

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121224\  
 Data File : VD080158.D  
 Acq On : 12 Dec 2024 21:45  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 13 02:06:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM121124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 13 02:01:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.781     | 114   | 167125   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.581    | 117   | 167433   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 90201    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.270     | 65    | 92787    | 34.835   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 139.360% |          |
| 7) Chloroethane-d5            | 2.799     | 69    | 84285    | 35.486   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 141.960% |          |
| 11) 1,1-Dichloroethene-d2     | 3.911     | 65    | 20542    | 20.092   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 80.360%  |          |
| 21) 2-Butanone-d5             | 6.993     | 46    | 30668    | 51.566   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 103.140% |          |
| 24) Chloroform-d              | 7.569     | 84    | 111064   | 24.069   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 96.280%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.234     | 65    | 62029    | 25.402   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 101.600% |          |
| 32) Benzene-d6                | 8.204     | 84    | 211075   | 21.215   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 84.880%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.210     | 67    | 69962    | 20.710   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 82.840%  |          |
| 41) Toluene-d8                | 10.269    | 98    | 191343   | 20.357   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 81.440%  |          |
| 43) trans-1,3-Dichloroprop... | 10.522    | 79    | 28545    | 20.637   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 82.560%  |          |
| 47) 2-Hexanone-d5             | 10.875    | 63    | 23403    | 45.806   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 91.620%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651    | 84    | 66457    | 22.988   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 91.960%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816    | 152   | 67448    | 20.710   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 82.840%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.934     | 85    | 70181    | 22.781   | ug/L       | 99       |
| 3) Chloromethane              | 2.152     | 50    | 114879   | 47.448   | ug/L       | 98       |
| 5) Vinyl chloride             | 2.281     | 62    | 140674   | 42.025   | ug/L       | 97       |
| 6) Bromomethane               | 2.693     | 94    | 72616    | 32.550   | ug/L       | 98       |
| 8) Chloroethane               | 2.834     | 64    | 92212    | 41.323   | ug/L       | 97       |
| 9) Trichlorofluoromethane     | 3.169     | 101   | 105049   | 21.505   | ug/L       | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969     | 101   | 59352    | 20.501   | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 3.934     | 96    | 51471    | 20.367   | ug/L       | 92       |
| 13) Acetone                   | 4.022     | 43    | 37355    | 37.058   | ug/L       | 99       |
| 14) Carbon disulfide          | 4.269     | 76    | 194662   | 23.743   | ug/L       | 98       |
| 15) Methyl Acetate            | 4.564     | 43    | 30112    | 25.352   | ug/L       | 98       |
| 16) Methylene chloride        | 4.799     | 84    | 70258    | 24.471   | ug/L       | 95       |
| 17) trans-1,2-Dichloroethene  | 5.311     | 96    | 58712    | 22.947   | ug/L       | 96       |
| 18) Methyl tert-butyl Ether   | 5.322     | 73    | 126799   | 23.038   | ug/L #     | 99       |
| 19) 1,1-Dichloroethane        | 6.111     | 63    | 119043   | 24.396   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.081     | 96    | 66638    | 24.235   | ug/L       | 90       |
| 22) 2-Butanone                | 7.081     | 43    | 42260    | 42.402   | ug/L       | 85       |
| 23) Bromochloromethane        | 7.434     | 128   | 31328    | 23.375   | ug/L       | 96       |
| 25) Chloroform                | 7.599     | 83    | 126924   | 23.005   | ug/L       | 98       |

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 Sample : VSTDCCC025EC  
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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 13 02:06:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM121124SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 13 02:01:12 2024  
 Response via : Initial Calibration

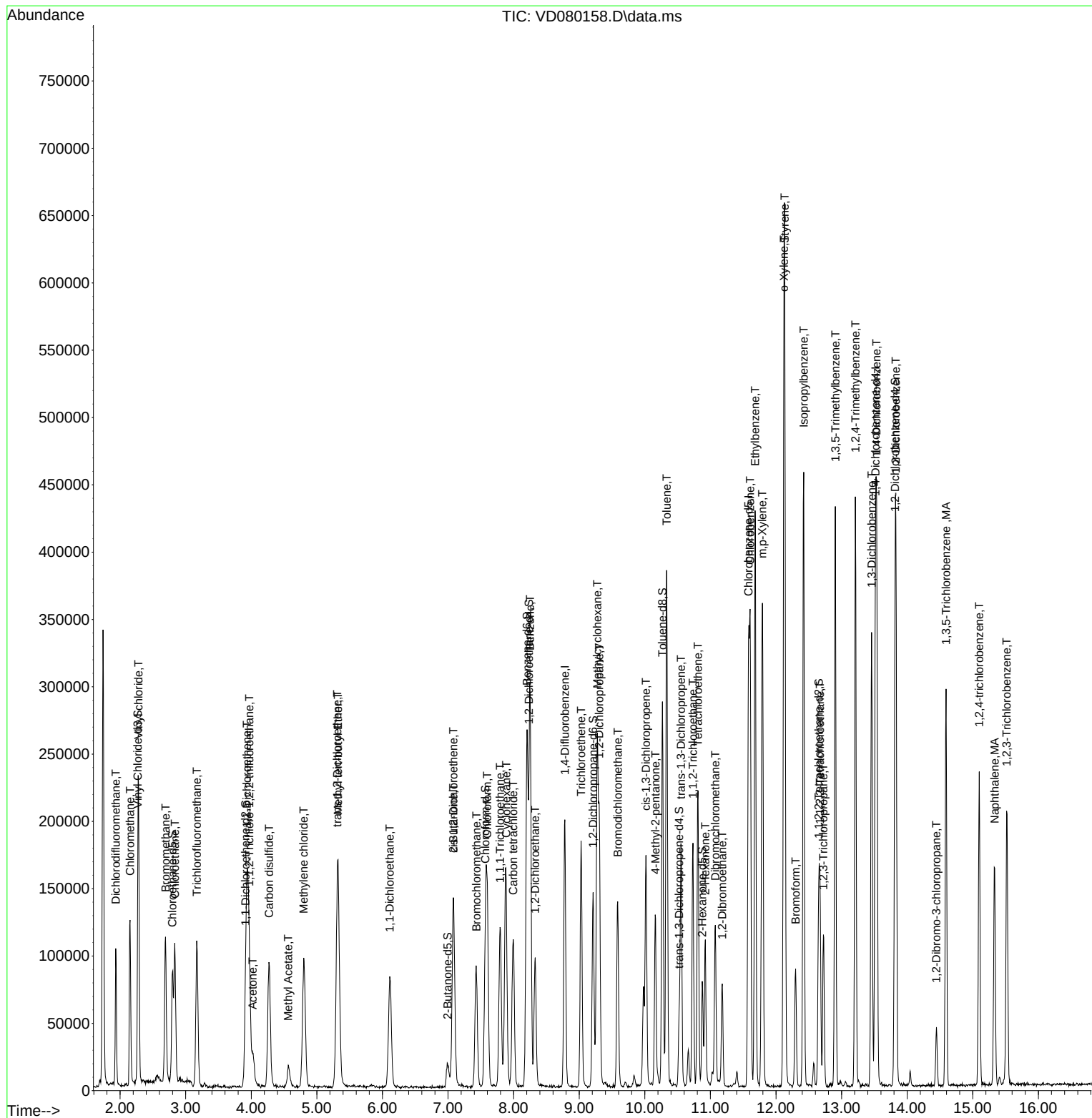
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 85567    | 27.119 | ug/L # | 94       |
| 29) Cyclohexane               | 7.887  | 56   | 83876    | 21.046 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 98147    | 20.242 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 84820    | 21.105 | ug/L   | 100      |
| 33) Benzene                   | 8.252  | 78   | 267724   | 22.139 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 64221    | 19.540 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.275  | 83   | 93916    | 20.386 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 76019    | 21.940 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 92213    | 21.108 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 102952   | 20.821 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 84180    | 43.939 | ug/L   | 97       |
| 42) Toluene                   | 10.334 | 91   | 283738   | 21.627 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 94439    | 23.185 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 56143    | 22.530 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.810 | 164  | 51473    | 22.613 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 67228    | 42.959 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.075 | 129  | 61469    | 22.723 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 50995    | 23.079 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.604 | 112  | 171998   | 21.904 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.681 | 91   | 296486   | 22.757 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.793 | 106  | 113423   | 22.771 | ug/L   | 98       |
| 54) o-Xylene                  | 12.122 | 106  | 107352   | 22.464 | ug/L   | 93       |
| 55) Styrene                   | 12.134 | 104  | 203808   | 23.562 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 68349    | 21.528 | ug/L   | 96       |
| 59) Bromoform                 | 12.298 | 173  | 38938    | 22.442 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 280490   | 21.847 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 46431    | 21.789 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 216028   | 20.182 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 222019   | 21.801 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 137775   | 22.062 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 141745   | 21.055 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 126847   | 21.035 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 10370    | 23.116 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 87951    | 20.388 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 73308    | 21.258 | ug/L   | 99       |
| 71) Naphthalene               | 15.334 | 128  | 143845   | 21.956 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 72378    | 20.854 | ug/L   | 94       |

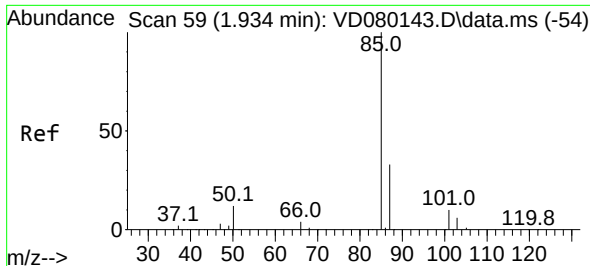
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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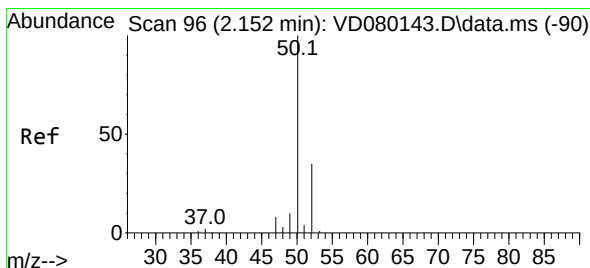
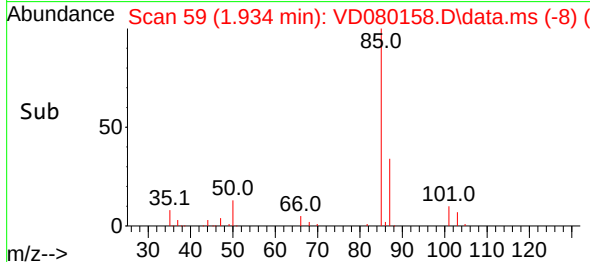
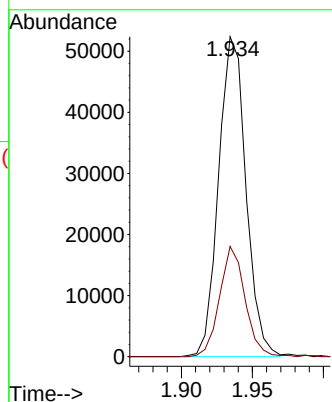
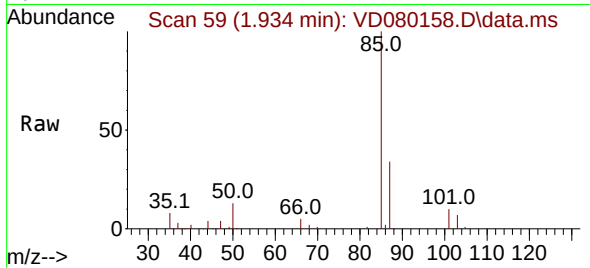




#2  
Dichlorodifluoromethane  
Concen: 22.781 ug/L  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

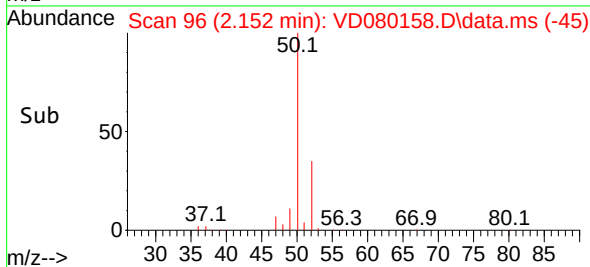
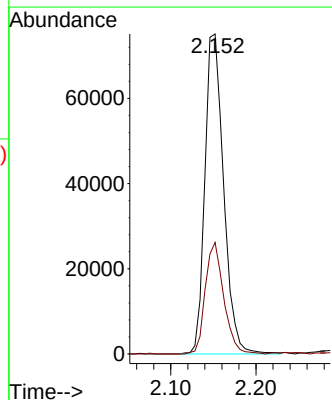
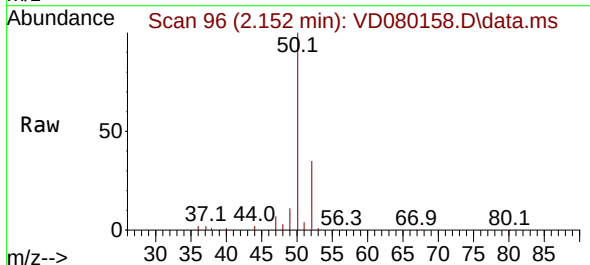
Instrument :  
MSVOA\_D  
ClientSampleId :

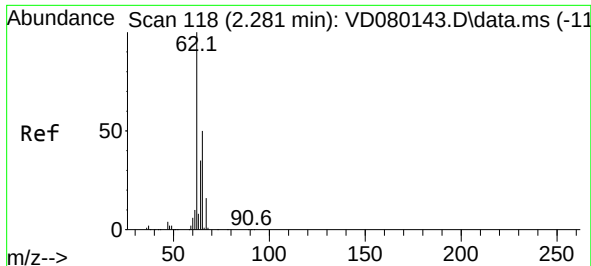
Tgt Ion: 85 Resp: 70181  
Ion Ratio Lower Upper  
85 100  
87 32.0 26.2 39.2



#3  
Chloromethane  
Concen: 47.448 ug/L  
RT: 2.152 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 50 Resp: 114879  
Ion Ratio Lower Upper  
50 100  
52 34.8 25.1 46.7

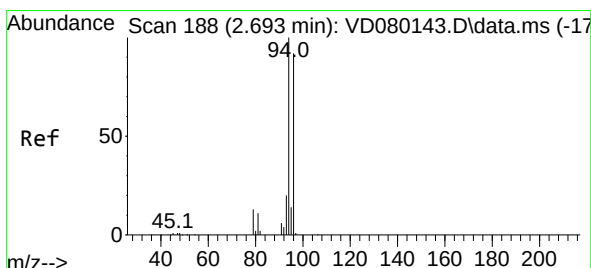
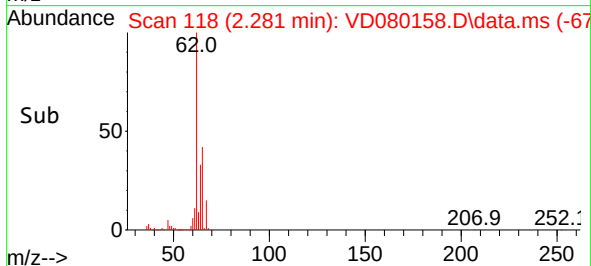
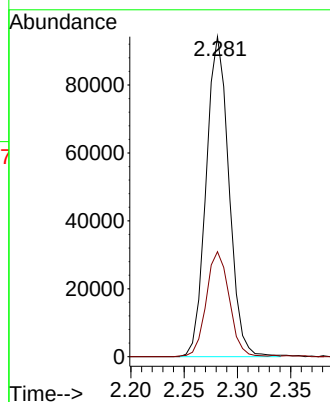
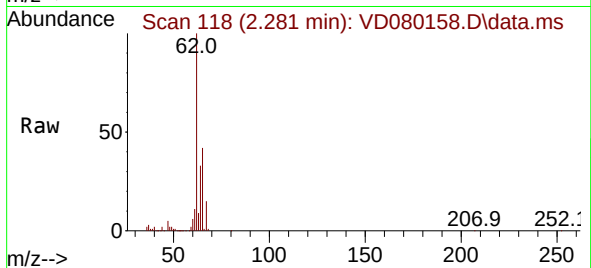




#5  
 Vinyl chloride  
 Concen: 42.025 ug/L  
 RT: 2.281 min Scan# 118  
 Delta R.T. 0.000 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45

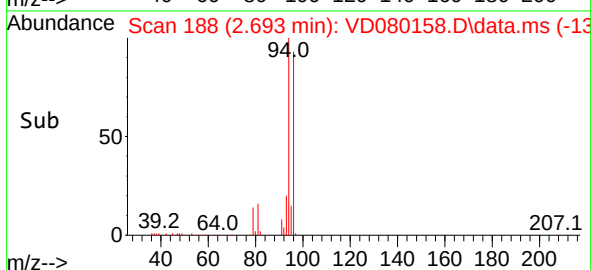
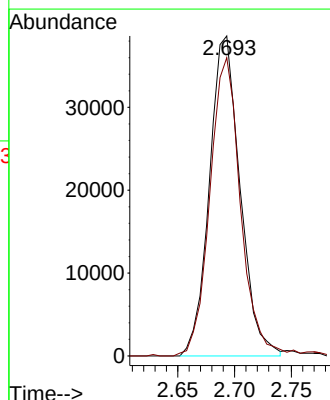
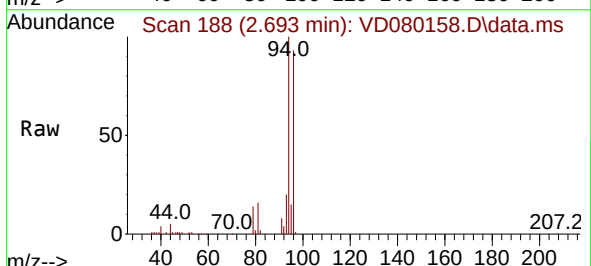
Instrument :  
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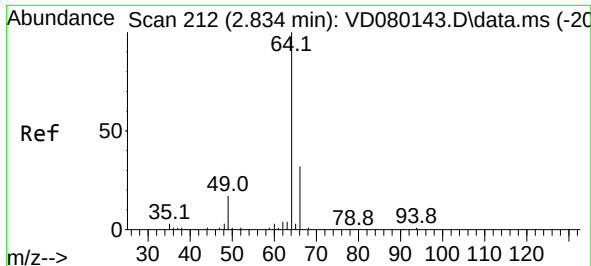
Tgt Ion: 62 Resp: 140674  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 24.0 44.6



#6  
 Bromomethane  
 Concen: 32.550 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. 0.000 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45

Tgt Ion: 94 Resp: 72616  
 Ion Ratio Lower Upper  
 94 100  
 96 93.2 66.8 124.0





#8

Chloroethane

Concen: 41.323 ug/L

RT: 2.834 min Scan# 212

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

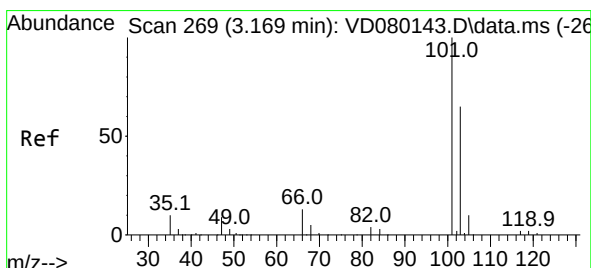
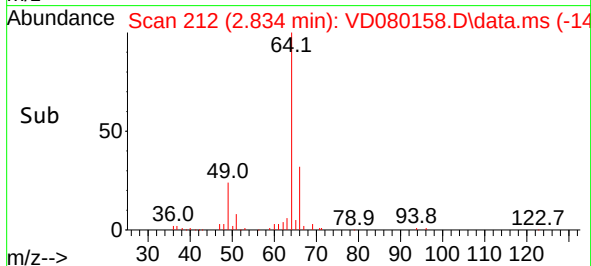
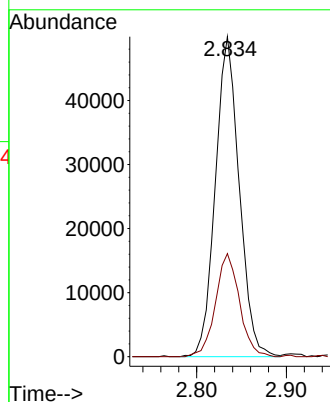
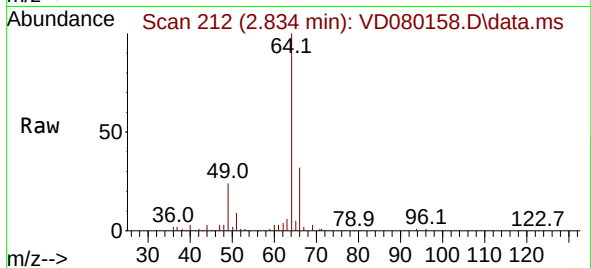
ClientSampleId :

Tgt Ion: 64 Resp: 92212

Ion Ratio Lower Upper

64 100

66 32.2 21.3 39.6



#9

Trichlorofluoromethane

Concen: 21.505 ug/L

RT: 3.169 min Scan# 269

Delta R.T. 0.000 min

Lab File: VD080158.D

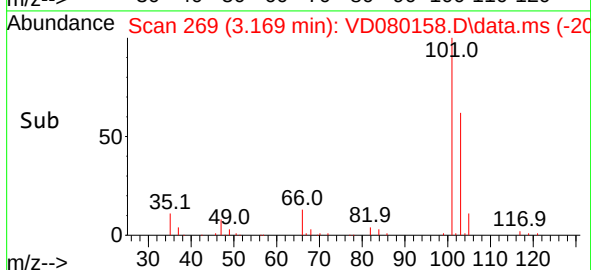
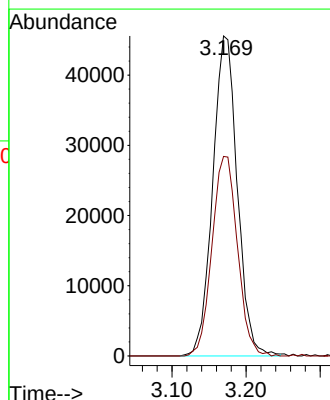
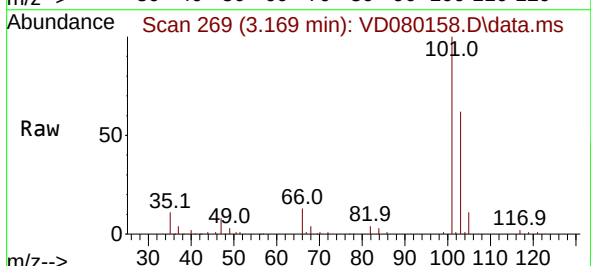
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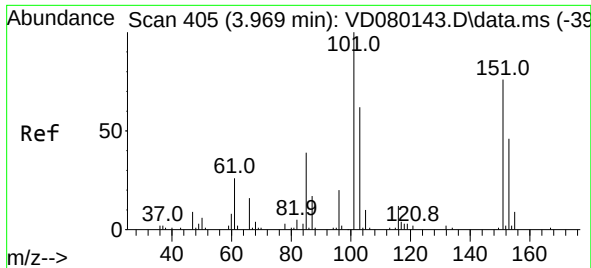
Tgt Ion:101 Resp: 105049

Ion Ratio Lower Upper

101 100

103 64.3 52.5 78.7

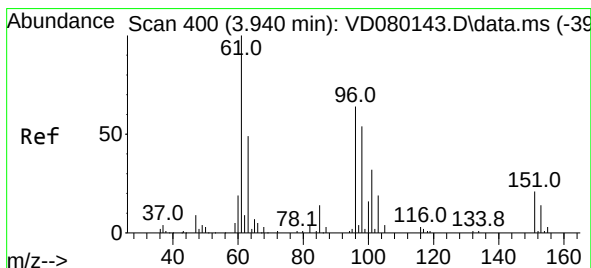
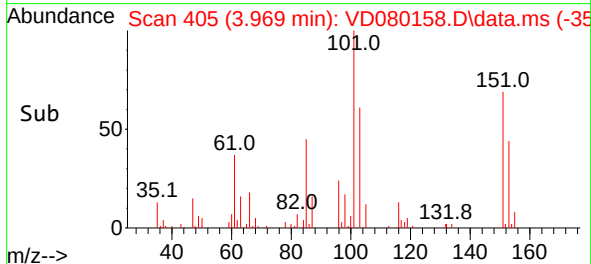
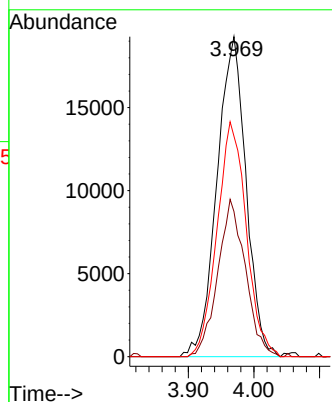
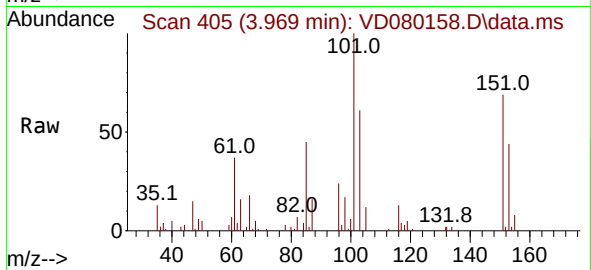




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 20.501 ug/L  
 RT: 3.969 min Scan# 405  
 Delta R.T. 0.000 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45

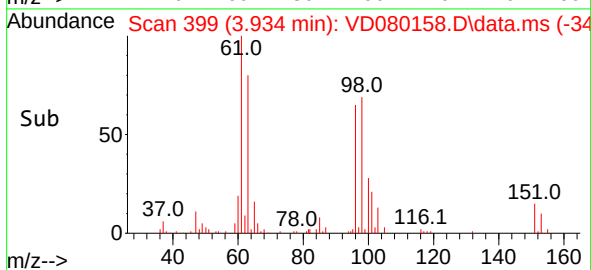
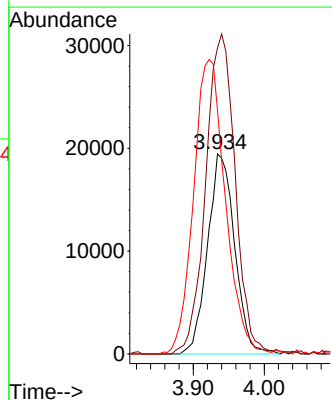
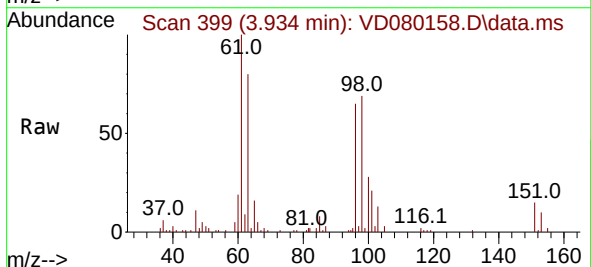
Instrument :  
 MSVOA\_D  
 ClientSampleId :

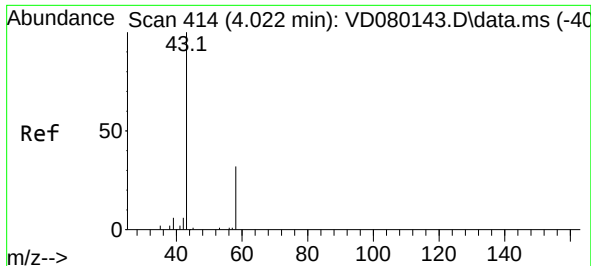
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|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 59352 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 46.7  | 35.8  | 53.6  |
| 151      | 73.8  | 59.8  | 89.6  |



#12  
 1,1-Dichloroethene  
 Concen: 20.367 ug/L  
 RT: 3.934 min Scan# 399  
 Delta R.T. -0.006 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 51471 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 153.0 | 113.8 | 211.3 |
| 63       | 122.0 | 78.5  | 145.7 |





#13

Acetone

Concen: 37.058 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

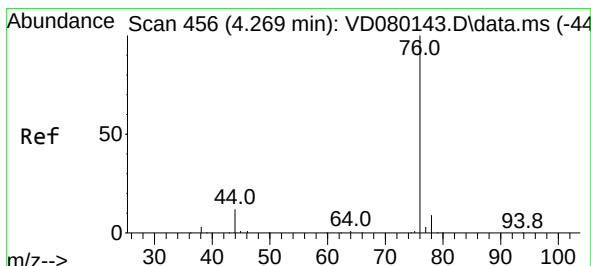
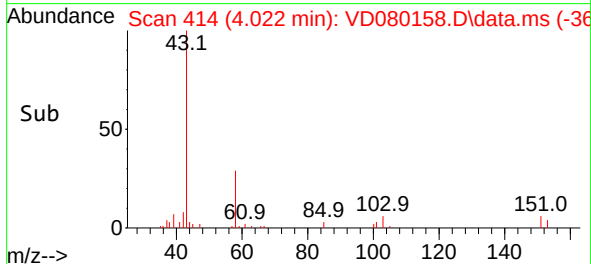
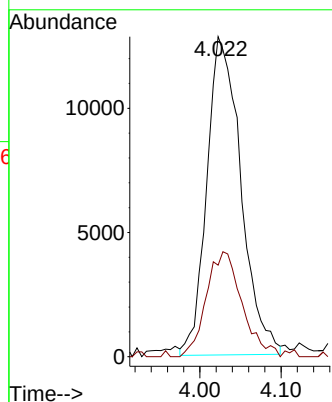
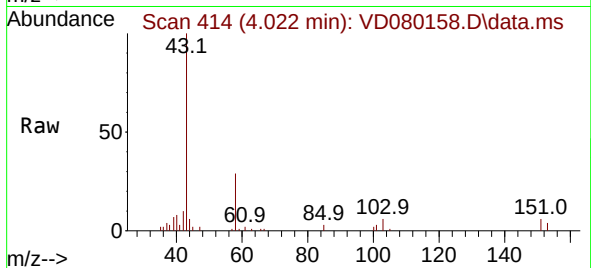
ClientSampleId :

Tgt Ion: 43 Resp: 37355

Ion Ratio Lower Upper

43 100

58 33.8 0.0 69.0



#14

Carbon disulfide

Concen: 23.743 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD080158.D

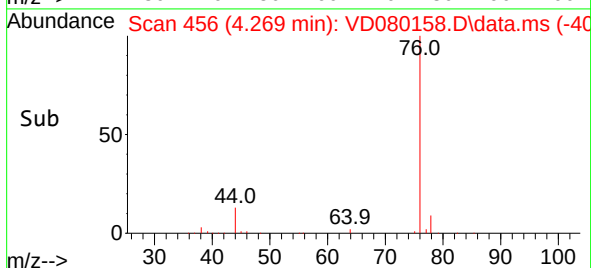
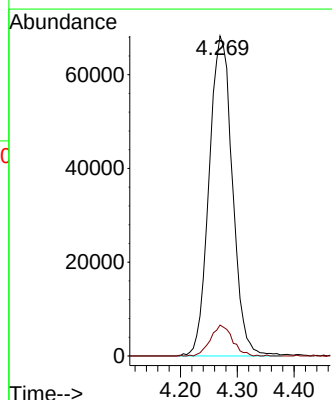
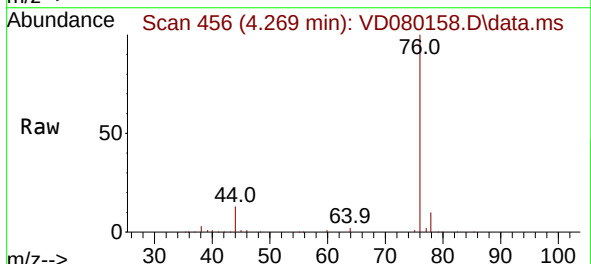
Acq: 12 Dec 2024 21:45

Tgt Ion: 76 Resp: 194662

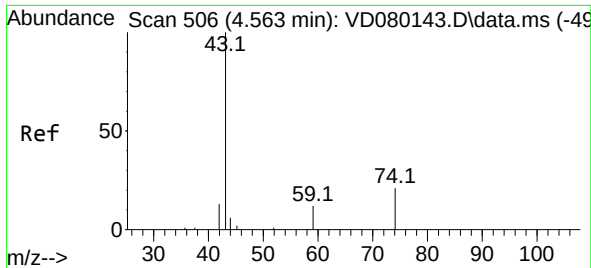
Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



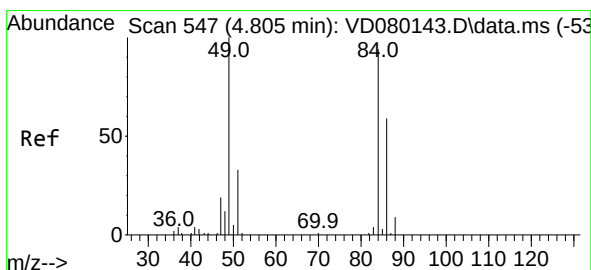
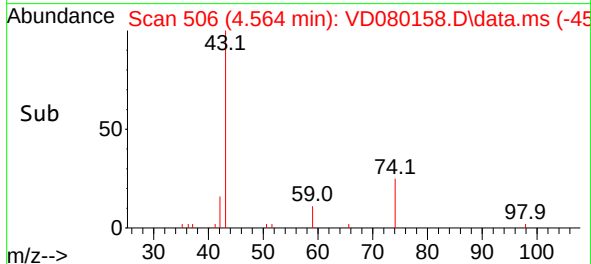
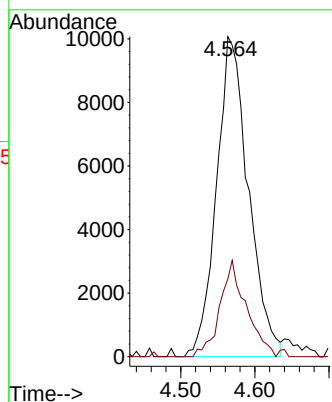
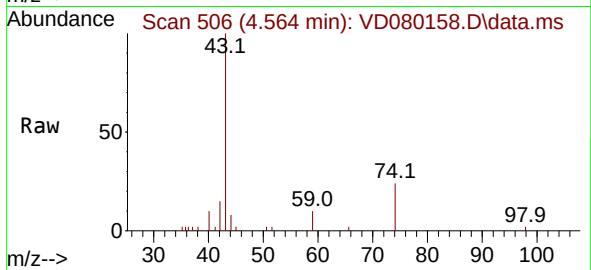




#15  
Methyl Acetate  
Concen: 25.352 ug/L  
RT: 4.564 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

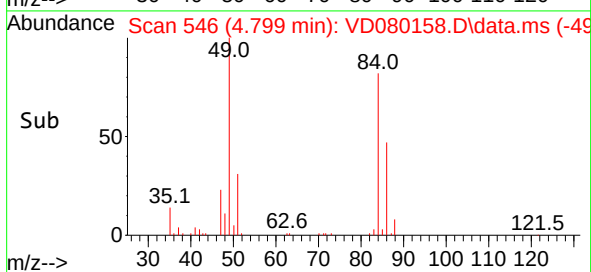
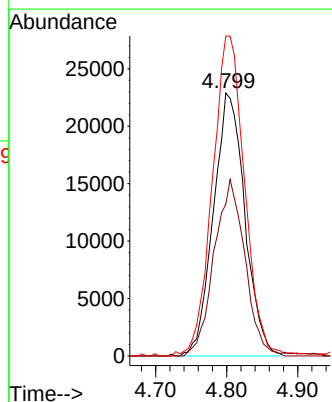
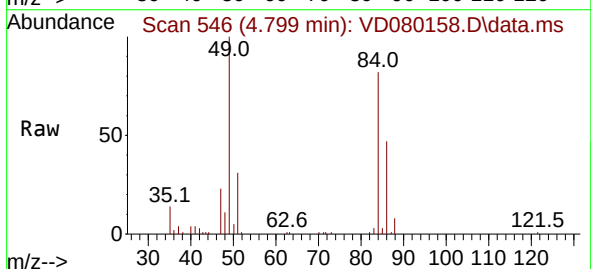
Instrument :  
MSVOA\_D  
ClientSampleId :

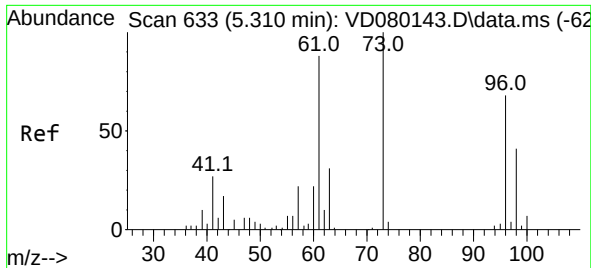
Tgt Ion: 43 Resp: 30112  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.0 28.4



#16  
Methylene chloride  
Concen: 24.471 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 84 Resp: 70258  
Ion Ratio Lower Upper  
84 100  
86 57.7 40.7 75.7  
49 121.7 79.9 148.5

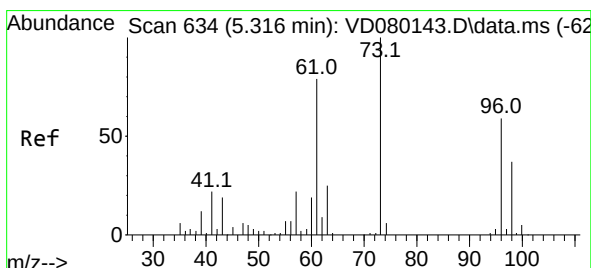
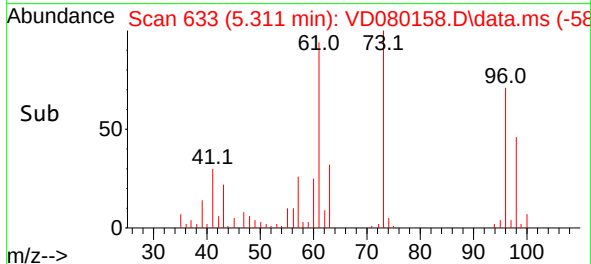
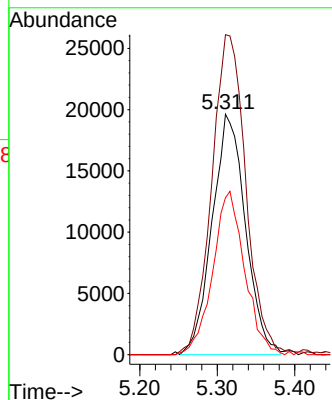
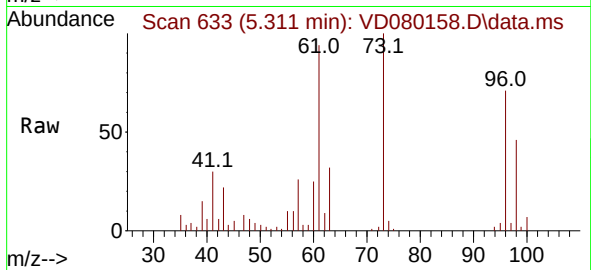




#17  
trans-1,2-Dichloroethene  
Concen: 22.947 ug/L  
RT: 5.311 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

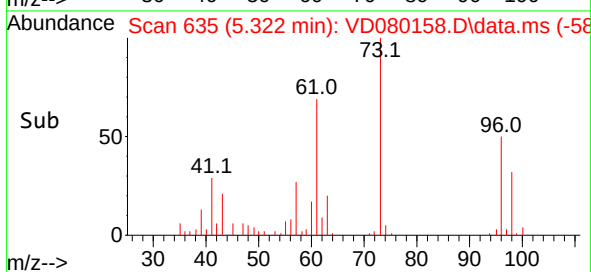
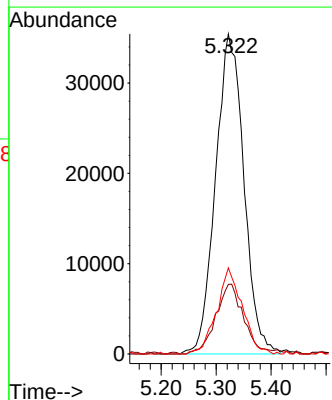
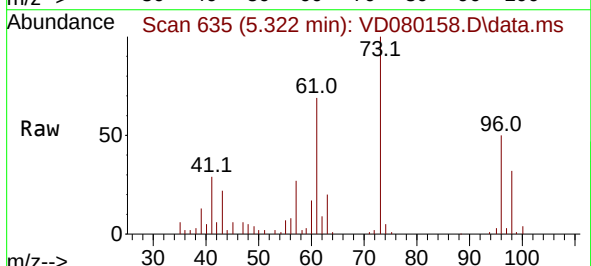
Instrument :  
MSVOA\_D  
ClientSampleId :

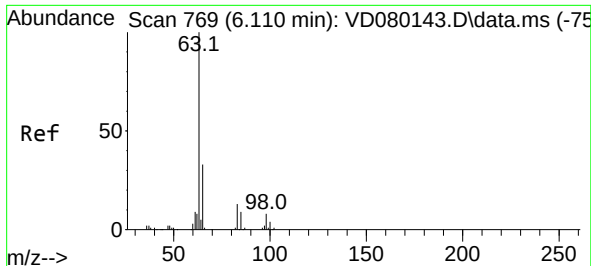
Tgt Ion: 96 Resp: 58712  
Ion Ratio Lower Upper  
96 100  
61 133.0 97.4 181.0  
98 65.3 44.3 82.3



#18  
Methyl tert-butyl Ether  
Concen: 23.038 ug/L  
RT: 5.322 min Scan# 635  
Delta R.T. 0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 73 Resp: 126799  
Ion Ratio Lower Upper  
73 100  
43 21.4 0.0 0.0#  
57 24.3 18.9 28.3





#19

1,1-Dichloroethane

Concen: 24.396 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

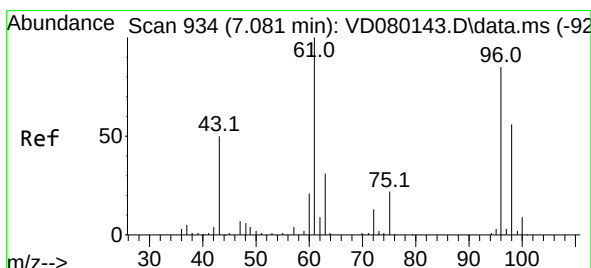
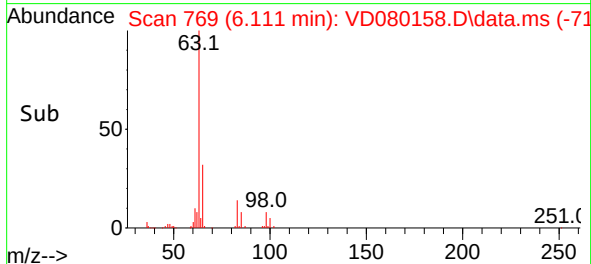
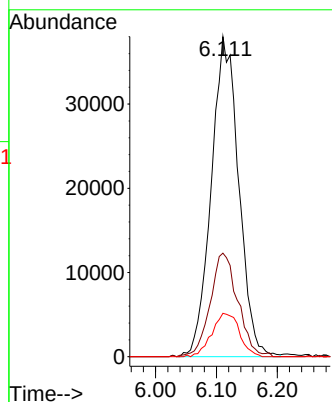
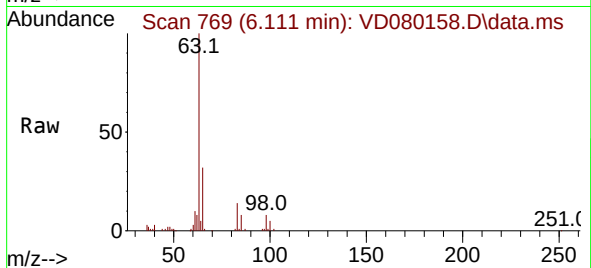
Tgt Ion: 63 Resp: 119043

Ion Ratio Lower Upper

63 100

65 32.4 21.1 39.1

83 13.5 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 24.235 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

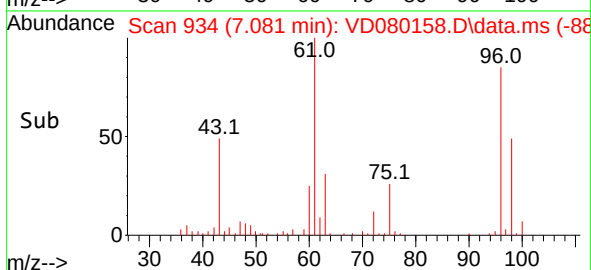
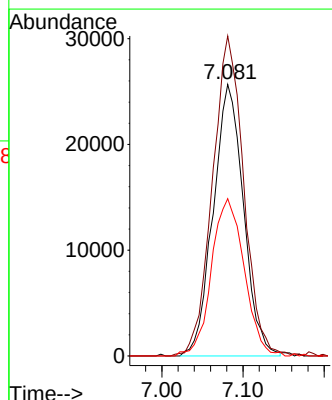
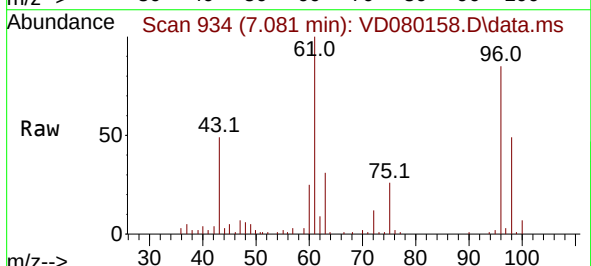
Tgt Ion: 96 Resp: 66638

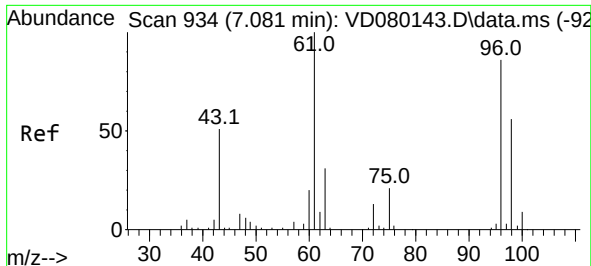
Ion Ratio Lower Upper

96 100

61 117.8 89.1 165.5

98 57.9 47.3 87.8

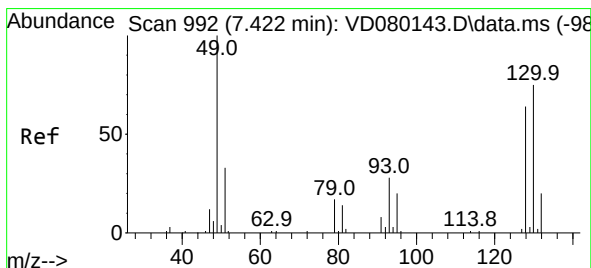
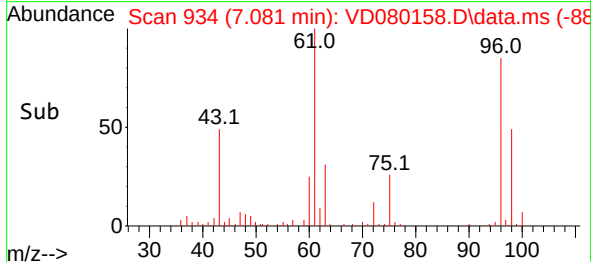
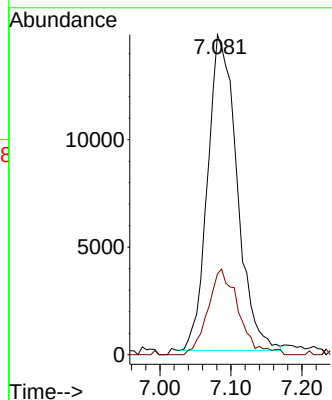
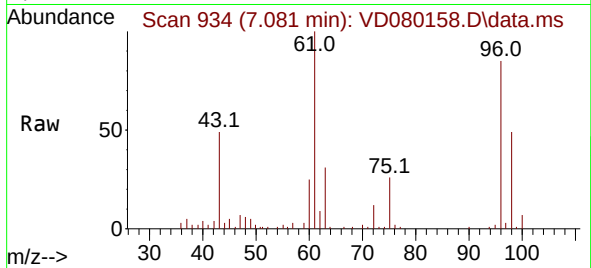




#22  
2-Butanone  
Concen: 42.402 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

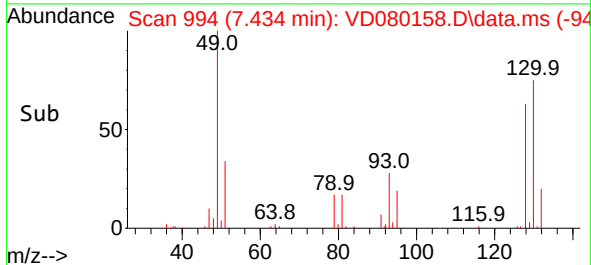
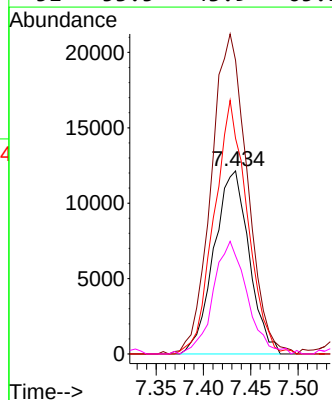
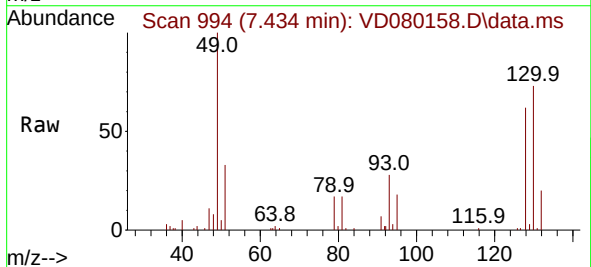
Instrument :  
MSVOA\_D  
ClientSampleId :

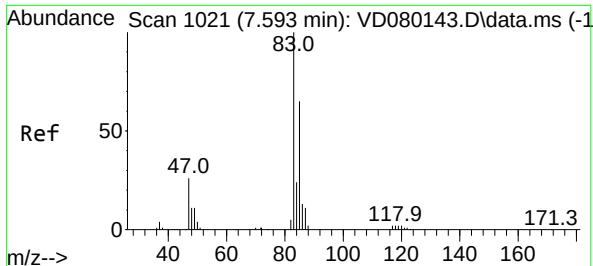
Tgt Ion: 43 Resp: 42260  
Ion Ratio Lower Upper  
43 100  
72 19.5 13.6 40.8



#23  
Bromochloromethane  
Concen: 23.375 ug/L  
RT: 7.434 min Scan# 994  
Delta R.T. 0.012 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion:128 Resp: 31328  
Ion Ratio Lower Upper  
128 100  
49 160.4 117.0 217.2  
130 117.8 84.4 156.7  
51 53.5 43.9 65.9





#25

Chloroform

Concen: 23.005 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

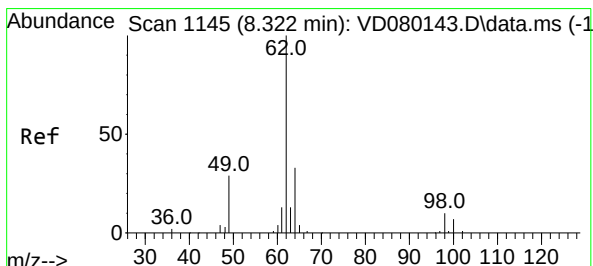
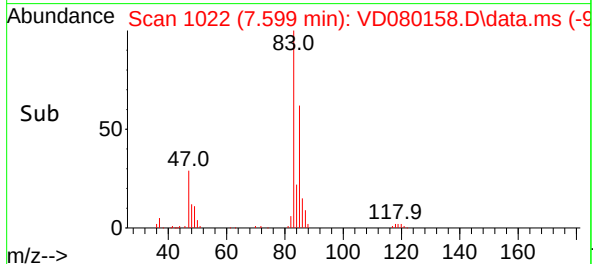
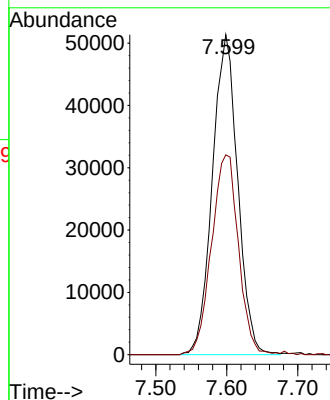
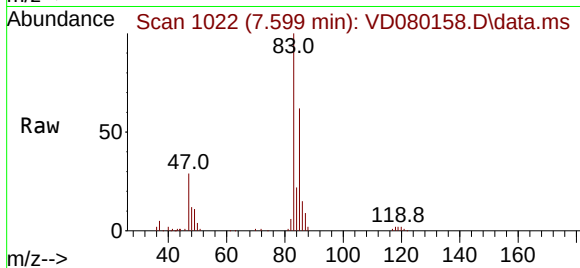
ClientSampleId :

Tgt Ion: 83 Resp: 126924

Ion Ratio Lower Upper

83 100

85 62.5 45.0 83.6



#27

1,2-Dichloroethane

Concen: 27.119 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD080158.D

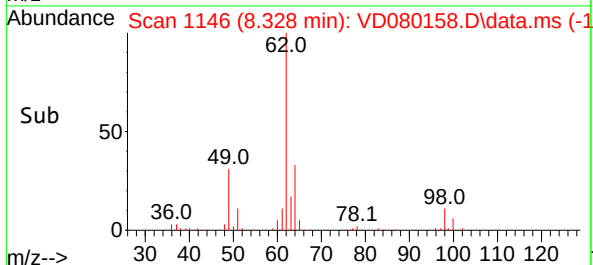
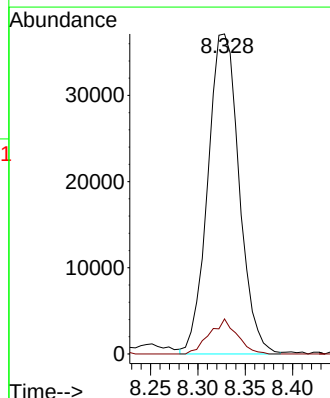
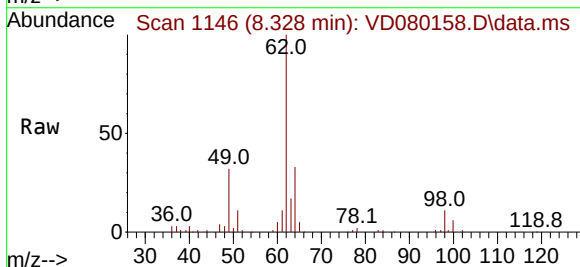
Acq: 12 Dec 2024 21:45

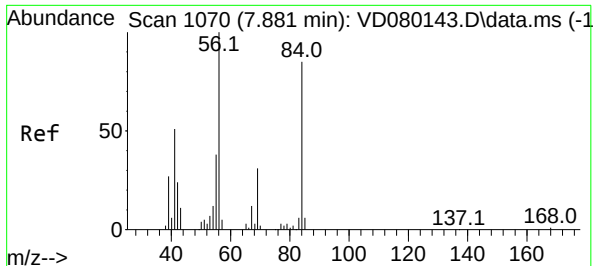
Tgt Ion: 62 Resp: 85567

Ion Ratio Lower Upper

62 100

98 11.0 7.0 10.6#





#29

Cyclohexane

Concen: 21.046 ug/L

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

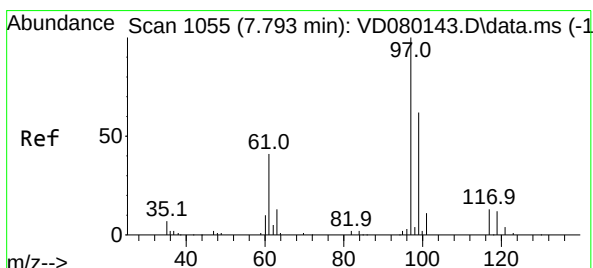
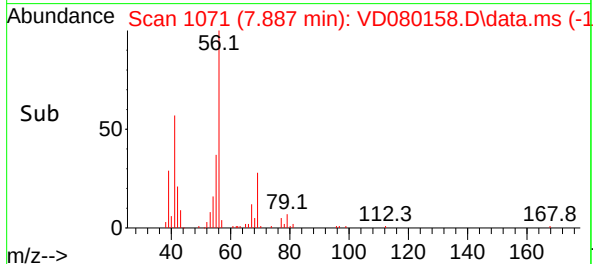
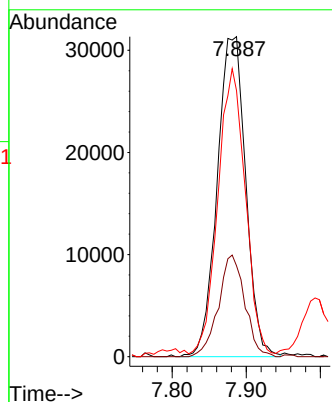
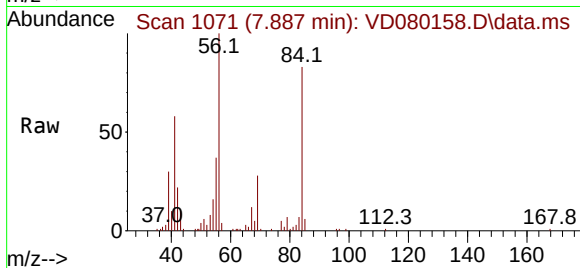
Tgt Ion: 56 Resp: 83876

Ion Ratio Lower Upper

56 100

69 29.3 24.6 36.8

84 87.1 68.7 103.1



#30

1,1,1-Trichloroethane

Concen: 20.242 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

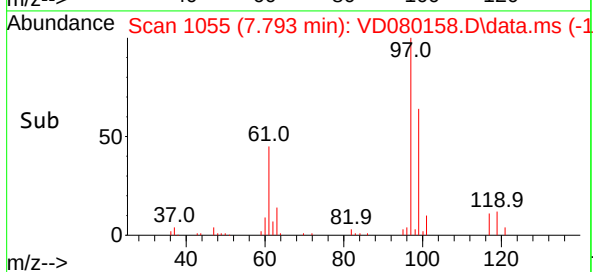
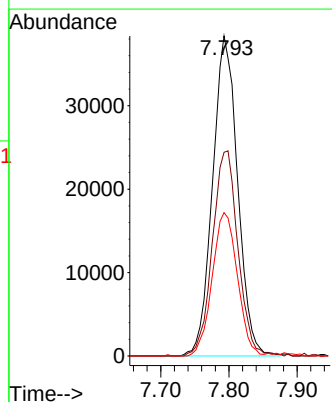
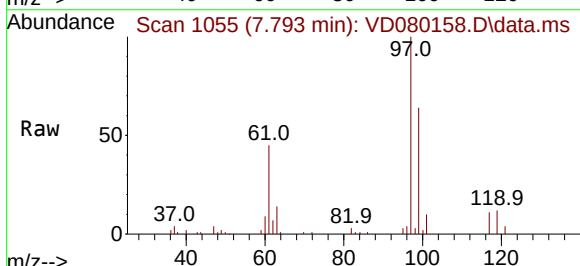
Tgt Ion: 97 Resp: 98147

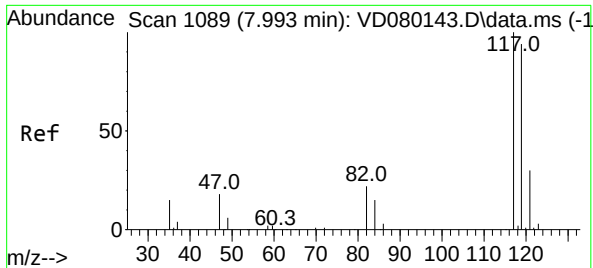
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

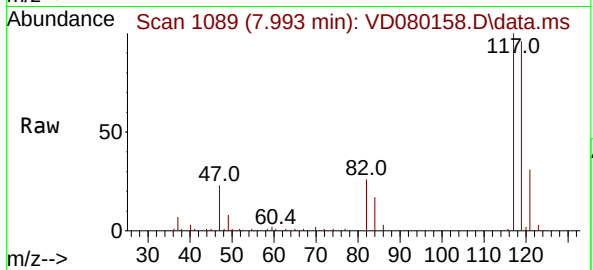
61 45.1 35.8 53.8



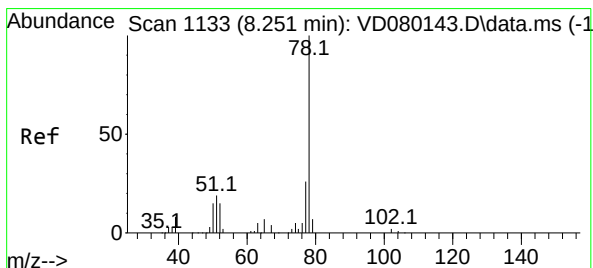
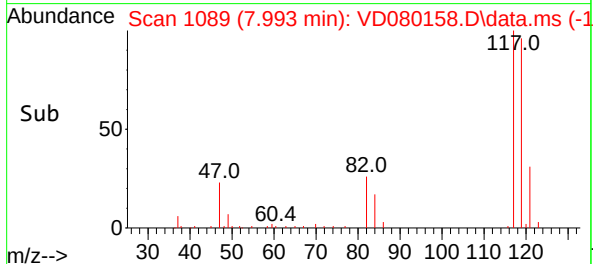
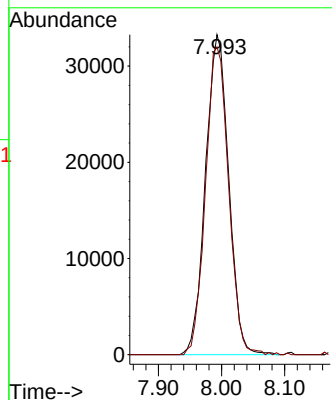


#31  
Carbon tetrachloride  
Concen: 21.105 ug/L  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Instrument :  
MSVOA\_D  
ClientSampleId :

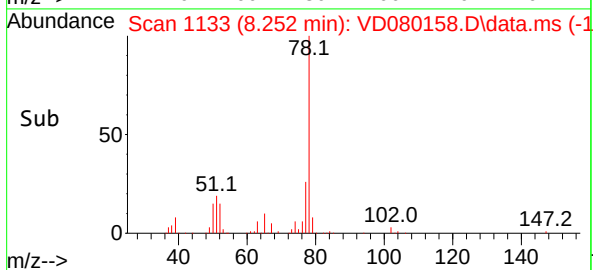
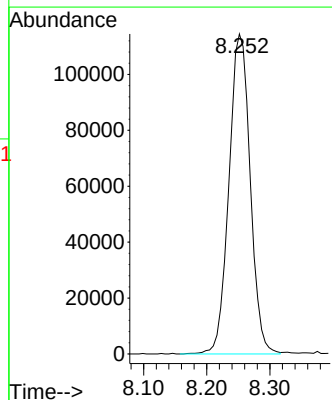
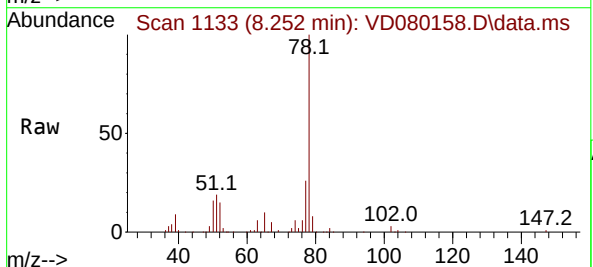


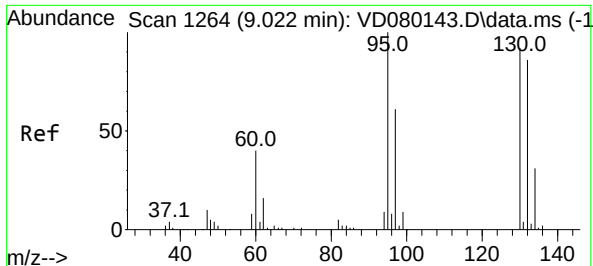
Tgt Ion:117 Resp: 84820  
Ion Ratio Lower Upper  
117 100  
119 95.5 76.8 115.2



#33  
Benzene  
Concen: 22.139 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 78 Resp: 267724

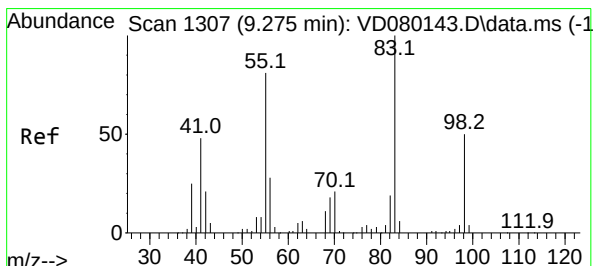
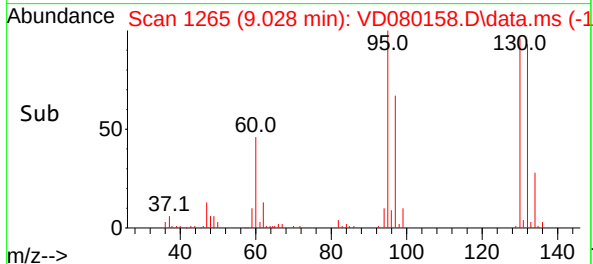
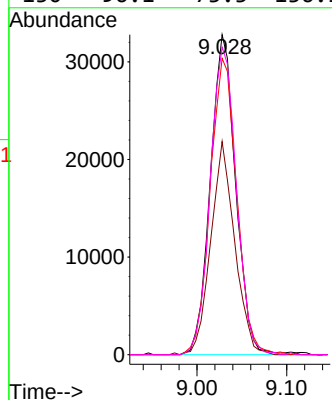
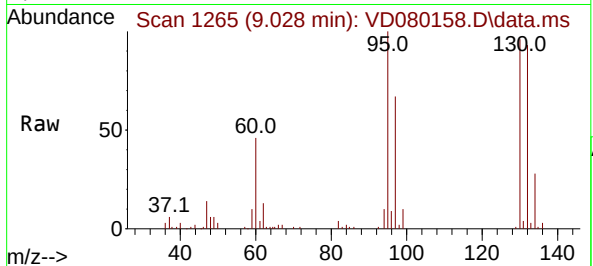




#34  
Trichloroethene  
Concen: 19.540 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

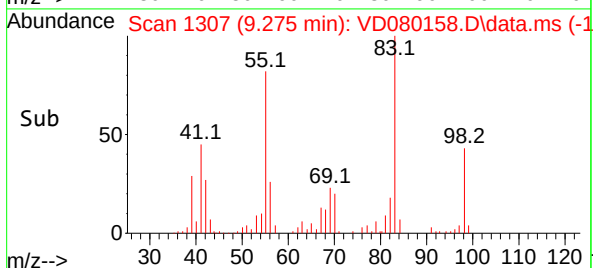
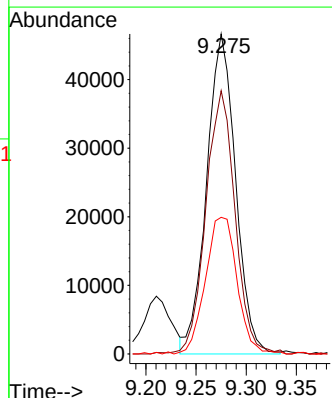
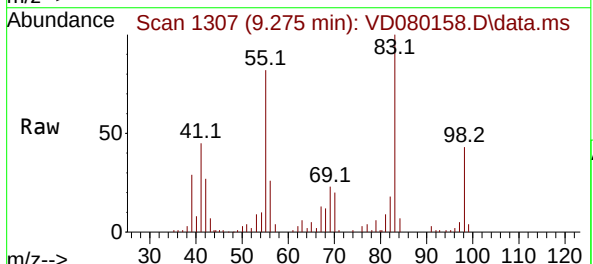
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 64221  
Ion Ratio Lower Upper  
95 100  
97 66.6 43.7 81.1  
132 92.6 69.4 129.0  
130 96.1 73.3 136.1

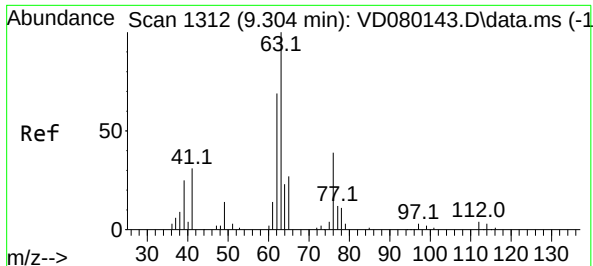


#35  
Methylcyclohexane  
Concen: 20.386 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 83 Resp: 93916  
Ion Ratio Lower Upper  
83 100  
55 82.6 63.8 95.8  
98 46.6 37.6 56.4







#37

1,2-Dichloropropane

Concen: 21.940 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

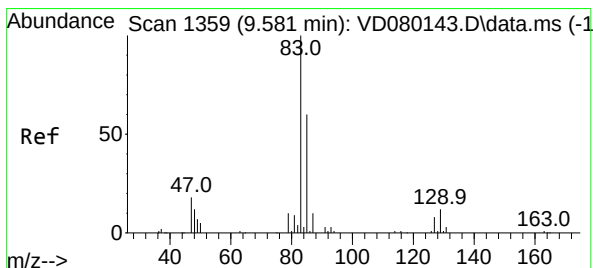
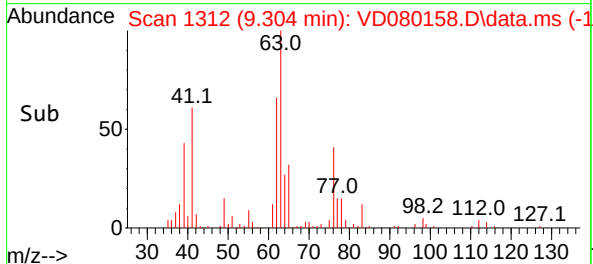
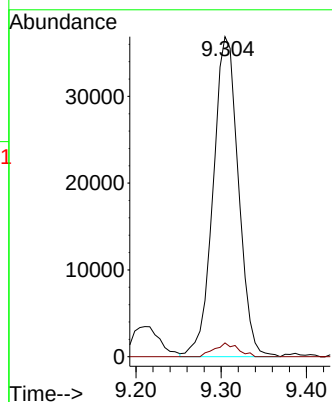
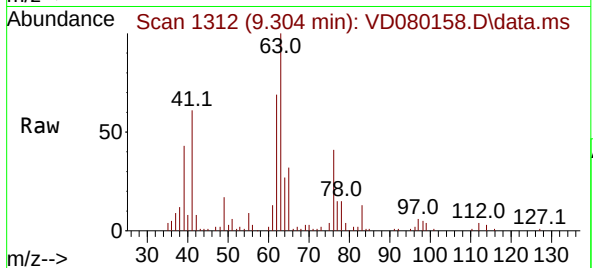
ClientSampleId :

Tgt Ion: 63 Resp: 76019

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 21.108 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

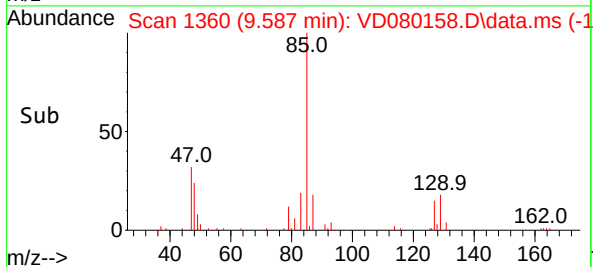
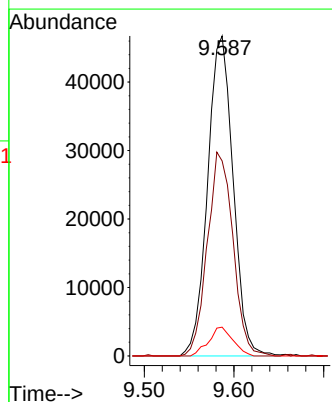
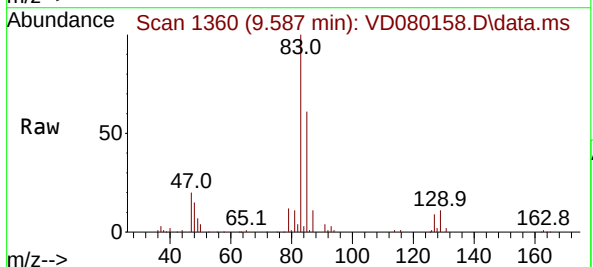
Tgt Ion: 83 Resp: 92213

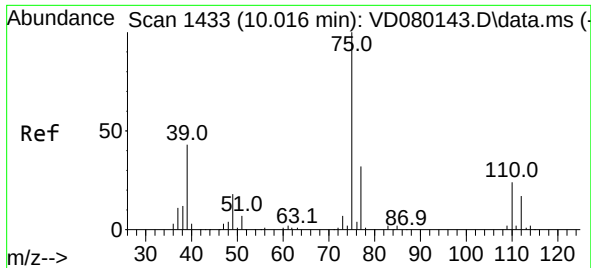
Ion Ratio Lower Upper

83 100

85 60.9 44.3 82.3

127 9.0 6.6 10.0

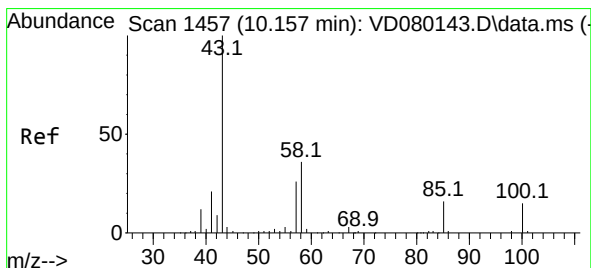
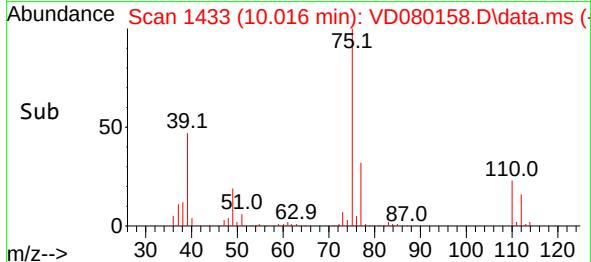
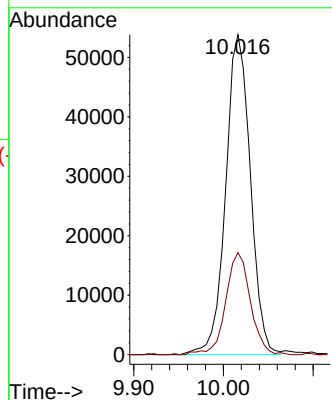
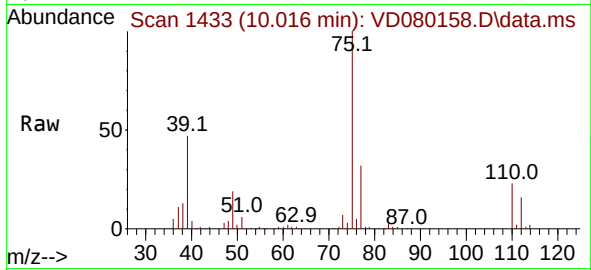




#39  
cis-1,3-Dichloropropene  
Concen: 20.821 ug/L  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

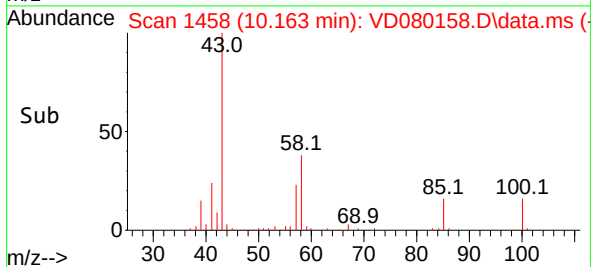
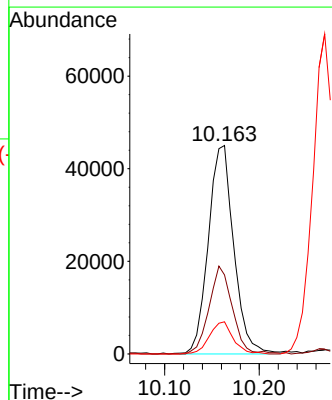
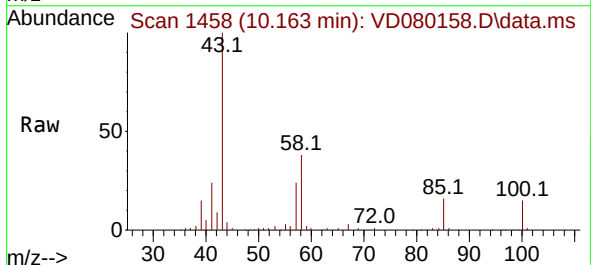
Instrument :  
MSVOA\_D  
ClientSampleId :

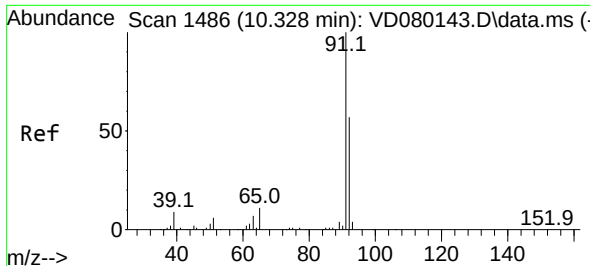
Tgt Ion: 75 Resp: 102952  
Ion Ratio Lower Upper  
75 100  
77 31.9 21.8 40.6



#40  
4-Methyl-2-pentanone  
Concen: 43.939 ug/L  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 43 Resp: 84180  
Ion Ratio Lower Upper  
43 100  
58 37.9 32.1 48.1  
100 14.4 12.6 19.0





#42

Toluene

Concen: 21.627 ug/L

RT: 10.334 min Scan# 1486

Delta R.T. 0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

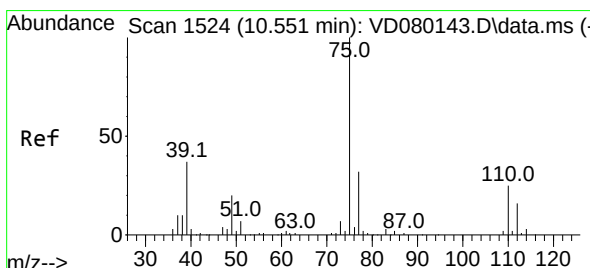
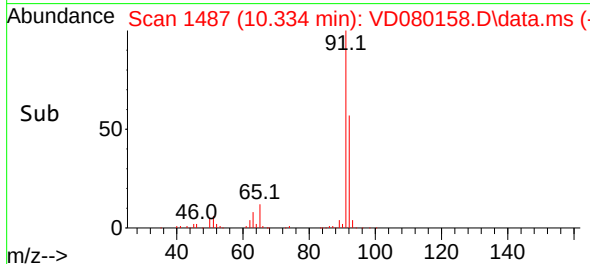
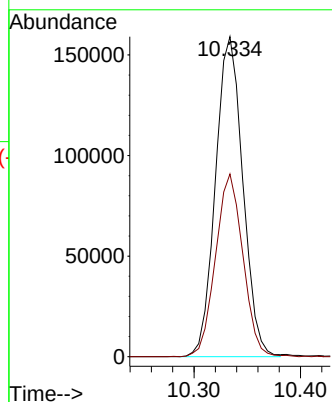
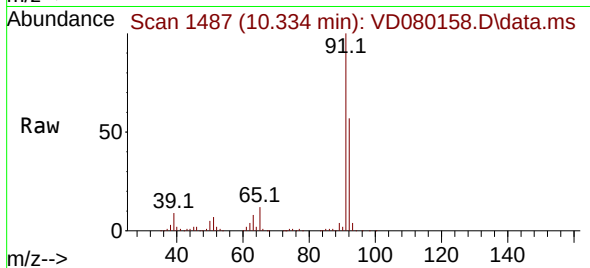
ClientSampleId :

Tgt Ion: 91 Resp: 283738

Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 23.185 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080158.D

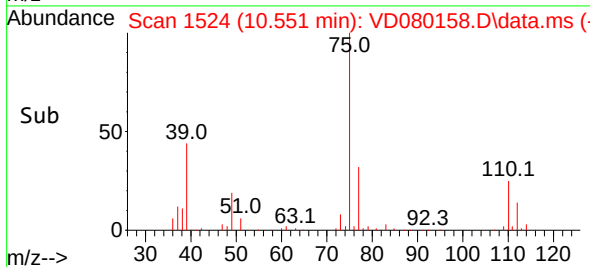
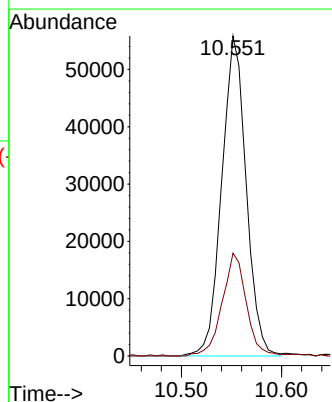
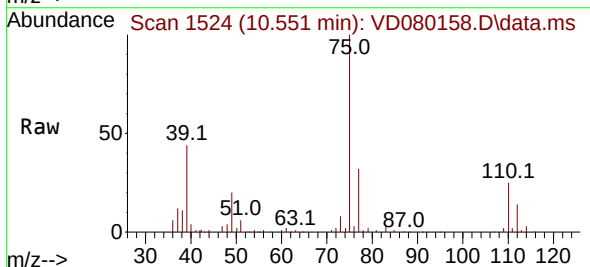
Acq: 12 Dec 2024 21:45

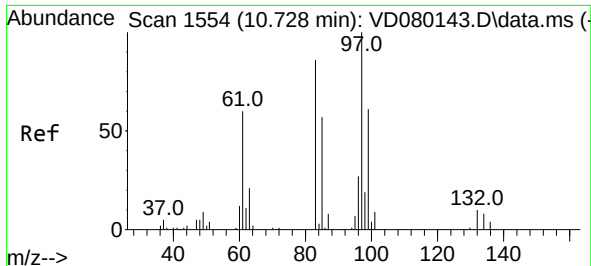
Tgt Ion: 75 Resp: 94439

Ion Ratio Lower Upper

75 100

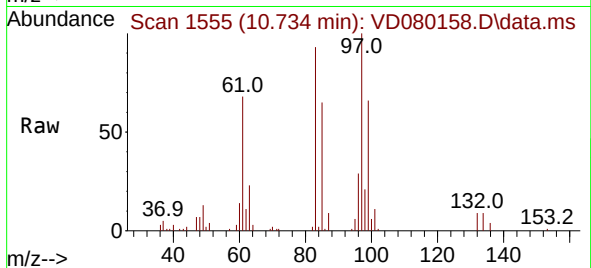
77 32.1 24.2 45.0



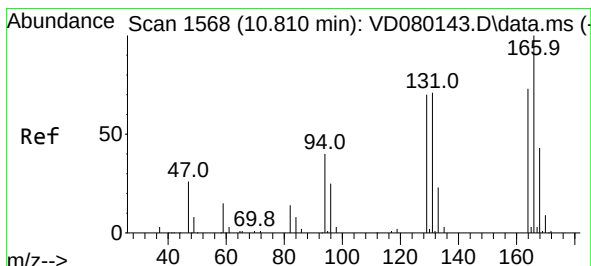
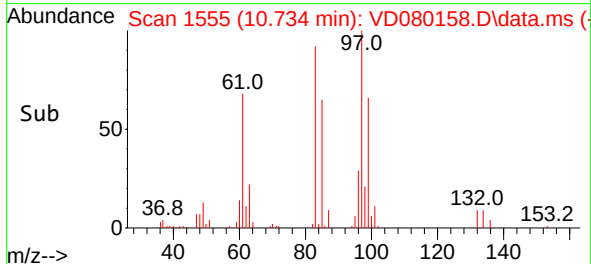
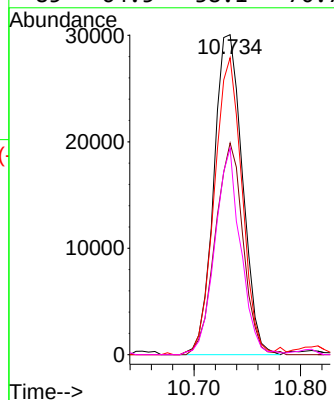


#45  
1,1,2-Trichloroethane  
Concen: 22.530 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Instrument :  
MSVOA\_D  
ClientSampleId :

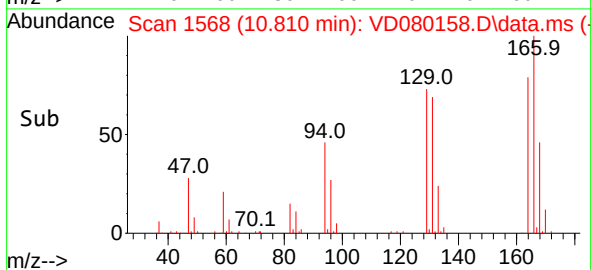
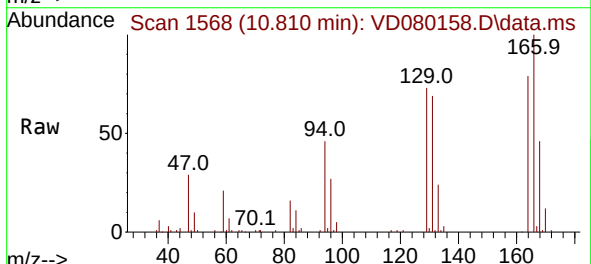
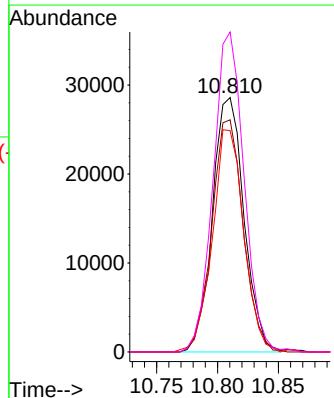


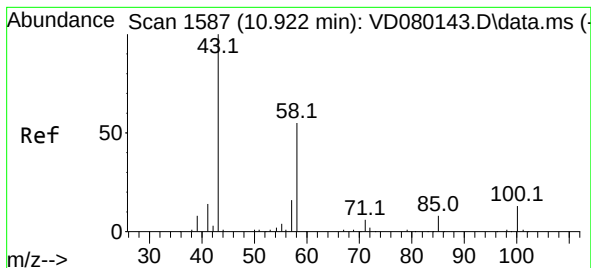
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 56143 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 66.2     | 42.5 78.9   |
| 83 92.8     | 63.1 117.1  |
| 85 64.5     | 38.1 70.7   |



#46  
Tetrachloroethene  
Concen: 22.613 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 51473 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 91.3    | 64.4  | 119.6 |
| 131 | 87.0    | 61.6  | 114.4 |
| 166 | 125.8   | 83.3  | 154.7 |





#48

2-Hexanone

Concen: 42.959 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

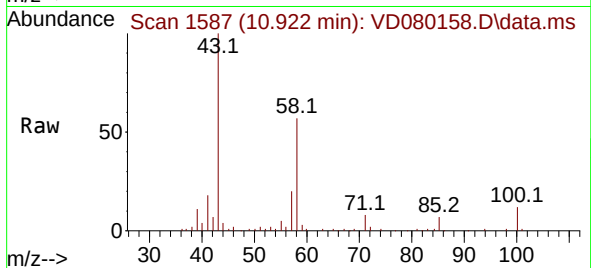
Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 43 Resp: 67228

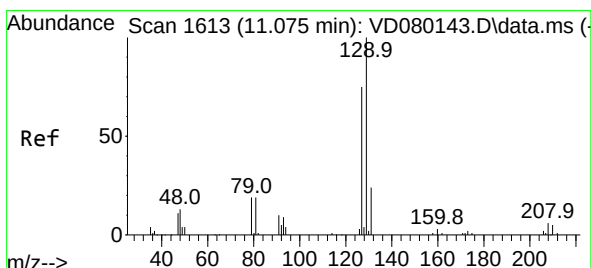
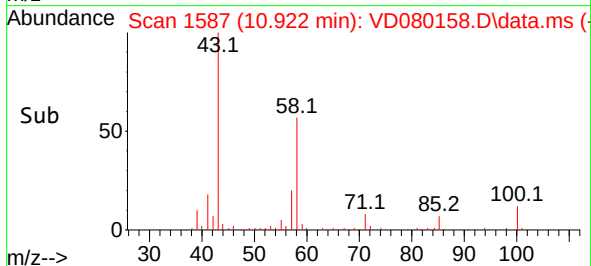
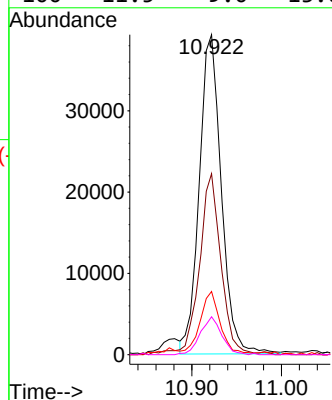
Ion Ratio Lower Upper

43 100

58 54.2 41.8 62.6

57 18.3 14.8 22.2

100 11.5 9.0 13.6



#49

Dibromochloromethane

Concen: 22.723 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD080158.D

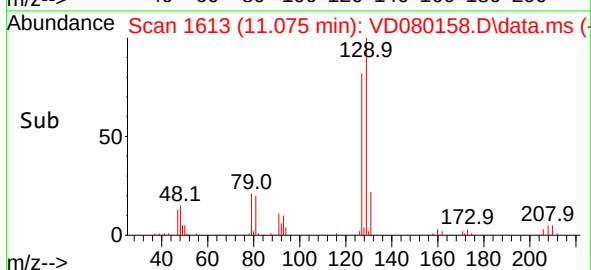
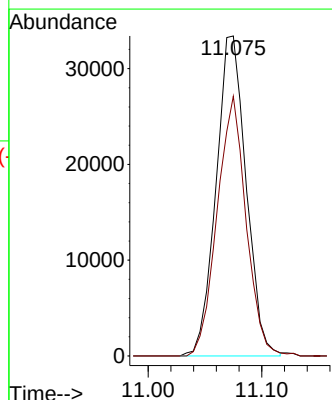
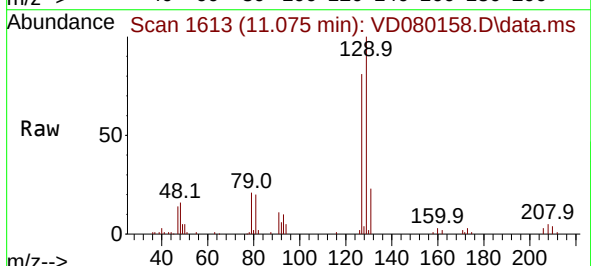
Acq: 12 Dec 2024 21:45

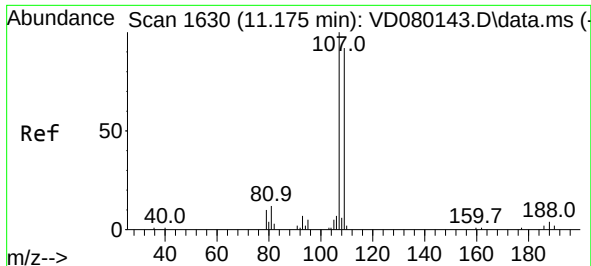
Tgt Ion: 129 Resp: 61469

Ion Ratio Lower Upper

129 100

127 81.1 52.4 97.2

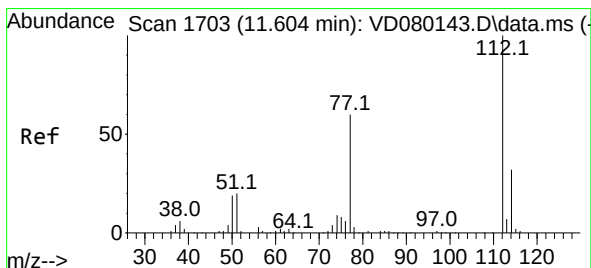
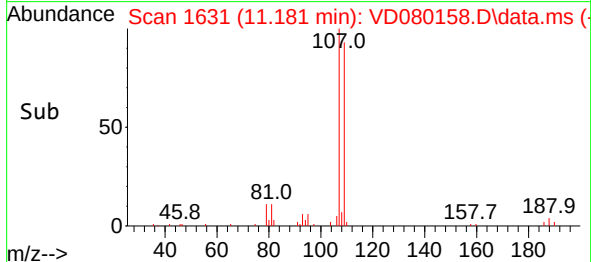
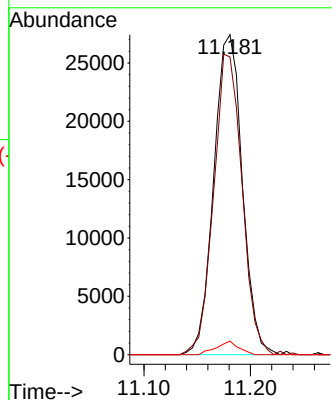
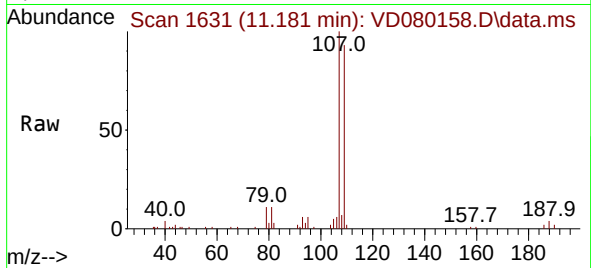




#50  
1,2-Dibromoethane  
Concen: 23.079 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.006 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

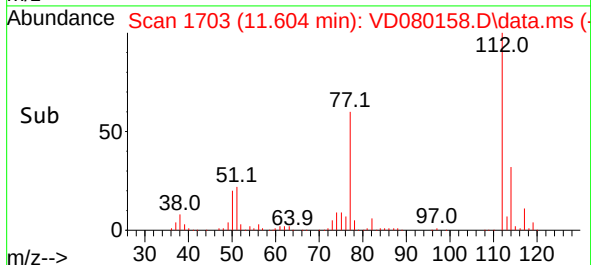
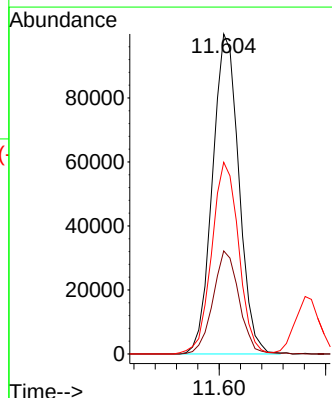
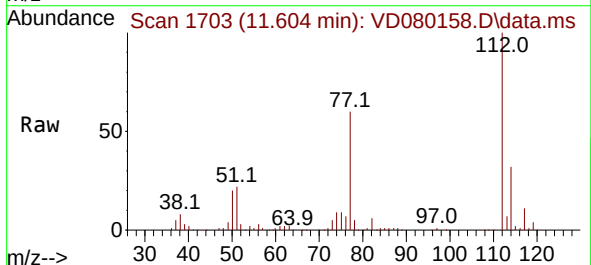
Instrument :  
MSVOA\_D  
ClientSampleId :

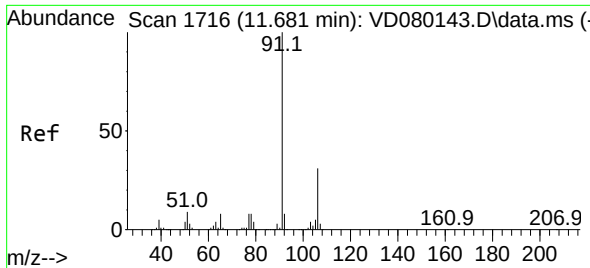
Tgt Ion:107 Resp: 50995  
Ion Ratio Lower Upper  
107 100  
109 93.0 66.2 123.0  
188 4.3 2.8 4.2#



#51  
Chlorobenzene  
Concen: 21.904 ug/L  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion:112 Resp: 171998  
Ion Ratio Lower Upper  
112 100  
114 32.2 23.3 43.3  
77 59.9 47.8 71.8

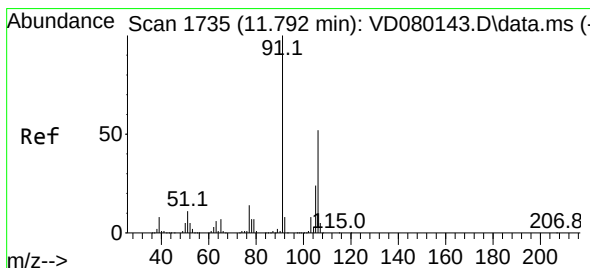
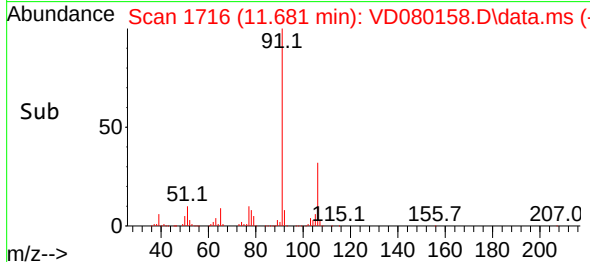
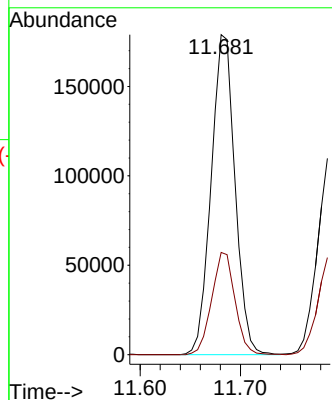
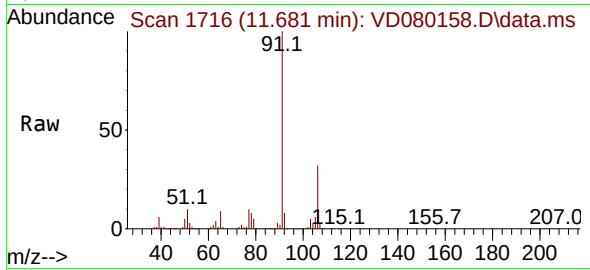




#52  
Ethylbenzene  
Concen: 22.757 ug/L  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

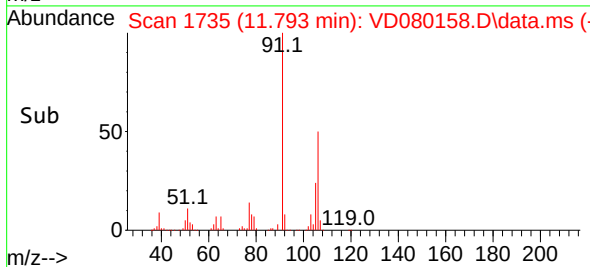
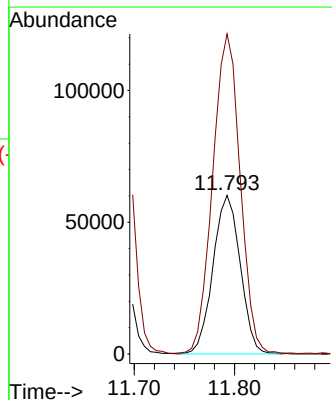
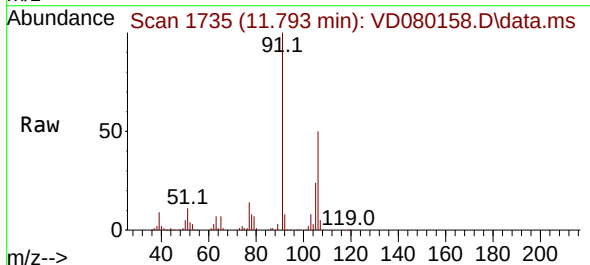
Instrument :  
MSVOA\_D  
ClientSampleId :

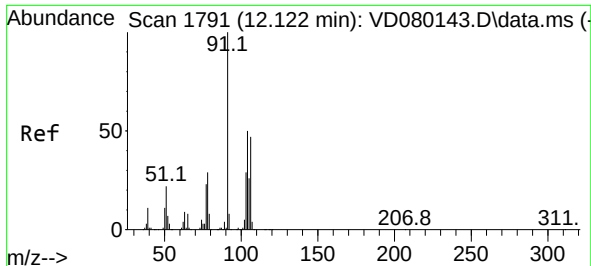
Tgt Ion: 91 Resp: 296486  
Ion Ratio Lower Upper  
91 100  
106 32.0 20.0 37.2



#53  
m,p-Xylene  
Concen: 22.771 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion: 106 Resp: 113423  
Ion Ratio Lower Upper  
106 100  
91 201.7 143.5 266.5

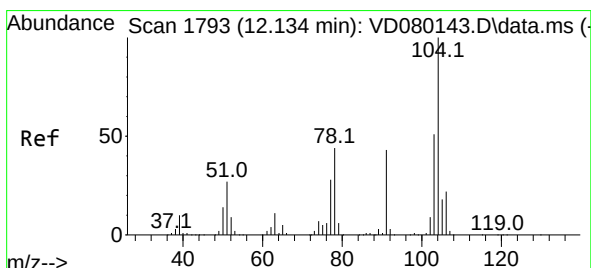
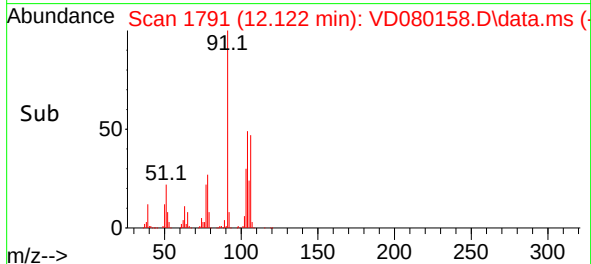
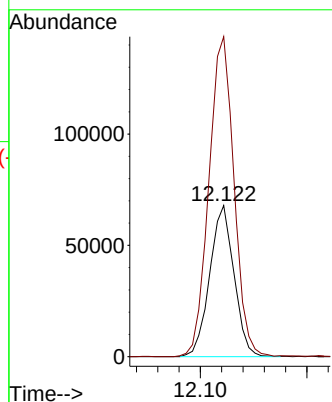
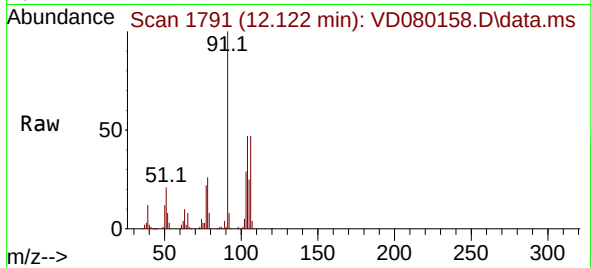




#54  
o-Xylene  
Concen: 22.464 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

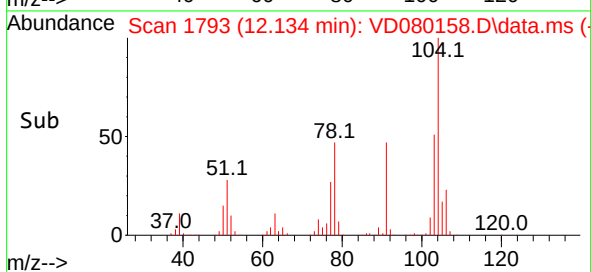
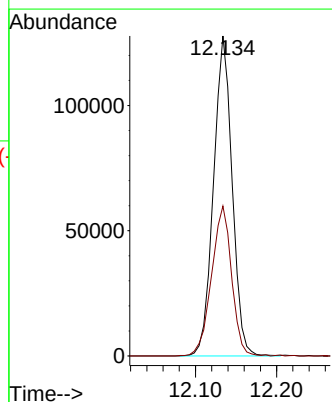
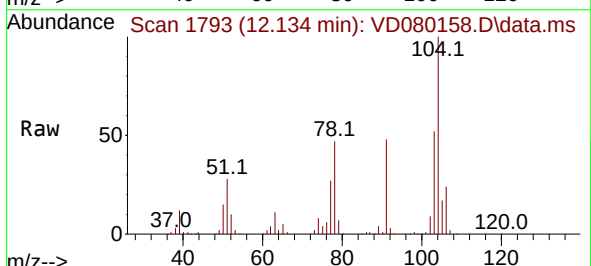
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:106 Resp: 107352  
Ion Ratio Lower Upper  
106 100  
91 211.7 155.8 289.4

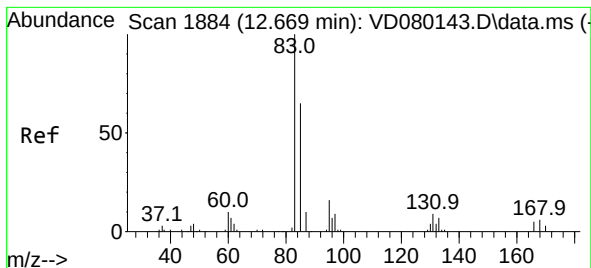


#55  
Styrene  
Concen: 23.562 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion:104 Resp: 203808  
Ion Ratio Lower Upper  
104 100  
78 46.8 31.2 58.0







#57

1,1,2,2-Tetrachloroethane

Concen: 21.528 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

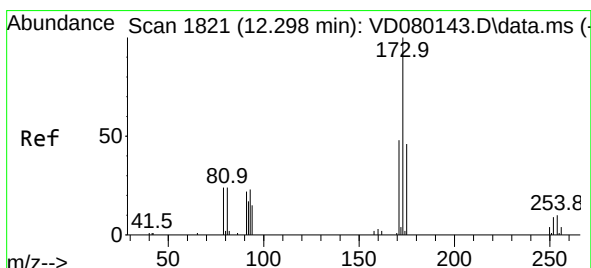
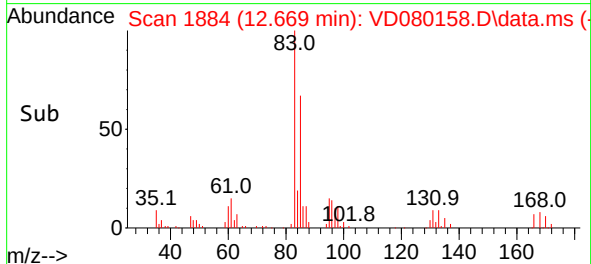
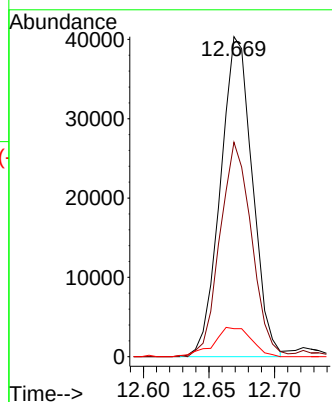
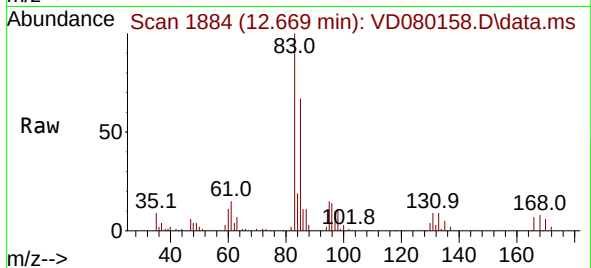
Tgt Ion: 83 Resp: 68349

Ion Ratio Lower Upper

83 100

85 67.0 44.2 82.2

131 8.8 7.1 10.7



#59

Bromoform

Concen: 22.442 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

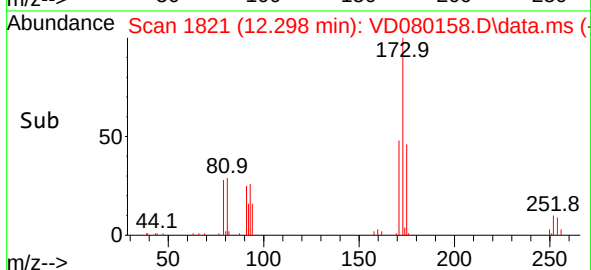
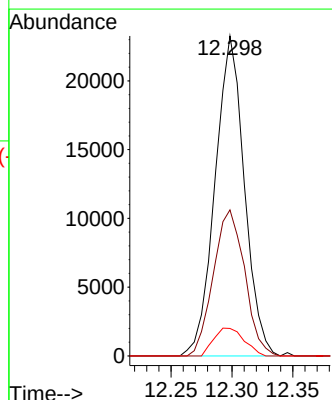
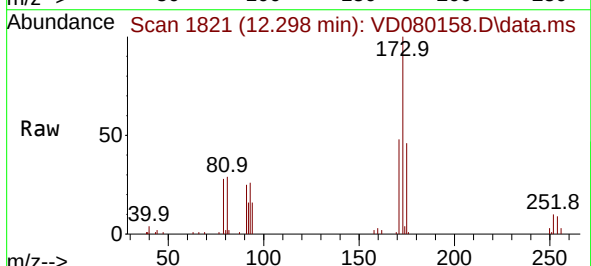
Tgt Ion:173 Resp: 38938

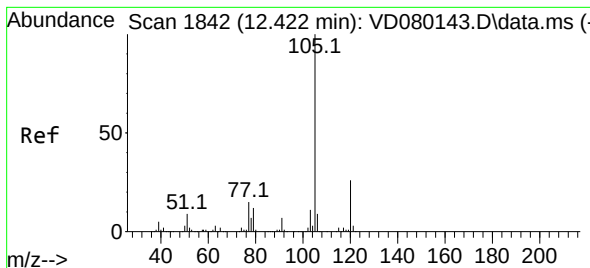
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

254 9.0 8.5 12.7





#60

Isopropylbenzene

Concen: 21.847 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

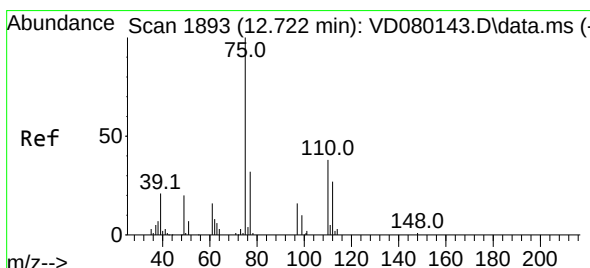
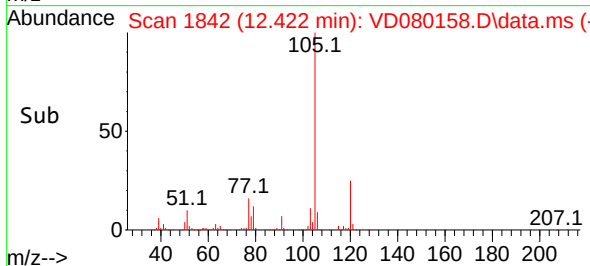
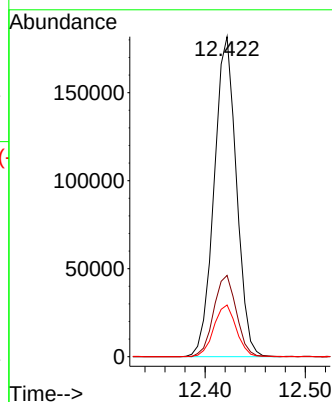
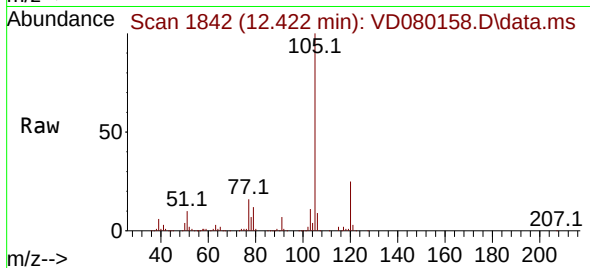
Tgt Ion:105 Resp: 280490

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

77 16.4 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 21.789 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

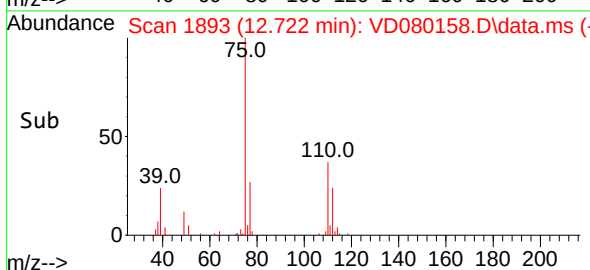
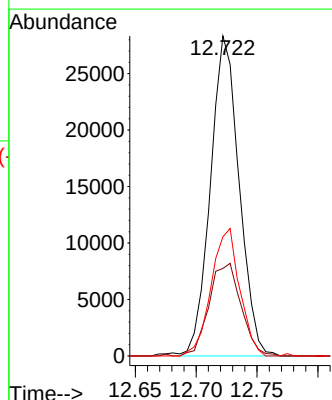
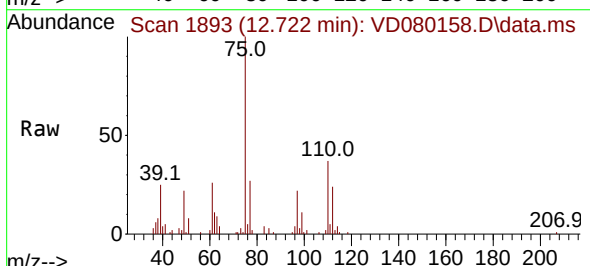
Tgt Ion: 75 Resp: 46431

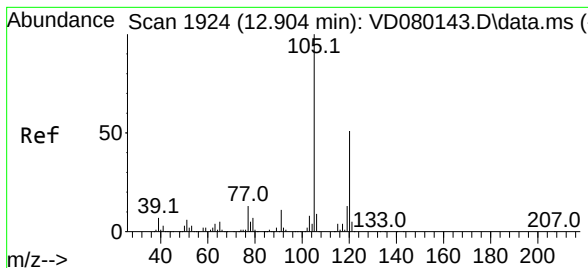
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

110 39.4 30.2 45.2

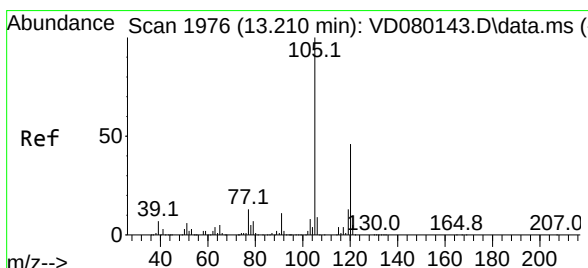
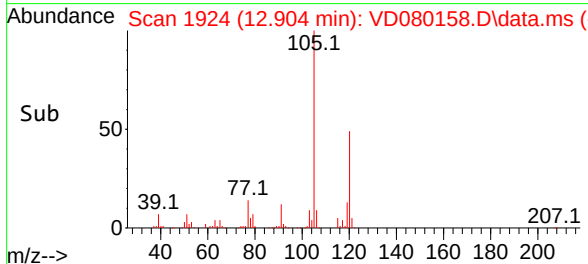
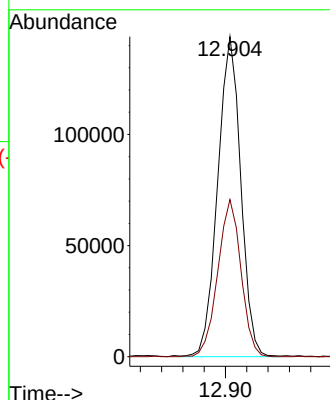
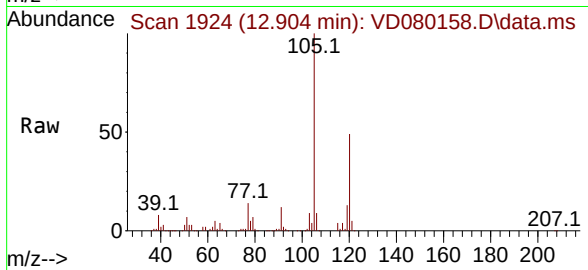




#62  
1,3,5-Trimethylbenzene  
Concen: 20.182 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

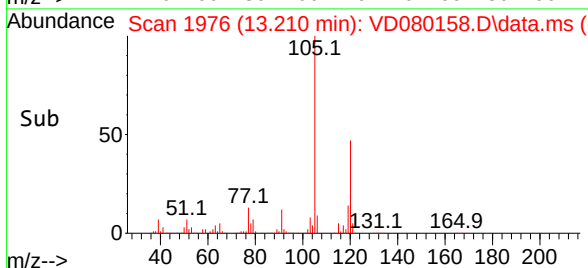
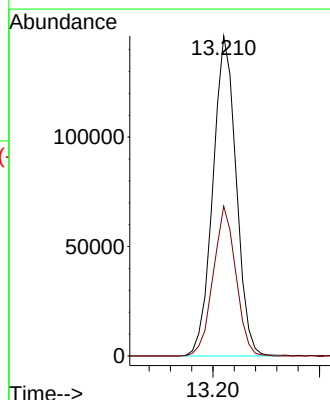
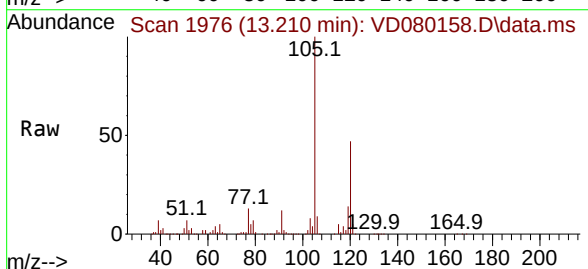
Instrument :  
MSVOA\_D  
ClientSampleId :

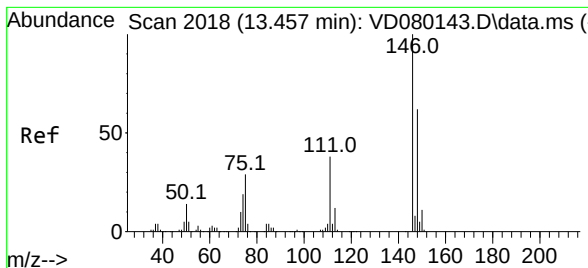
Tgt Ion:105 Resp: 216028  
Ion Ratio Lower Upper  
105 100  
120 49.4 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 21.801 ug/L  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

Tgt Ion:105 Resp: 222019  
Ion Ratio Lower Upper  
105 100  
120 45.4 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 22.062 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

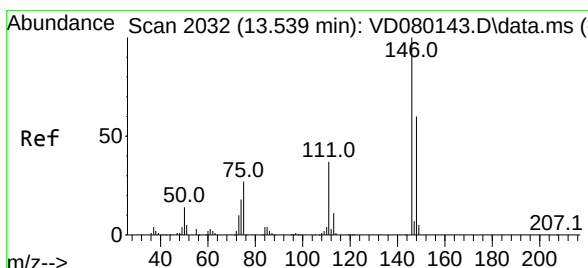
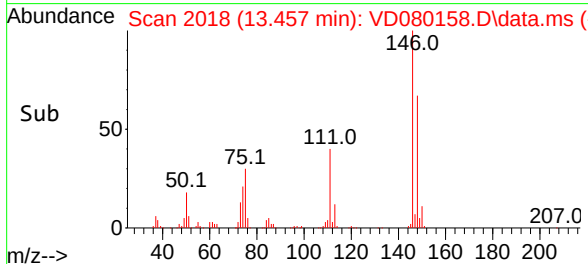
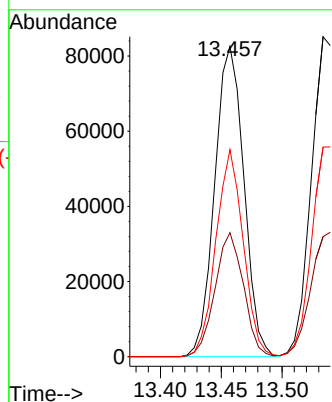
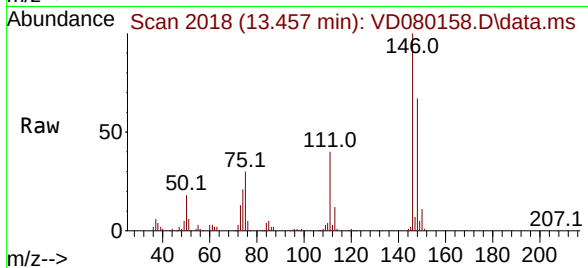
Tgt Ion:146 Resp: 137775

Ion Ratio Lower Upper

146 100

111 39.9 27.0 50.2

148 66.7 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 21.055 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

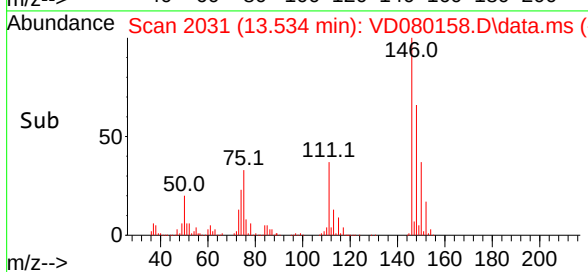
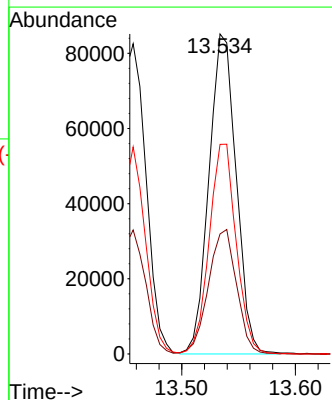
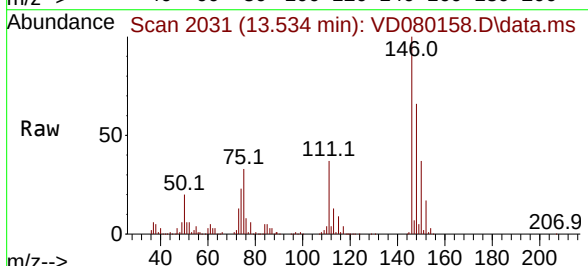
Tgt Ion:146 Resp: 141745

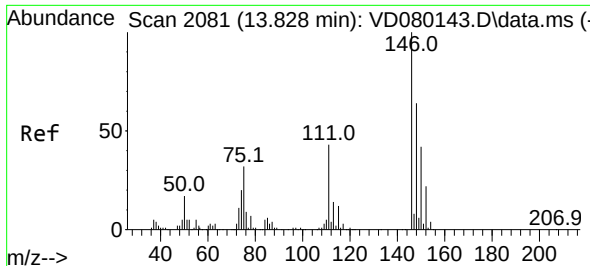
Ion Ratio Lower Upper

146 100

111 37.5 27.0 50.2

148 65.5 45.2 84.0

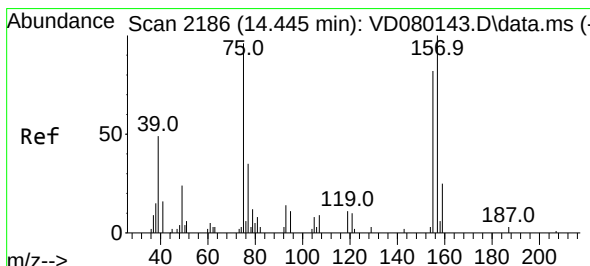
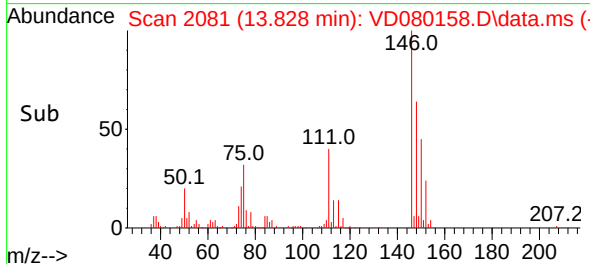
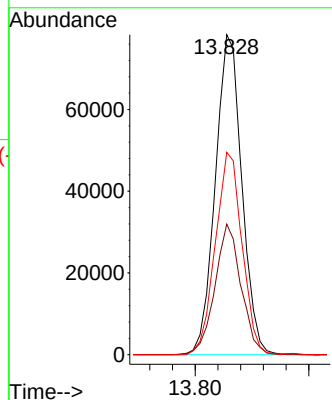
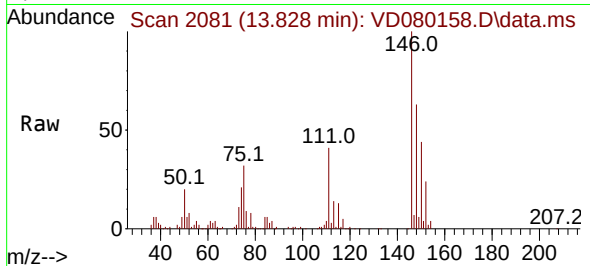




#67  
1,2-Dichlorobenzene  
Concen: 21.035 ug/L  
RT: 13.828 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

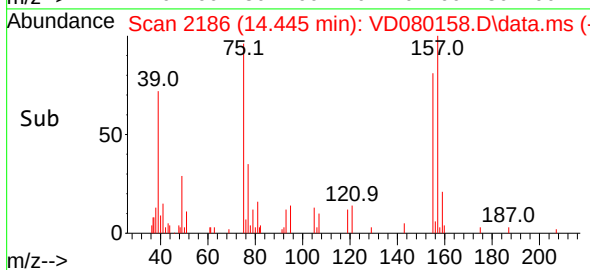
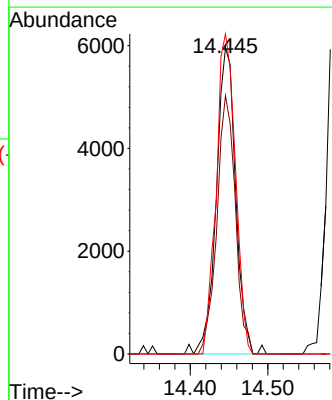
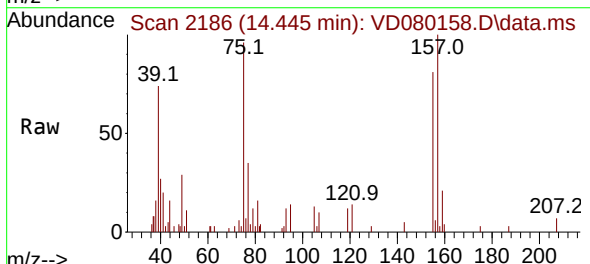
Instrument :  
MSVOA\_D  
ClientSampleId :

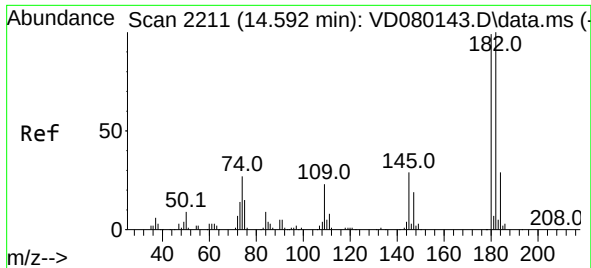
Tgt Ion:146 Resp: 126847  
Ion Ratio Lower Upper  
146 100  
111 40.8 32.8 49.2  
148 63.3 51.4 77.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 23.116 ug/L  
RT: 14.445 min Scan# 2186  
Delta R.T. 0.000 min  
Lab File: VD080158.D  
Acq: 12 Dec 2024 21:45

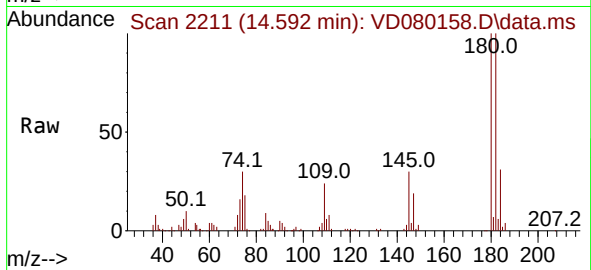
Tgt Ion: 75 Resp: 10370  
Ion Ratio Lower Upper  
75 100  
155 84.4 70.5 105.7  
157 104.5 86.6 129.8



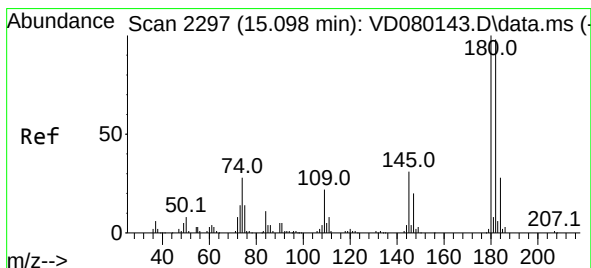
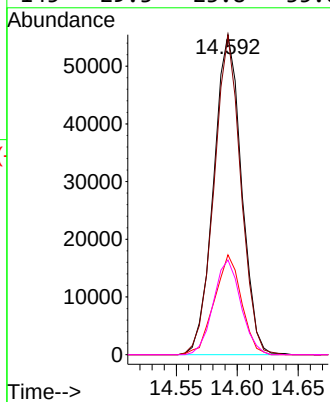
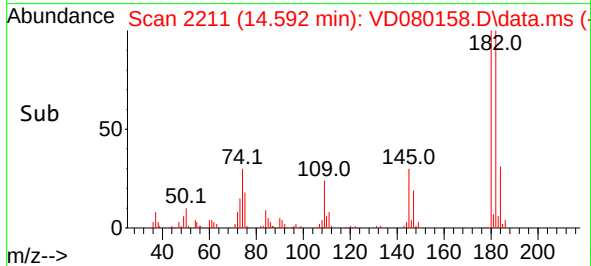


#69  
 1,3,5-Trichlorobenzene  
 Concen: 20.388 ug/L  
 RT: 14.592 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45

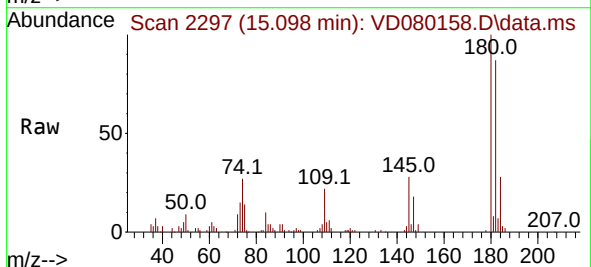
Instrument :  
 MSVOA\_D  
 ClientSampleId :



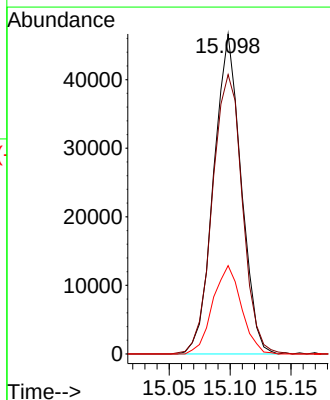
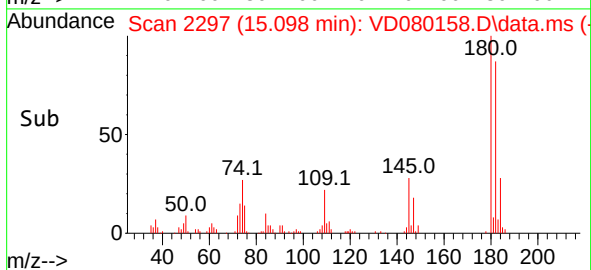
Tgt Ion:180 Resp: 87951  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 75.0 112.6  
 184 30.4 23.4 35.2  
 145 29.3 23.8 35.6

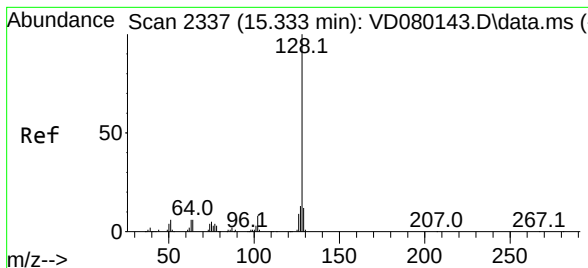


#70  
 1,2,4-trichlorobenzene  
 Concen: 21.258 ug/L  
 RT: 15.098 min Scan# 2297  
 Delta R.T. 0.000 min  
 Lab File: VD080158.D  
 Acq: 12 Dec 2024 21:45



Tgt Ion:180 Resp: 73308  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 77.0 115.4  
 145 28.7 23.4 35.2





#71

Naphthalene

Concen: 21.956 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Instrument :

MSVOA\_D

ClientSampleId :

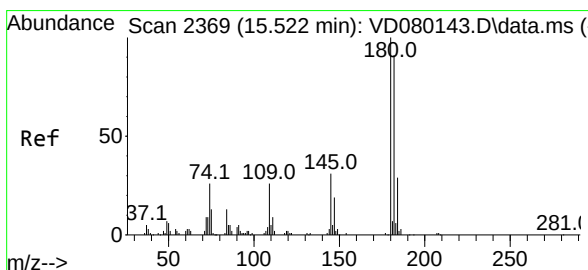
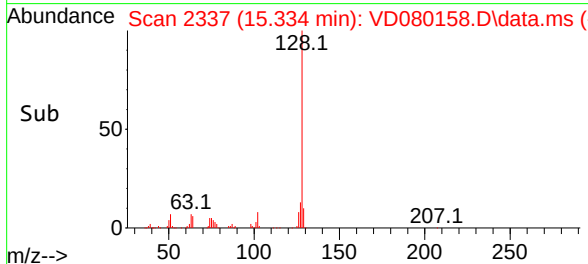
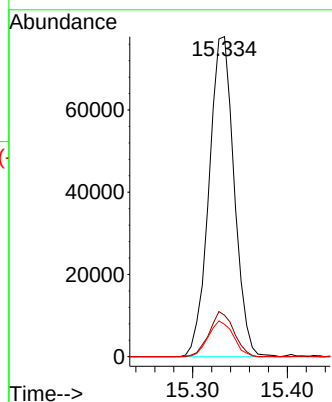
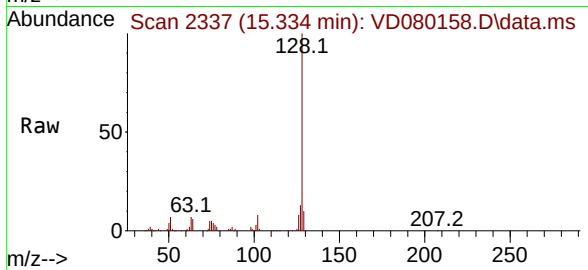
Tgt Ion:128 Resp: 143845

Ion Ratio Lower Upper

128 100

127 13.8 11.2 16.8

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 20.854 ug/L

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD080158.D

Acq: 12 Dec 2024 21:45

Tgt Ion:180 Resp: 72378

Ion Ratio Lower Upper

180 100

182 92.1 78.1 117.1

145 29.4 25.8 38.8

