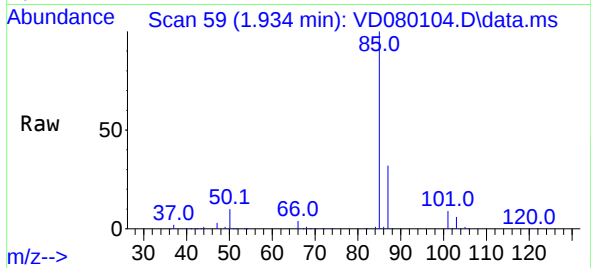




#2  
Dichlorodifluoromethane  
Concen: 107.821 ug/L  
RT: 1.934 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

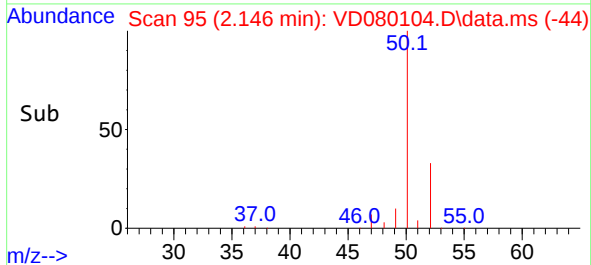
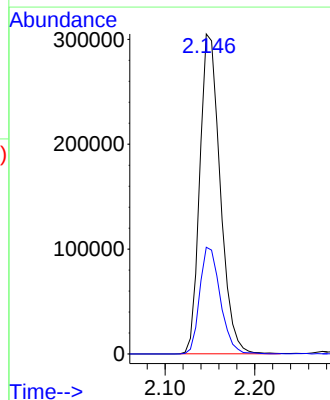
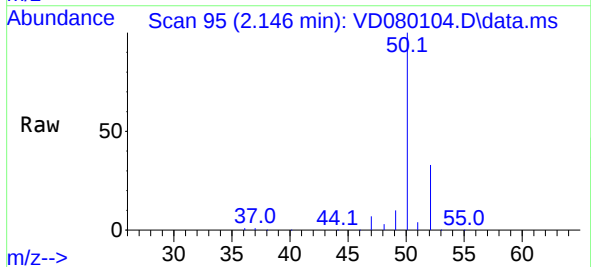
Instrument :  
MSVOA\_D  
ClientSampleId :

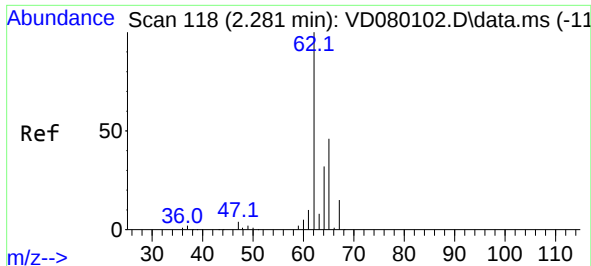
Tgt Ion: 85 Resp: 511575  
Ion Ratio Lower Upper  
85 100  
87 32.7 25.4 38.2



#3  
Chloromethane  
Concen: 108.325 ug/L  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 50 Resp: 481126  
Ion Ratio Lower Upper  
50 100  
52 33.3 21.6 40.0

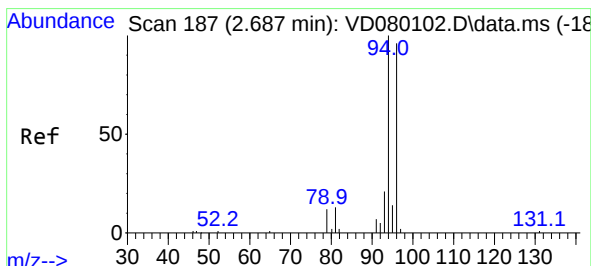
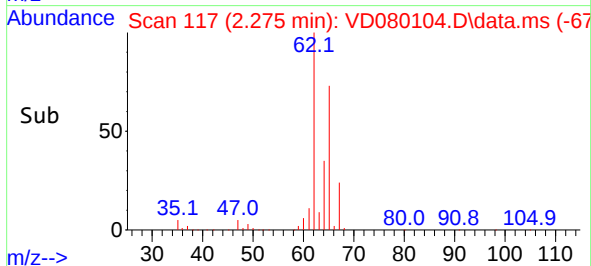
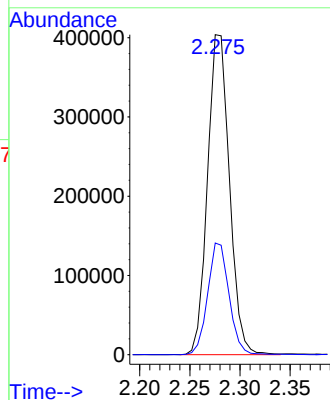
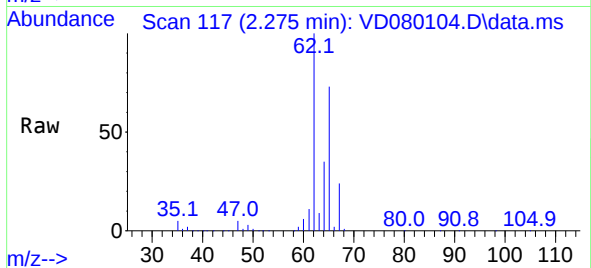




#5  
 Vinyl chloride  
 Concen: 106.226 ug/L  
 RT: 2.275 min Scan# 118  
 Delta R.T. -0.006 min  
 Lab File: VD080104.D  
 Acq: 05 Dec 2024 12:08

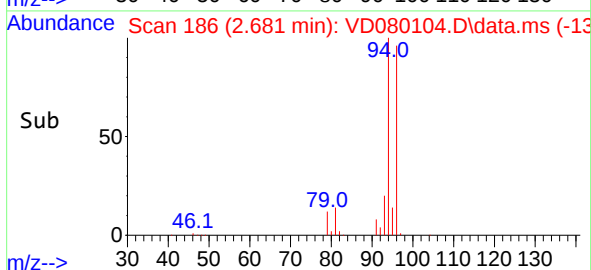
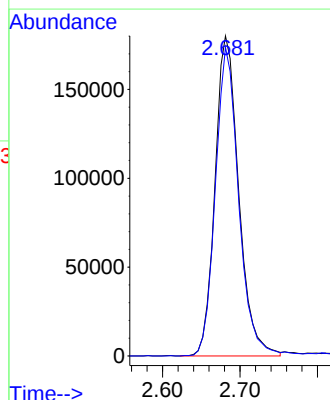
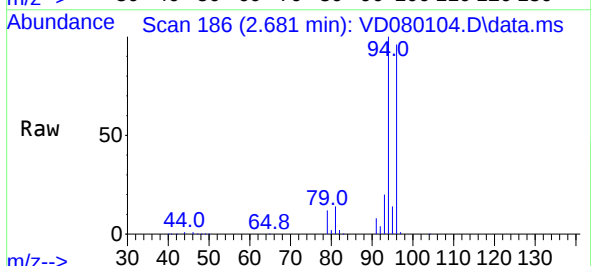
Instrument :  
 MSVOA\_D  
 ClientSampleId :

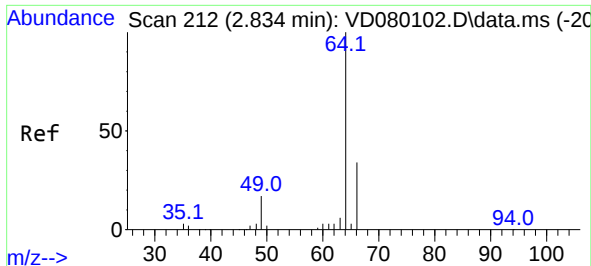
Tgt Ion: 62 Resp: 614469  
 Ion Ratio Lower Upper  
 62 100  
 64 34.9 25.1 46.7



#6  
 Bromomethane  
 Concen: 132.095 ug/L  
 RT: 2.681 min Scan# 186  
 Delta R.T. -0.006 min  
 Lab File: VD080104.D  
 Acq: 05 Dec 2024 12:08

Tgt Ion: 94 Resp: 382047  
 Ion Ratio Lower Upper  
 94 100  
 96 96.4 64.5 119.7

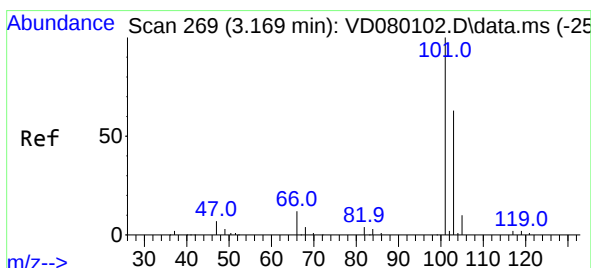
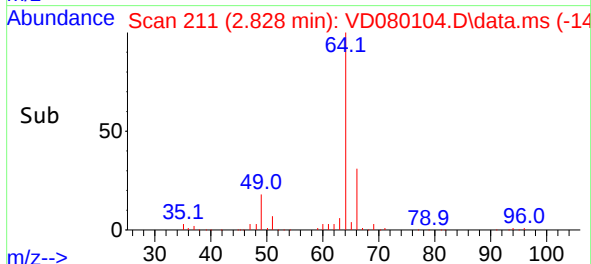
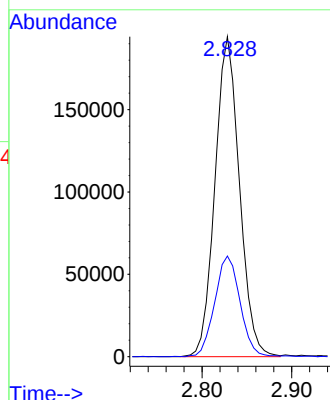
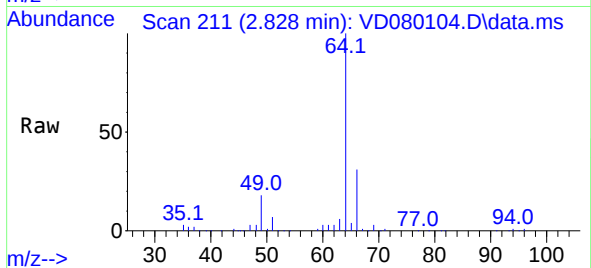




#8  
Chloroethane  
Concen: 111.244 ug/L  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

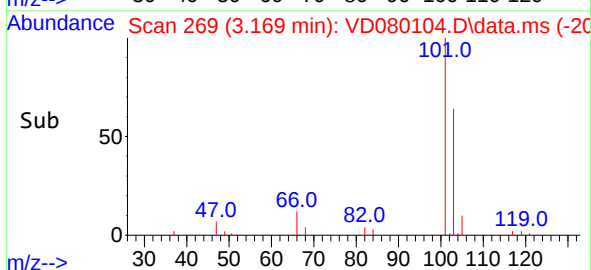
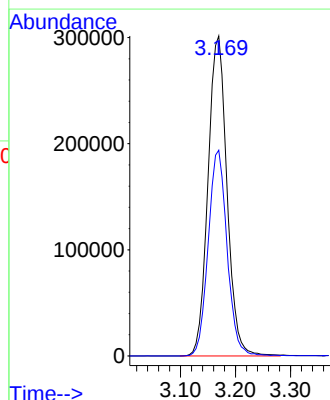
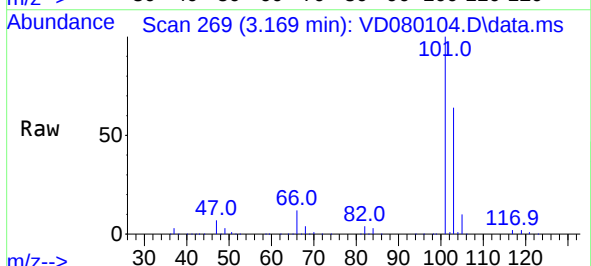
Instrument :  
MSVOA\_D  
ClientSampleId :

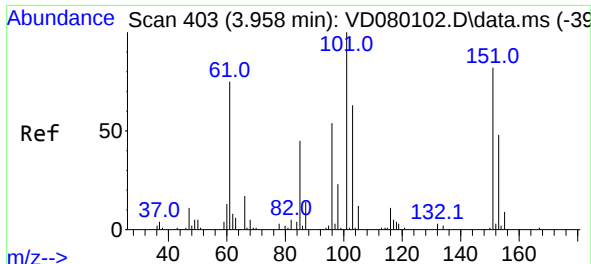
Tgt Ion: 64 Resp: 367521  
Ion Ratio Lower Upper  
64 100  
66 31.5 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 104.230 ug/L  
RT: 3.169 min Scan# 269  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:101 Resp: 723562  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.8 77.8

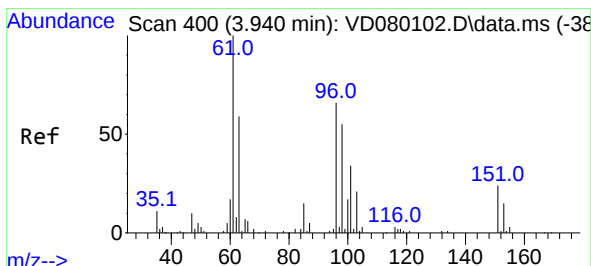
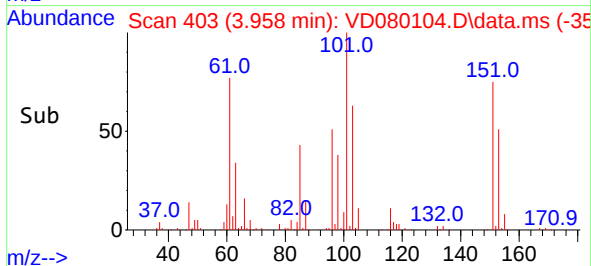
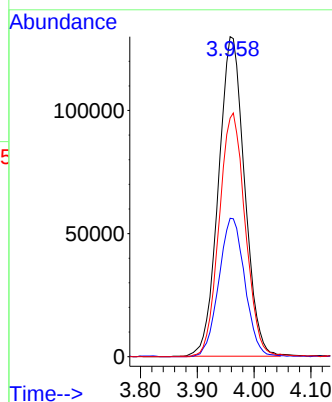
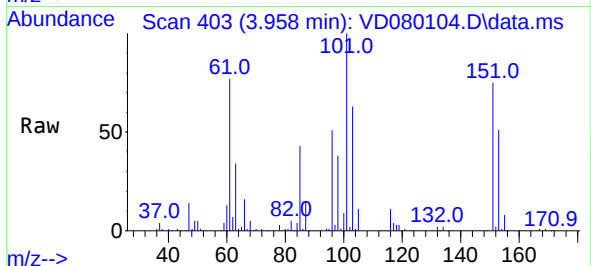




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 102.159 ug/L  
RT: 3.958 min Scan# 403  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

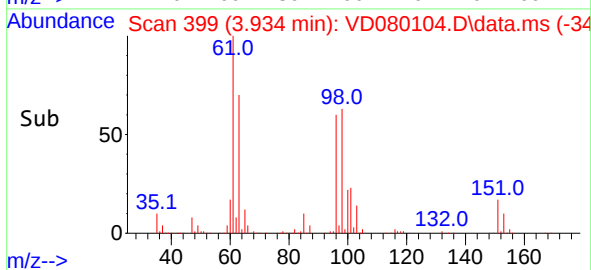
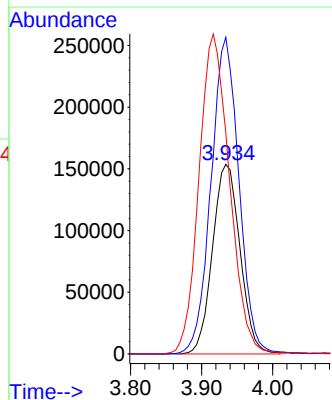
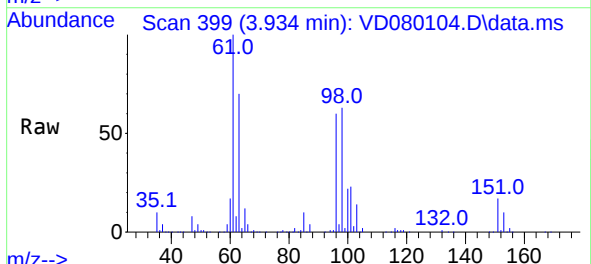
Instrument :  
MSVOA\_D  
ClientSampleId :

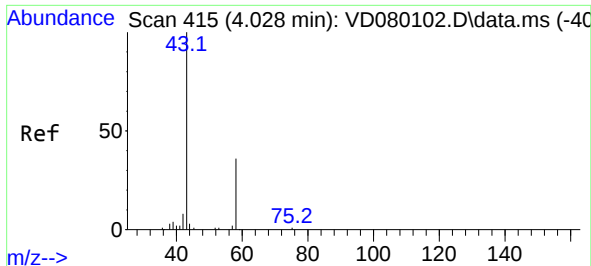
Tgt Ion:101 Resp: 414331  
Ion Ratio Lower Upper  
101 100  
85 43.3 34.9 52.3  
151 76.4 60.7 91.1



#12  
1,1-Dichloroethene  
Concen: 113.481 ug/L  
RT: 3.934 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

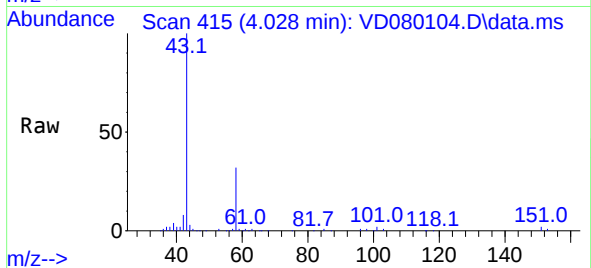
Tgt Ion: 96 Resp: 412844  
Ion Ratio Lower Upper  
96 100  
61 167.1 111.2 206.6  
63 116.8 78.9 146.5



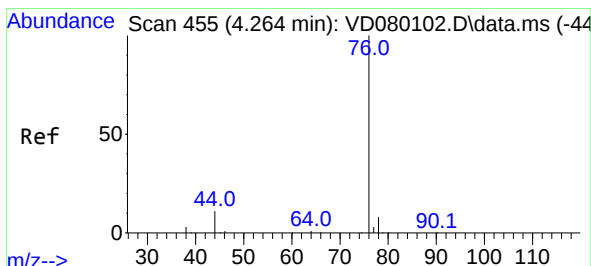
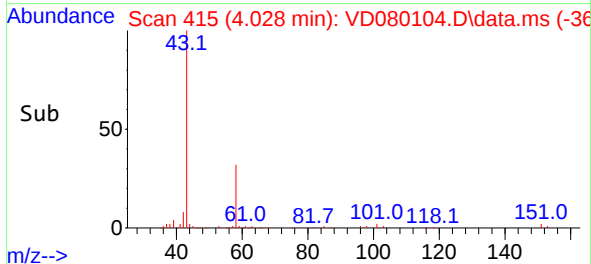
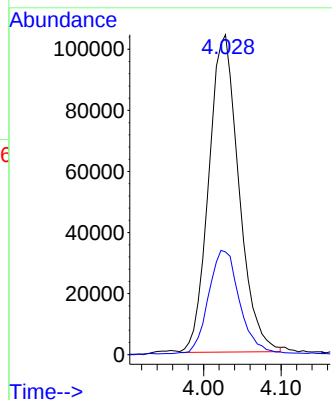


#13  
Acetone  
Concen: 206.015 ug/L  
RT: 4.028 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

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ClientSampleId :

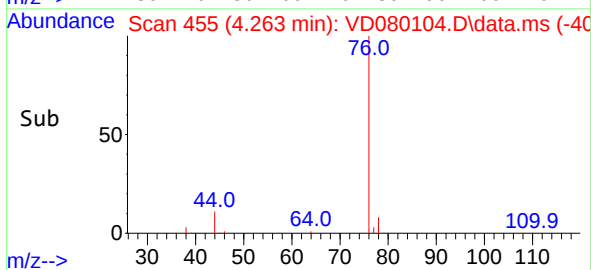
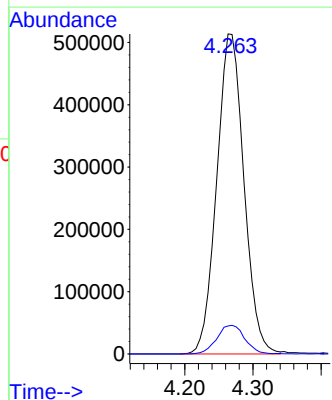
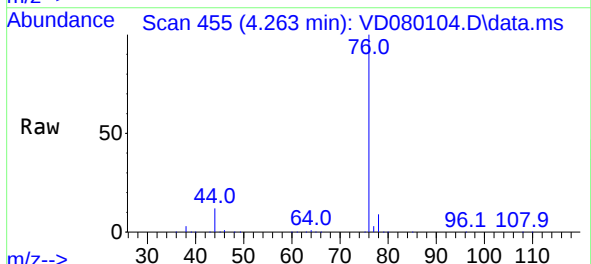


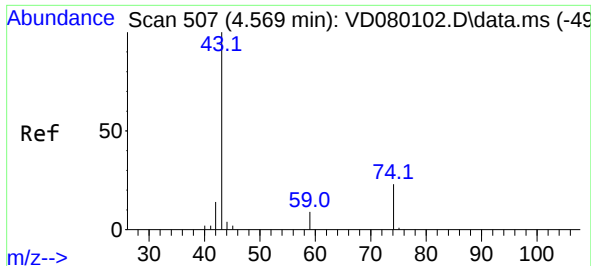
Tgt Ion: 43 Resp: 280398  
Ion Ratio Lower Upper  
43 100  
58 33.2 0.0 71.8



#14  
Carbon disulfide  
Concen: 106.246 ug/L  
RT: 4.263 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 76 Resp: 1425276  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.2

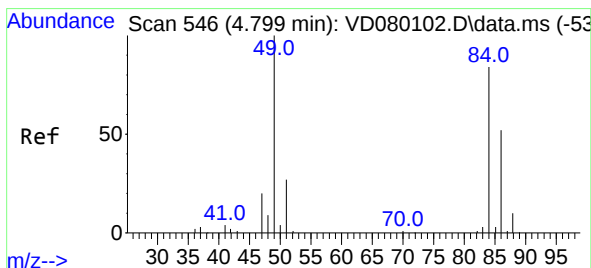
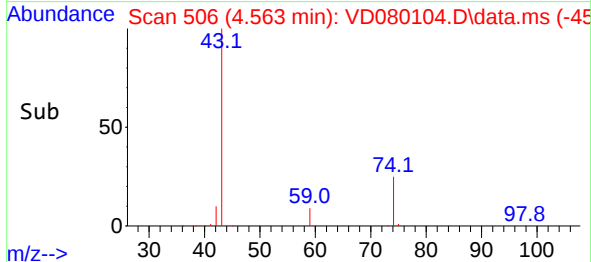
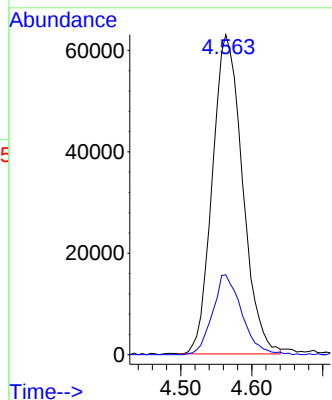
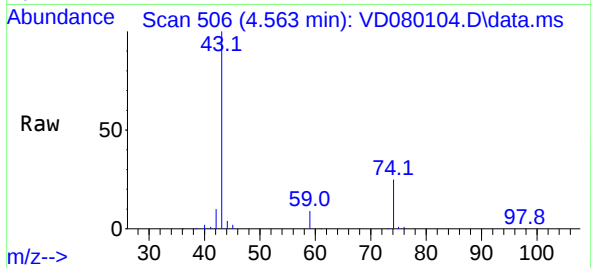




#15  
Methyl Acetate  
Concen: 108.525 ug/L  
RT: 4.563 min Scan# 507  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

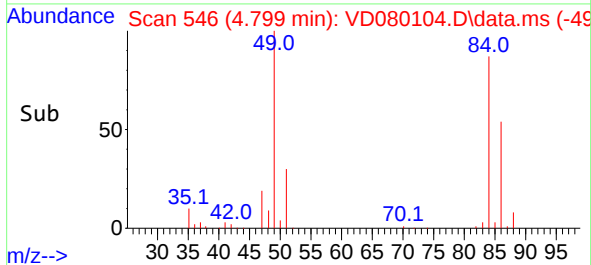
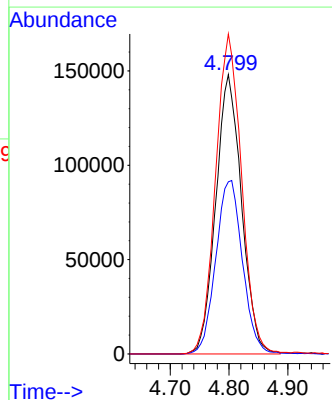
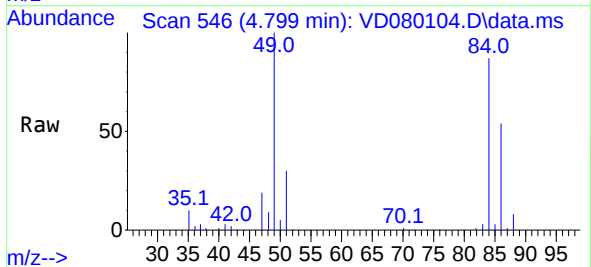
Instrument :  
MSVOA\_D  
ClientSampleId :

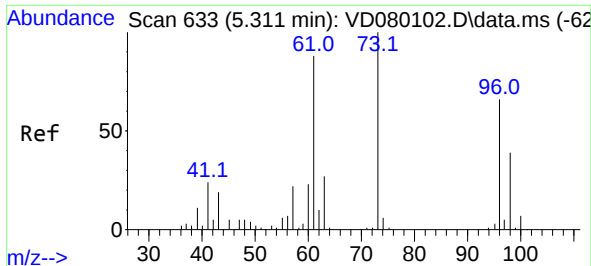
Tgt Ion: 43 Resp: 185212  
Ion Ratio Lower Upper  
43 100  
74 24.1 0.2 0.2#



#16  
Methylene chloride  
Concen: 105.325 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

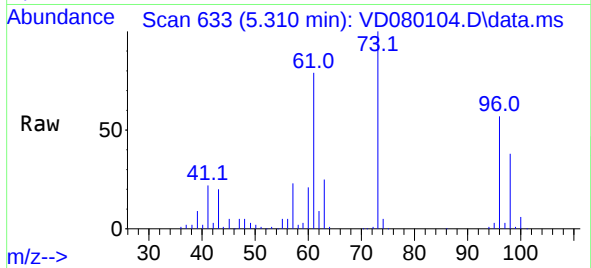
Tgt Ion: 84 Resp: 450818  
Ion Ratio Lower Upper  
84 100  
86 61.6 45.4 84.4  
49 114.5 77.3 143.7



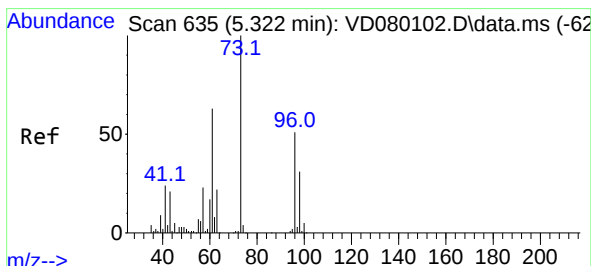
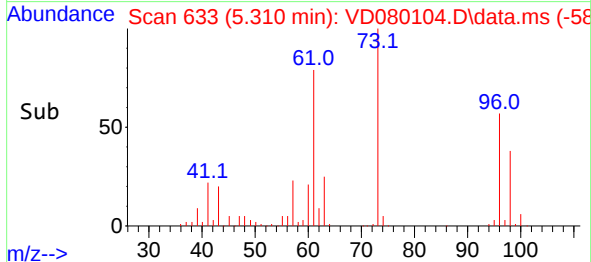
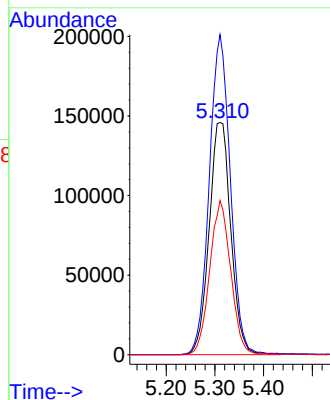


#17  
trans-1,2-Dichloroethene  
Concen: 110.919 ug/L  
RT: 5.310 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

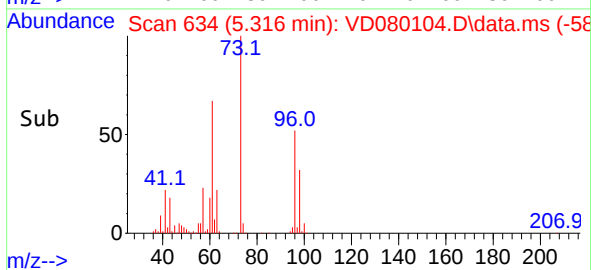
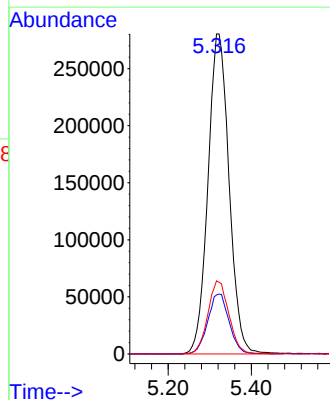
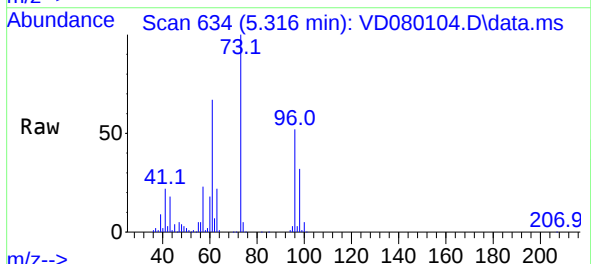


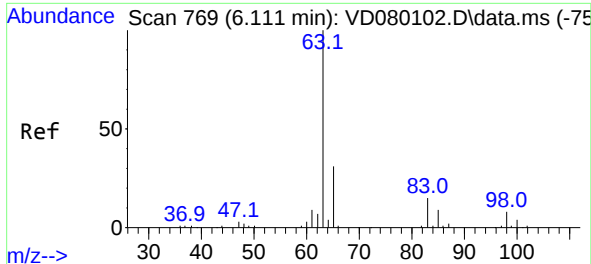
Tgt Ion: 96 Resp: 451820  
Ion Ratio Lower Upper  
96 100  
61 137.8 91.1 169.3  
98 66.4 41.6 77.2



#18  
Methyl tert-butyl Ether  
Concen: 119.622 ug/L  
RT: 5.316 min Scan# 634  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

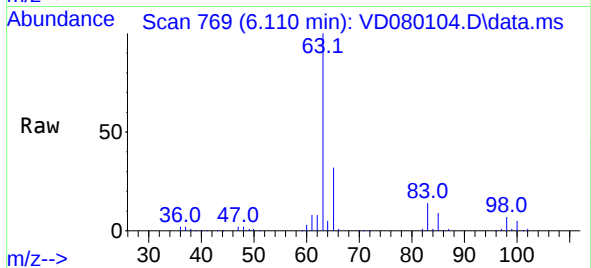
Tgt Ion: 73 Resp: 989729  
Ion Ratio Lower Upper  
73 100  
43 19.0 16.1 24.1  
57 22.6 18.5 27.7



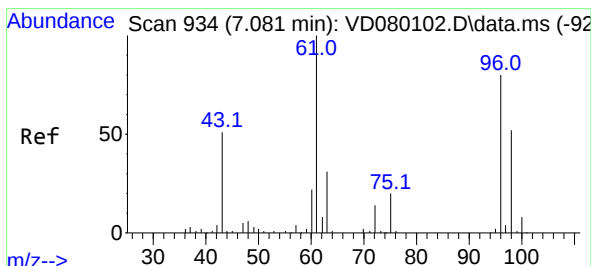
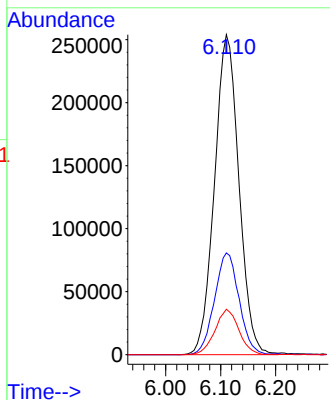
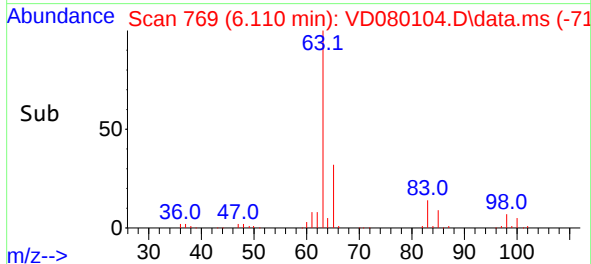


#19  
1,1-Dichloroethane  
Concen: 107.031 ug/L  
RT: 6.110 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

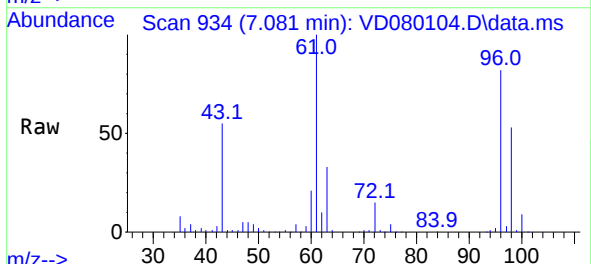
Instrument :  
MSVOA\_D  
ClientSampleId :



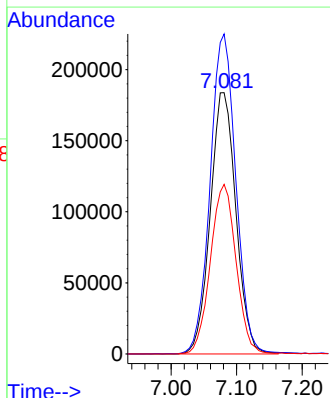
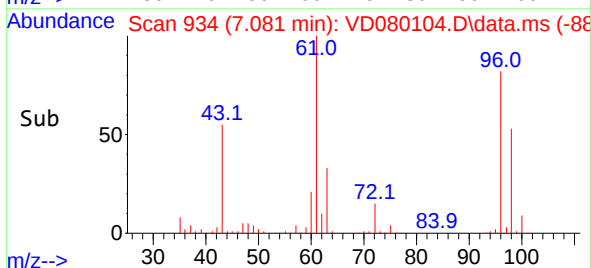
Tgt Ion: 63 Resp: 783284  
Ion Ratio Lower Upper  
63 100  
65 31.8 21.9 40.7  
83 14.2 9.0 16.6

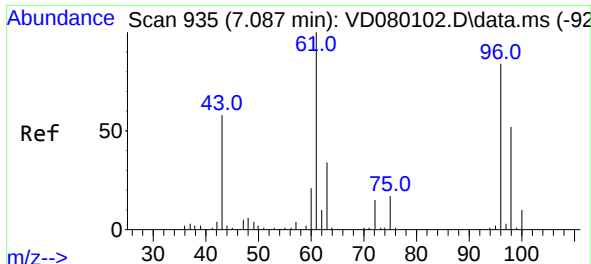


#20  
cis-1,2-Dichloroethene  
Concen: 112.768 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08



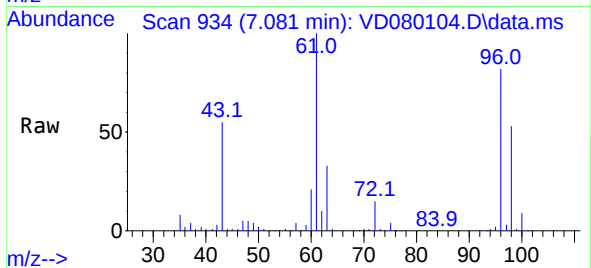
Tgt Ion: 96 Resp: 500306  
Ion Ratio Lower Upper  
96 100  
61 122.5 84.8 157.4  
98 64.9 44.4 82.5



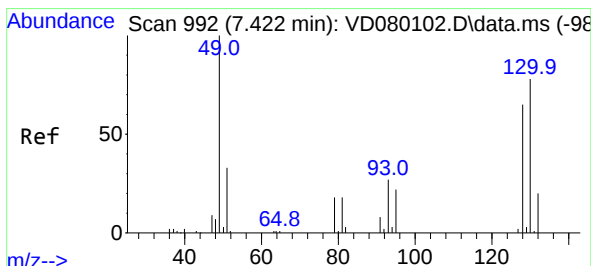
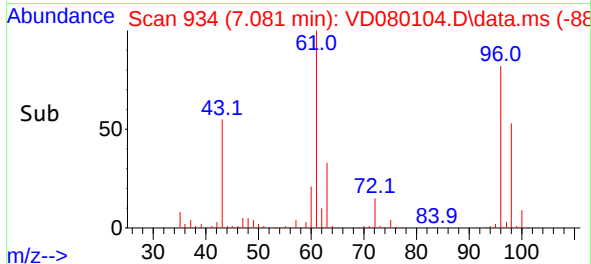
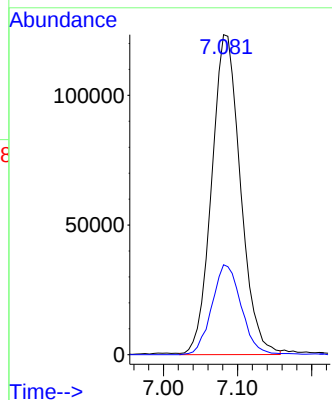


#22  
2-Butanone  
Concen: 230.555 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

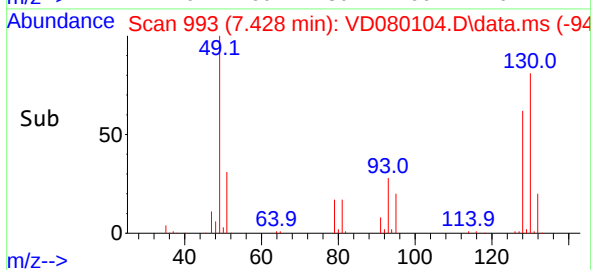
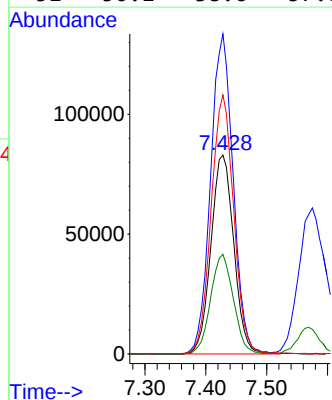
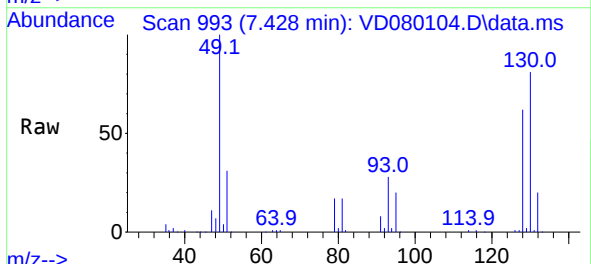


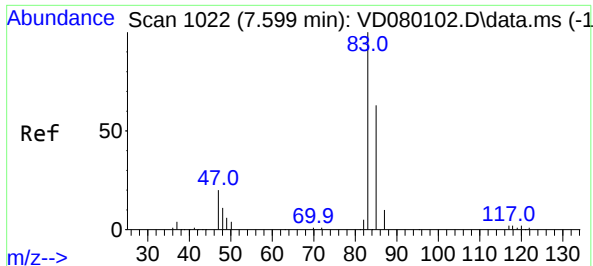
Tgt Ion: 43 Resp: 333057  
Ion Ratio Lower Upper  
43 100  
72 28.8 14.3 42.9



#23  
Bromochloromethane  
Concen: 107.410 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:128 Resp: 216503  
Ion Ratio Lower Upper  
128 100  
49 160.8 103.2 191.6  
130 130.2 90.6 168.2  
51 50.1 38.6 57.8





#25

Chloroform

Concen: 103.161 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD080104.D

Acq: 05 Dec 2024 12:08

Instrument :

MSVOA\_D

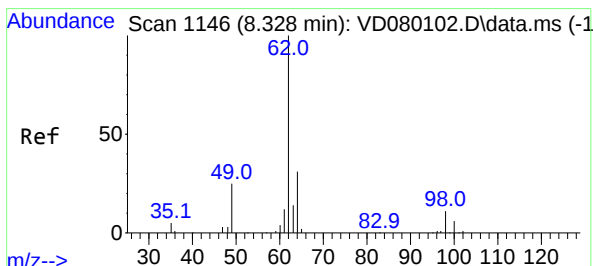
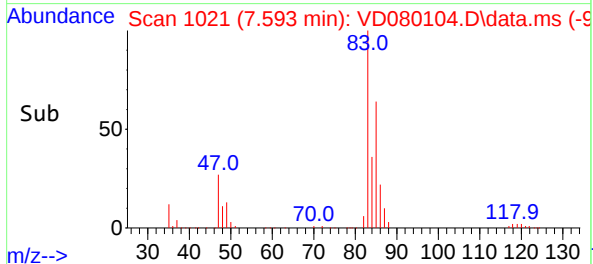
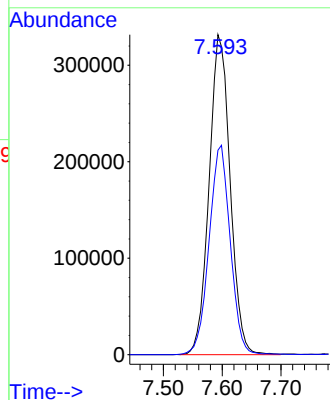
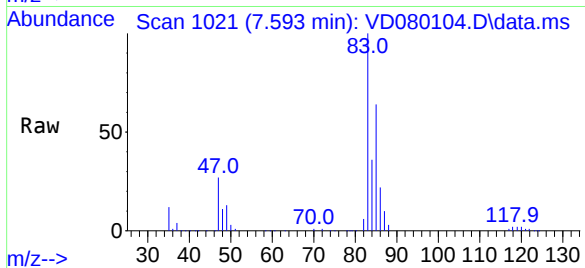
ClientSampleId :

Tgt Ion: 83 Resp: 825216

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 104.917 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD080104.D

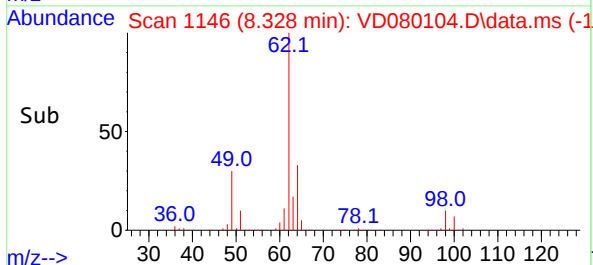
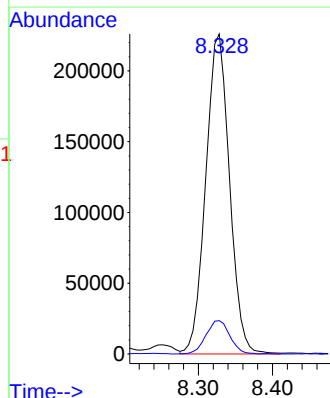
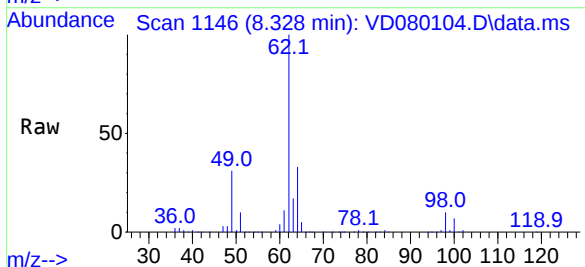
Acq: 05 Dec 2024 12:08

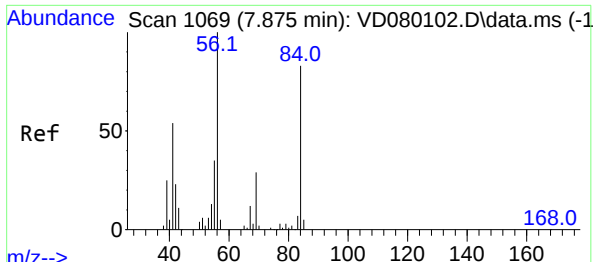
Tgt Ion: 62 Resp: 504139

Ion Ratio Lower Upper

62 100

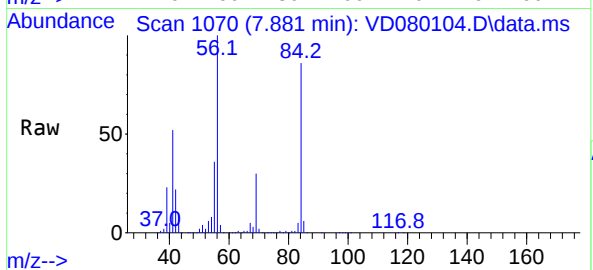
98 10.4 7.5 11.3



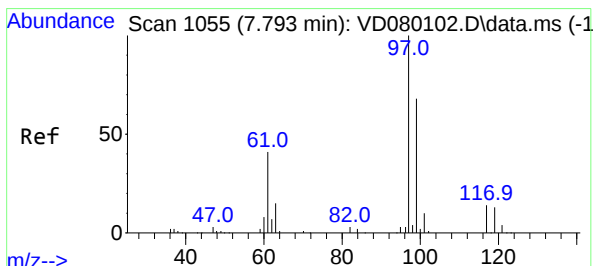
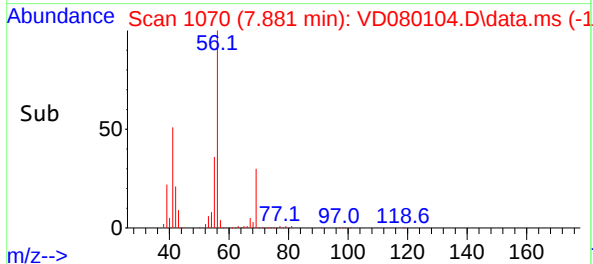
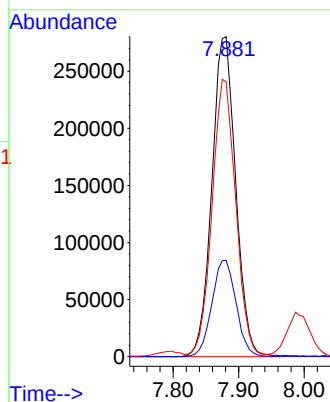


#29  
Cyclohexane  
Concen: 112.172 ug/L  
RT: 7.881 min Scan# 1070  
Delta R.T. 0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

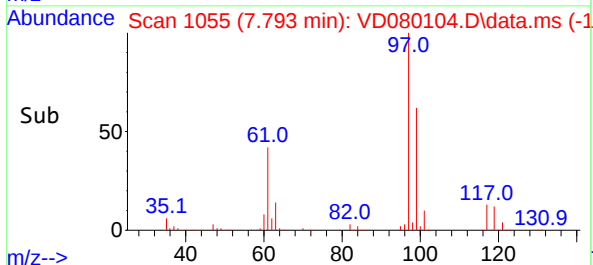
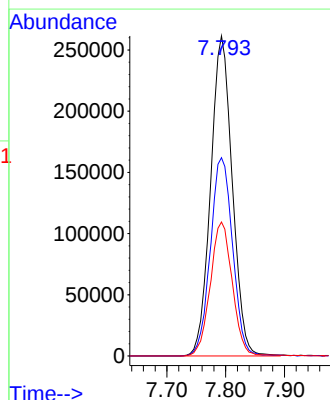
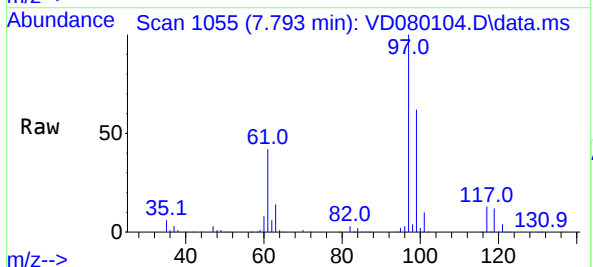


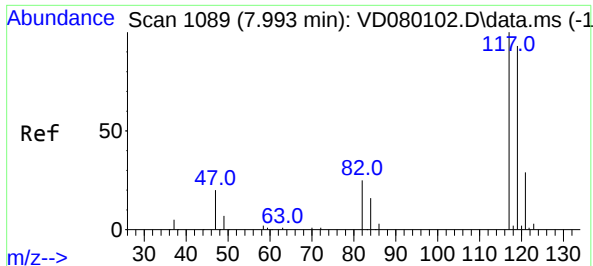
Tgt Ion: 56 Resp: 707758  
Ion Ratio Lower Upper  
56 100  
69 30.6 25.6 38.4  
84 86.0 71.0 106.6



#30  
1,1,1-Trichloroethane  
Concen: 102.106 ug/L  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 97 Resp: 668976  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.5 77.3  
61 42.3 34.3 51.5

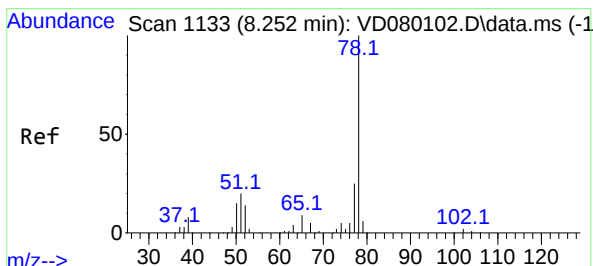
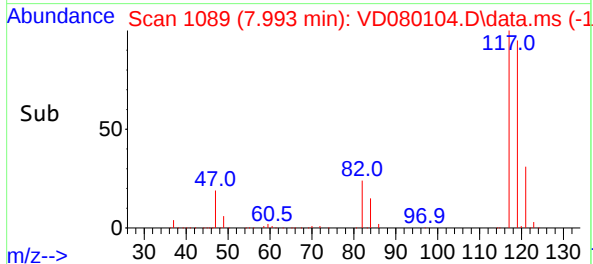
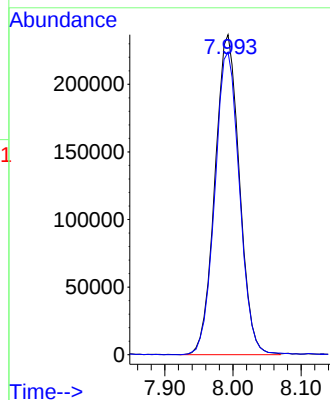
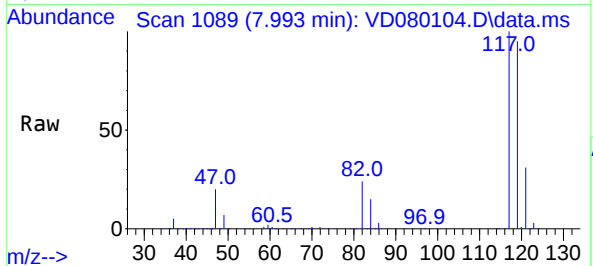




#31  
Carbon tetrachloride  
Concen: 100.321 ug/L  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

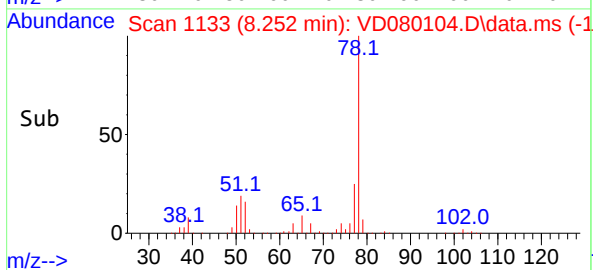
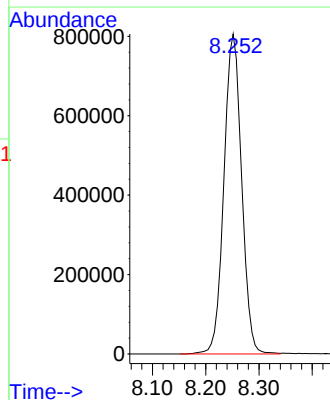
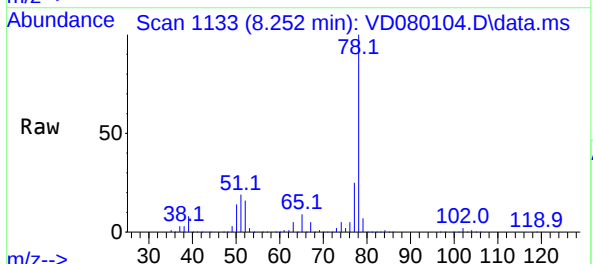
Instrument :  
MSVOA\_D  
ClientSampleId :

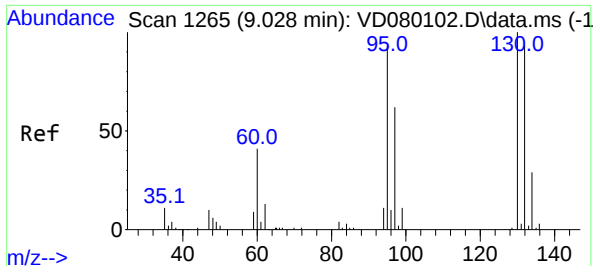
Tgt Ion:117 Resp: 591135  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.8 115.2



#33  
Benzene  
Concen: 104.617 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

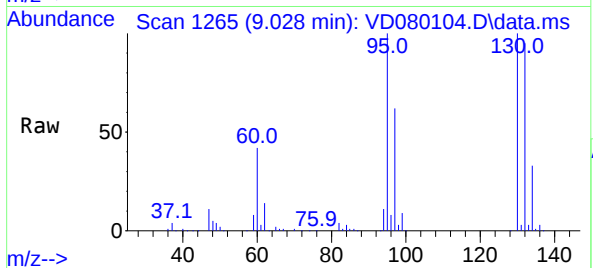
Tgt Ion: 78 Resp: 1860665



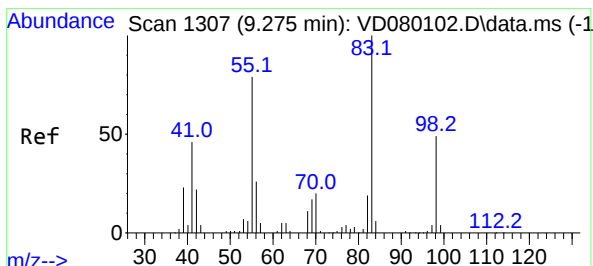
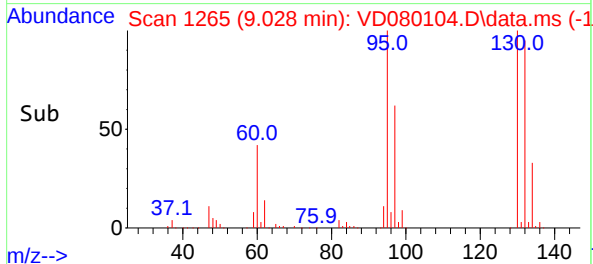
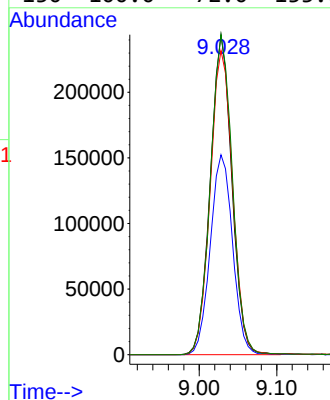


#34  
Trichloroethene  
Concen: 108.084 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

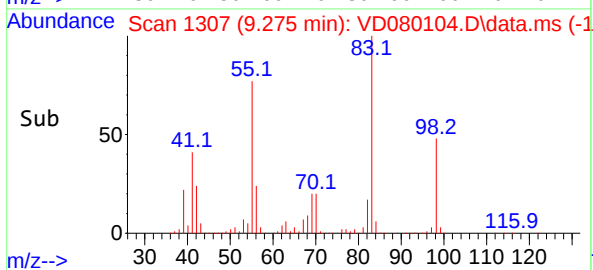
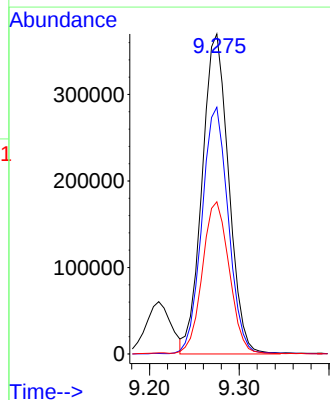
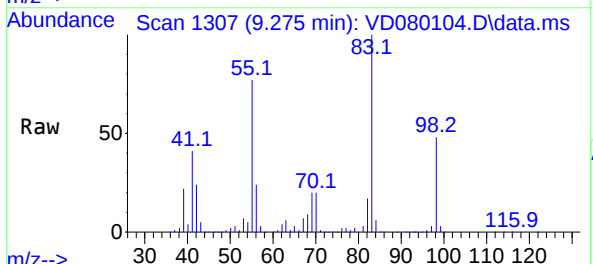


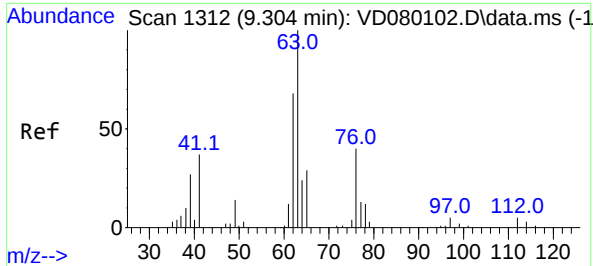
Tgt Ion: 95 Resp: 471623  
Ion Ratio Lower Upper  
95 100  
97 62.5 47.7 88.5  
132 95.1 72.8 135.2  
130 100.0 72.0 133.6



#35  
Methylcyclohexane  
Concen: 105.425 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 83 Resp: 761447  
Ion Ratio Lower Upper  
83 100  
55 76.7 61.2 91.8  
98 48.2 38.2 57.2

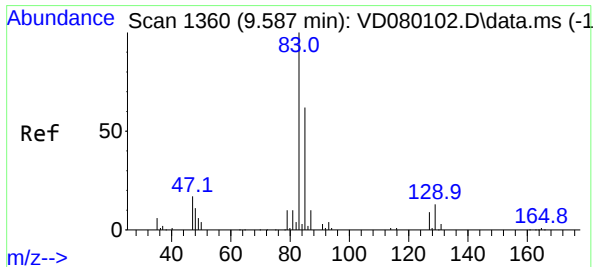
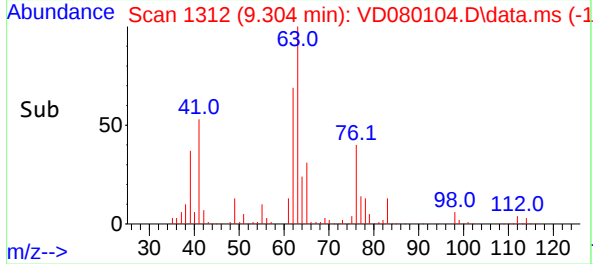
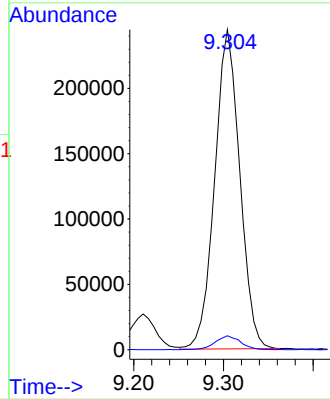
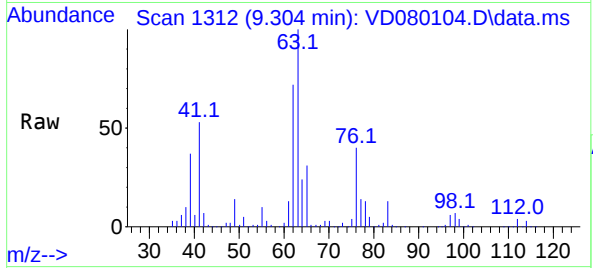




#37  
1,2-Dichloropropane  
Concen: 100.083 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

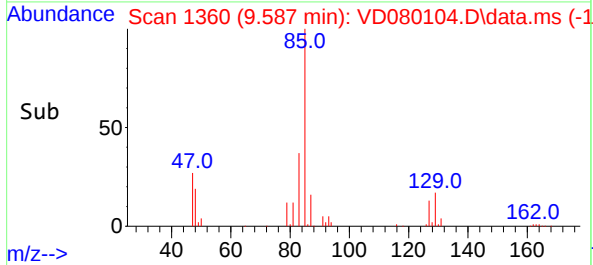
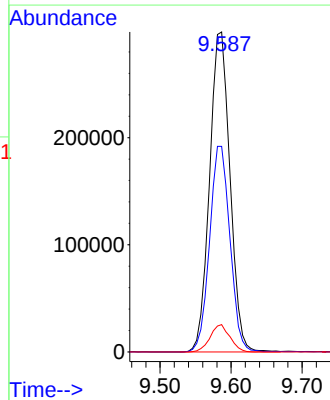
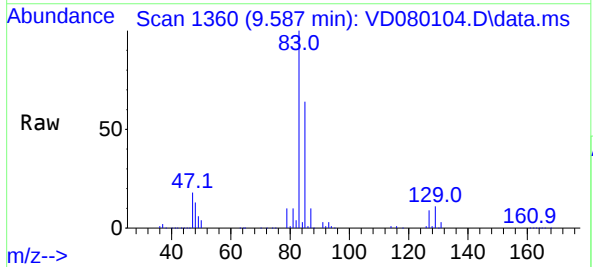
Instrument :  
MSVOA\_D  
ClientSampleId :

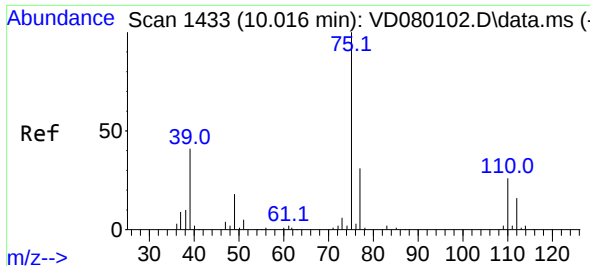
Tgt Ion: 63 Resp: 474666  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.8 5.6



#38  
Bromodichloromethane  
Concen: 103.489 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

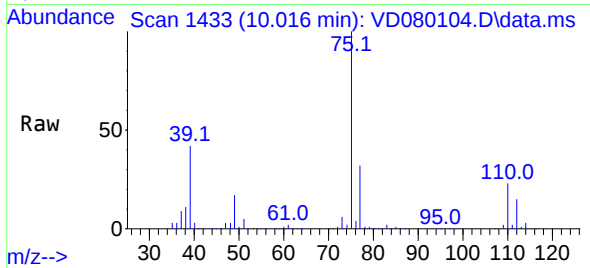
Tgt Ion: 83 Resp: 596739  
Ion Ratio Lower Upper  
83 100  
85 64.2 46.0 85.4  
127 8.6 6.7 10.1



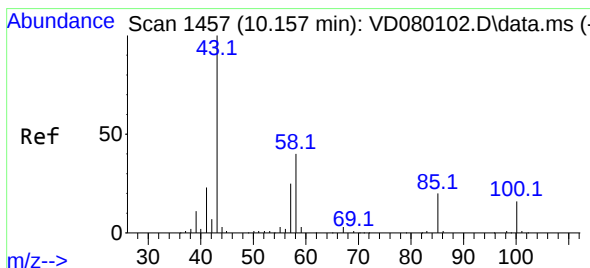
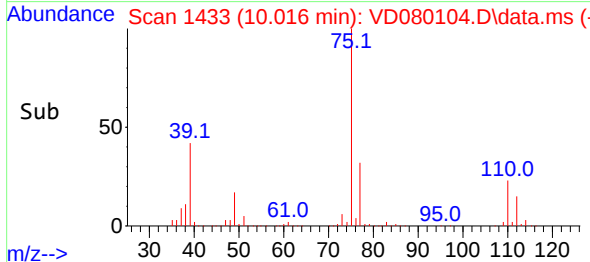
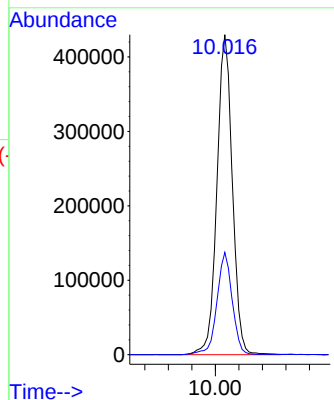


#39  
cis-1,3-Dichloropropene  
Concen: 112.553 ug/L  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

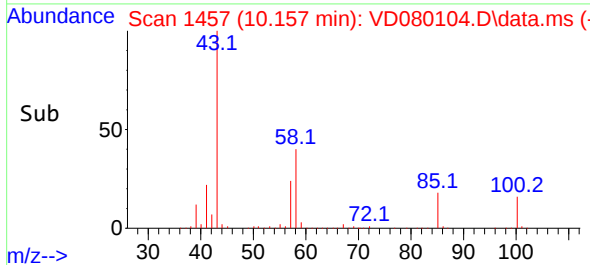
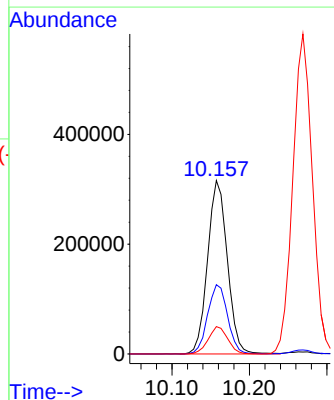
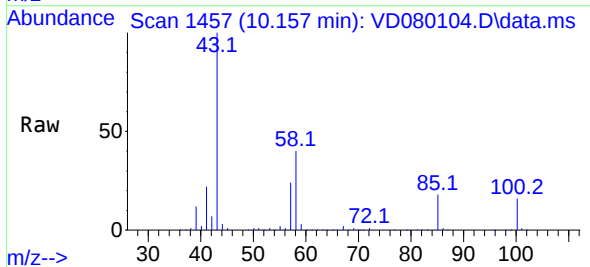


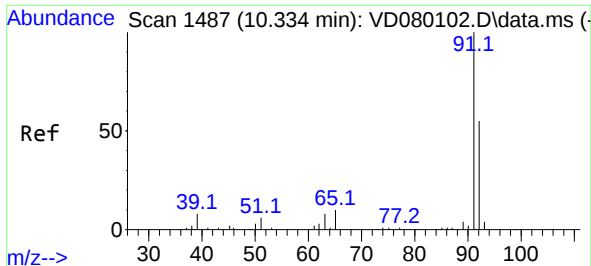
Tgt Ion: 75 Resp: 783679  
Ion Ratio Lower Upper  
75 100  
77 32.0 22.5 41.9



#40  
4-Methyl-2-pentanone  
Concen: 221.997 ug/L  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 43 Resp: 559624  
Ion Ratio Lower Upper  
43 100  
58 40.3 31.5 47.3  
100 15.6 12.7 19.1

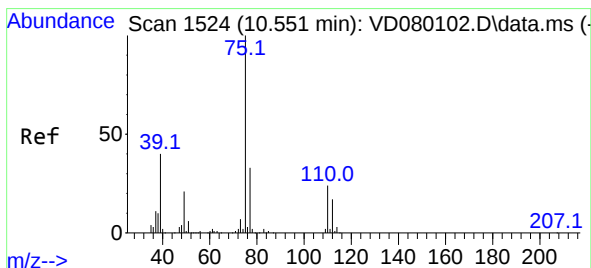
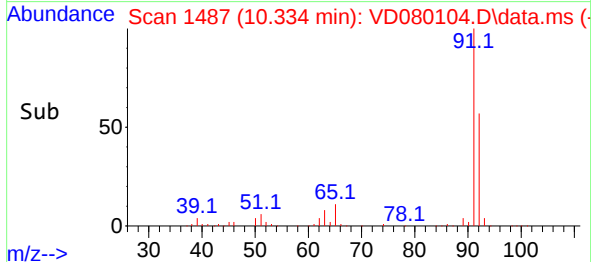
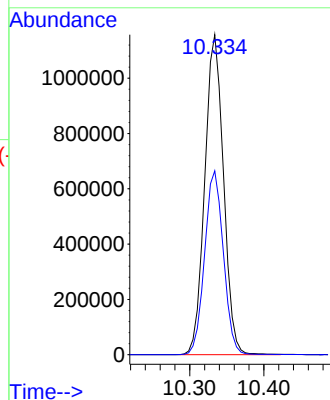
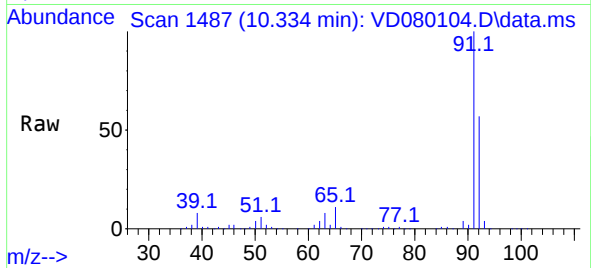




#42  
Toluene  
Concen: 103.565 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

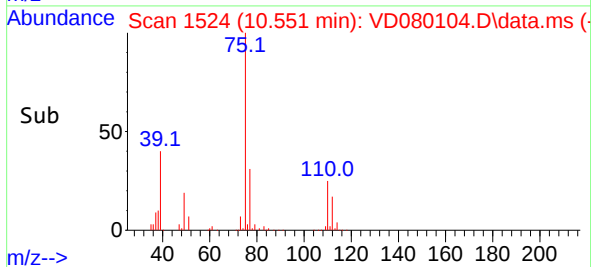
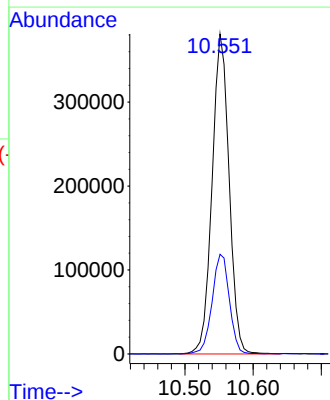
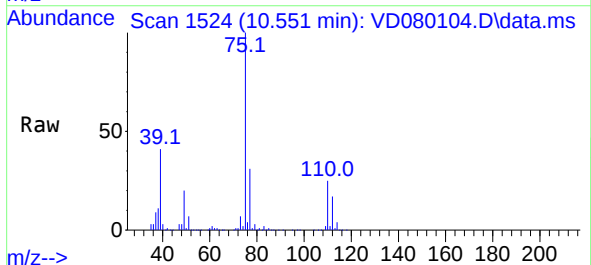
Instrument :  
MSVOA\_D  
ClientSampleId :

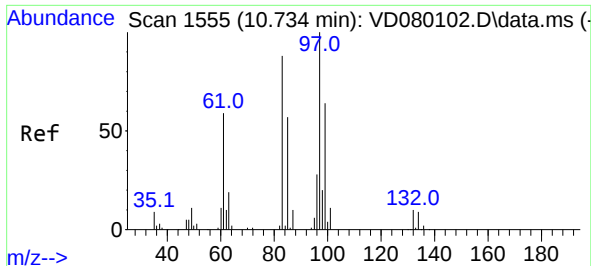
Tgt Ion: 91 Resp: 2033033  
Ion Ratio Lower Upper  
91 100  
92 57.5 39.4 73.2



#44  
trans-1,3-Dichloropropene  
Concen: 108.262 ug/L  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

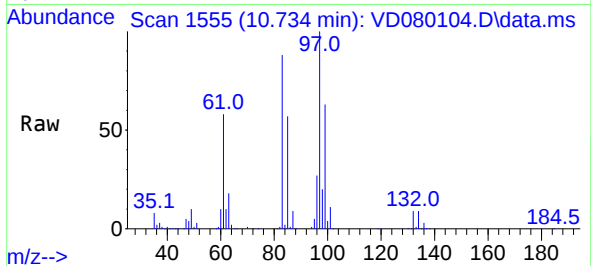
Tgt Ion: 75 Resp: 662237  
Ion Ratio Lower Upper  
75 100  
77 31.1 21.0 39.0





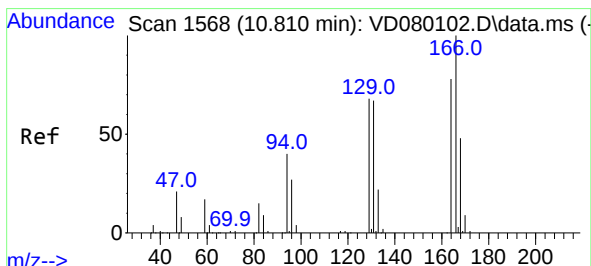
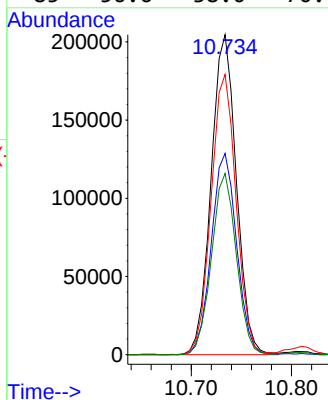
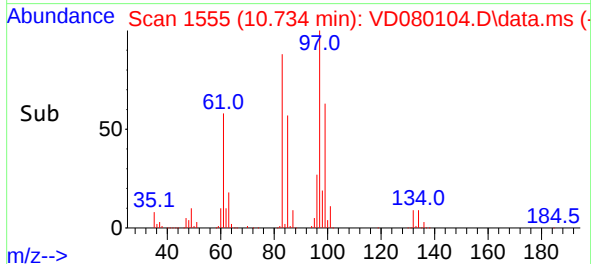
#45  
1,1,2-Trichloroethane  
Concen: 102.716 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

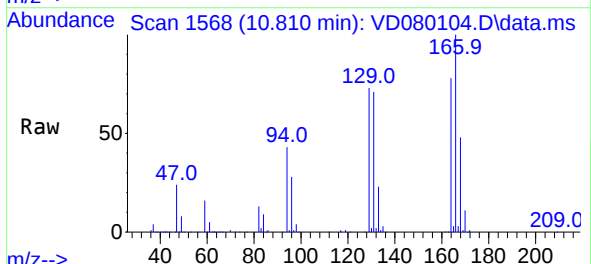


Tgt Ion: 97 Resp: 357958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.9  | 45.2  | 84.0  |
| 83  | 87.6  | 61.5  | 114.3 |
| 85  | 56.6  | 38.0  | 70.6  |

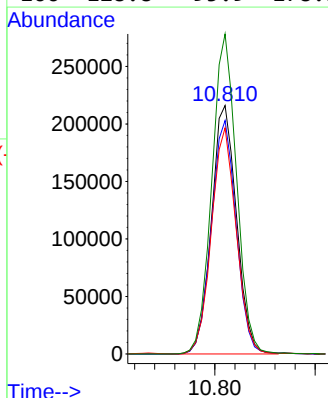
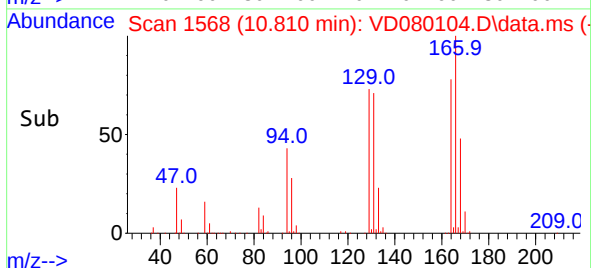


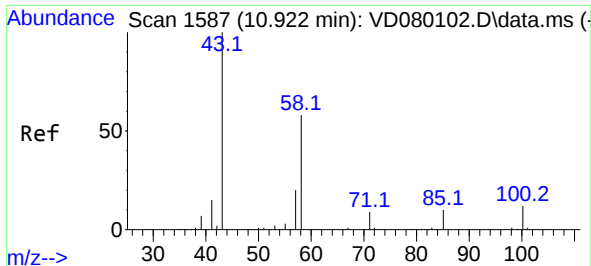
#46  
Tetrachloroethene  
Concen: 102.123 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08



Tgt Ion: 164 Resp: 375542

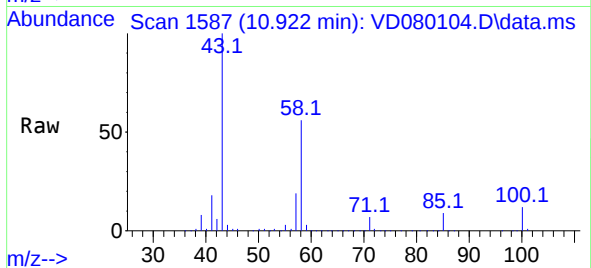
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 94.0  | 69.1  | 128.3 |
| 131 | 91.0  | 65.4  | 121.4 |
| 166 | 128.8 | 95.9  | 178.1 |



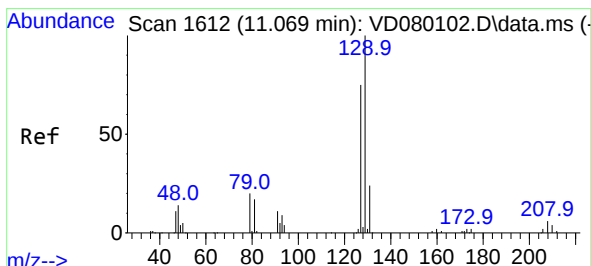
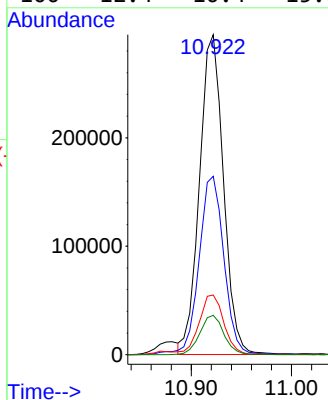
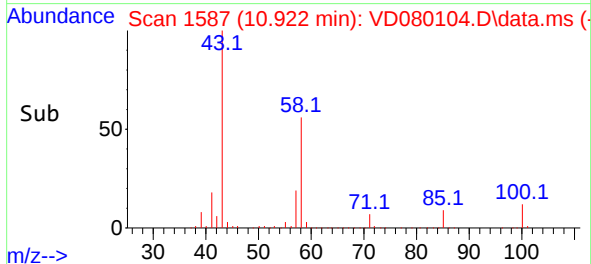


#48  
2-Hexanone  
Concen: 215.357 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

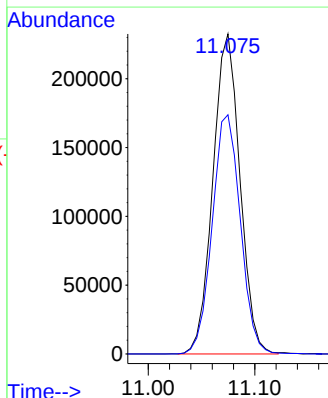
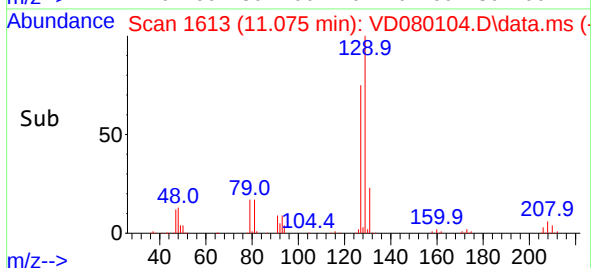
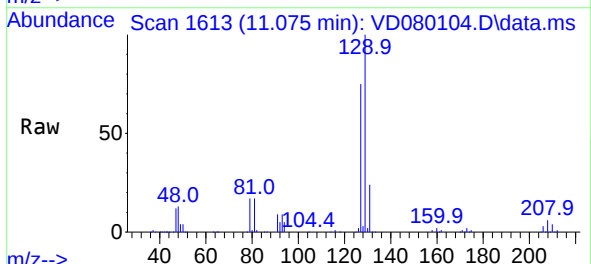


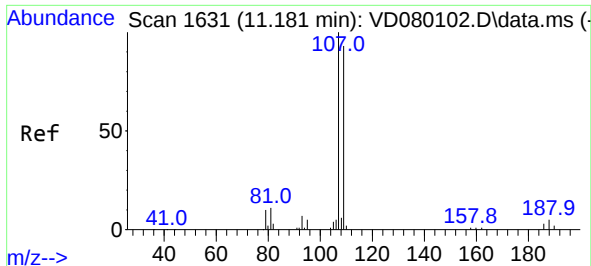
Tgt Ion: 43 Resp: 491216  
Ion Ratio Lower Upper  
43 100  
58 58.0 45.9 68.9  
57 19.2 15.2 22.8  
100 12.4 10.4 15.6



#49  
Dibromochloromethane  
Concen: 103.154 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

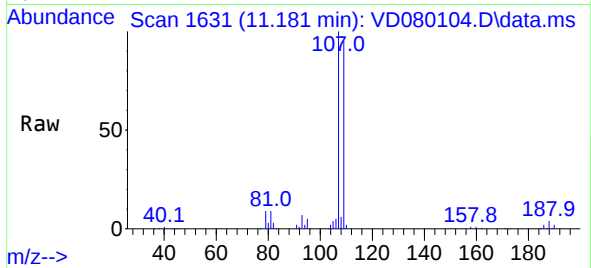
Tgt Ion:129 Resp: 410769  
Ion Ratio Lower Upper  
129 100  
127 74.7 54.9 102.1



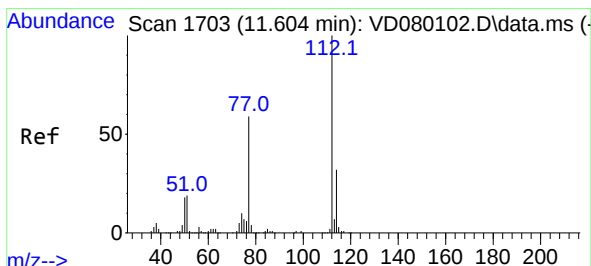
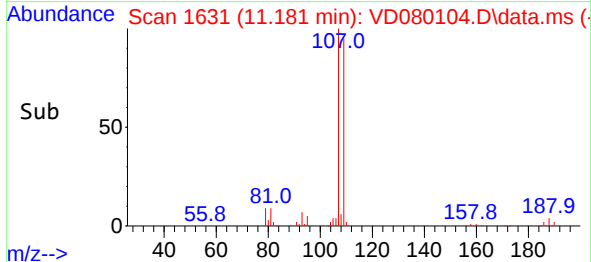
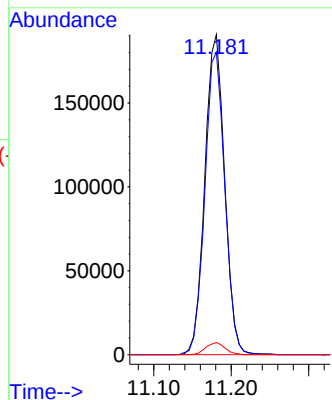


#50  
1,2-Dibromoethane  
Concen: 101.921 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

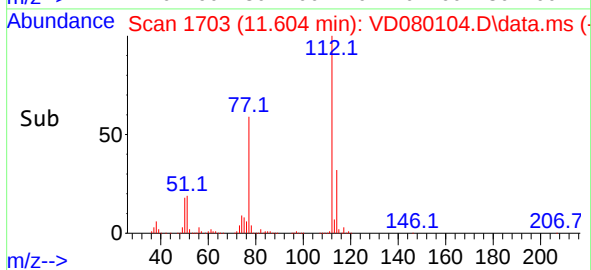
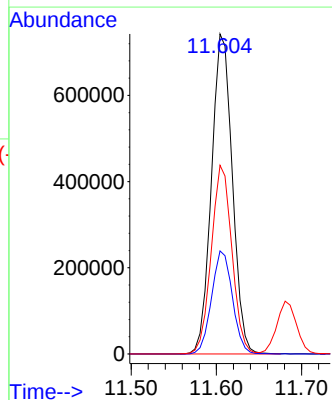
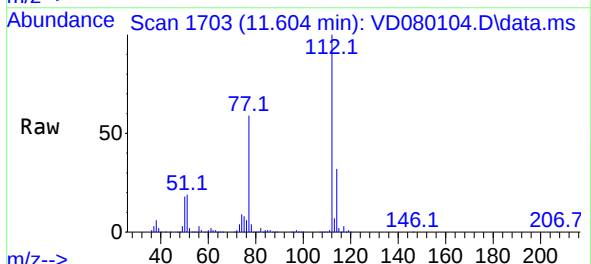


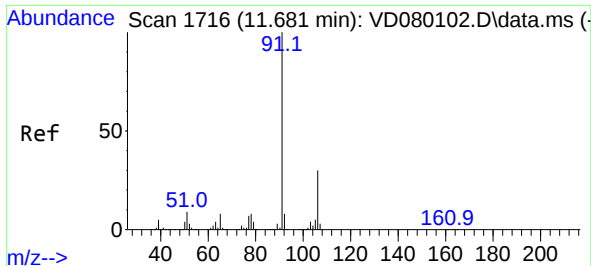
Tgt Ion:107 Resp: 338457  
Ion Ratio Lower Upper  
107 100  
109 94.5 66.6 123.8  
188 3.8 2.8 4.2



#51  
Chlorobenzene  
Concen: 105.355 ug/L  
RT: 11.604 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:112 Resp: 1262567  
Ion Ratio Lower Upper  
112 100  
114 32.2 21.8 40.4  
77 59.0 49.1 73.7

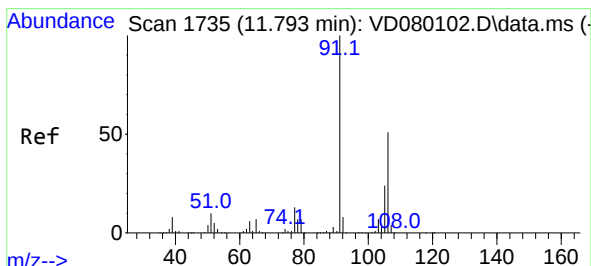
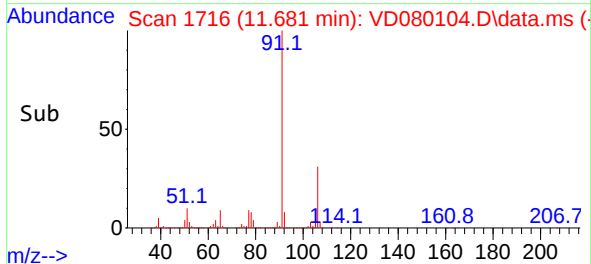
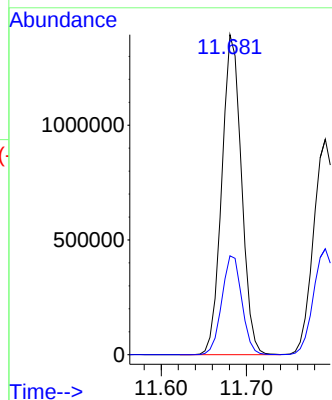
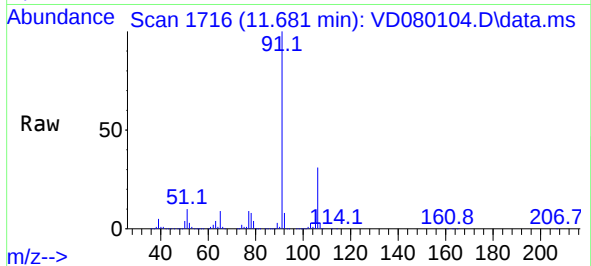




#52  
Ethylbenzene  
Concen: 106.386 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

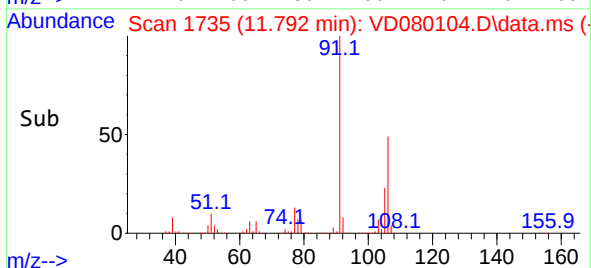
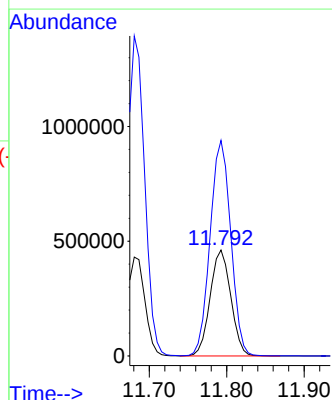
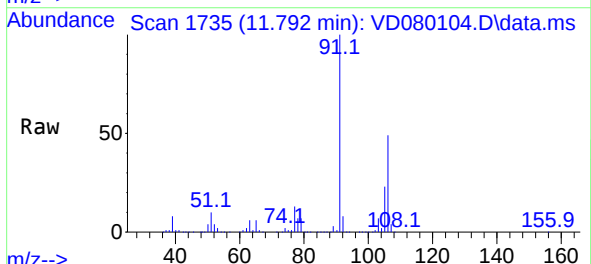
Instrument :  
MSVOA\_D  
ClientSampleId :

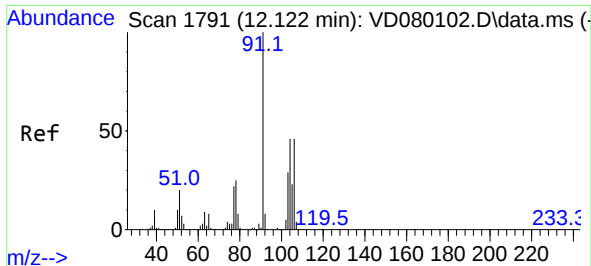
Tgt Ion: 91 Resp: 2239234  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.2 39.4



#53  
m,p-Xylene  
Concen: 106.364 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:106 Resp: 853121  
Ion Ratio Lower Upper  
106 100  
91 203.5 149.3 277.3

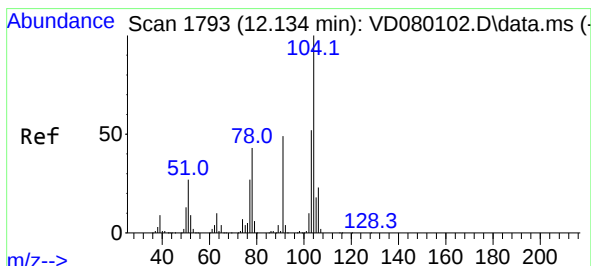
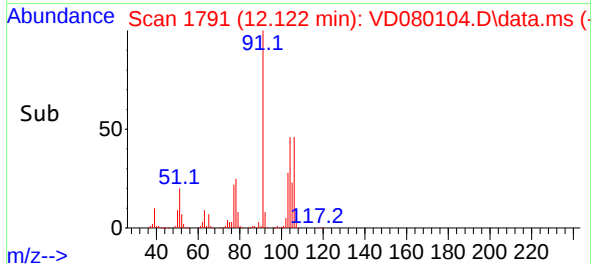
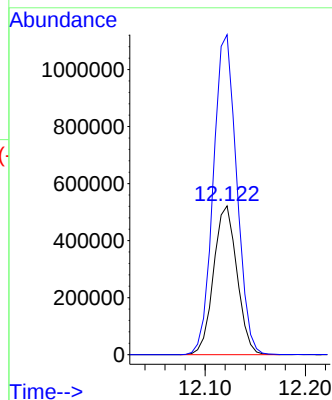
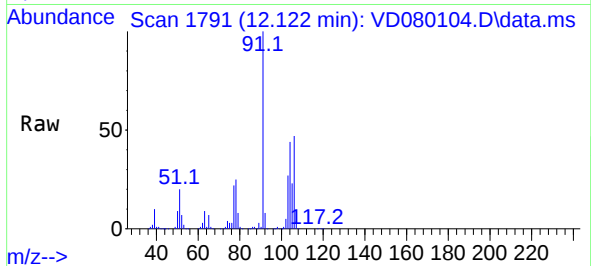




#54  
o-Xylene  
Concen: 109.750 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

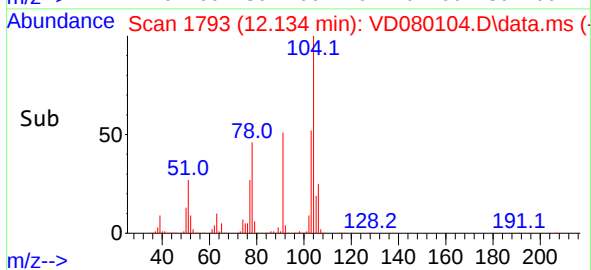
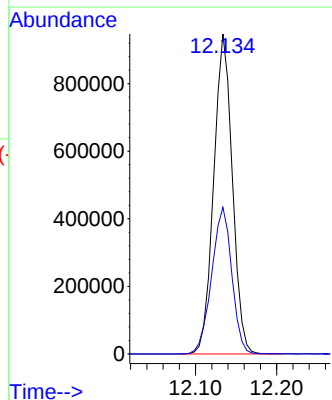
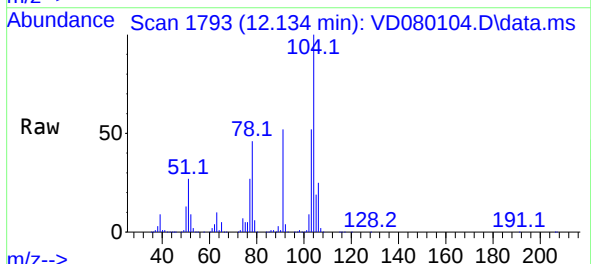
Instrument :  
MSVOA\_D  
ClientSampleId :

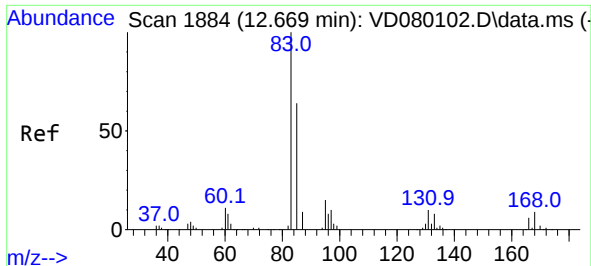
Tgt Ion:106 Resp: 845699  
Ion Ratio Lower Upper  
106 100  
91 215.0 148.0 274.8



#55  
Styrene  
Concen: 109.686 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

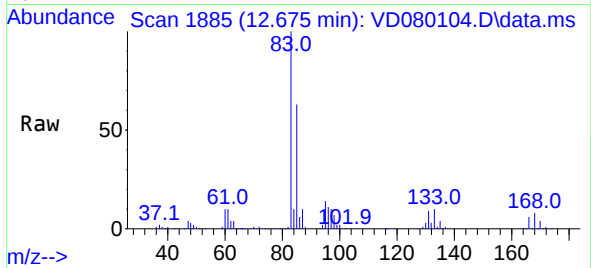
Tgt Ion:104 Resp: 1510403  
Ion Ratio Lower Upper  
104 100  
78 45.8 31.6 58.6



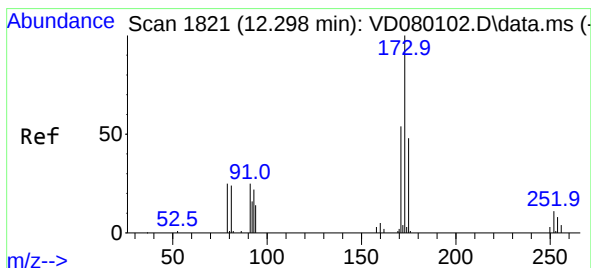
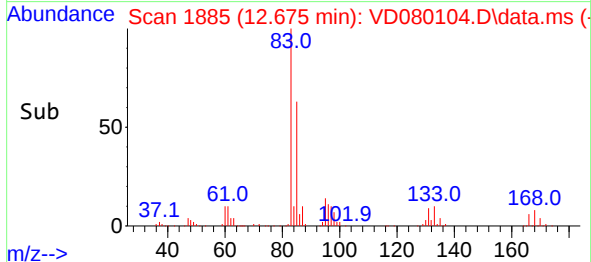
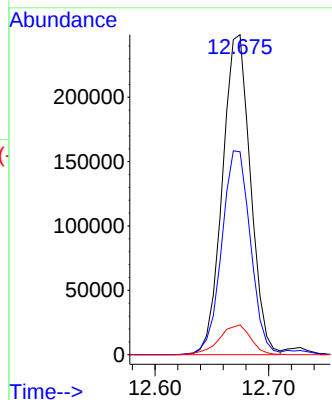


#57  
1,1,2,2-Tetrachloroethane  
Concen: 102.055 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

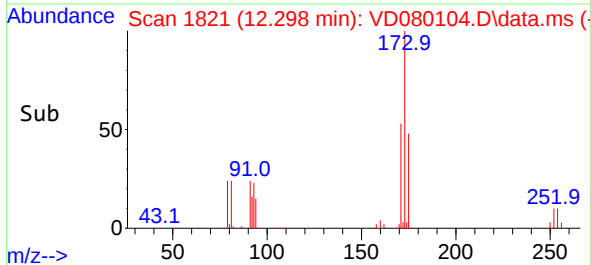
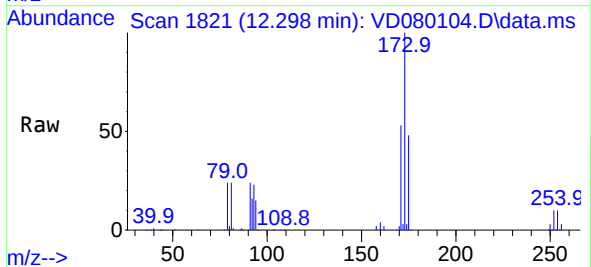
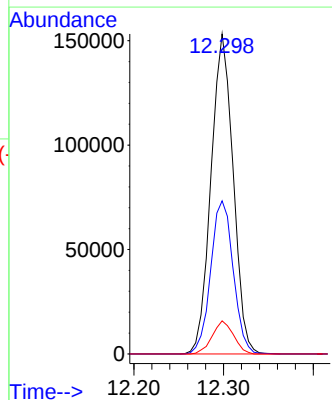


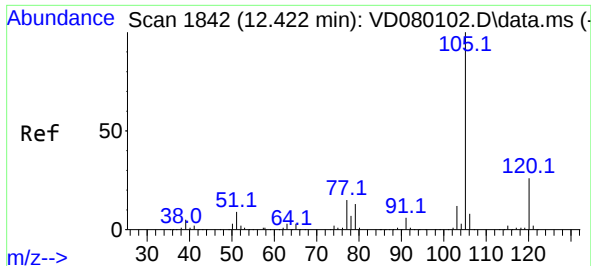
Tgt Ion: 83 Resp: 426374  
Ion Ratio Lower Upper  
83 100  
85 63.4 44.4 82.4  
131 9.3 8.6 13.0



#59  
Bromoform  
Concen: 102.479 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:173 Resp: 262718  
Ion Ratio Lower Upper  
173 100  
175 48.7 39.0 58.6  
254 9.9 8.3 12.5

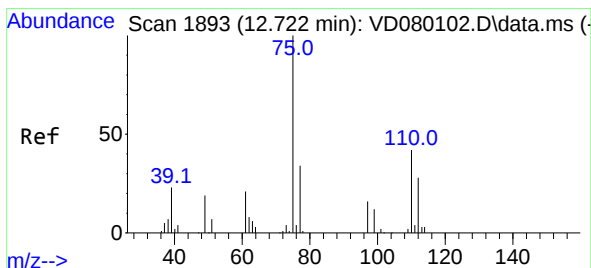
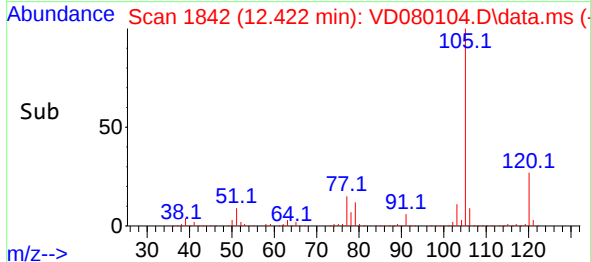
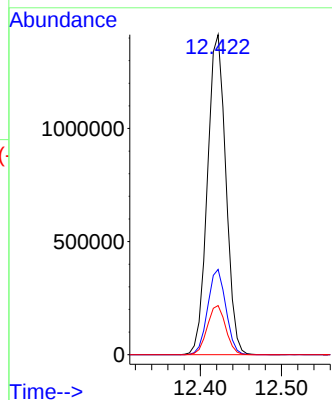
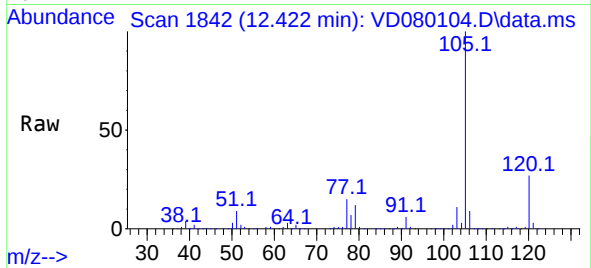




#60  
Isopropylbenzene  
Concen: 109.304 ug/L  
RT: 12.422 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

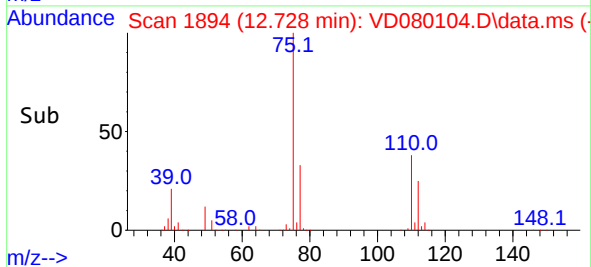
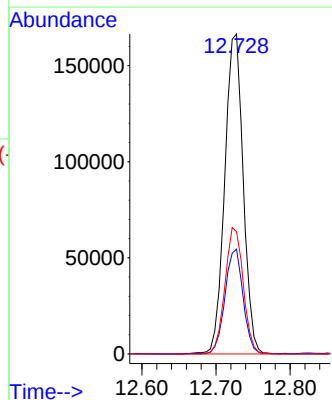
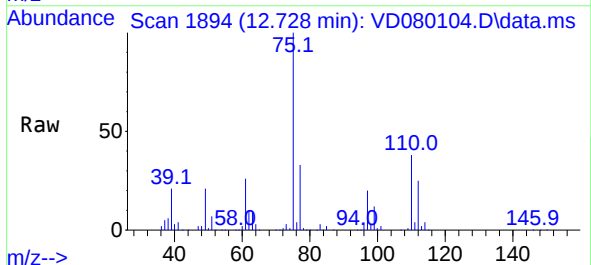
Instrument :  
MSVOA\_D  
ClientSampleId :

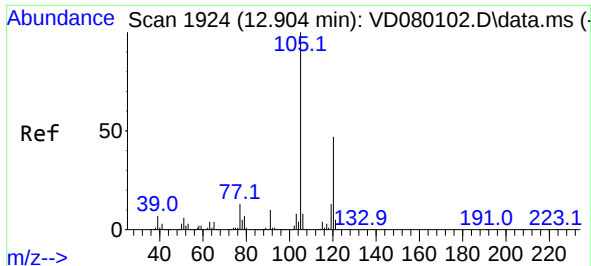
Tgt Ion:105 Resp: 2225476  
Ion Ratio Lower Upper  
105 100  
120 26.3 21.3 31.9  
77 15.4 12.6 18.8



#61  
1,2,3-Trichloropropane  
Concen: 101.171 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. 0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion: 75 Resp: 287845  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.3 39.5  
110 39.0 30.2 45.2

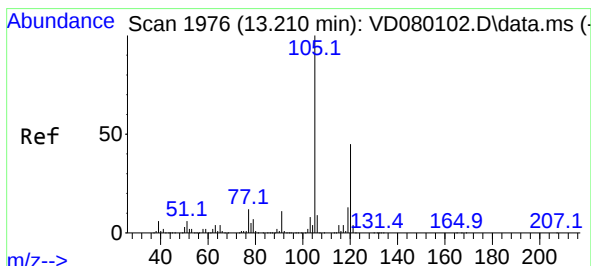
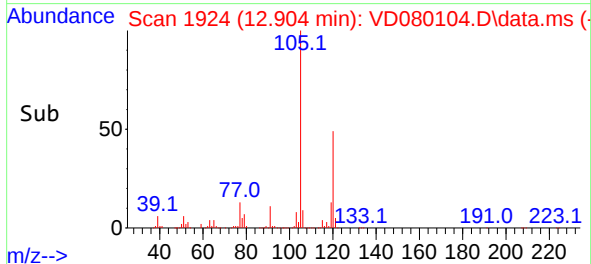
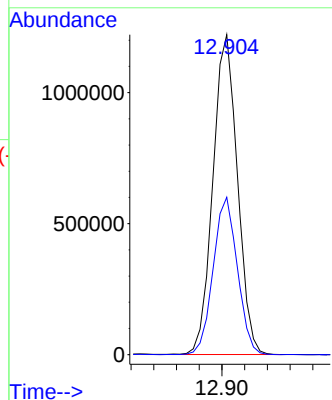
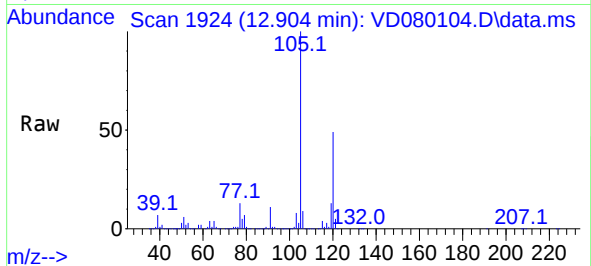




#62  
1,3,5-Trimethylbenzene  
Concen: 113.071 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

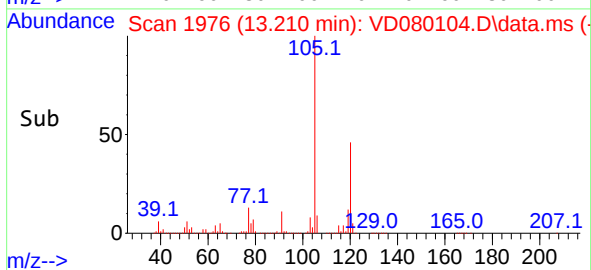
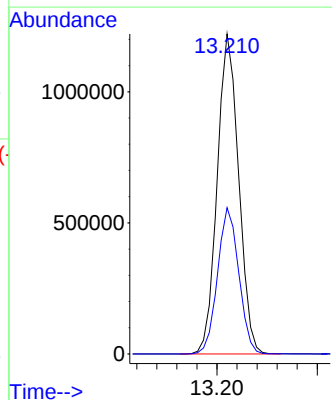
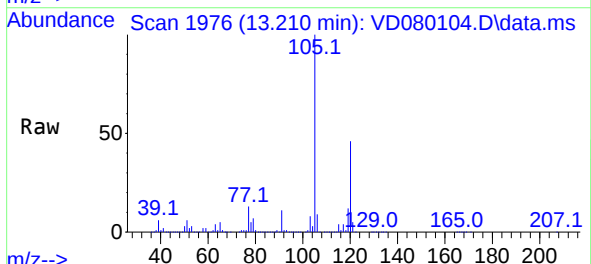
Instrument :  
MSVOA\_D  
ClientSampleId :

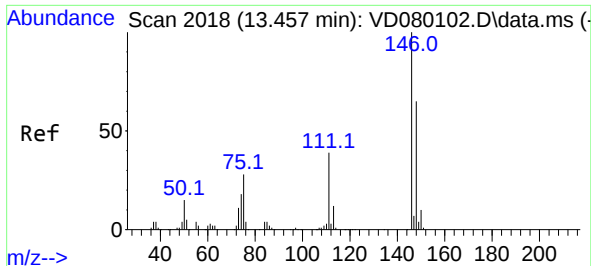
Tgt Ion:105 Resp: 1829167  
Ion Ratio Lower Upper  
105 100  
120 48.6 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 112.386 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

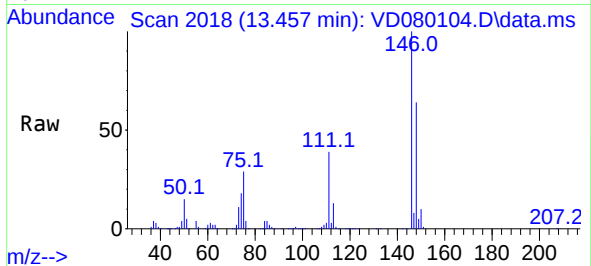
Tgt Ion:105 Resp: 1808878  
Ion Ratio Lower Upper  
105 100  
120 45.2 36.8 55.2



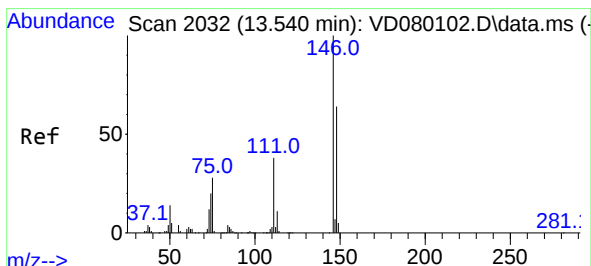
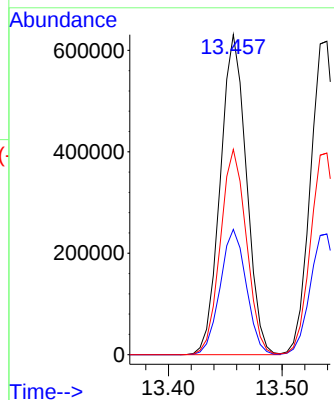
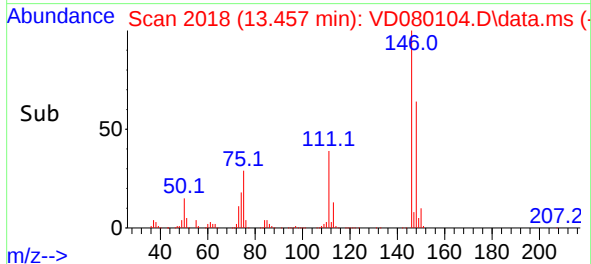


#64  
1,3-Dichlorobenzene  
Concen: 104.132 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

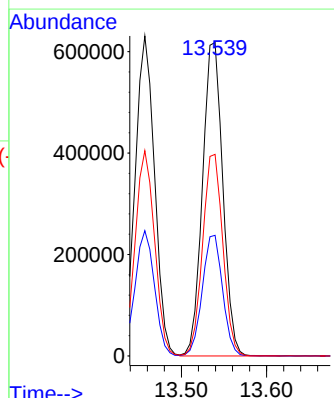
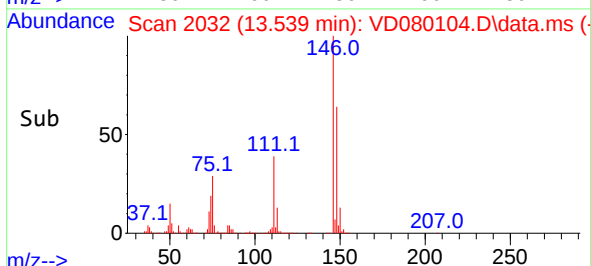
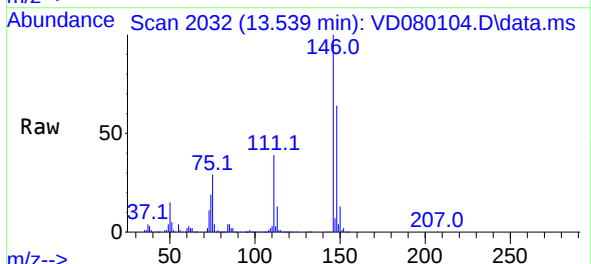


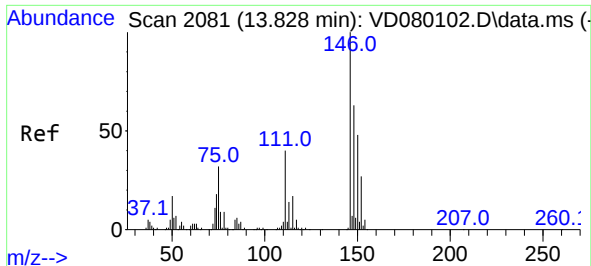
Tgt Ion:146 Resp: 1008206  
Ion Ratio Lower Upper  
146 100  
111 39.1 28.2 52.4  
148 64.2 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 103.349 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:146 Resp: 1022469  
Ion Ratio Lower Upper  
146 100  
111 38.5 26.2 48.8  
148 64.3 46.1 85.5





#67

1,2-Dichlorobenzene

Concen: 106.372 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD080104.D

Acq: 05 Dec 2024 12:08

Instrument :

MSVOA\_D

ClientSampleId :

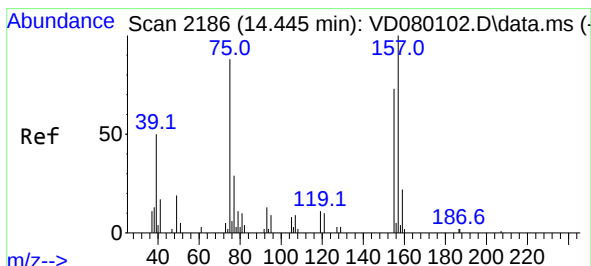
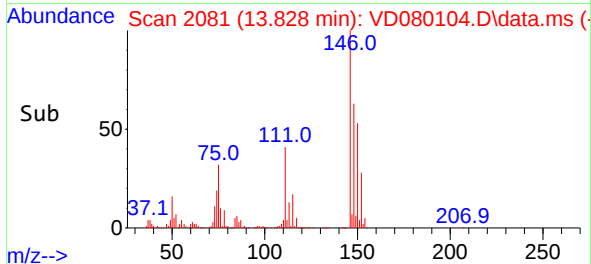
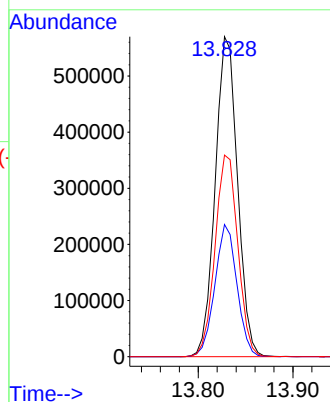
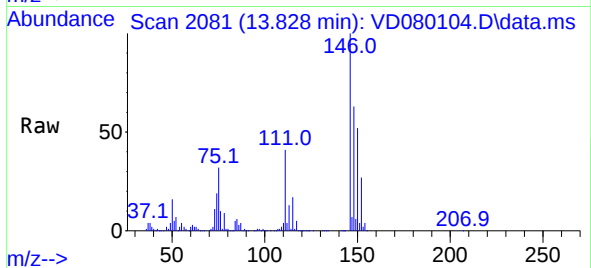
Tgt Ion:146 Resp: 933966

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

148 63.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 103.333 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD080104.D

Acq: 05 Dec 2024 12:08

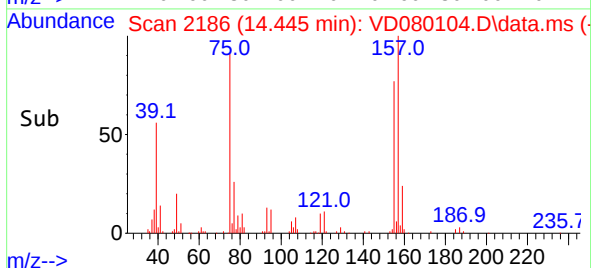
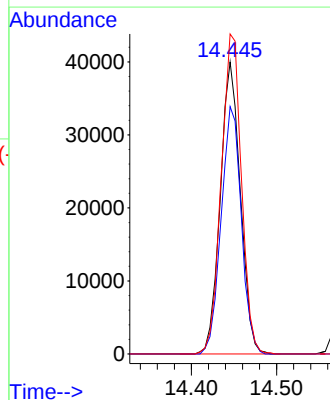
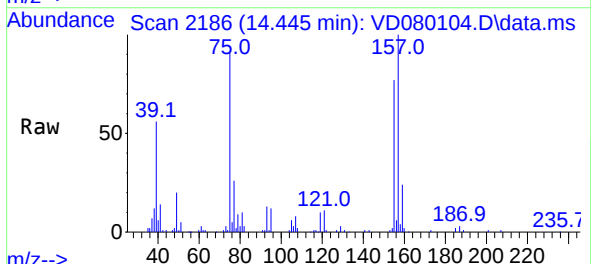
Tgt Ion: 75 Resp: 65368

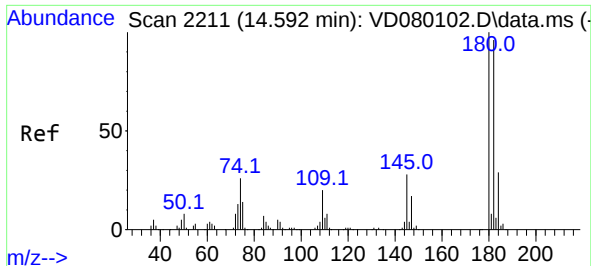
Ion Ratio Lower Upper

75 100

155 84.7 68.7 103.1

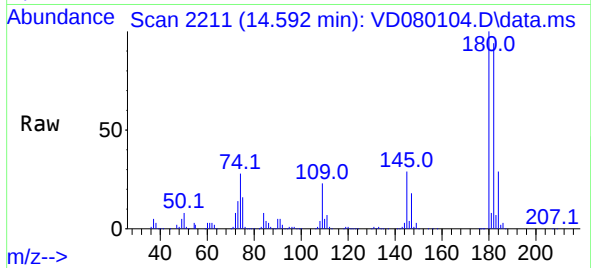
157 109.6 79.4 119.2



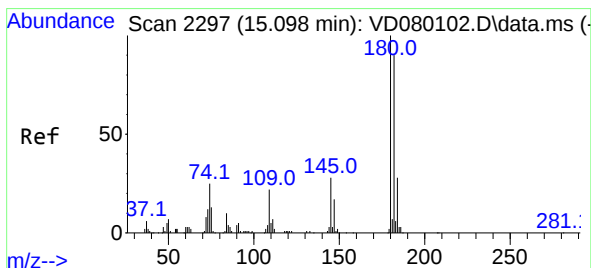
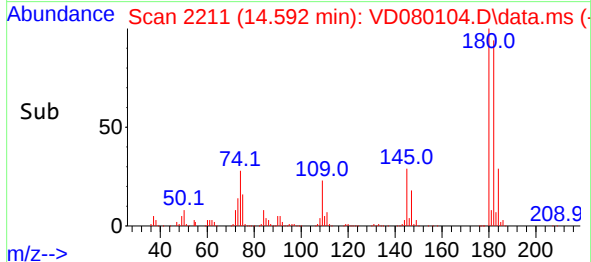
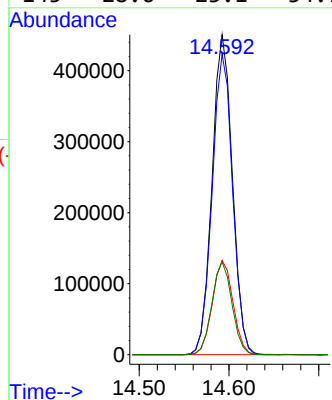


#69  
1,3,5-Trichlorobenzene  
Concen: 106.621 ug/L  
RT: 14.592 min Scan# 2211  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

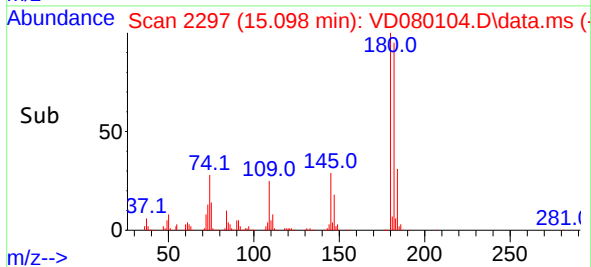
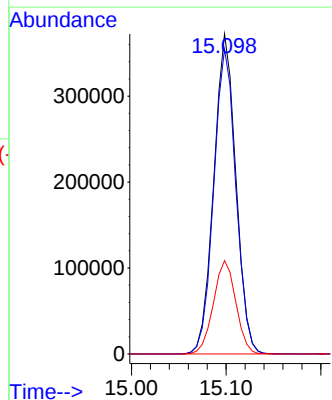
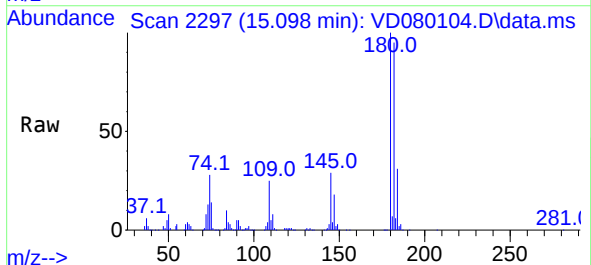


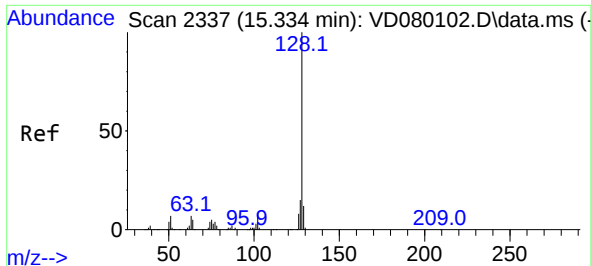
Tgt Ion:180 Resp: 707920  
Ion Ratio Lower Upper  
180 100  
182 94.5 75.8 113.6  
184 29.9 24.6 36.8  
145 28.6 23.1 34.7



#70  
1,2,4-trichlorobenzene  
Concen: 109.286 ug/L  
RT: 15.098 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:180 Resp: 604353  
Ion Ratio Lower Upper  
180 100  
182 95.5 75.9 113.9  
145 29.6 23.0 34.4

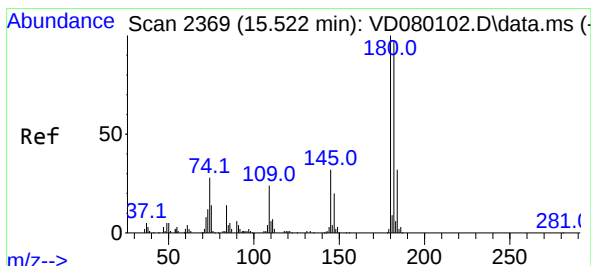
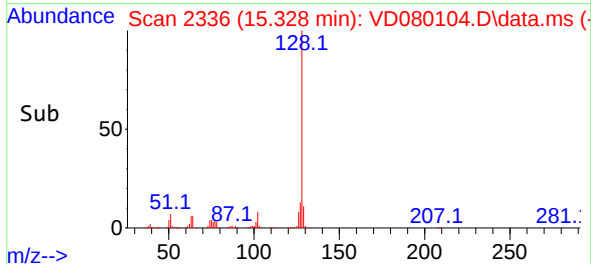
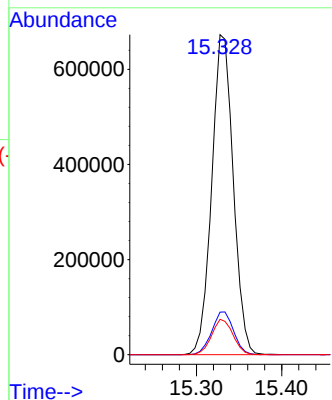
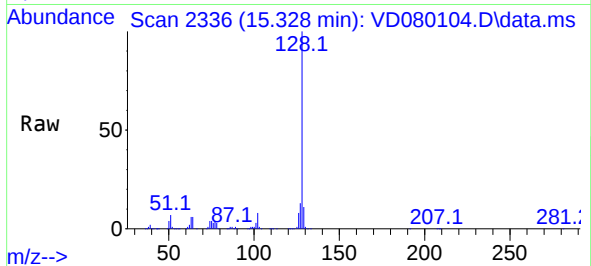




#71  
Naphthalene  
Concen: 119.269 ug/L  
RT: 15.328 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 1179164  
Ion Ratio Lower Upper  
128 100  
127 13.6 11.0 16.6  
129 11.0 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 109.358 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD080104.D  
Acq: 05 Dec 2024 12:08

Tgt Ion:180 Resp: 550342  
Ion Ratio Lower Upper  
180 100  
182 93.8 75.8 113.8  
145 30.9 24.9 37.3

