

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121124\  
 Data File : VD080126.D  
 Acq On : 11 Dec 2024 11:20  
 Operator : RP/MD  
 Sample : VSTD100  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 12 00:22:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM121124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 12 00:19:44 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 234660   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 212105   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 113183   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65   | 341664   | 91.355  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.793  | 69   | 322311   | 96.645  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65   | 151385   | 105.267 | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.987  | 46   | 181520   | 230.355 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.563  | 84   | 636508   | 98.240  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 341617   | 99.637  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.199  | 84   | 1248972  | 99.096  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 407257   | 95.165  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 1178382  | 98.962  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 175972   | 100.429 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 158789   | 245.339 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 410528   | 112.099 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 426043   | 104.256 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 517834   | 119.716 | ug/L   | 100      |
| 3) Chloromethane              | 2.152  | 50   | 353097   | 103.867 | ug/L   | 96       |
| 5) Vinyl chloride             | 2.281  | 62   | 498021   | 105.961 | ug/L   | 99       |
| 6) Bromomethane               | 2.681  | 94   | 353895   | 112.980 | ug/L   | 98       |
| 8) Chloroethane               | 2.828  | 64   | 329557   | 105.182 | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.164  | 101  | 741455   | 108.103 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101  | 439708   | 108.167 | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 3.934  | 96   | 419055   | 118.096 | ug/L   | 93       |
| 13) Acetone                   | 4.022  | 43   | 277660   | 195.897 | ug/L   | 100      |
| 14) Carbon disulfide          | 4.264  | 76   | 1271848  | 110.482 | ug/L   | 99       |
| 15) Methyl Acetate            | 4.564  | 43   | 174923   | 102.928 | ug/L   | 98       |
| 16) Methylene chloride        | 4.799  | 84   | 382271   | 94.829  | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 5.311  | 96   | 372007   | 103.301 | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 865094   | 111.922 | ug/L # | 98       |
| 19) 1,1-Dichloroethane        | 6.105  | 63   | 734318   | 107.176 | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96   | 420866   | 109.012 | ug/L   | 97       |
| 22) 2-Butanone                | 7.081  | 43   | 304157   | 215.839 | ug/L   | 100      |
| 23) Bromochloromethane        | 7.428  | 128  | 183366   | 97.441  | ug/L   | 97       |
| 25) Chloroform                | 7.599  | 83   | 721929   | 93.192  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 453923   | 102.458 | ug/L   | 98       |
| 29) Cyclohexane               | 7.875  | 56   | 618702   | 122.550 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 578511   | 94.183  | ug/L   | 100      |
| 31) Carbon tetrachloride      | 7.993  | 117  | 504956   | 99.183  | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 1594556  | 104.087 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 449066   | 107.854 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 657098   | 106.837 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 425467   | 96.931  | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.581  | 83   | 524673   | 94.805  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 674513   | 107.681 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 527977   | 217.545 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 1743445  | 104.900 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 577626   | 111.941 | ug/L   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121124\  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 12 00:22:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM121124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 12 00:19:44 2024  
 Response via : Initial Calibration

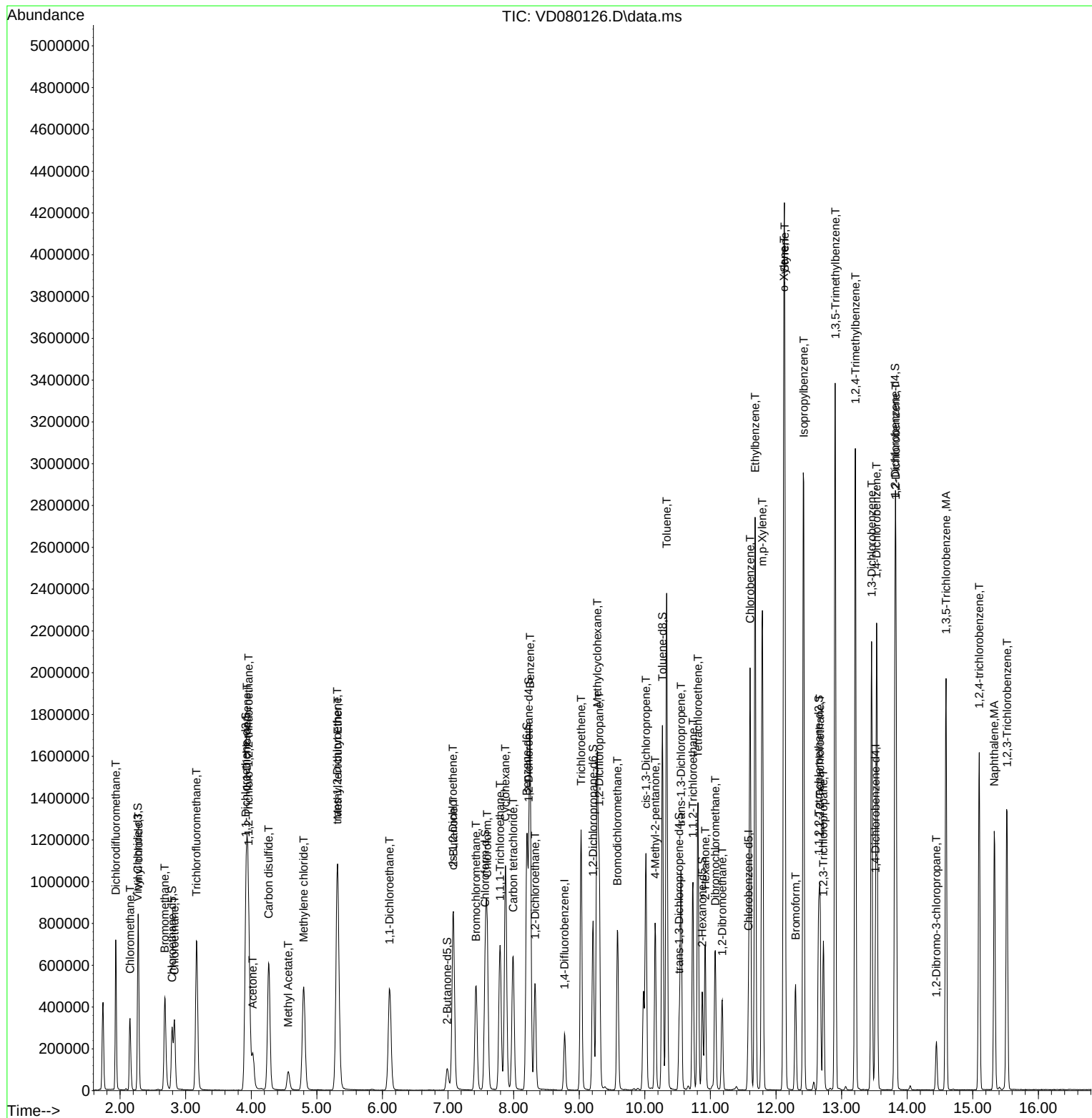
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 315897   | 100.069 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 311839   | 108.142 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 454225   | 234.639 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.075 | 129  | 359051   | 104.775 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 292159   | 104.375 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.604 | 112  | 1053710  | 105.927 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.681 | 91   | 1933751  | 117.168 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.793 | 106  | 724983   | 114.895 | ug/L  | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 727963   | 120.248 | ug/L  | 93       |
| 55) Styrene                   | 12.134 | 104  | 1302428  | 118.861 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 441491   | 109.769 | ug/L  | 99       |
| 59) Bromoform                 | 12.298 | 173  | 226483   | 104.031 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 1930867  | 119.856 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 302586   | 108.397 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 1849265  | 137.685 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1622953  | 127.003 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 862283   | 110.039 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 888634   | 105.194 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 808980   | 106.912 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 59255    | 105.268 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 597507   | 110.382 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 505216   | 116.755 | ug/L  | 100      |
| 71) Naphthalene               | 15.328 | 128  | 1019314  | 123.993 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 464936   | 106.761 | ug/L  | 98       |

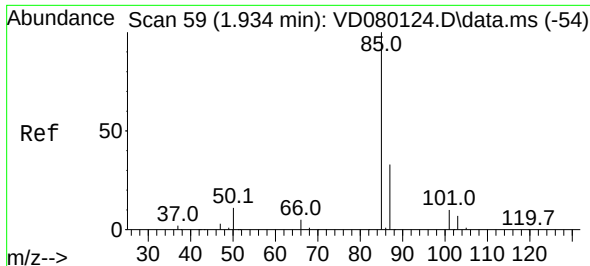
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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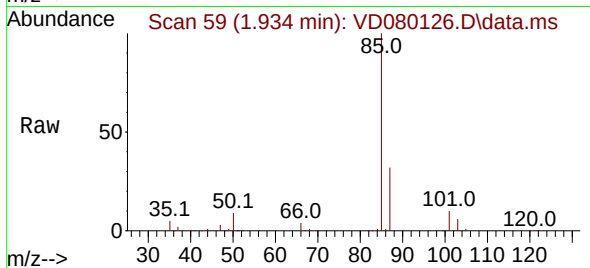
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM121124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 12 00:19:44 2024  
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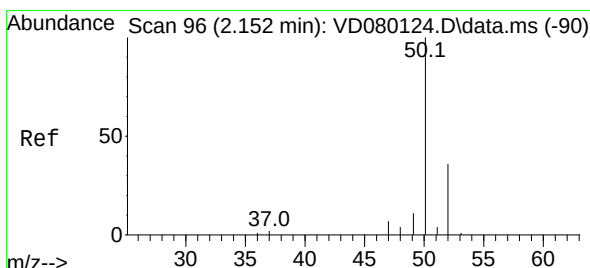
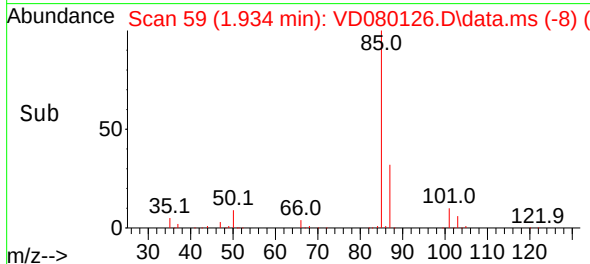
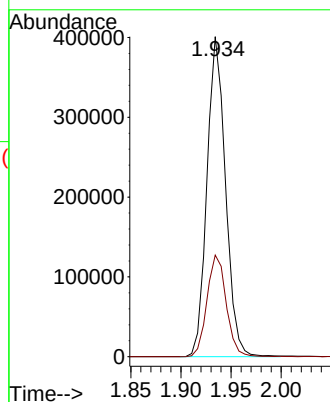


#2  
 Dichlorodifluoromethane  
 Concen: 119.716 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VD080126.D  
 Acq: 11 Dec 2024 11:20

Instrument :  
 MSVOA\_D  
 ClientSampleId :

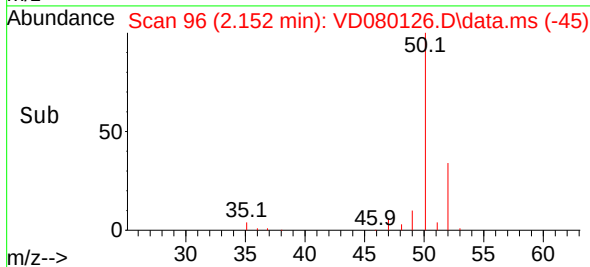
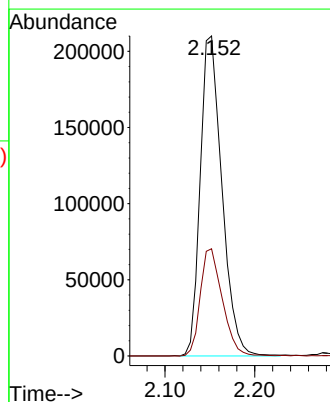
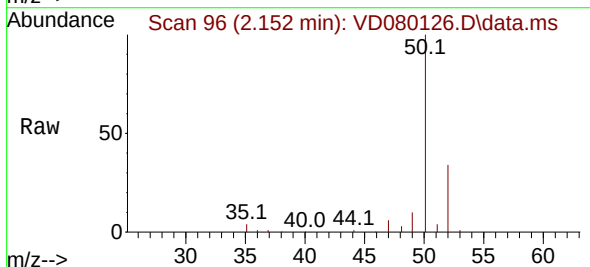


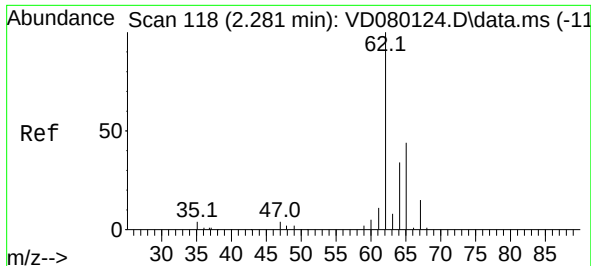
Tgt Ion: 85 Resp: 517834  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 26.2 39.2



#3  
 Chloromethane  
 Concen: 103.867 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VD080126.D  
 Acq: 11 Dec 2024 11:20

Tgt Ion: 50 Resp: 353097  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 25.1 46.7

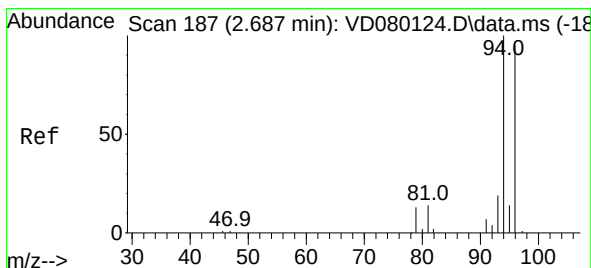
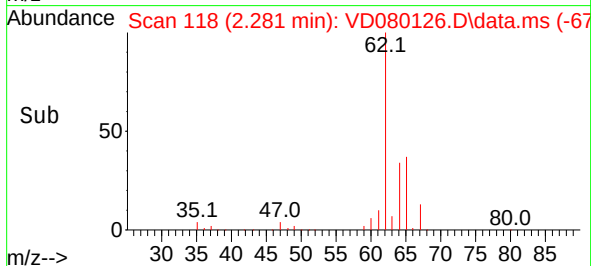
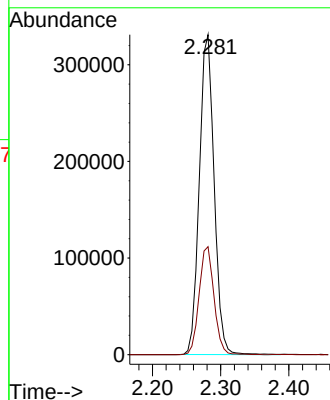
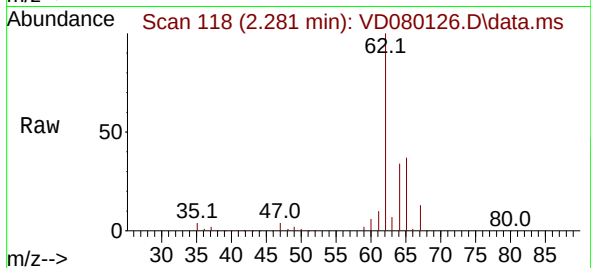




#5  
Vinyl chloride  
Concen: 105.961 ug/L  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

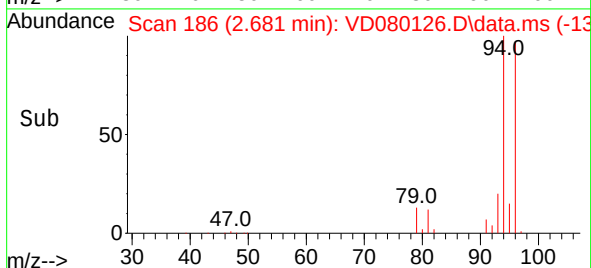
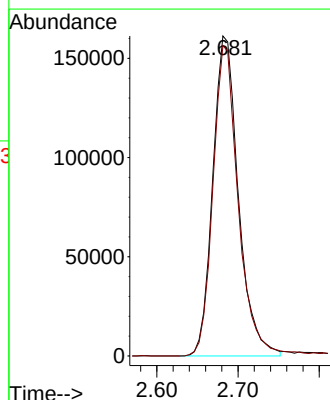
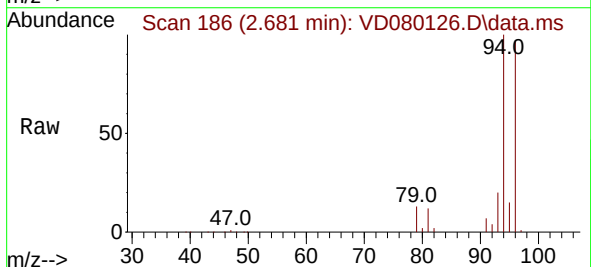
Instrument :  
MSVOA\_D  
ClientSampleId :

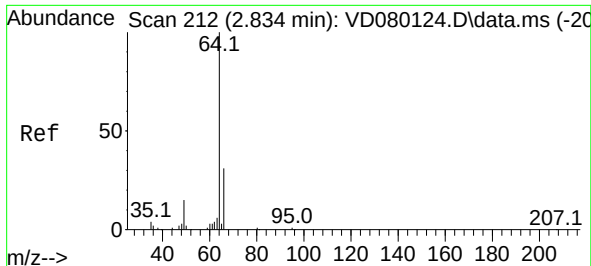
Tgt Ion: 62 Resp: 498021  
Ion Ratio Lower Upper  
62 100  
64 33.8 24.0 44.6



#6  
Bromomethane  
Concen: 112.980 ug/L  
RT: 2.681 min Scan# 186  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 94 Resp: 353895  
Ion Ratio Lower Upper  
94 100  
96 97.0 66.8 124.0

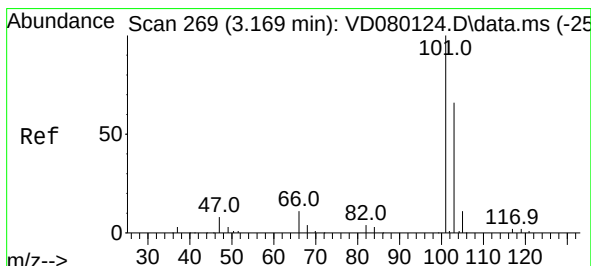
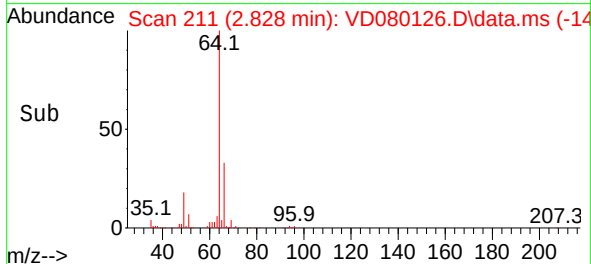
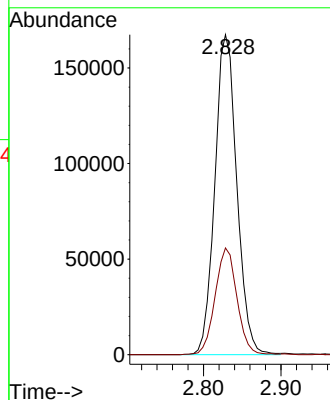
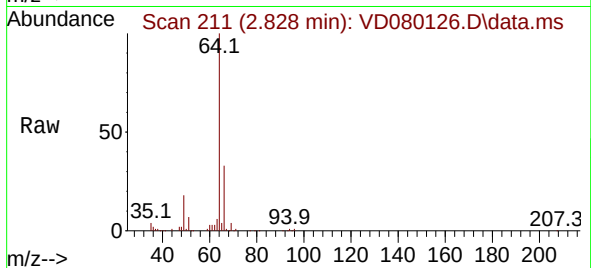




#8  
Chloroethane  
Concen: 105.182 ug/L  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

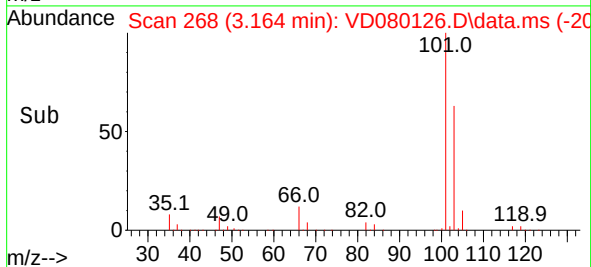
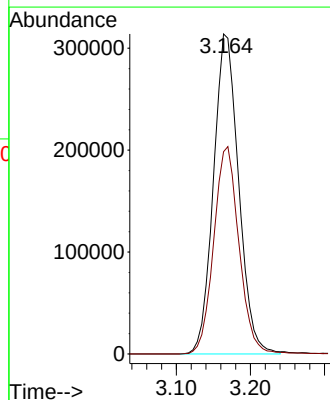
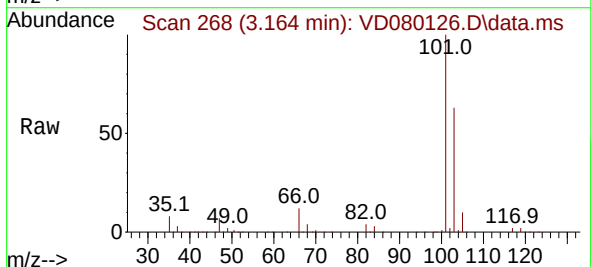
Instrument :  
MSVOA\_D  
ClientSampleId :

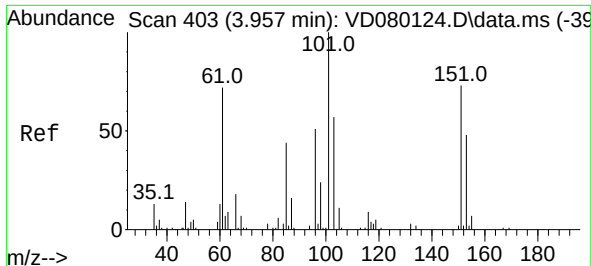
Tgt Ion: 64 Resp: 329557  
Ion Ratio Lower Upper  
64 100  
66 33.4 21.3 39.6



#9  
Trichlorofluoromethane  
Concen: 108.103 ug/L  
RT: 3.164 min Scan# 268  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:101 Resp: 741455  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.5 78.7

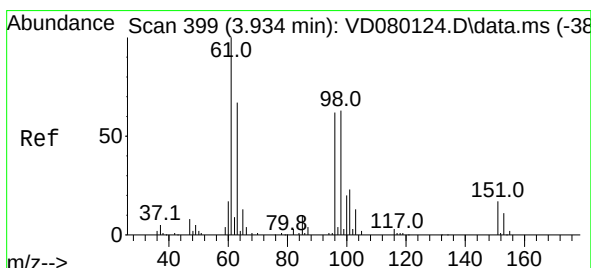
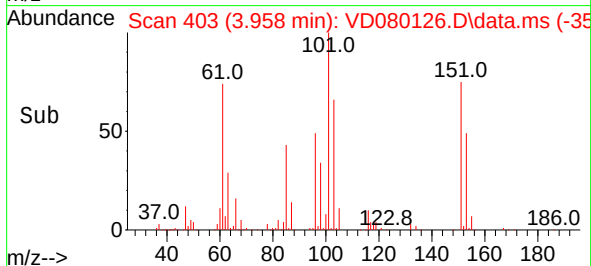
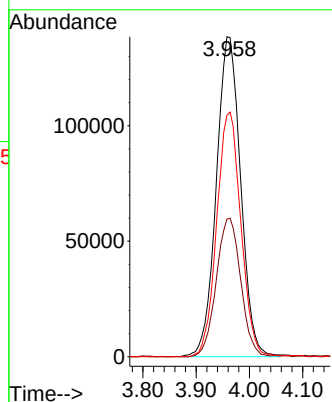
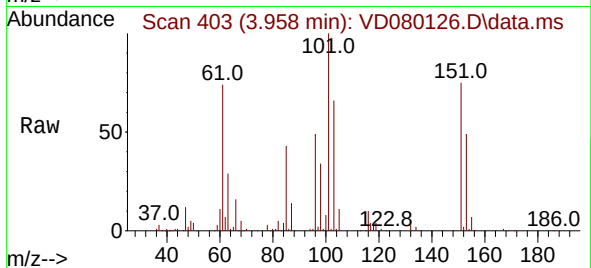




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 108.167 ug/L  
RT: 3.958 min Scan# 403  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

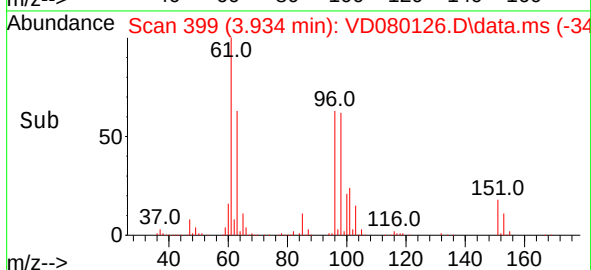
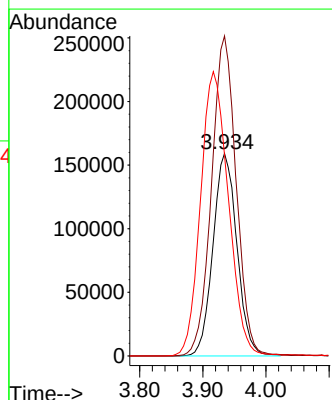
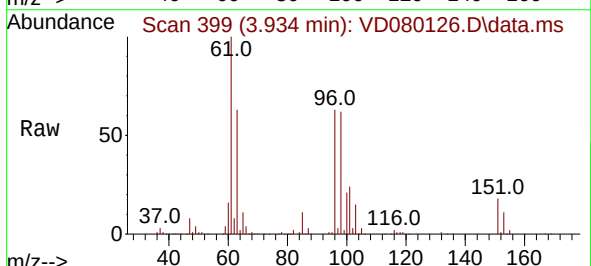
Instrument :  
MSVOA\_D  
ClientSampleId :

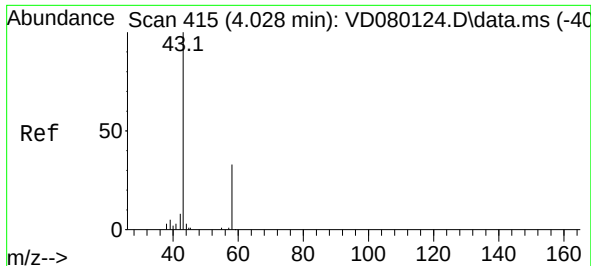
Tgt Ion:101 Resp: 439708  
Ion Ratio Lower Upper  
101 100  
85 43.4 35.8 53.6  
151 75.8 59.8 89.6



#12  
1,1-Dichloroethene  
Concen: 118.096 ug/L  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 96 Resp: 419055  
Ion Ratio Lower Upper  
96 100  
61 158.0 113.8 211.3  
63 99.2 78.5 145.7





#13

Acetone

Concen: 195.897 ug/L

RT: 4.022 min Scan# 415

Delta R.T. -0.006 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

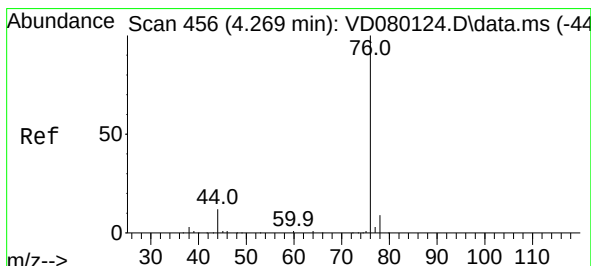
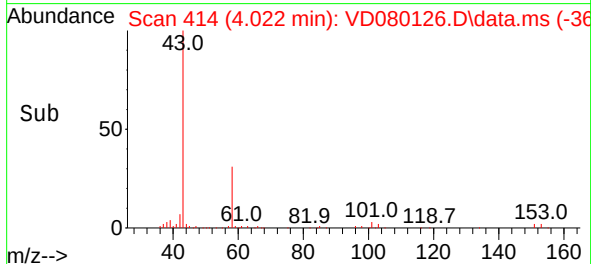
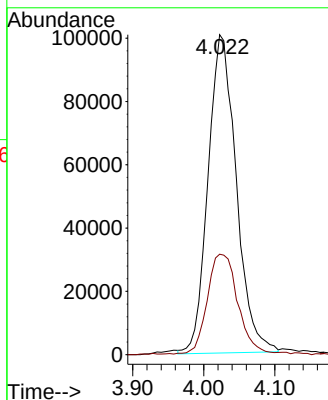
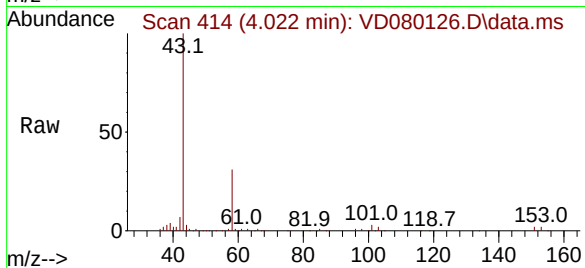
ClientSampleId :

Tgt Ion: 43 Resp: 277660

Ion Ratio Lower Upper

43 100

58 34.3 0.0 69.0



#14

Carbon disulfide

Concen: 110.482 ug/L

RT: 4.264 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD080126.D

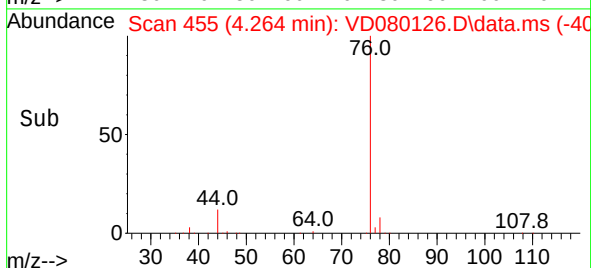
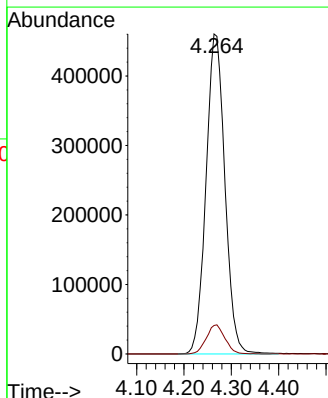
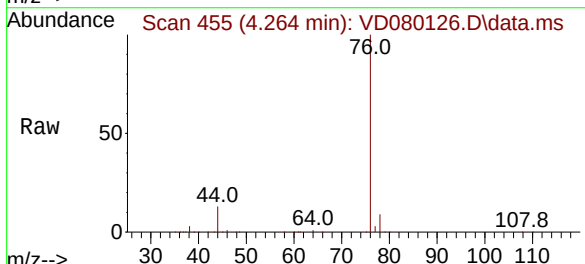
Acq: 11 Dec 2024 11:20

Tgt Ion: 76 Resp: 1271848

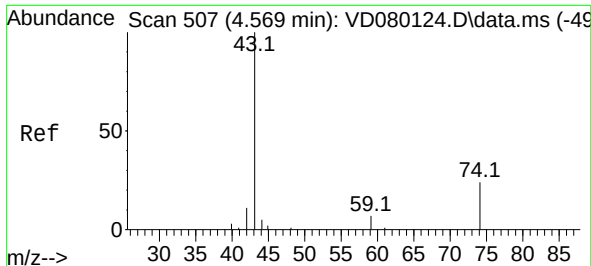
Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9







#15

Methyl Acetate

Concen: 102.928 ug/L

RT: 4.564 min Scan# 507

Delta R.T. -0.006 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

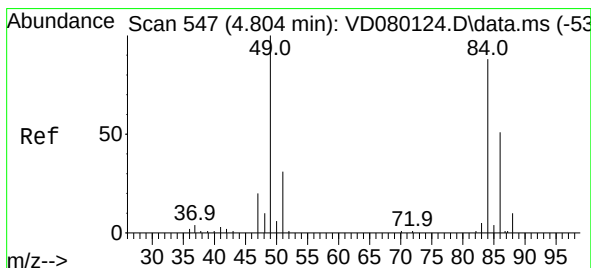
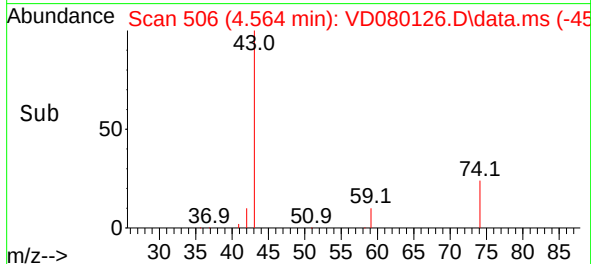
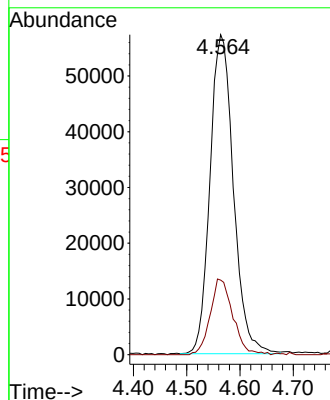
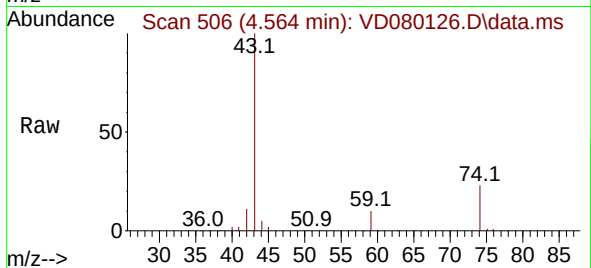
ClientSampleId :

Tgt Ion: 43 Resp: 174923

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.4



#16

Methylene chloride

Concen: 94.829 ug/L

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

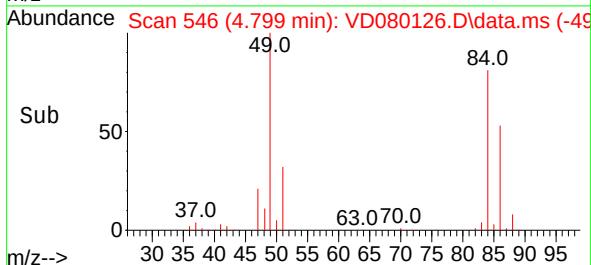
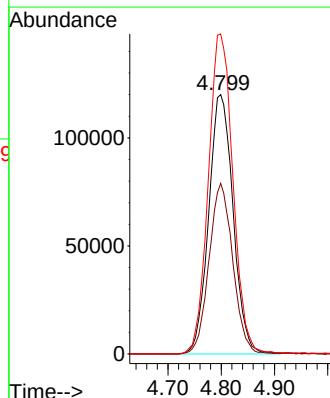
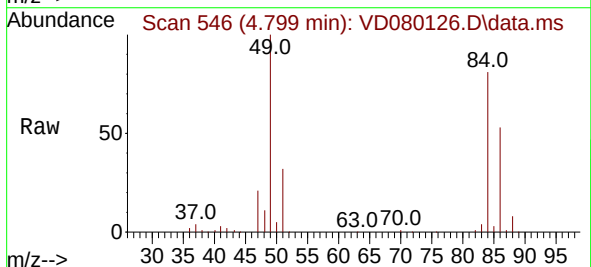
Tgt Ion: 84 Resp: 382271

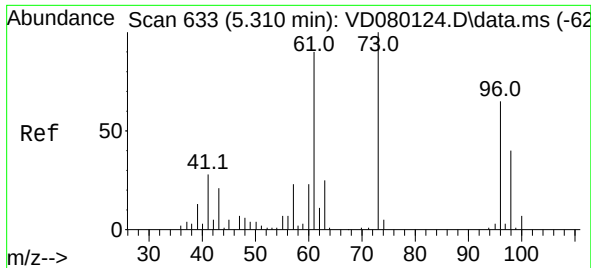
Ion Ratio Lower Upper

84 100

86 65.7 40.7 75.7

49 123.4 79.9 148.5





#17

trans-1,2-Dichloroethene

Concen: 103.301 ug/L

RT: 5.311 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :

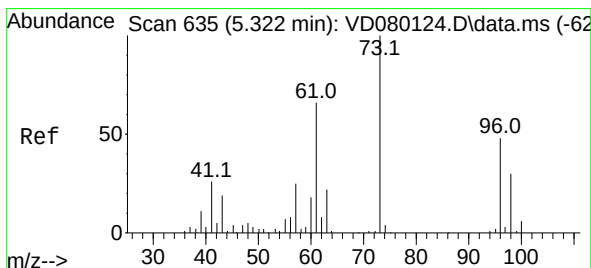
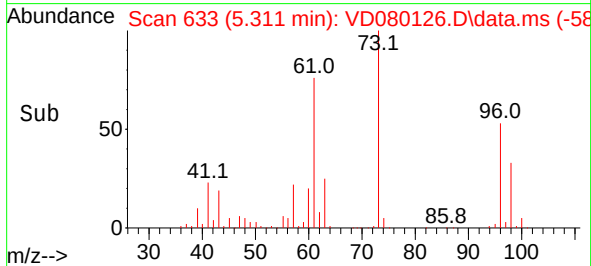
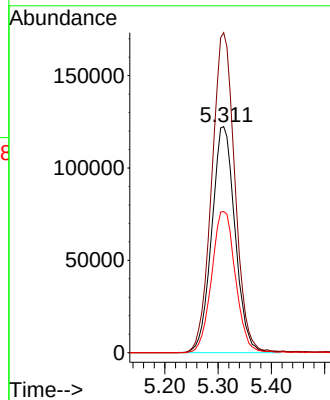
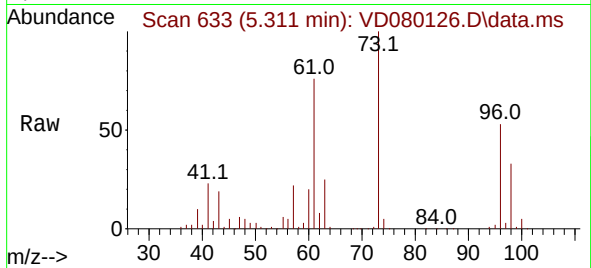
Tgt Ion: 96 Resp: 372007

Ion Ratio Lower Upper

96 100

61 141.5 97.4 181.0

98 62.4 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 111.922 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

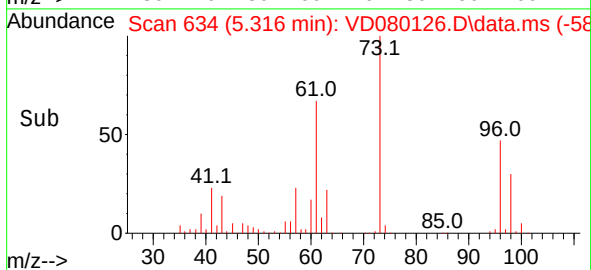
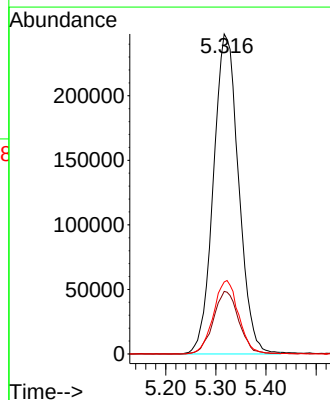
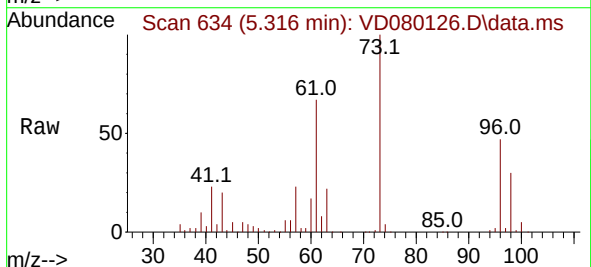
Tgt Ion: 73 Resp: 865094

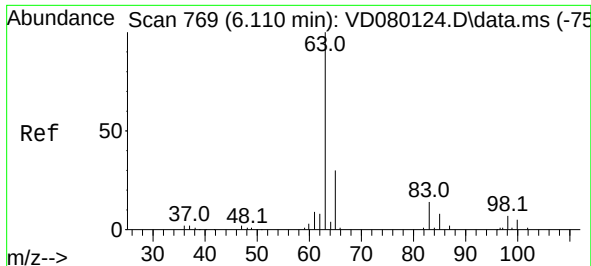
Ion Ratio Lower Upper

73 100

43 19.8 0.0 0.0#

57 22.9 18.9 28.3

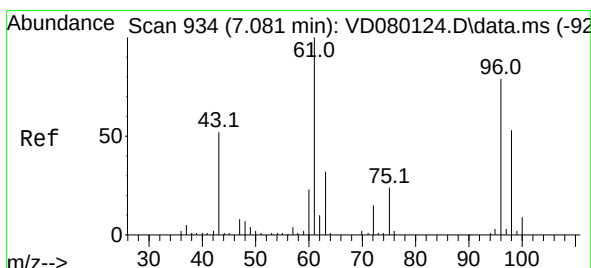
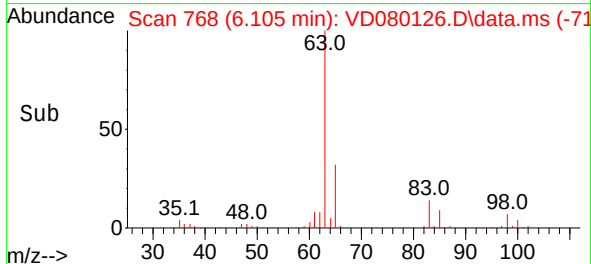
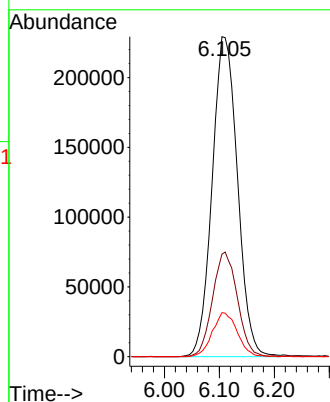
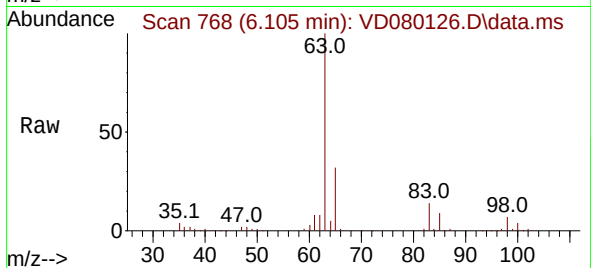




#19  
1,1-Dichloroethane  
Concen: 107.176 ug/L  
RT: 6.105 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

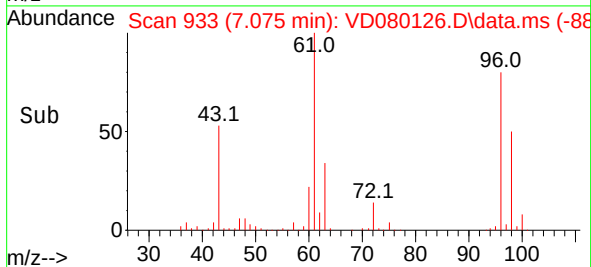
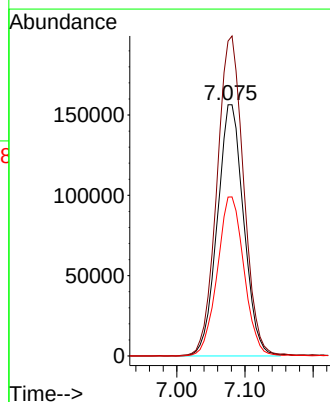
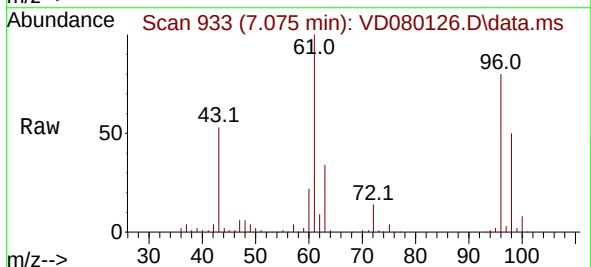
Instrument :  
MSVOA\_D  
ClientSampleId :

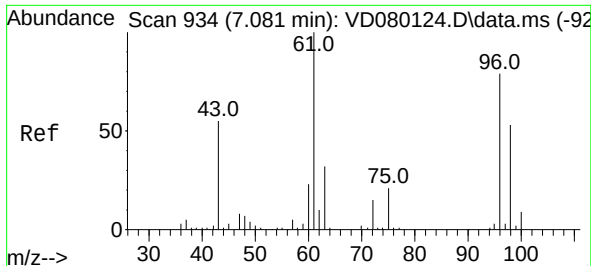
Tgt Ion: 63 Resp: 734318  
Ion Ratio Lower Upper  
63 100  
65 32.1 21.1 39.1  
83 13.7 9.9 18.5



#20  
cis-1,2-Dichloroethene  
Concen: 109.012 ug/L  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 96 Resp: 420866  
Ion Ratio Lower Upper  
96 100  
61 125.4 89.1 165.5  
98 63.2 47.3 87.8

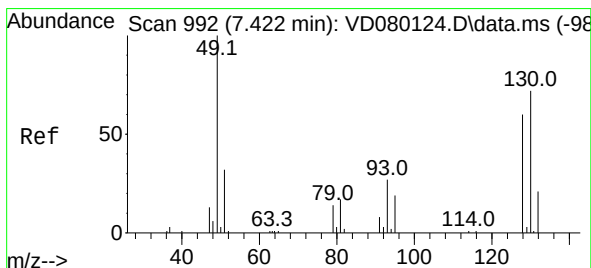
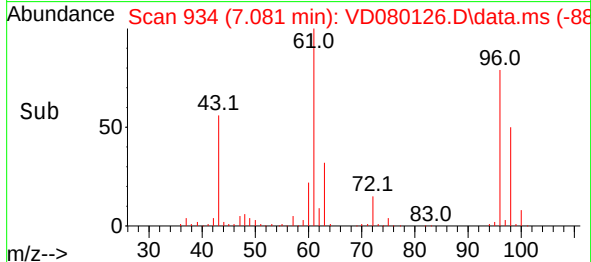
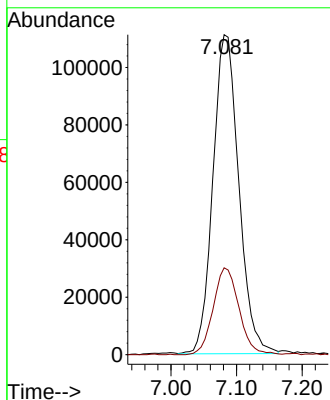
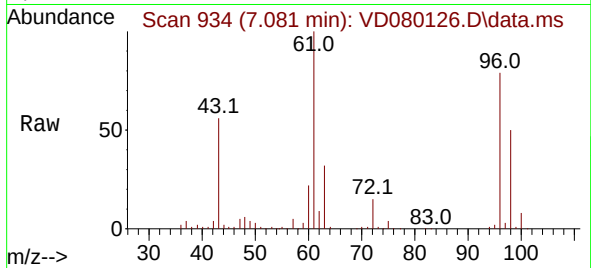




#22  
2-Butanone  
Concen: 215.839 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

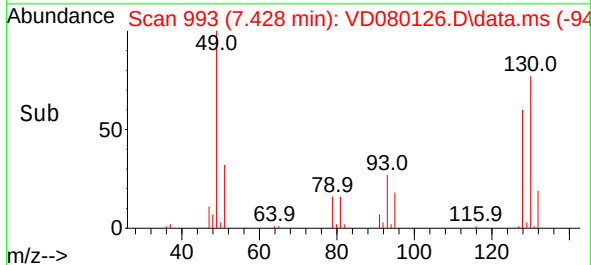
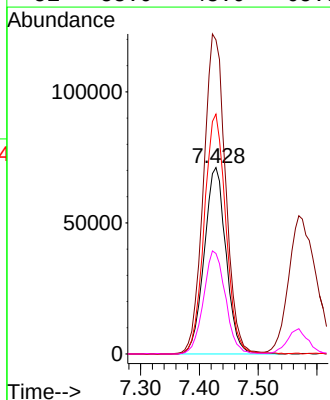
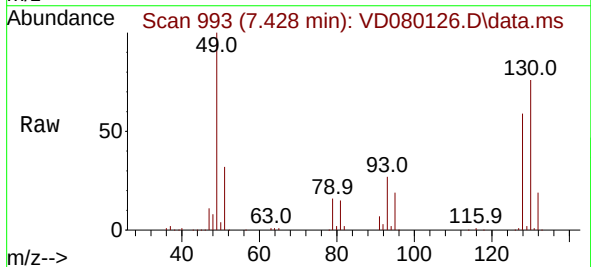
Instrument :  
MSVOA\_D  
ClientSampleId :

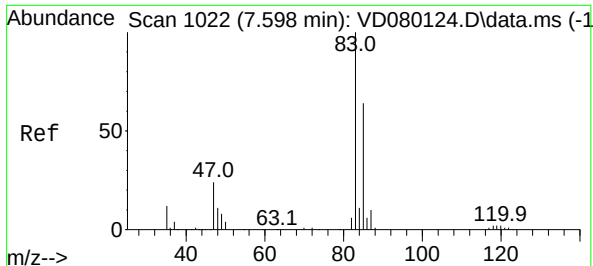
Tgt Ion: 43 Resp: 304157  
Ion Ratio Lower Upper  
43 100  
72 27.1 13.6 40.8



#23  
Bromochloromethane  
Concen: 97.441 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:128 Resp: 183366  
Ion Ratio Lower Upper  
128 100  
49 168.4 117.0 217.2  
130 128.6 84.4 156.7  
51 53.9 43.9 65.9

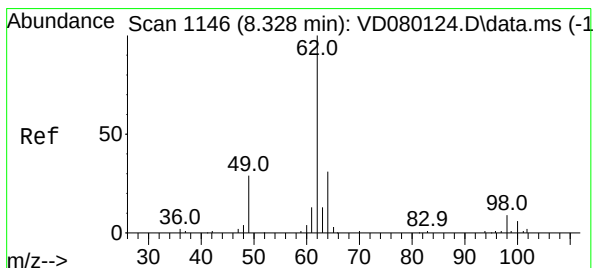
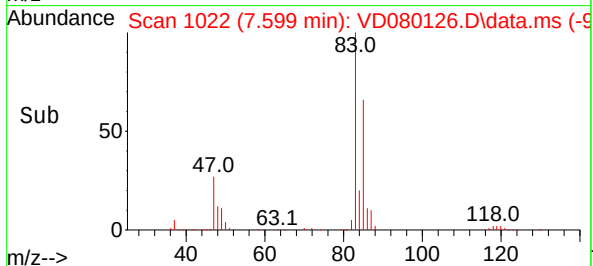
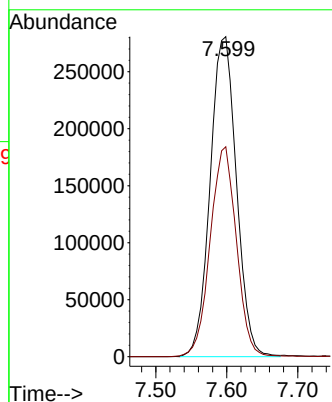
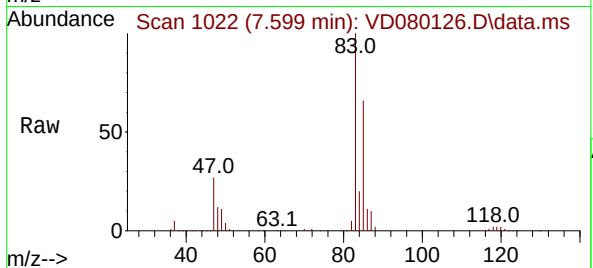




#25  
Chloroform  
Concen: 93.192 ug/L  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

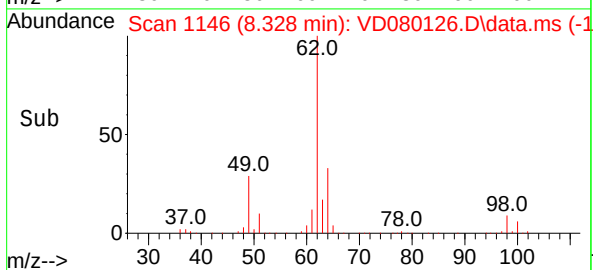
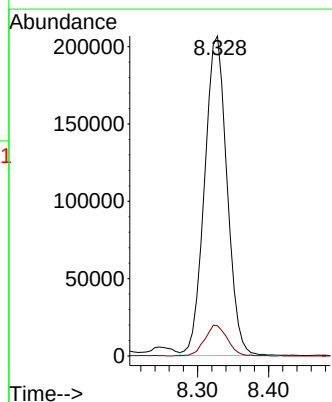
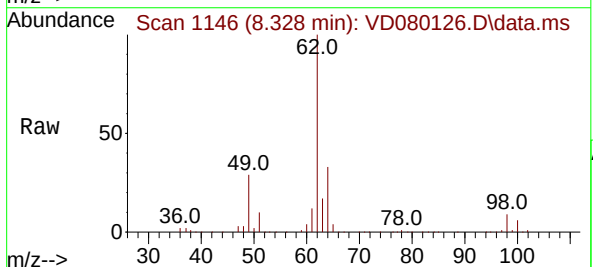
Instrument :  
MSVOA\_D  
ClientSampleId :

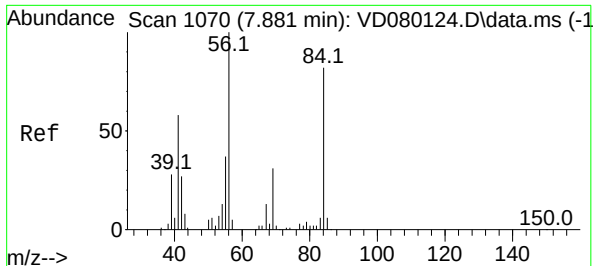
Tgt Ion: 83 Resp: 721929  
Ion Ratio Lower Upper  
83 100  
85 65.6 45.0 83.6



#27  
1,2-Dichloroethane  
Concen: 102.458 ug/L  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

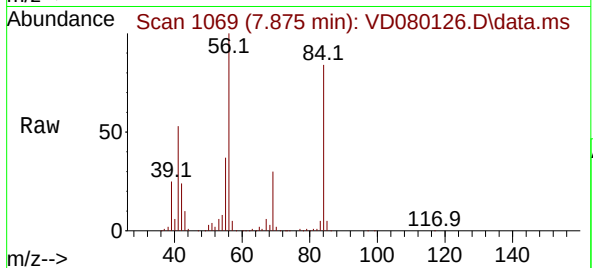
Tgt Ion: 62 Resp: 453923  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.0 10.6



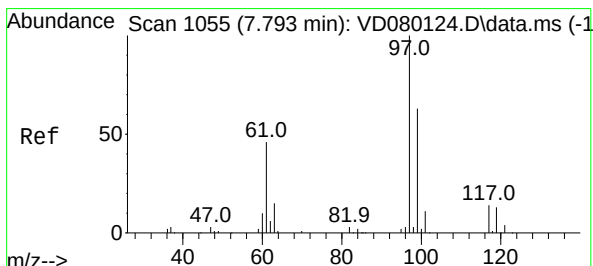
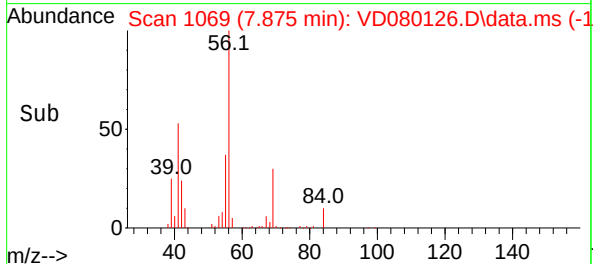
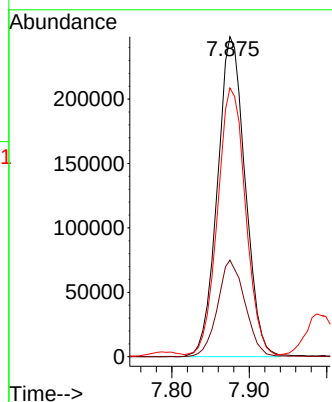


#29  
Cyclohexane  
Concen: 122.550 ug/L  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Instrument :  
MSVOA\_D  
ClientSampleId :

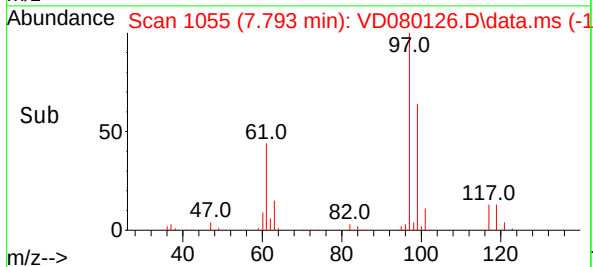
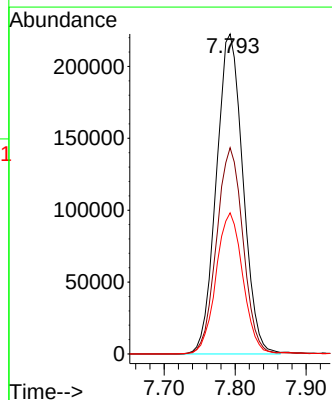
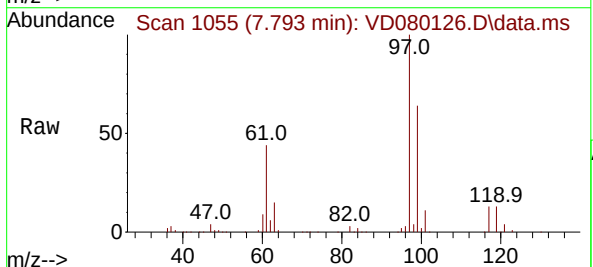


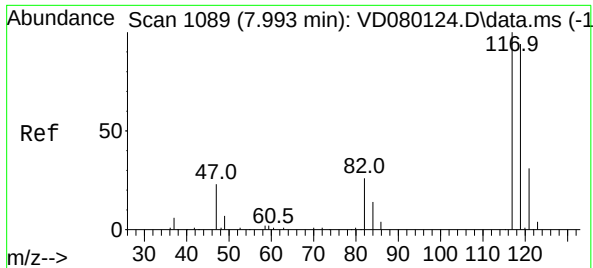
Tgt Ion: 56 Resp: 618702  
Ion Ratio Lower Upper  
56 100  
69 29.9 24.6 36.8  
84 85.0 68.7 103.1



#30  
1,1,1-Trichloroethane  
Concen: 94.183 ug/L  
RT: 7.793 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 97 Resp: 578511  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.3 76.9  
61 44.5 35.8 53.8

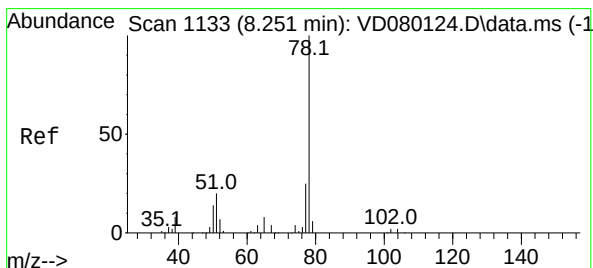
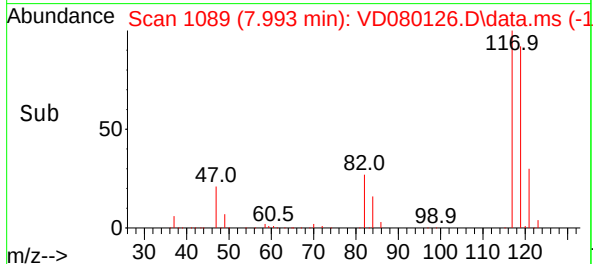
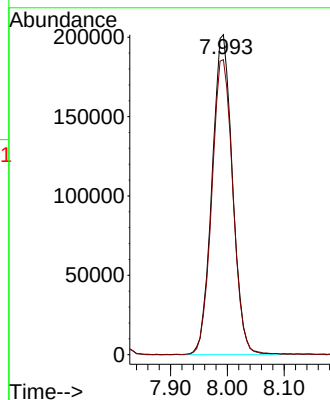
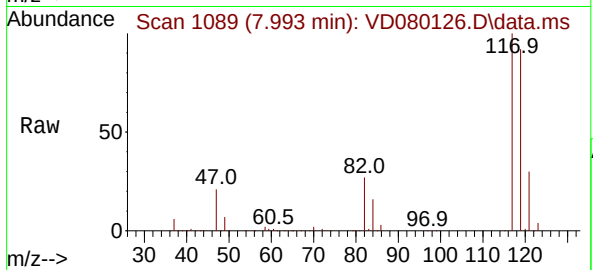




#31  
Carbon tetrachloride  
Concen: 99.183 ug/L  
RT: 7.993 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

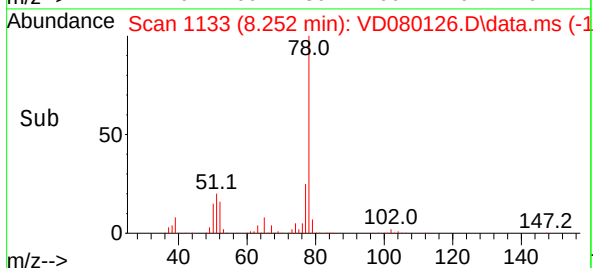
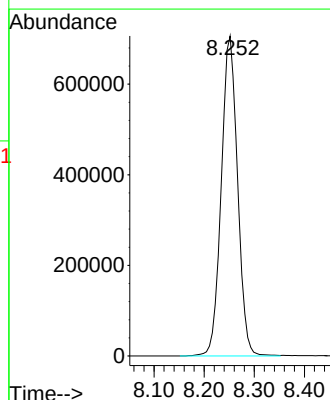
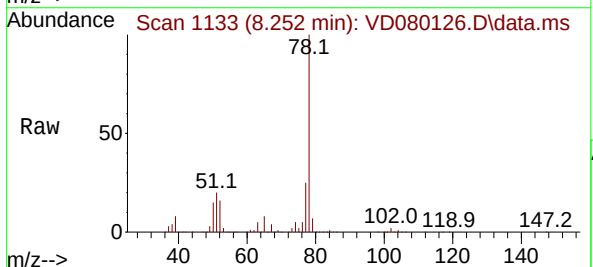
Instrument :  
MSVOA\_D  
ClientSampleId :

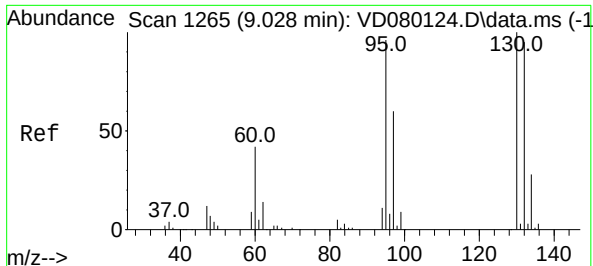
Tgt Ion:117 Resp: 504956  
Ion Ratio Lower Upper  
117 100  
119 94.6 76.8 115.2



#33  
Benzene  
Concen: 104.087 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 78 Resp: 1594556

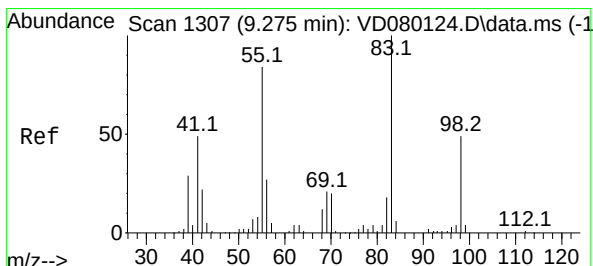
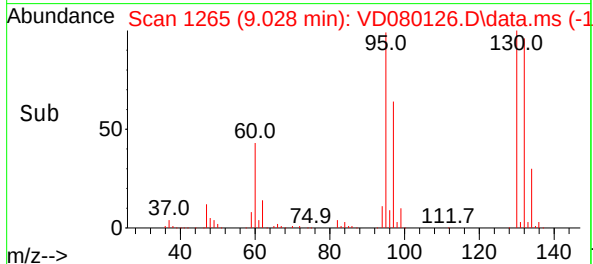
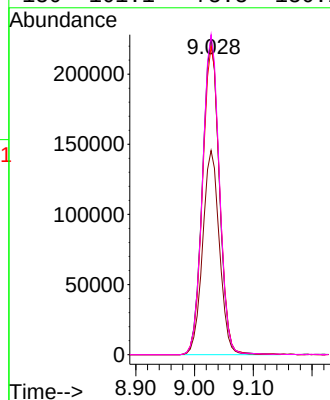
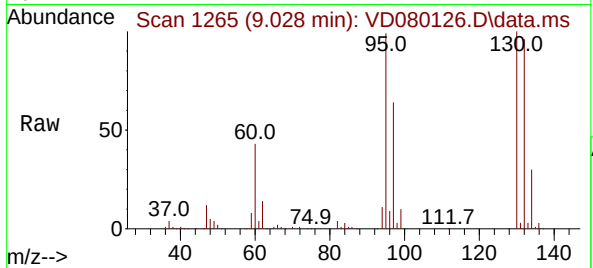




#34  
Trichloroethene  
Concen: 107.854 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

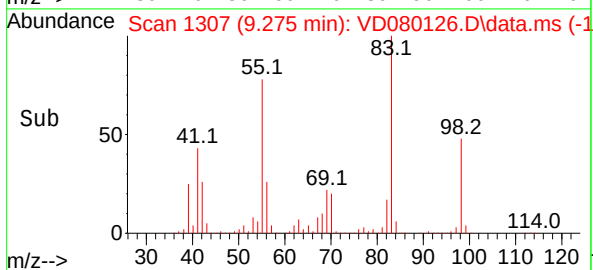
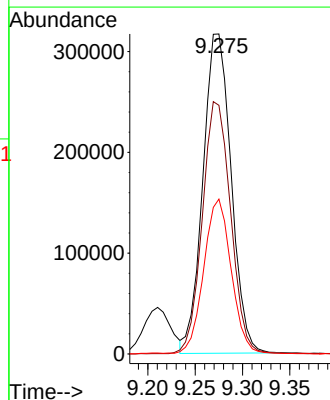
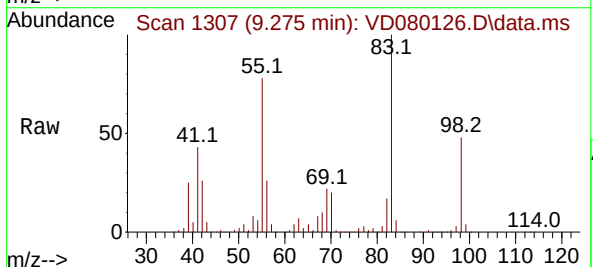
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 449066  
Ion Ratio Lower Upper  
95 100  
97 64.5 43.7 81.1  
132 97.4 69.4 129.0  
130 101.1 73.3 136.1

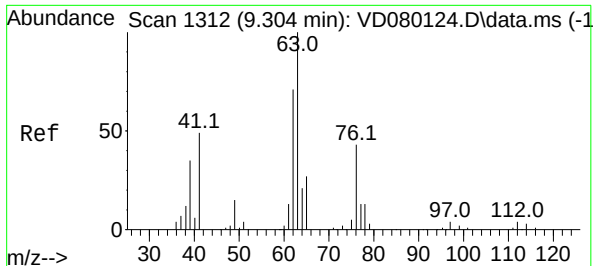


#35  
Methylcyclohexane  
Concen: 106.837 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 83 Resp: 657098  
Ion Ratio Lower Upper  
83 100  
55 79.2 63.8 95.8  
98 47.4 37.6 56.4



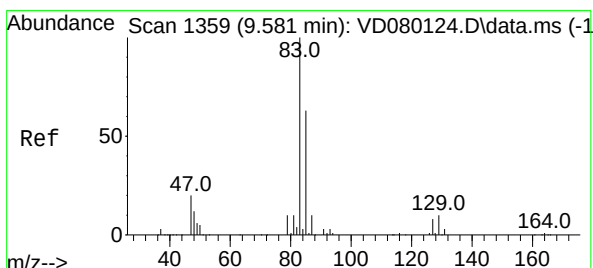
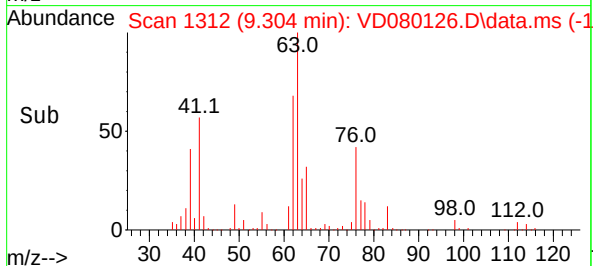
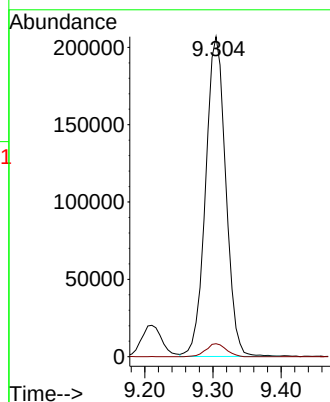
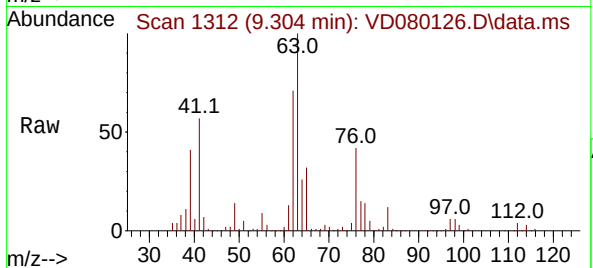




#37  
1,2-Dichloropropane  
Concen: 96.931 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

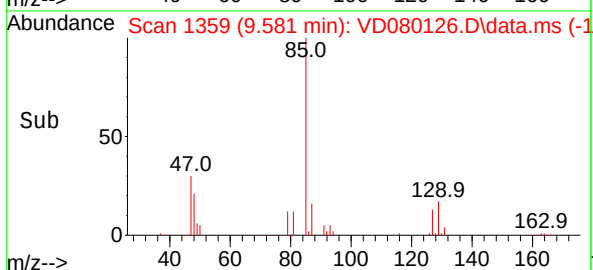
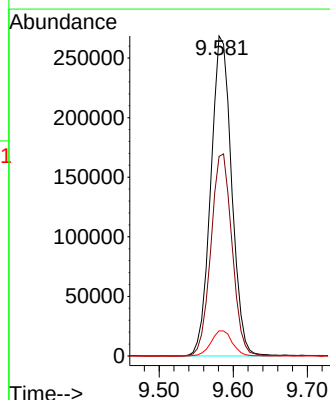
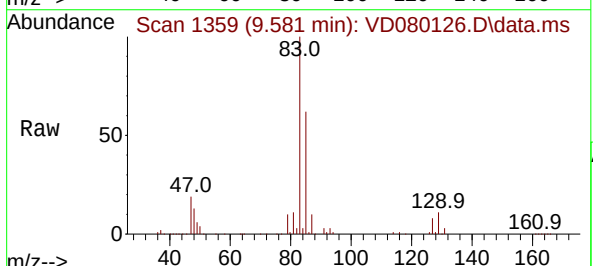
Instrument :  
MSVOA\_D  
ClientSampleId :

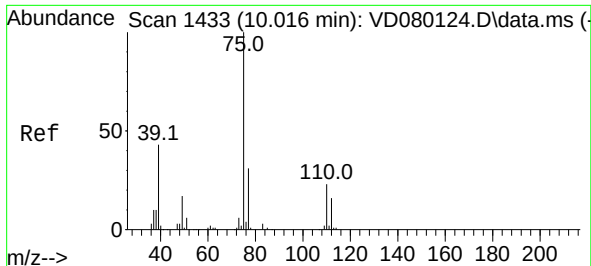
Tgt Ion: 63 Resp: 425467  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.5 5.3



#38  
Bromodichloromethane  
Concen: 94.805 ug/L  
RT: 9.581 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion: 83 Resp: 524673  
Ion Ratio Lower Upper  
83 100  
85 62.4 44.3 82.3  
127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 107.681 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

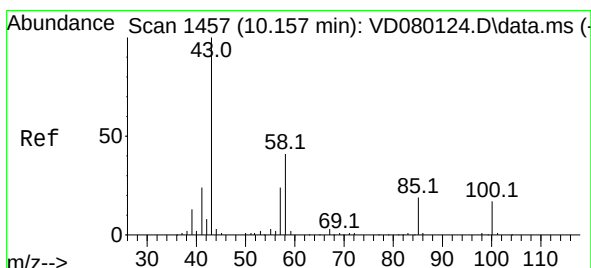
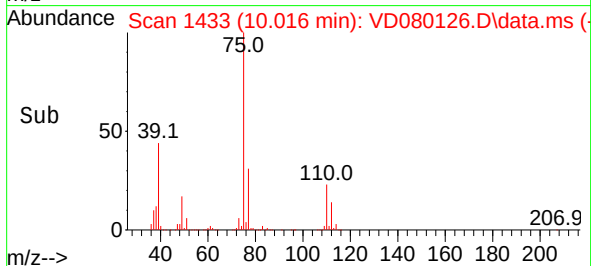
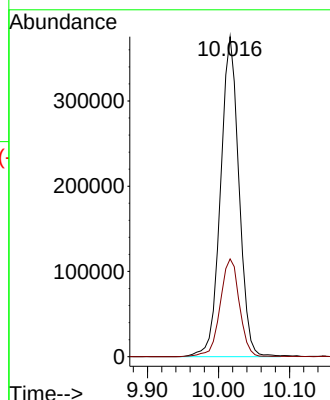
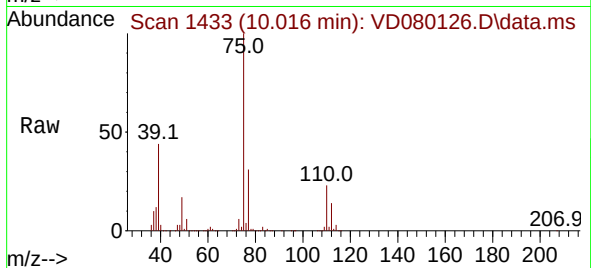
ClientSampleId :

Tgt Ion: 75 Resp: 674513

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 217.545 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

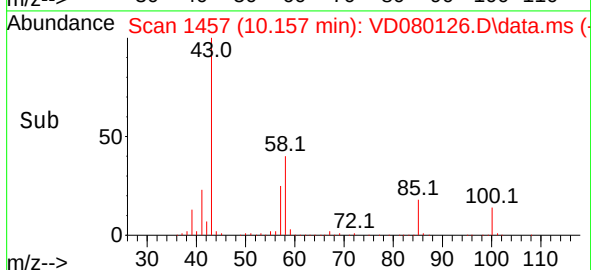
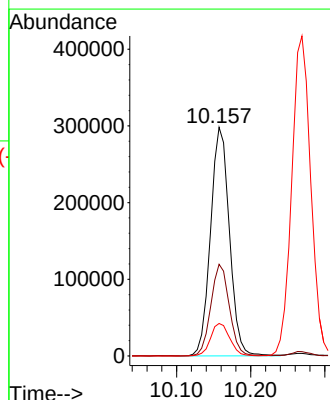
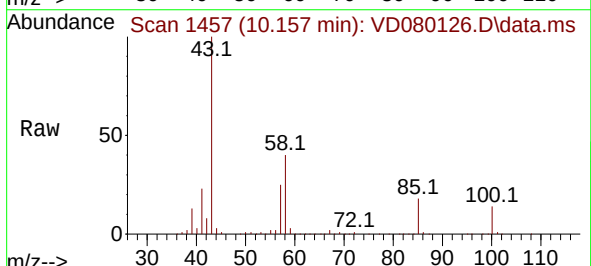
Tgt Ion: 43 Resp: 527977

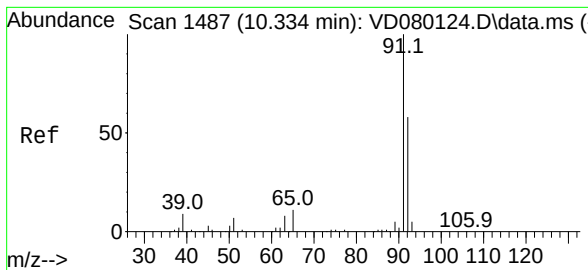
Ion Ratio Lower Upper

43 100

58 39.4 32.1 48.1

100 14.5 12.6 19.0





#42

Toluene

Concen: 104.900 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

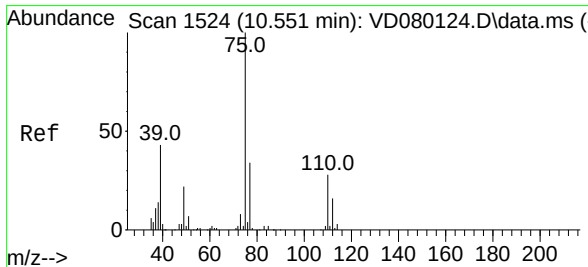
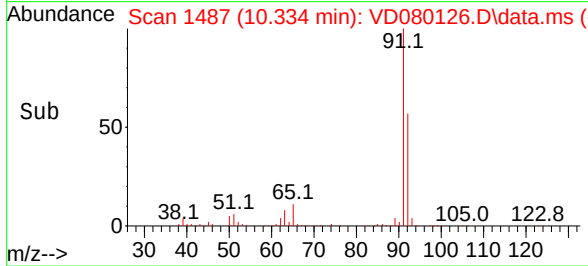
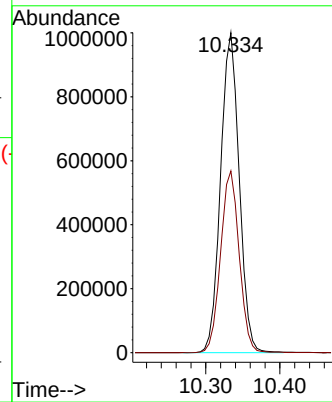
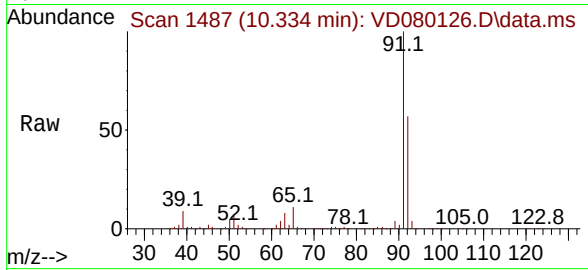
ClientSampleId :

Tgt Ion: 91 Resp: 1743445

Ion Ratio Lower Upper

91 100

92 56.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 111.941 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080126.D

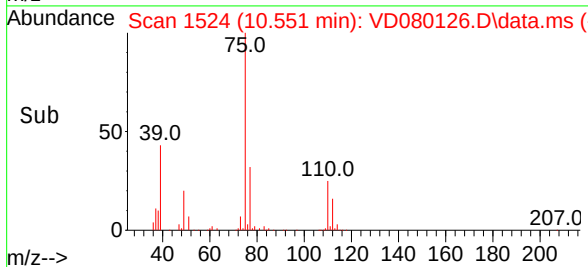
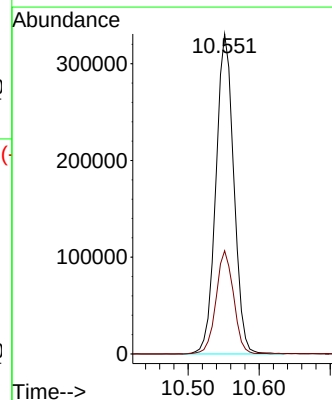
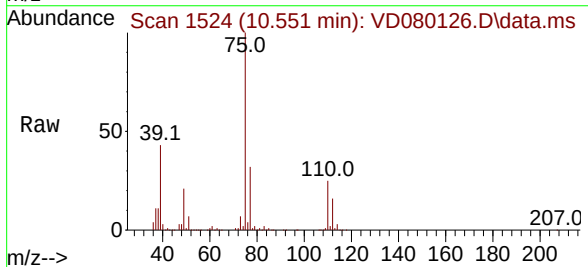
Acq: 11 Dec 2024 11:20

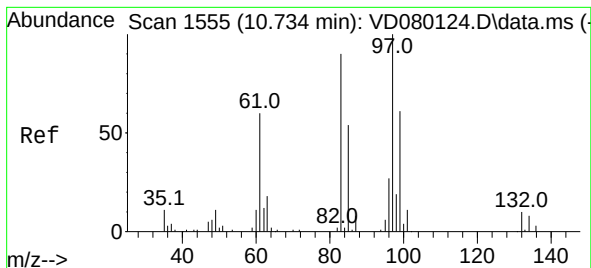
Tgt Ion: 75 Resp: 577626

Ion Ratio Lower Upper

75 100

77 32.2 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 100.069 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 97 Resp: 315897

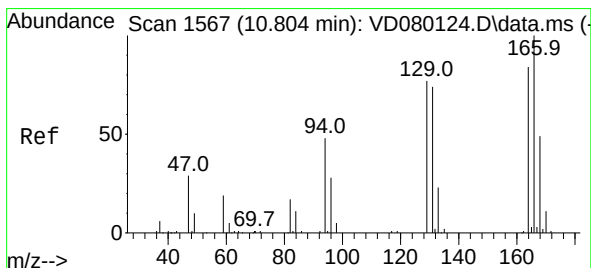
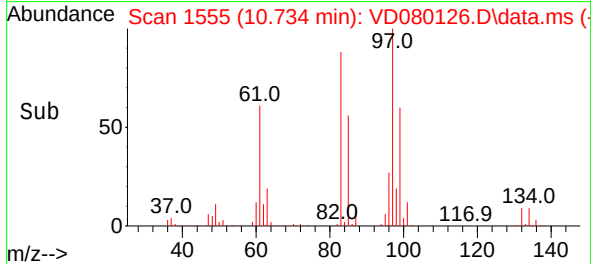
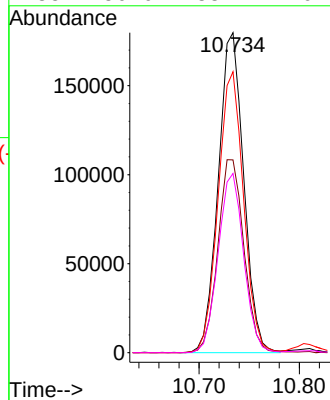
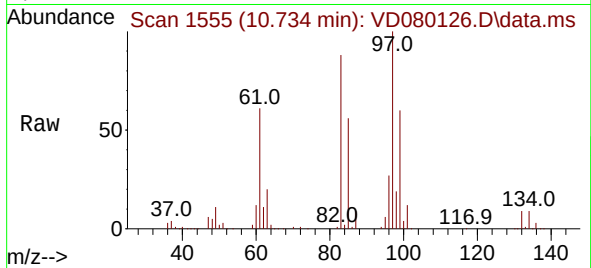
Ion Ratio Lower Upper

97 100

99 60.3 42.5 78.9

83 87.8 63.1 117.1

85 56.0 38.1 70.7



#46

Tetrachloroethene

Concen: 108.142 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Tgt Ion:164 Resp: 311839

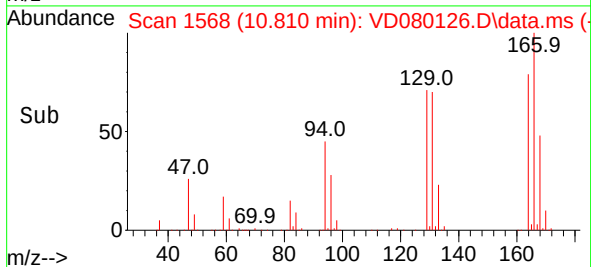
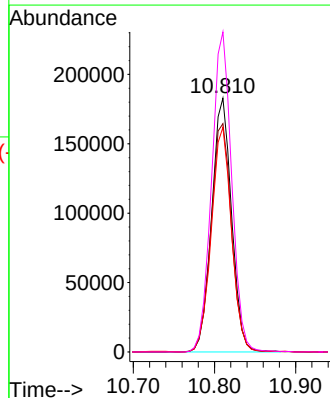
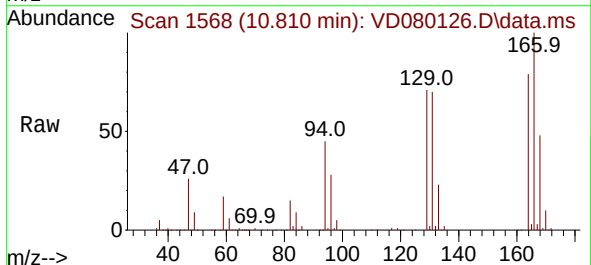
Ion Ratio Lower Upper

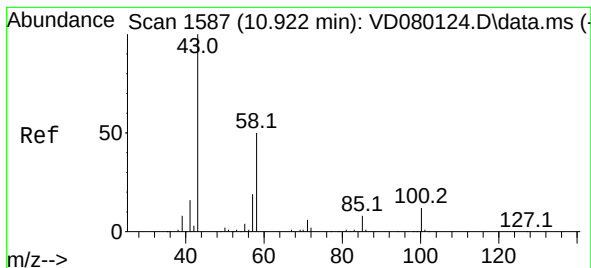
164 100

129 90.0 64.4 119.6

131 88.6 61.6 114.4

166 126.1 83.3 154.7





#48

2-Hexanone

Concen: 234.639 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

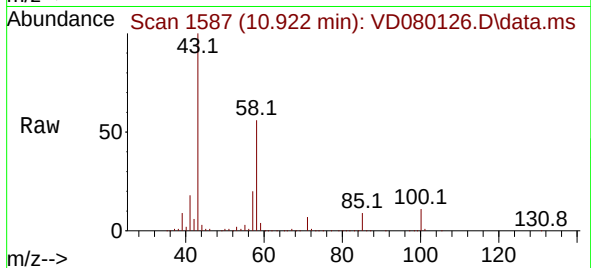
Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 43 Resp: 454225

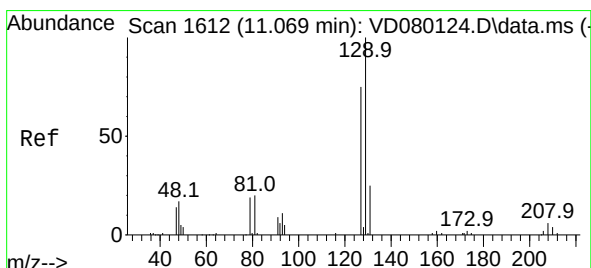
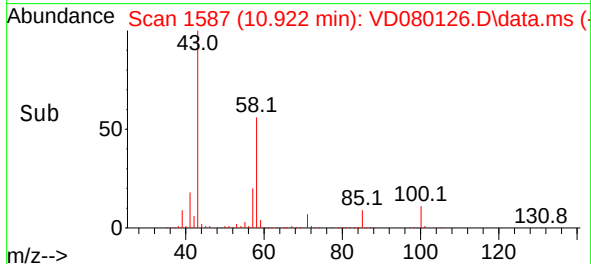
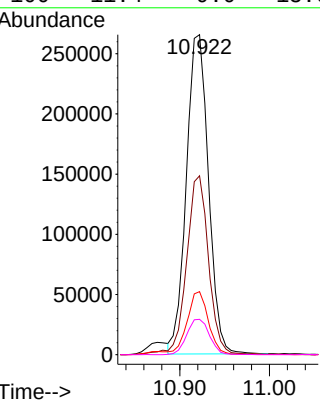
Ion Ratio Lower Upper

43 100

58 55.7 41.8 62.6

57 18.8 14.8 22.2

100 11.4 9.0 13.6



#49

Dibromochloromethane

Concen: 104.775 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.006 min

Lab File: VD080126.D

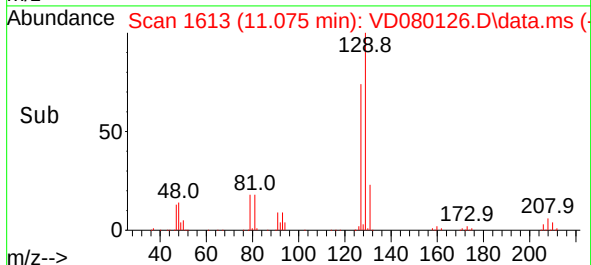
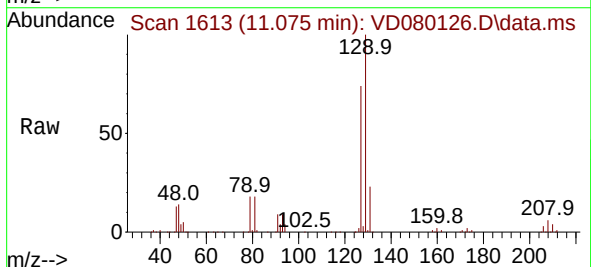
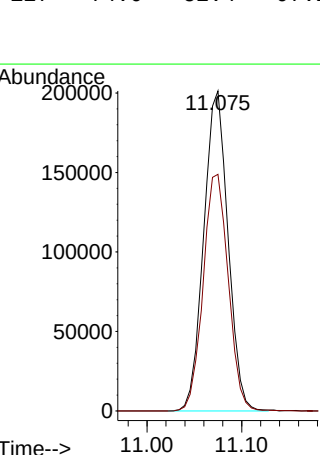
Acq: 11 Dec 2024 11:20

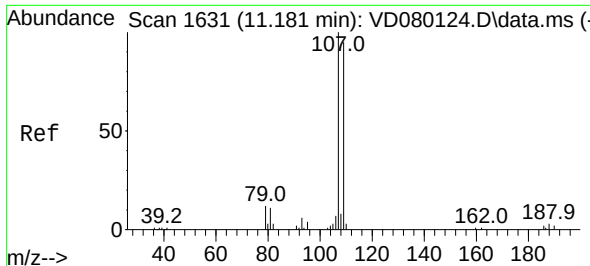
Tgt Ion:129 Resp: 359051

Ion Ratio Lower Upper

129 100

127 74.0 52.4 97.2

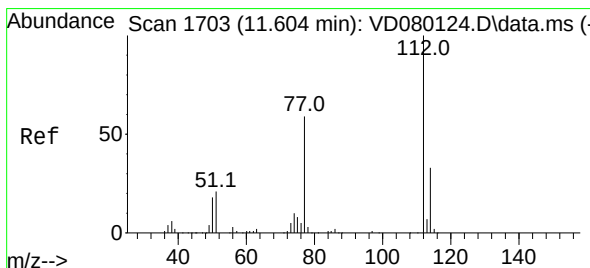
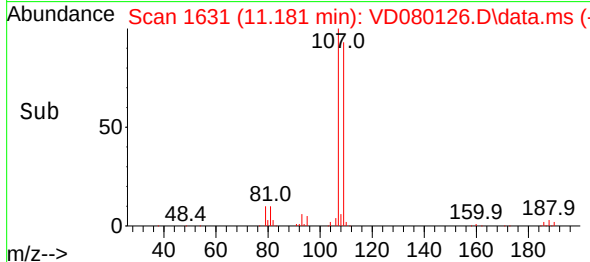
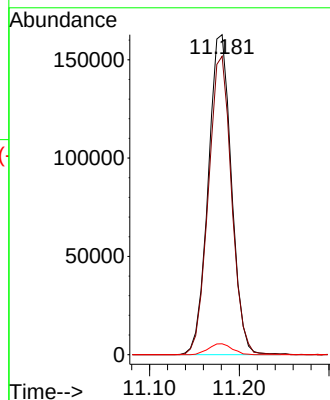
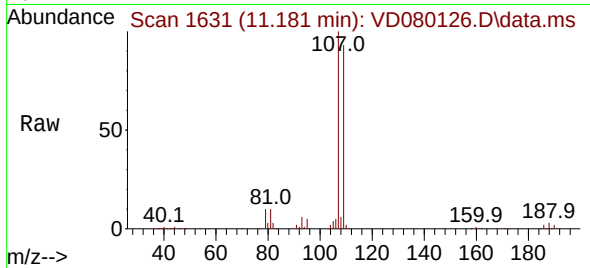




#50  
1,2-Dibromoethane  
Concen: 104.375 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

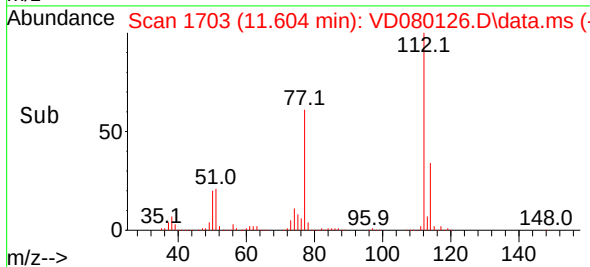
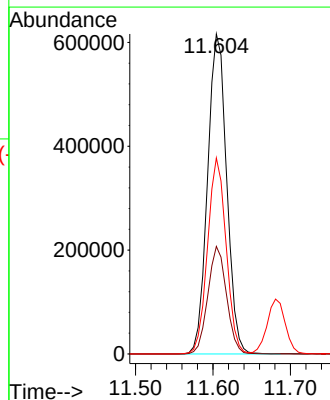
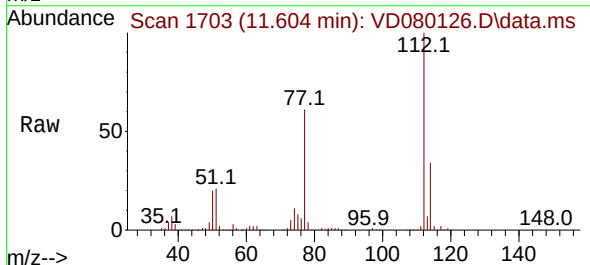
Instrument :  
MSVOA\_D  
ClientSampleId :

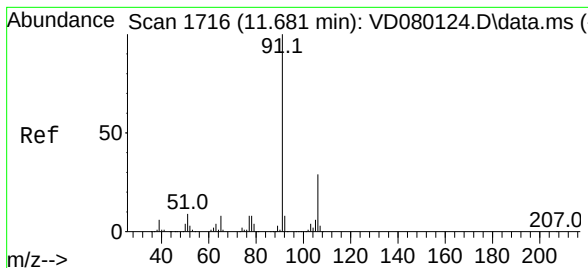
Tgt Ion:107 Resp: 292159  
Ion Ratio Lower Upper  
107 100  
109 93.3 66.2 123.0  
188 3.4 2.8 4.2



#51  
Chlorobenzene  
Concen: 105.927 ug/L  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:112 Resp: 1053710  
Ion Ratio Lower Upper  
112 100  
114 33.6 23.3 43.3  
77 61.3 47.8 71.8

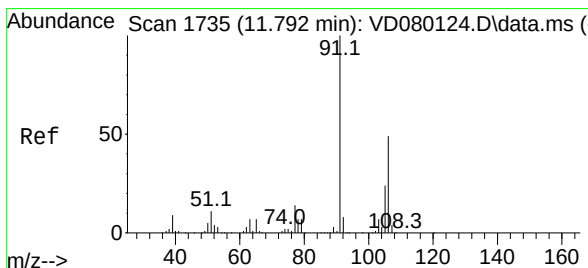
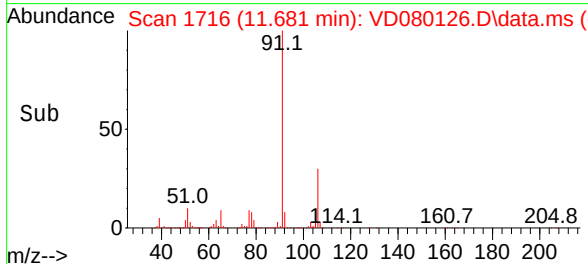
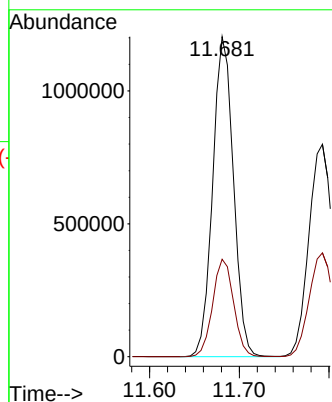
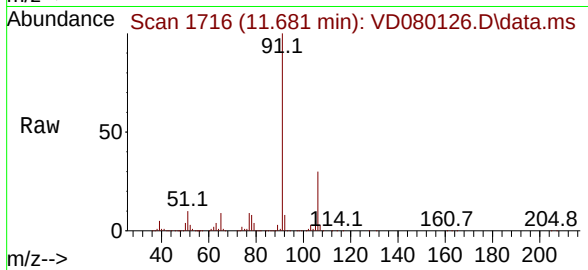




#52  
Ethylbenzene  
Concen: 117.168 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

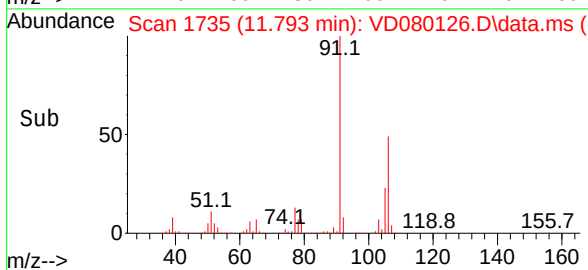
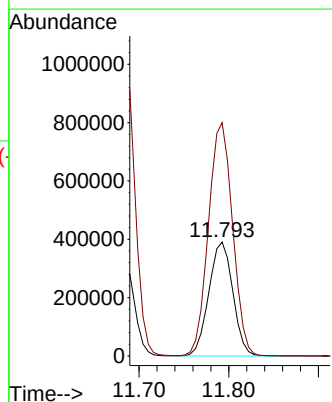
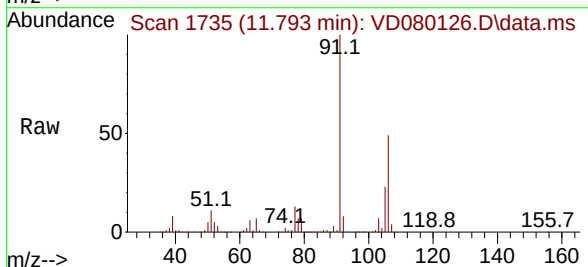
Instrument :  
MSVOA\_D  
ClientSampleId :

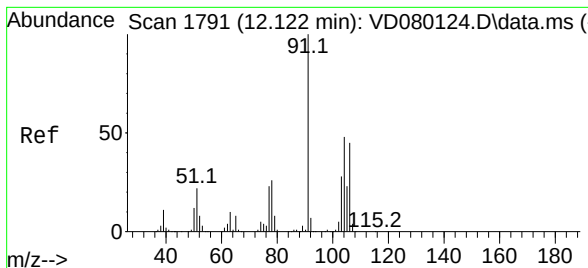
Tgt Ion: 91 Resp: 1933751  
Ion Ratio Lower Upper  
91 100  
106 30.5 20.0 37.2



#53  
m,p-Xylene  
Concen: 114.895 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:106 Resp: 724983  
Ion Ratio Lower Upper  
106 100  
91 204.7 143.5 266.5

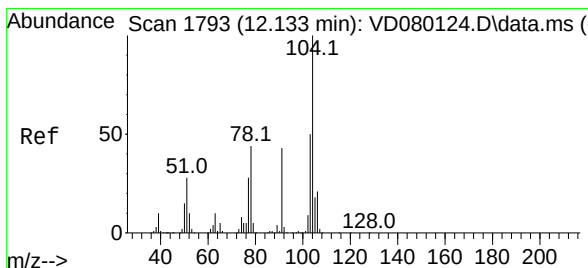
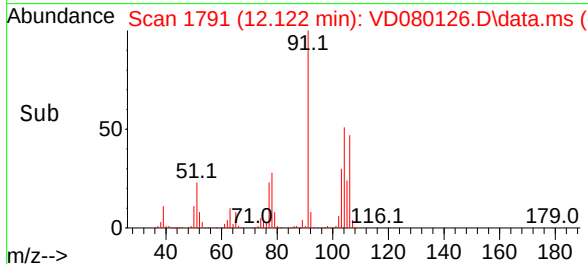
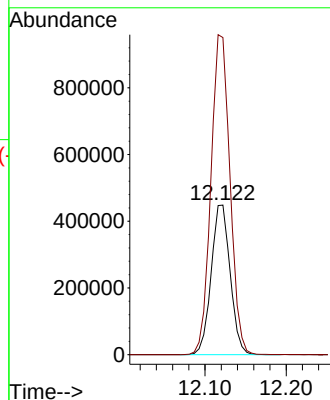
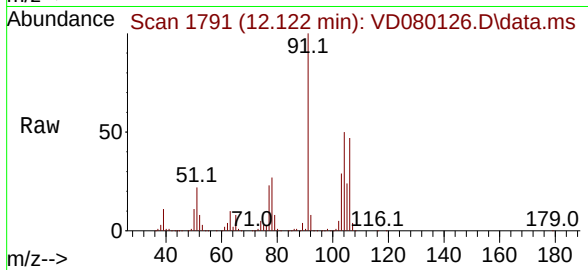




#54  
o-Xylene  
Concen: 120.248 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

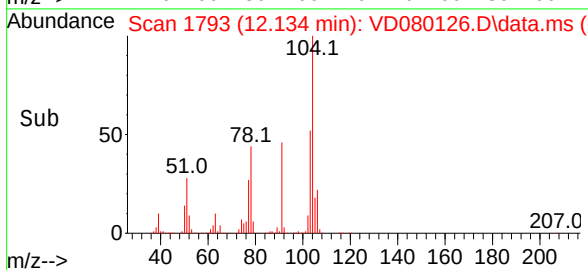
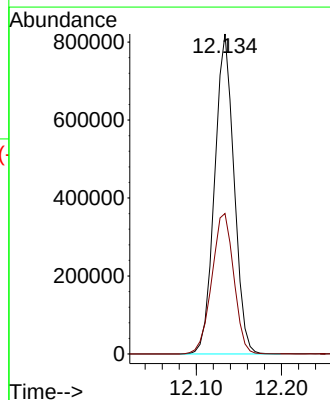
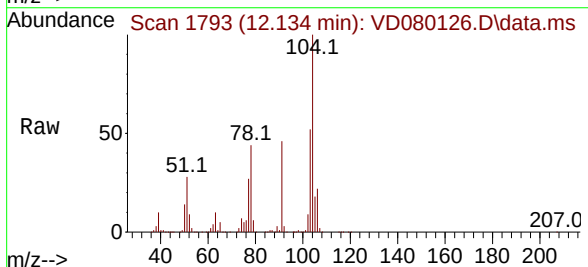
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:106 Resp: 727963  
Ion Ratio Lower Upper  
106 100  
91 212.0 155.8 289.4

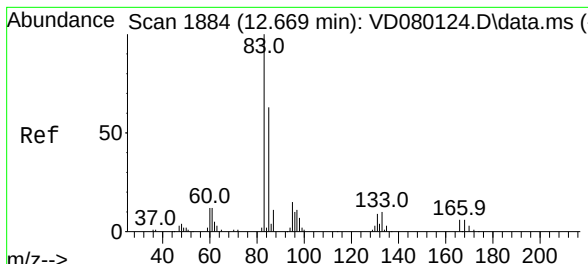


#55  
Styrene  
Concen: 118.861 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:104 Resp: 1302428  
Ion Ratio Lower Upper  
104 100  
78 43.9 31.2 58.0



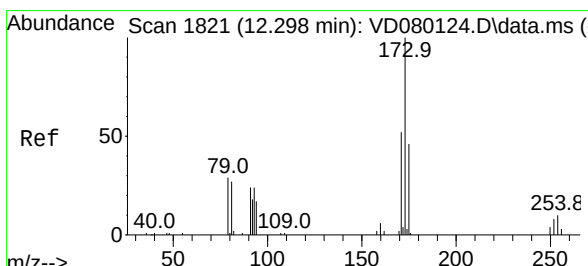
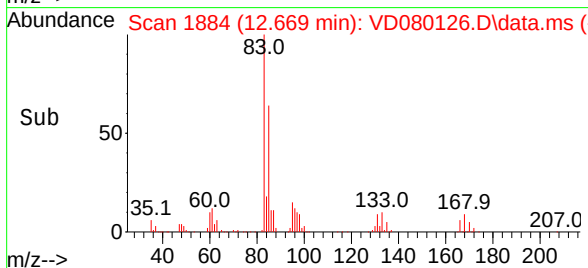
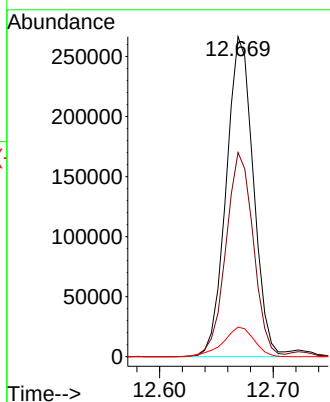
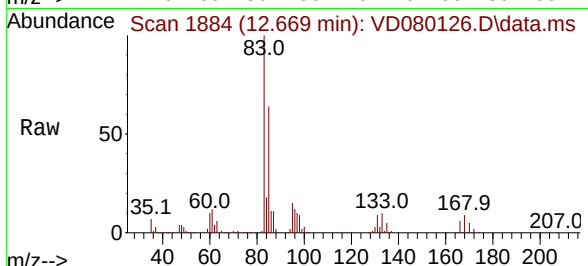




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 109.769 ug/L  
 RT: 12.669 min Scan# 1884  
 Delta R.T. 0.000 min  
 Lab File: VD080126.D  
 Acq: 11 Dec 2024 11:20

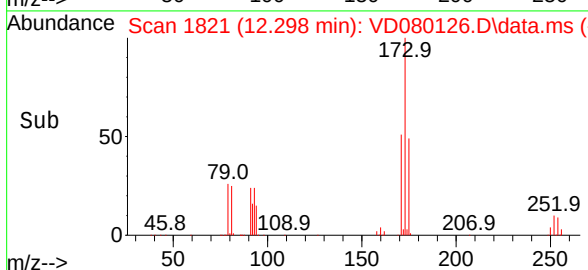
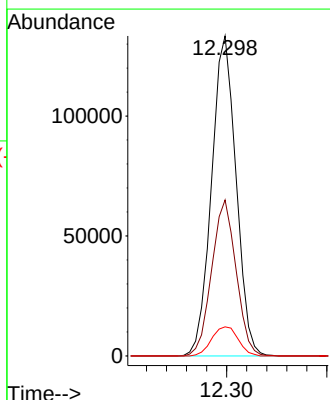
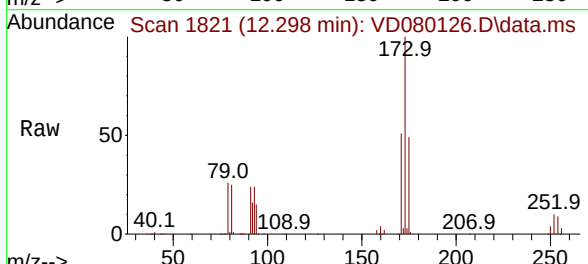
Instrument :  
 MSVOA\_D  
 ClientSampleId :

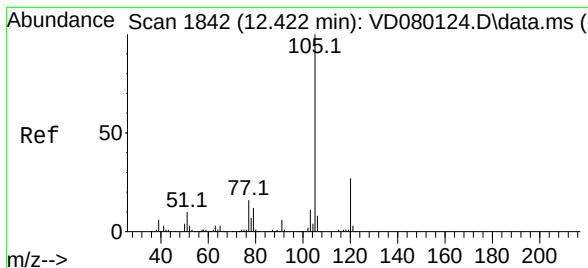
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 441491 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.8  | 44.2  | 82.2   |
| 131      | 9.3   | 7.1   | 10.7   |



#59  
 Bromoform  
 Concen: 104.031 ug/L  
 RT: 12.298 min Scan# 1821  
 Delta R.T. 0.000 min  
 Lab File: VD080126.D  
 Acq: 11 Dec 2024 11:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 173   | Resp: | 226483 |
| Ion      | Ratio | Lower | Upper  |
| 173      | 100   |       |        |
| 175      | 48.5  | 38.2  | 57.4   |
| 254      | 9.9   | 8.5   | 12.7   |





#60

Isopropylbenzene

Concen: 119.856 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :

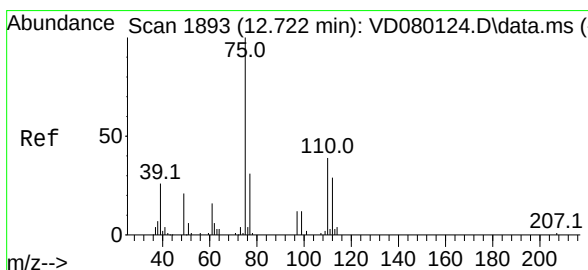
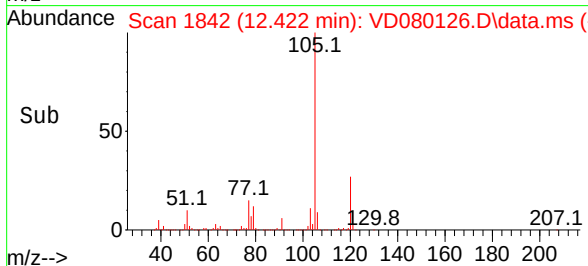
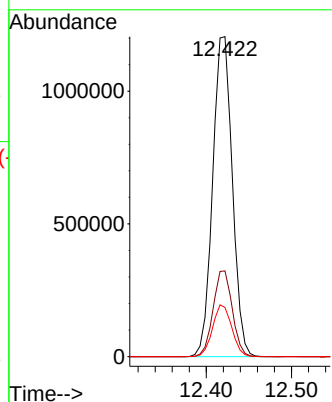
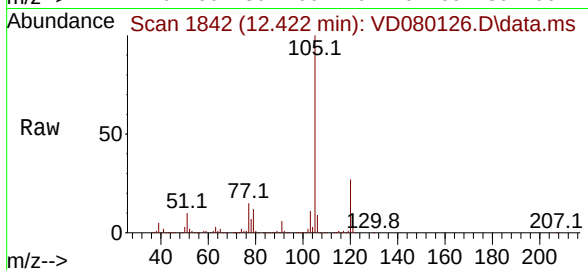
Tgt Ion:105 Resp: 1930867

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

77 15.9 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 108.397 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

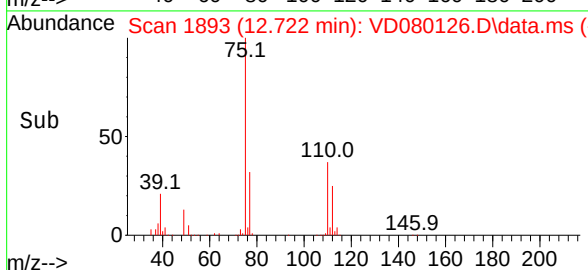
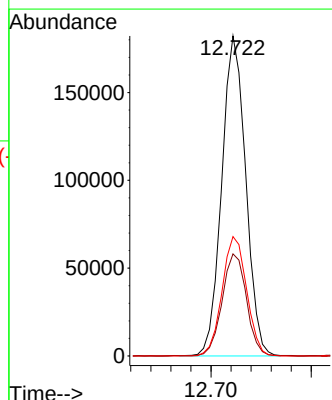
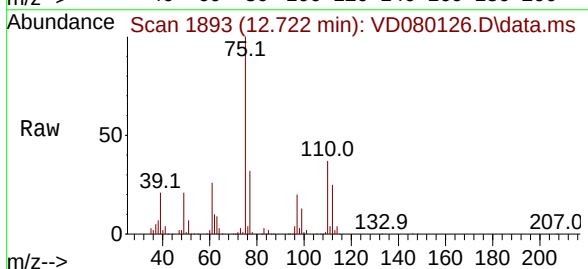
Tgt Ion: 75 Resp: 302586

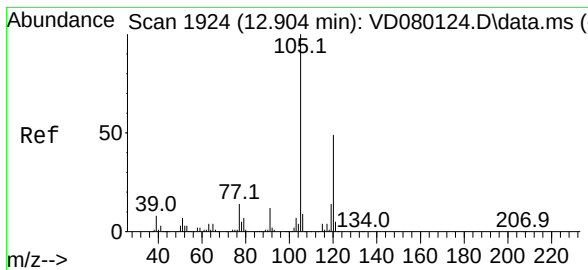
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

110 38.1 30.2 45.2

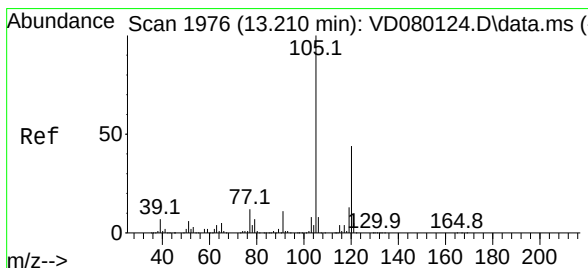
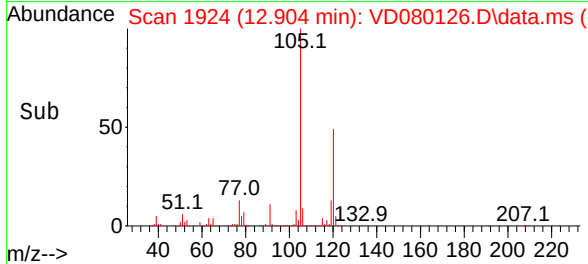
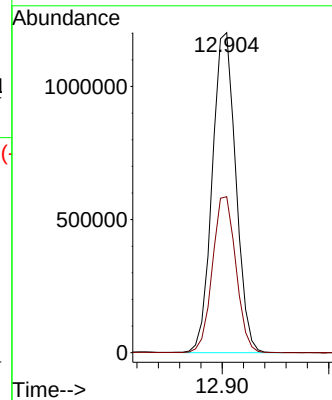
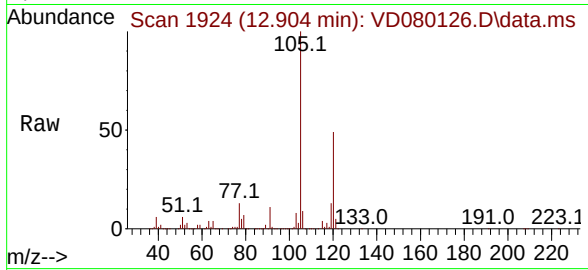




#62  
1,3,5-Trimethylbenzene  
Concen: 137.685 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

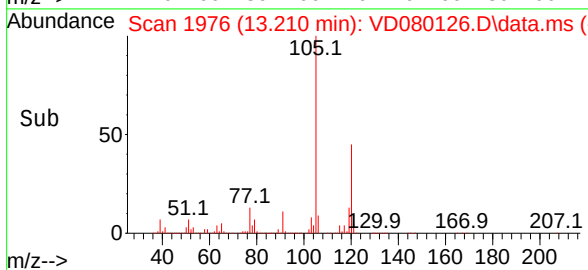
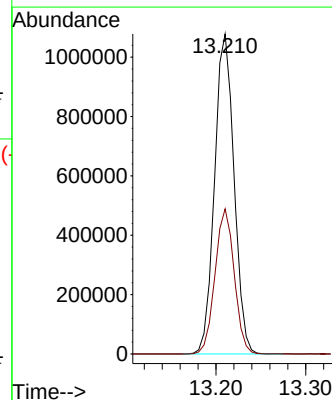
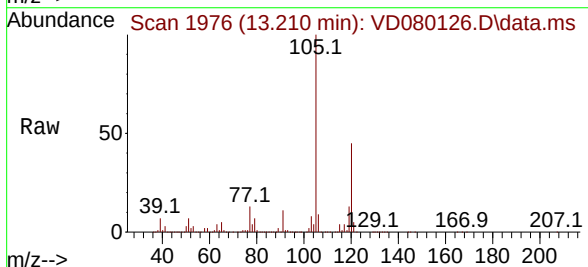
Instrument :  
MSVOA\_D  
ClientSampleId :

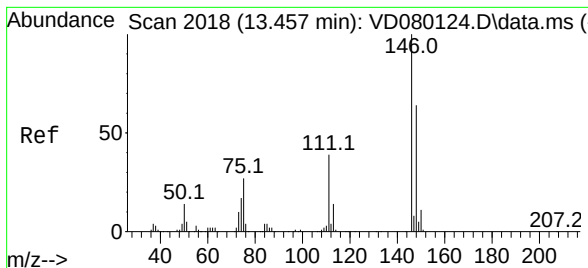
Tgt Ion:105 Resp: 1849265  
Ion Ratio Lower Upper  
105 100  
120 48.7 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 127.003 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:105 Resp: 1622953  
Ion Ratio Lower Upper  
105 100  
120 44.7 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 110.039 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :

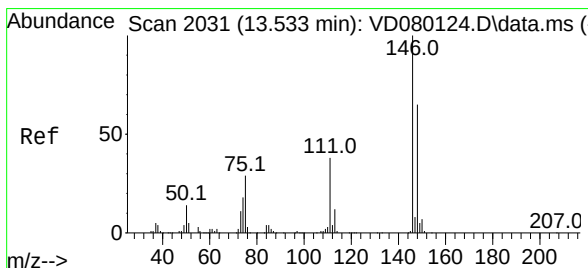
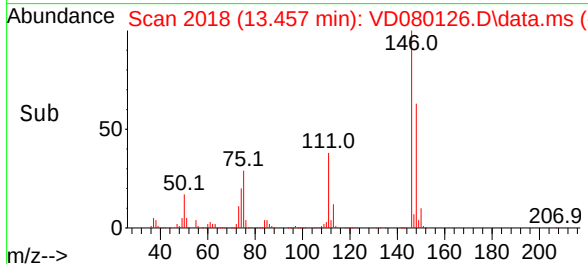
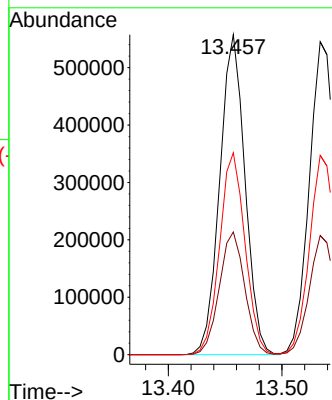
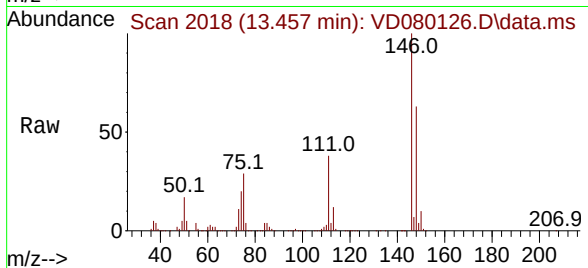
Tgt Ion:146 Resp: 862283

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

148 63.1 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 105.194 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

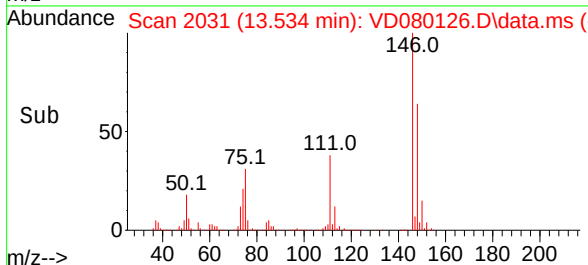
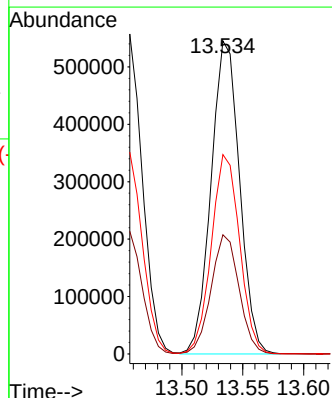
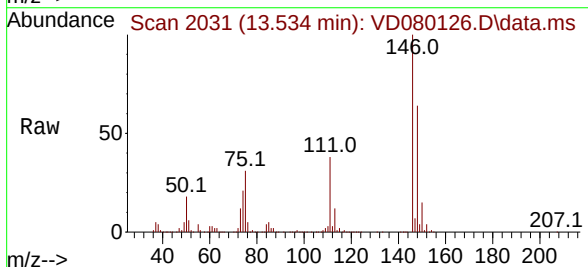
Tgt Ion:146 Resp: 888634

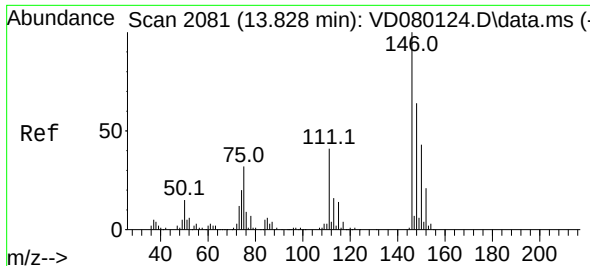
Ion Ratio Lower Upper

146 100

111 38.1 27.0 50.2

148 63.7 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 106.912 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :

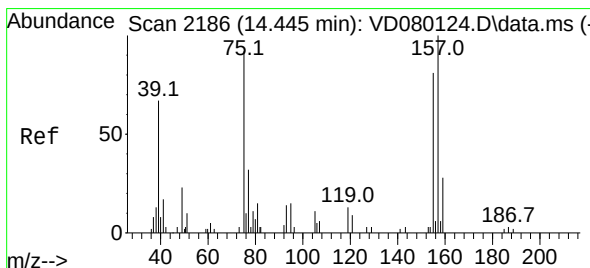
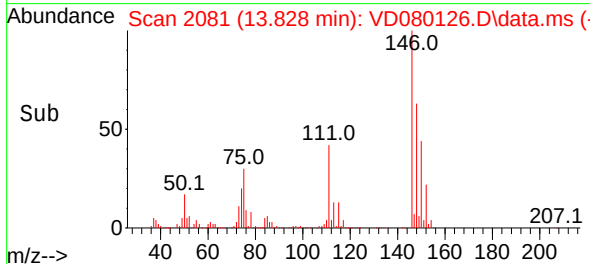
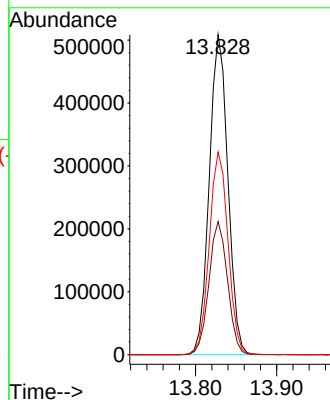
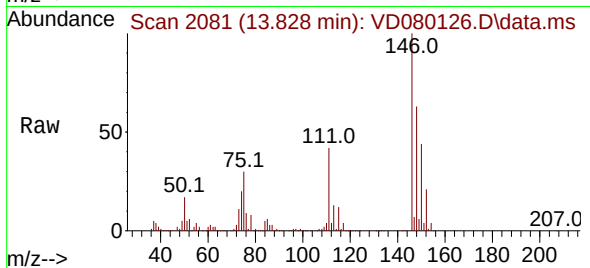
Tgt Ion:146 Resp: 808980

Ion Ratio Lower Upper

146 100

111 41.6 32.8 49.2

148 63.3 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 105.268 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

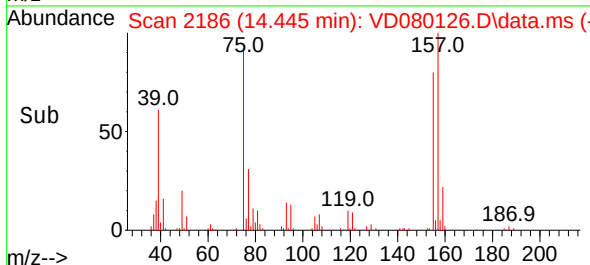
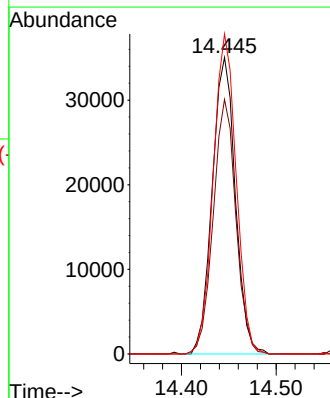
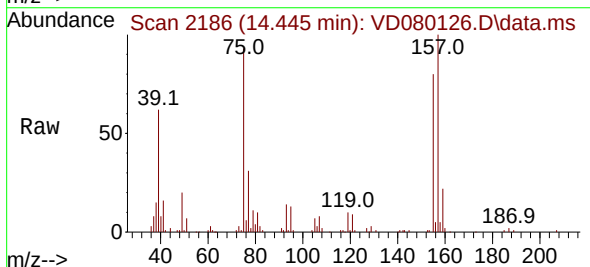
Tgt Ion: 75 Resp: 59255

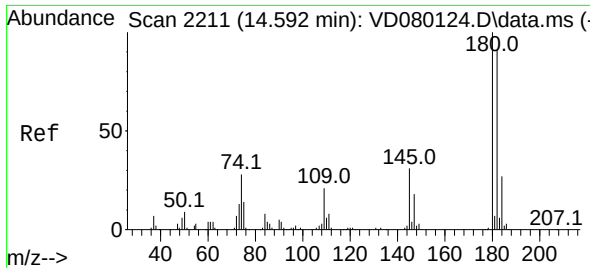
Ion Ratio Lower Upper

75 100

155 85.9 70.5 105.7

157 107.9 86.6 129.8





#69

1,3,5-Trichlorobenzene

Concen: 110.382 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

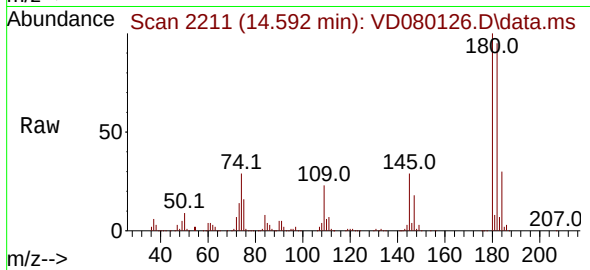
Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 597507

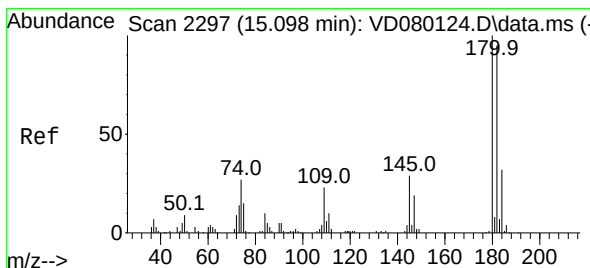
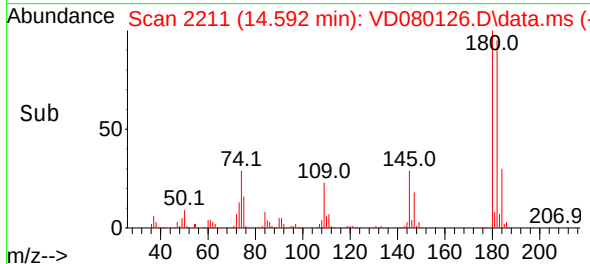
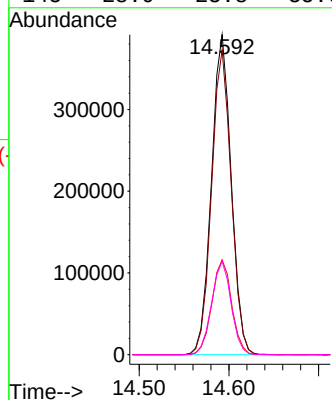
Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.6

184 29.7 23.4 35.2

145 28.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 116.755 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080126.D

Acq: 11 Dec 2024 11:20

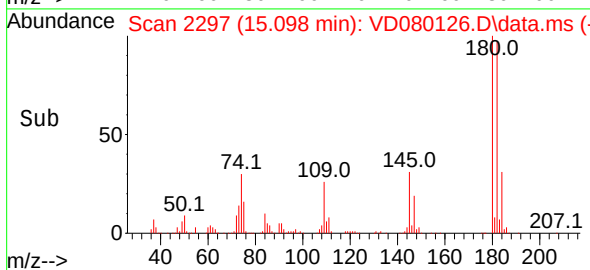
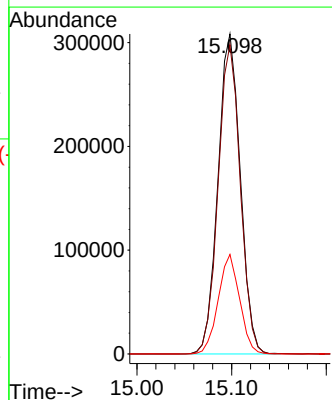
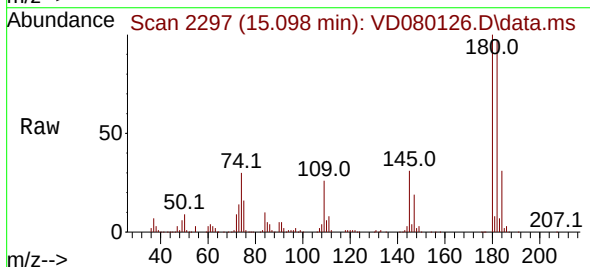
Tgt Ion:180 Resp: 505216

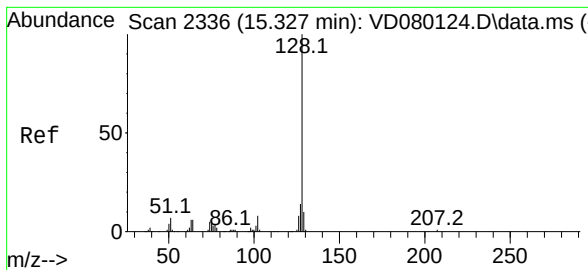
Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.4

145 29.8 23.4 35.2



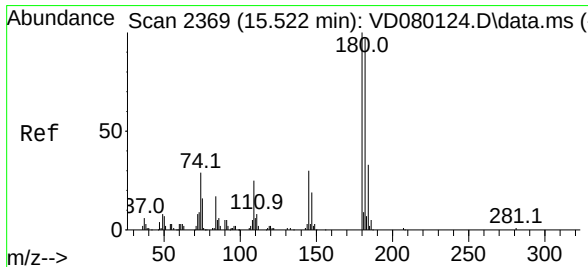
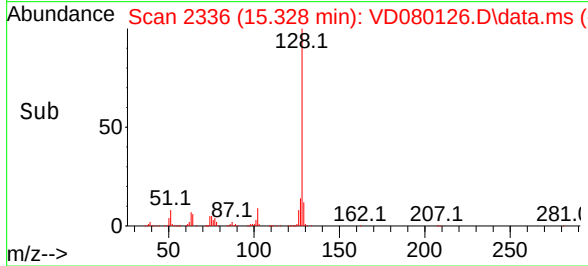
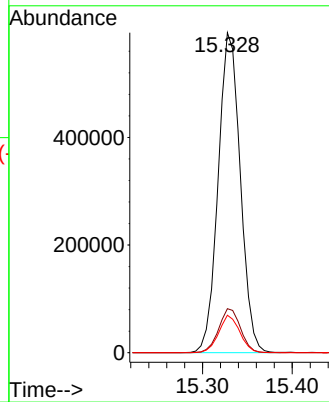
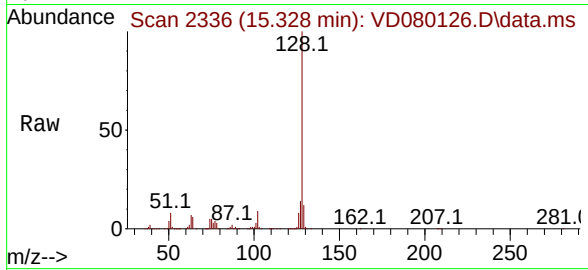


#71  
Naphthalene  
Concen: 123.993 ug/L  
RT: 15.328 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Instrument : MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 1019314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.6  | 11.2  | 16.8  |
| 129 | 11.1  | 8.6   | 13.0  |



#72  
1,2,3-Trichlorobenzene  
Concen: 106.761 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD080126.D  
Acq: 11 Dec 2024 11:20

Tgt Ion:180 Resp: 464936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 78.1  | 117.1 |
| 145 | 31.6  | 25.8  | 38.8  |

