

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100924\  
 Data File : VW030496.D  
 Acq On : 10 Oct 2024 00:23  
 Operator : SY/MD  
 Sample : P4329-20MSD  
 Misc : 5.29g/10mL/MSVOA\_W/SOIL/B  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4FB7MSD

Quant Time: Oct 10 01:34:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:29:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 334991   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 313782   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 150098   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 120979   | 22.976   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.920%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 99805    | 25.040   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.160% |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 49440    | 22.575   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.280%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 47273    | 49.887   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.780%  |
| 24) Chloroform-d              | 7.648  | 84    | 251929   | 26.297   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 132922   | 26.682   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.720% |
| 32) Benzene-d6                | 8.276  | 84    | 478385   | 26.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 105.080% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 141002   | 26.378   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 105.520% |
| 41) Toluene-d8                | 10.319 | 98    | 452758   | 27.233   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 108.920% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 59283    | 26.486   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.960% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 38342    | 55.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 104159   | 26.533   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.120% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 145204   | 28.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 114.360% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 85020    | 19.865   | ug/L   | 94       |
| 3) Chloromethane              | 2.229  | 50    | 121732   | 24.472   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 138925   | 22.710   | ug/L   | 97       |
| 6) Bromomethane               | 2.790  | 94    | 94676    | 23.514   | ug/L   | 94       |
| 8) Chloroethane               | 2.936  | 64    | 87150    | 23.305   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 116118   | 21.214   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 106401   | 21.606   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 100346   | 22.327   | ug/L   | 82       |
| 13) Acetone                   | 4.125  | 43    | 48744    | 35.136   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 334577   | 22.797   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 41245    | 24.068   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 109871   | 21.695   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 117989   | 24.329   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 171101   | 25.208   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 216571   | 24.027   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 127201   | 24.590   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 62203    | 41.596   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.520  | 128   | 54169    | 23.937   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 234952   | 24.392   | ug/L   | 98       |

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 ALS Vial : 27 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:29:22 2024  
 Response via : Initial Calibration

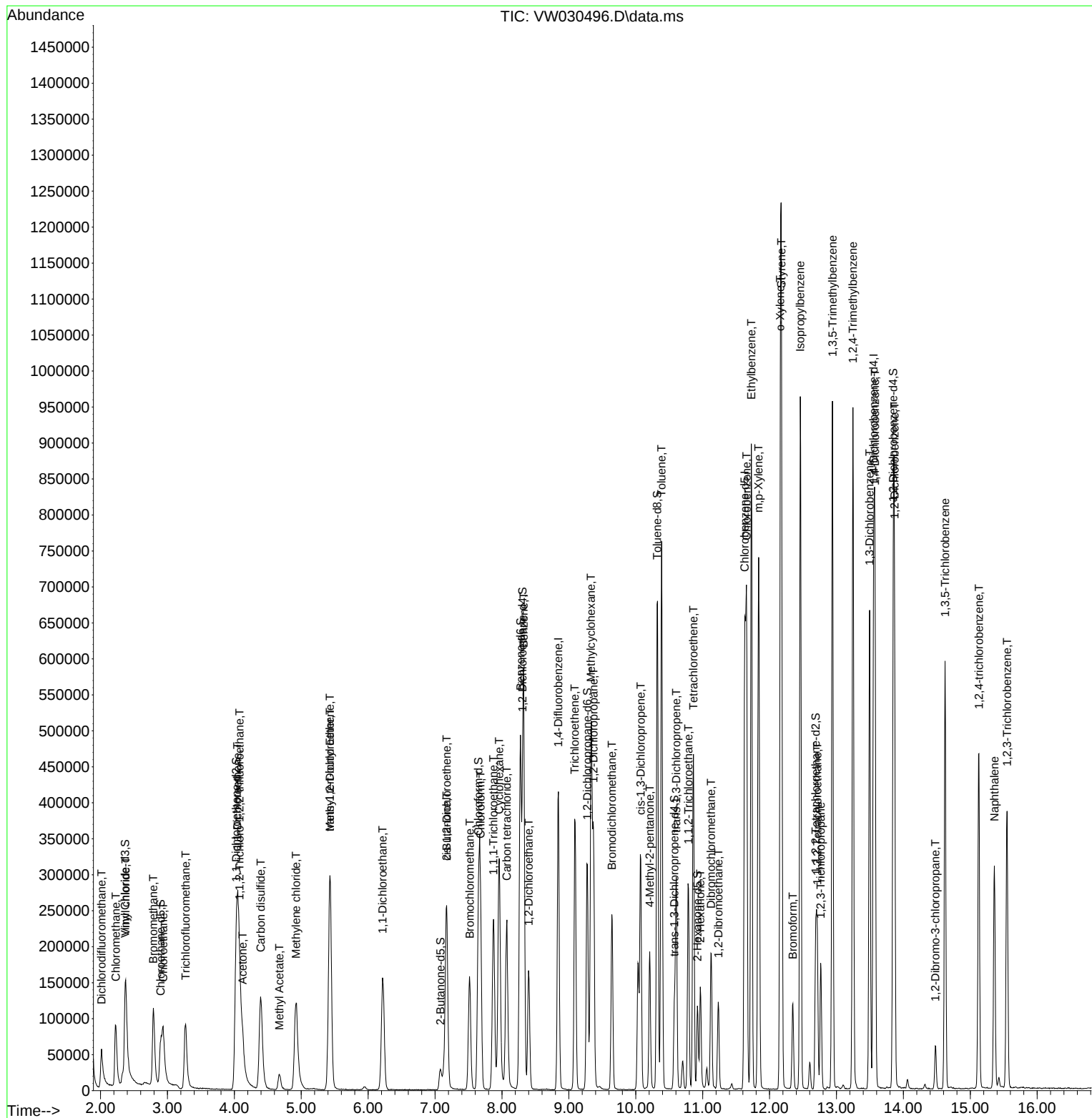
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 153117   | 24.095 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 180386   | 23.616 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 188365   | 22.614 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 167433   | 22.506 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 489646   | 23.979 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 129275   | 22.756 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 204335   | 22.855 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 120864   | 23.699 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 161922   | 23.864 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 187803   | 24.414 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 119510   | 48.779 | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 536982   | 24.650 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 155878   | 24.114 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 87188    | 23.655 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 99093    | 23.650 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 88989    | 44.415 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 98772    | 24.017 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 81102    | 23.581 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 326765   | 23.301 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 606679   | 24.406 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 223703   | 24.021 | ug/L   | 91       |
| 54) o-Xylene                  | 12.160 | 106  | 209818   | 24.370 | ug/L   | 86       |
| 55) Styrene                   | 12.178 | 104  | 368966   | 25.068 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 96599    | 23.241 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 50525    | 23.959 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.459 | 105  | 585811   | 25.202 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 68815    | 23.561 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 485662   | 26.483 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 487892   | 27.173 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 242203   | 23.938 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 263646   | 25.236 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 228450   | 25.659 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14977    | 22.997 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 167294   | 25.074 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 138412   | 25.769 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 262548   | 28.293 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 118093   | 25.362 | ug/L   | 97       |

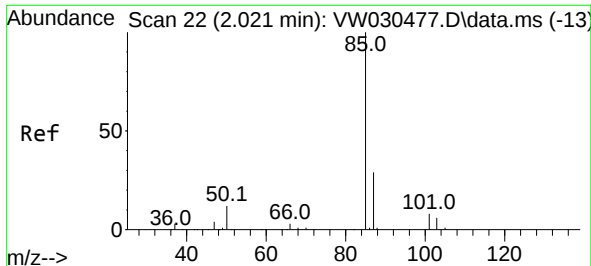
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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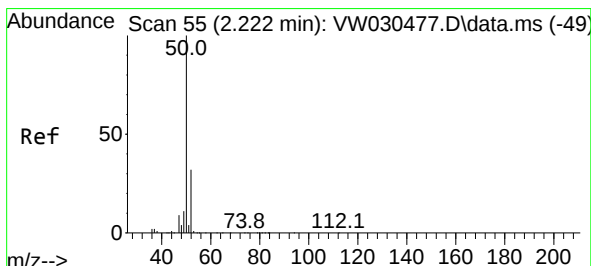
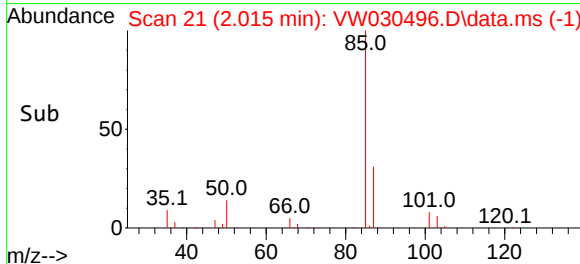
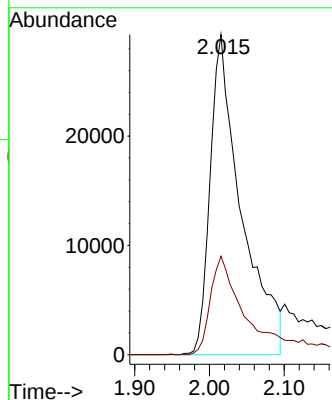
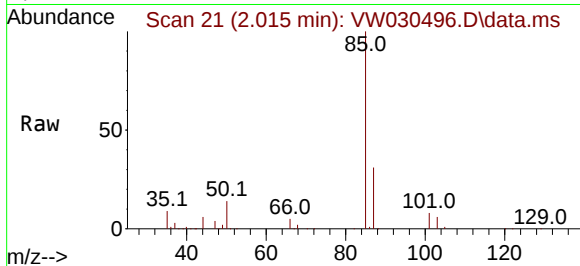




#2  
 Dichlorodifluoromethane  
 Concen: 19.865 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

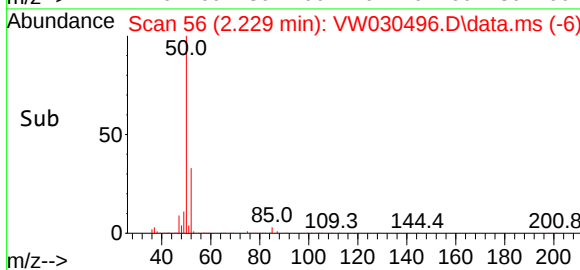
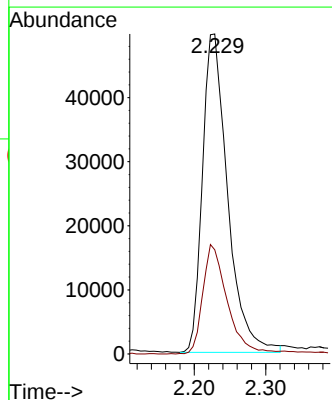
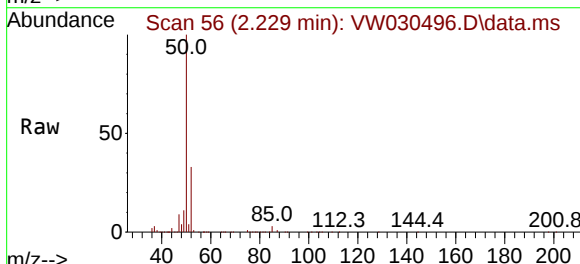
Instrument :  
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 ClientSampleId :  
 A4FB7MSD

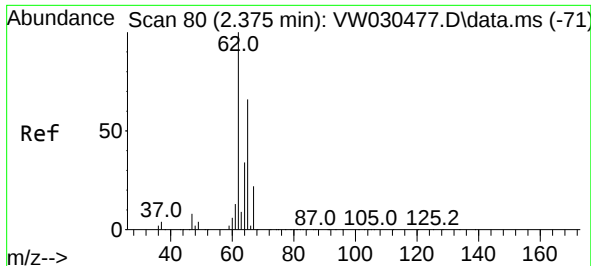
Tgt Ion: 85 Resp: 85020  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 23.8 35.6



#3  
 Chloromethane  
 Concen: 24.472 ug/L  
 RT: 2.229 min Scan# 56  
 Delta R.T. 0.006 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

Tgt Ion: 50 Resp: 121732  
 Ion Ratio Lower Upper  
 50 100  
 52 32.5 23.7 43.9

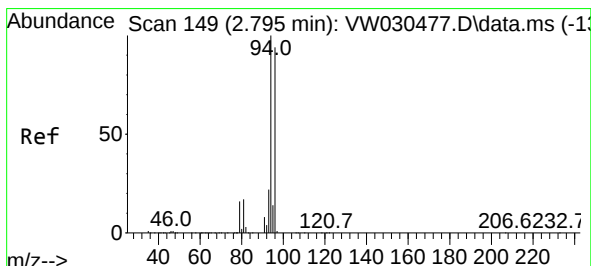
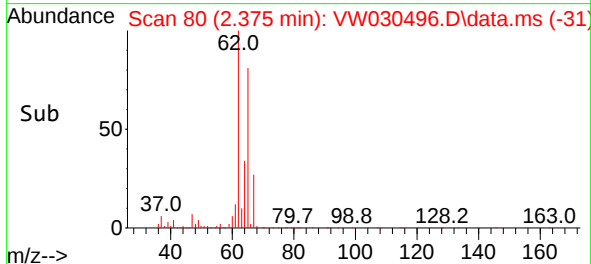
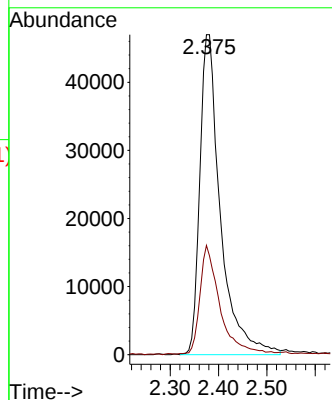
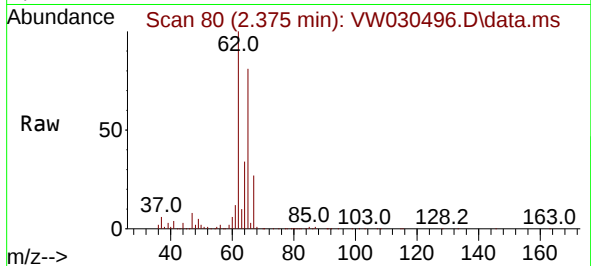




#5  
 Vinyl chloride  
 Concen: 22.710 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

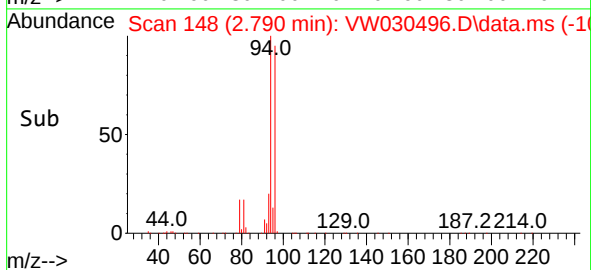
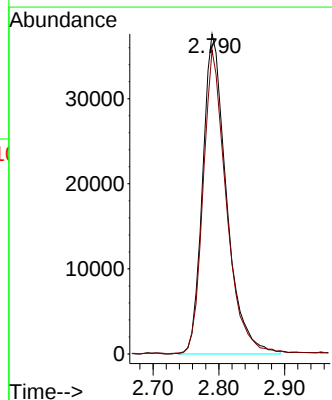
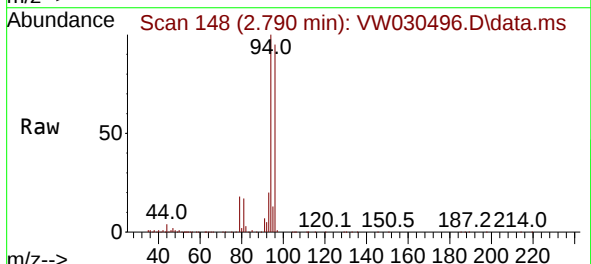
Instrument :  
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 ClientSampleId :  
 A4FB7MSD

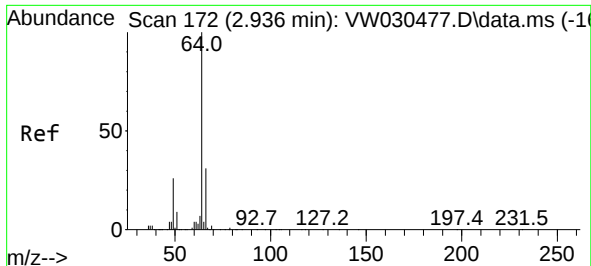
Tgt Ion: 62 Resp: 138925  
 Ion Ratio Lower Upper  
 62 100  
 64 34.1 22.6 42.0



#6  
 Bromomethane  
 Concen: 23.514 ug/L  
 RT: 2.790 min Scan# 148  
 Delta R.T. -0.006 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

Tgt Ion: 94 Resp: 94676  
 Ion Ratio Lower Upper  
 94 100  
 96 95.0 62.6 116.2

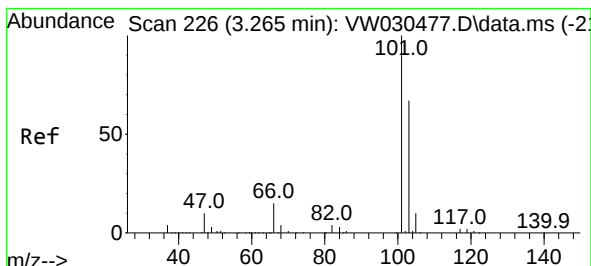
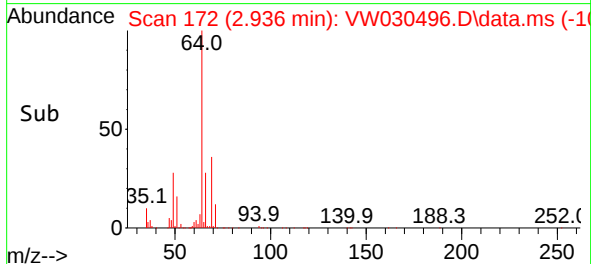
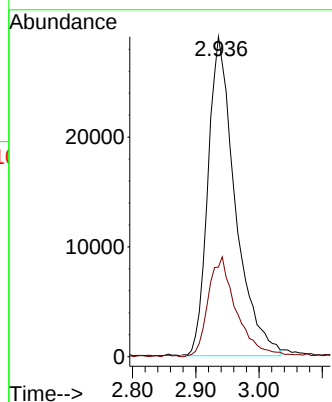
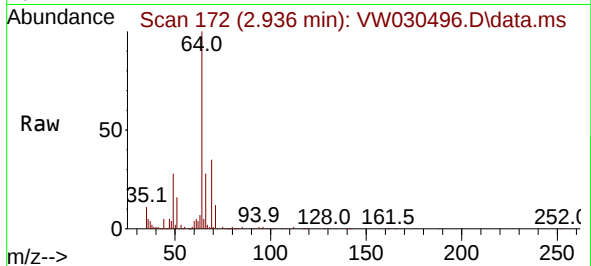




#8  
Chloroethane  
Concen: 23.305 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

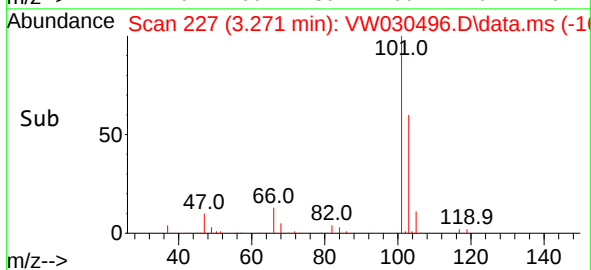
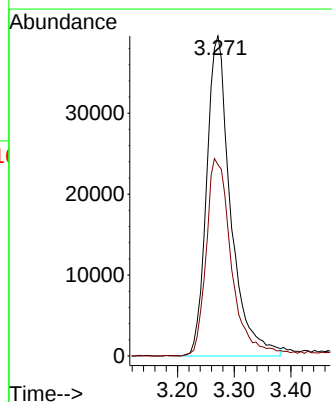
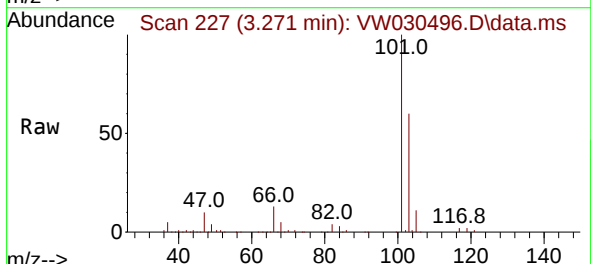
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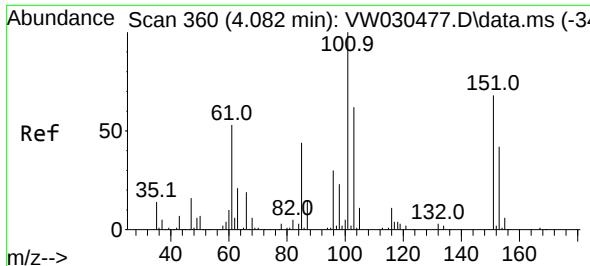
Tgt Ion: 64 Resp: 87150  
Ion Ratio Lower Upper  
64 100  
66 28.0 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 21.214 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:101 Resp: 116118  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.1 76.7

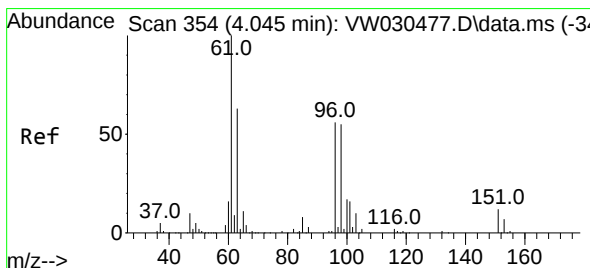
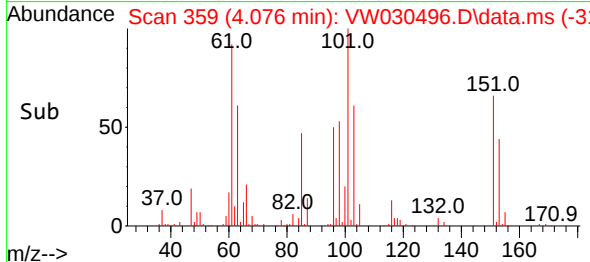
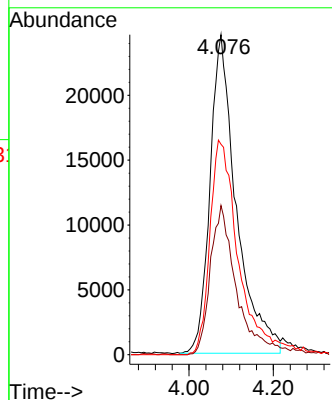
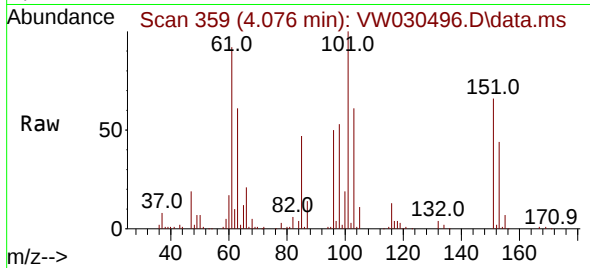




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.606 ug/L  
 RT: 4.076 min Scan# 310  
 Delta R.T. -0.006 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

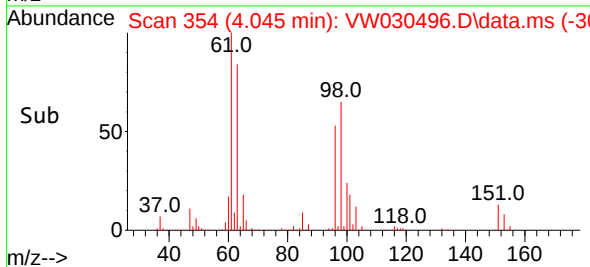
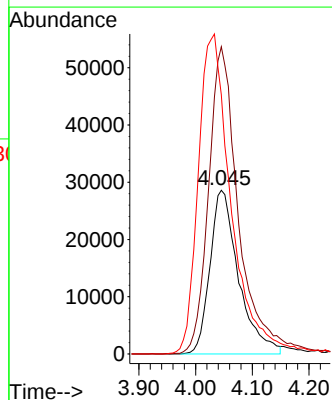
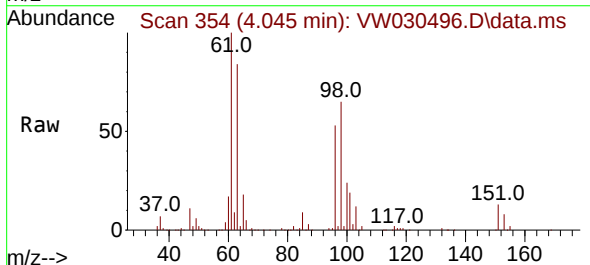
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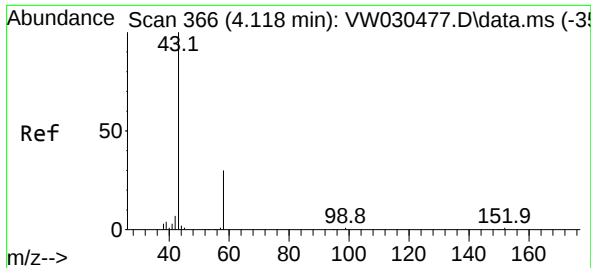
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 Ion Ratio Lower Upper  
 101 100  
 85 45.1 35.7 53.5  
 151 70.6 56.1 84.1



#12  
 1,1-Dichloroethene  
 Concen: 22.327 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

Tgt Ion: 96 Resp: 100346  
 Ion Ratio Lower Upper  
 96 100  
 61 187.6 121.3 225.3  
 63 158.3 87.6 162.8

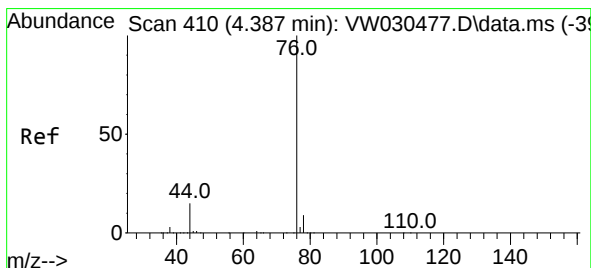
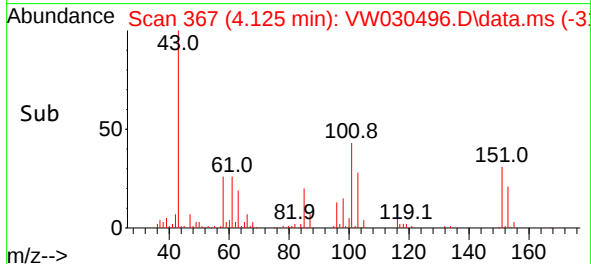
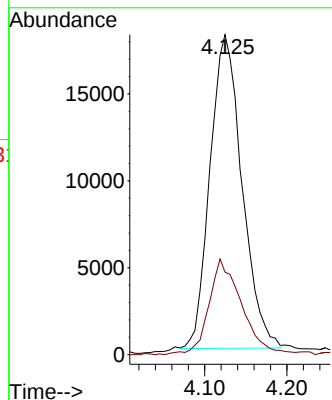
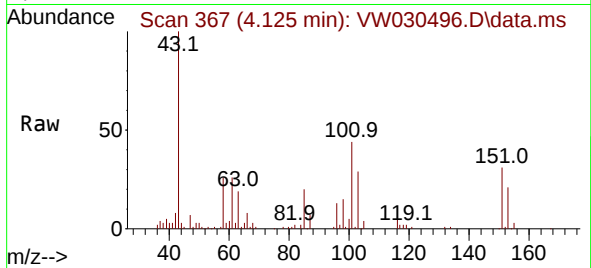




#13  
Acetone  
Concen: 35.136 ug/L  
RT: 4.125 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

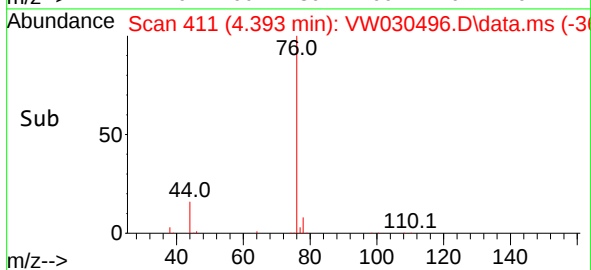
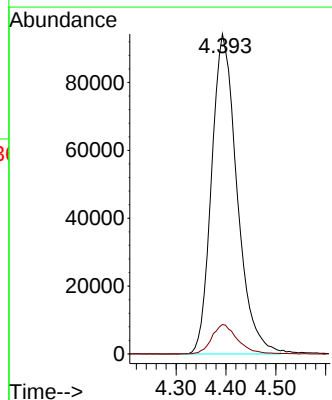
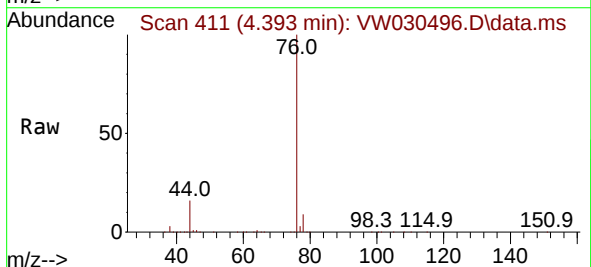
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

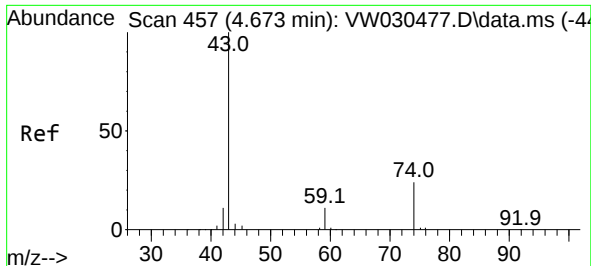
Tgt Ion: 43 Resp: 48744  
Ion Ratio Lower Upper  
43 100  
58 30.8 0.0 57.6



#14  
Carbon disulfide  
Concen: 22.797 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 76 Resp: 334577  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7

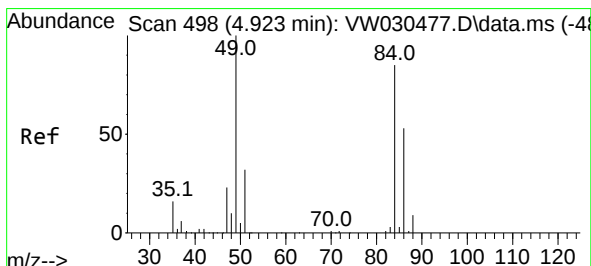
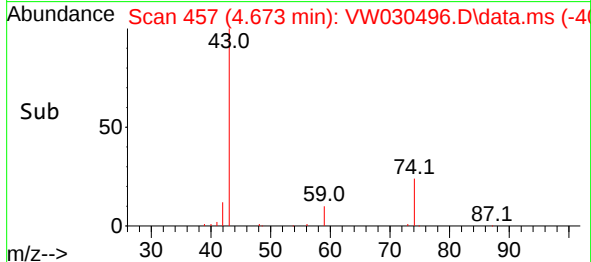
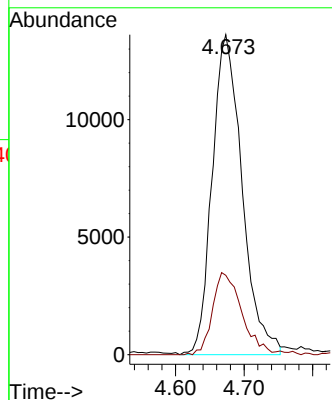
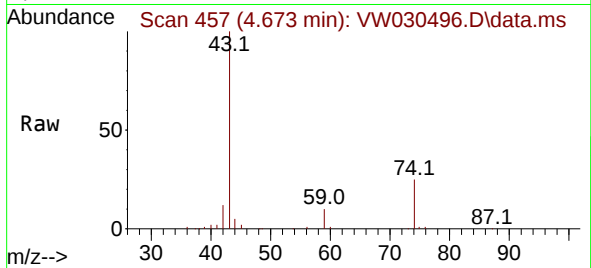




#15  
Methyl Acetate  
Concen: 24.068 ug/L  
RT: 4.673 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

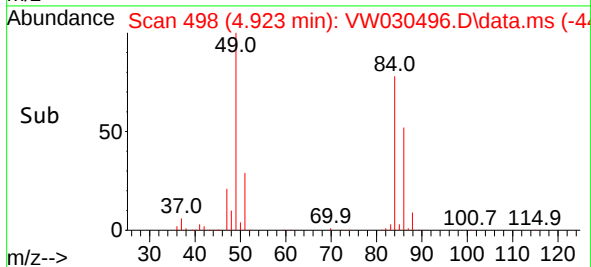
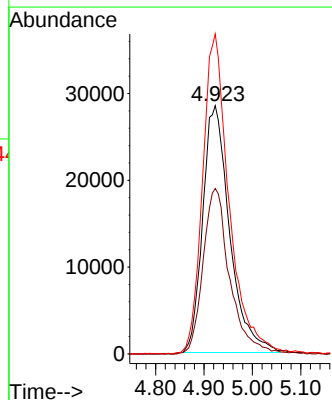
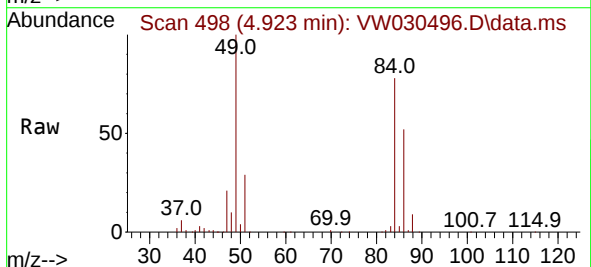
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

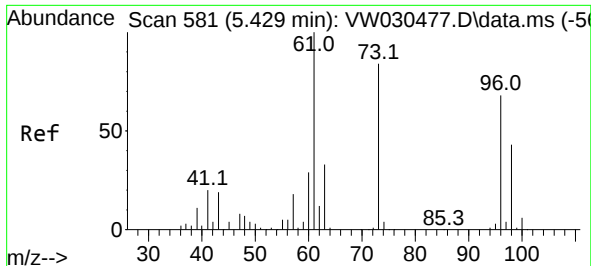
Tgt Ion: 43 Resp: 41245  
Ion Ratio Lower Upper  
43 100  
74 24.8 19.3 28.9



#16  
Methylene chloride  
Concen: 21.695 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 84 Resp: 109871  
Ion Ratio Lower Upper  
84 100  
86 66.6 43.8 81.3  
49 128.9 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 24.329 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

A4FB7MSD

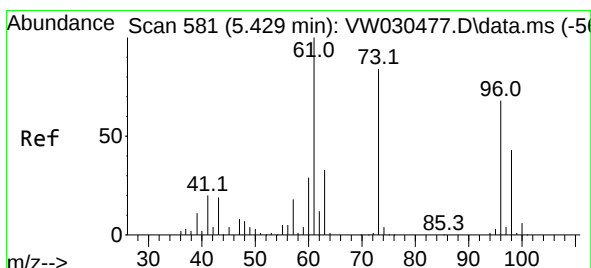
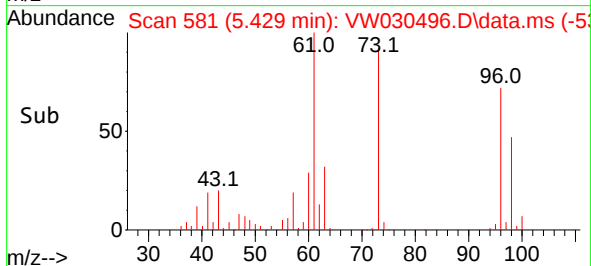
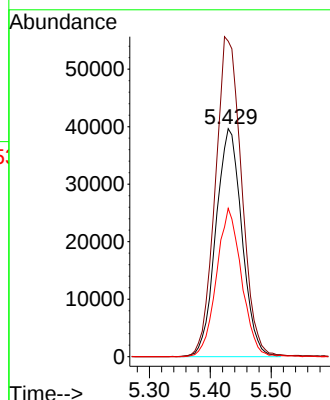
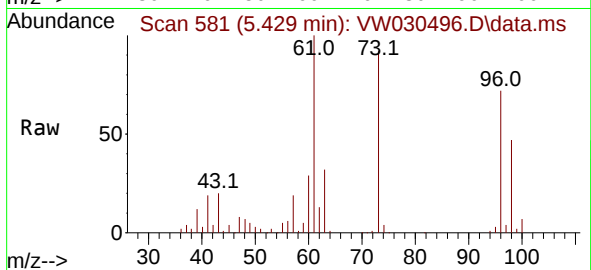
Tgt Ion: 96 Resp: 117989

Ion Ratio Lower Upper

96 100

61 138.4 96.9 179.9

98 65.0 42.2 78.4



#18

Methyl tert-butyl Ether

Concen: 25.208 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

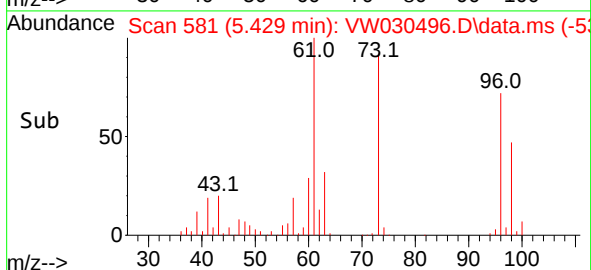
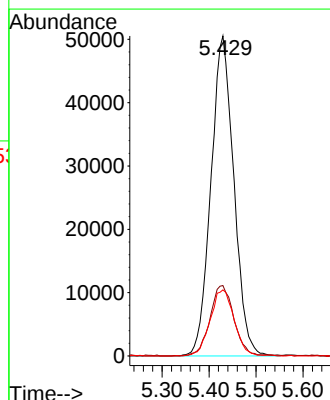
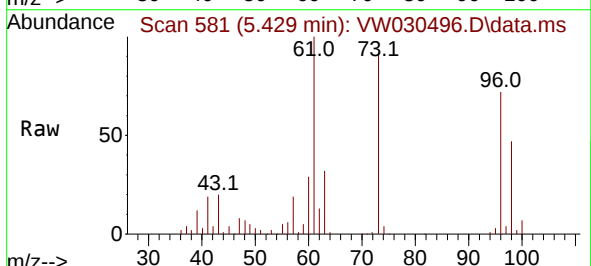
Tgt Ion: 73 Resp: 171101

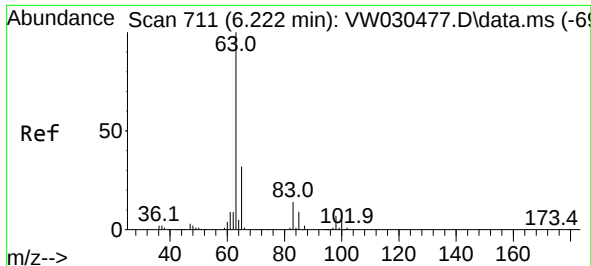
Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

57 21.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 24.027 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

A4FB7MSD

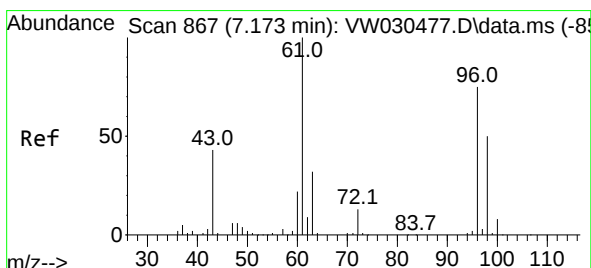
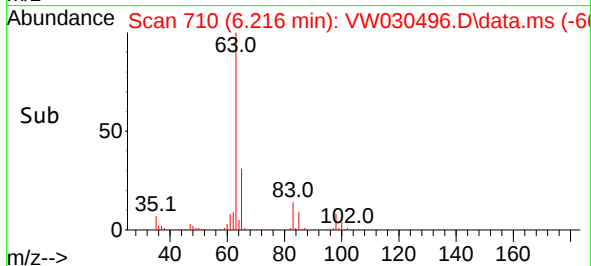
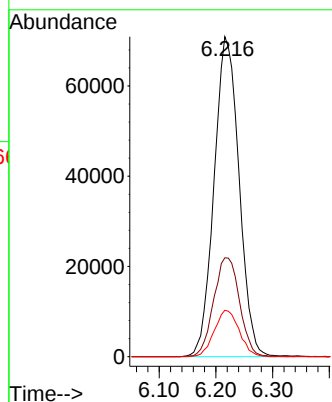
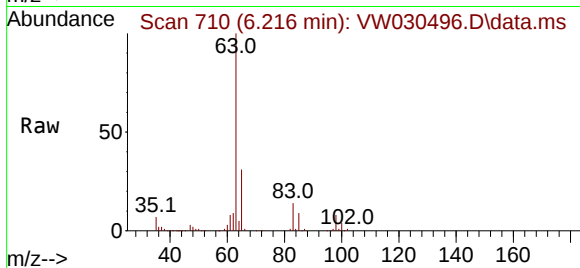
Tgt Ion: 63 Resp: 216571

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.9

83 14.5 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 24.590 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

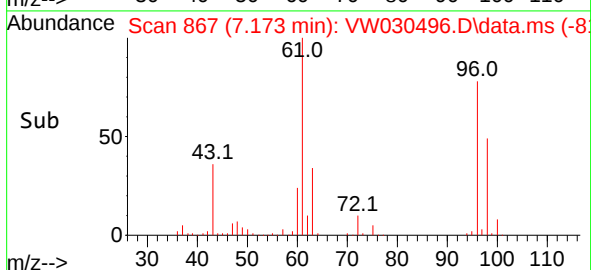
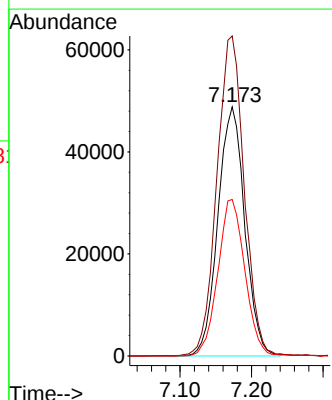
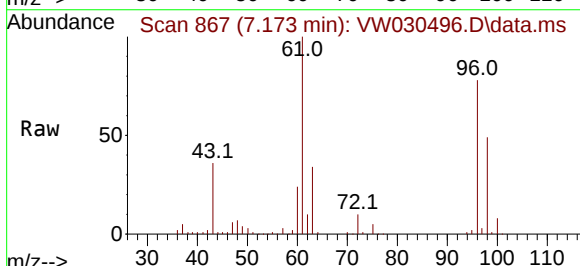
Tgt Ion: 96 Resp: 127201

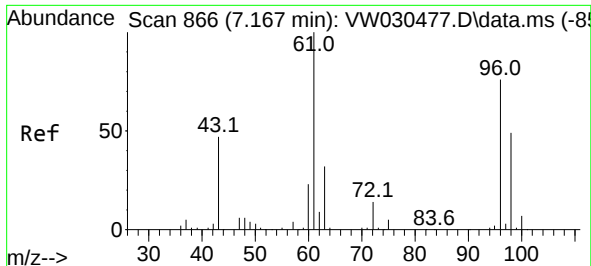
Ion Ratio Lower Upper

96 100

61 128.4 88.3 163.9

98 62.8 41.3 76.7

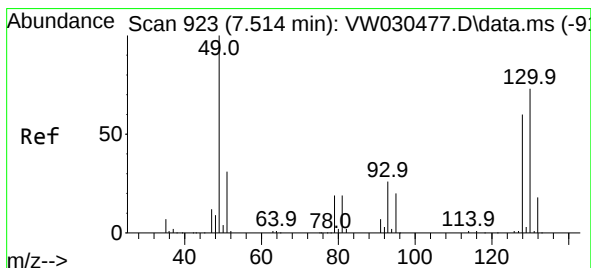
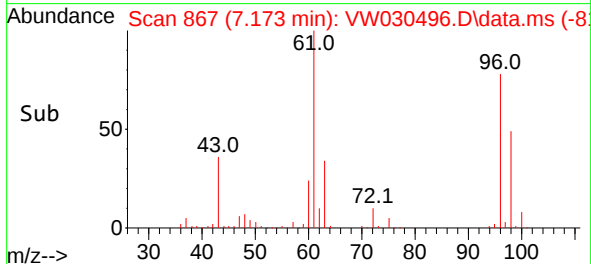
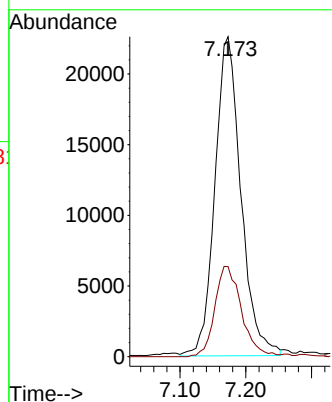
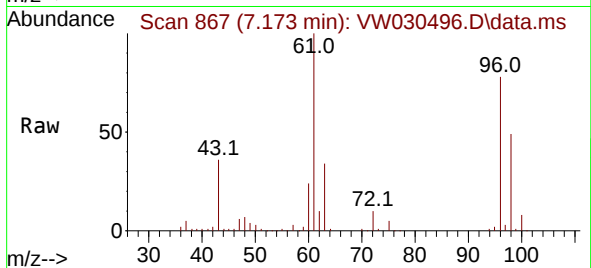




#22  
2-Butanone  
Concen: 41.596 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

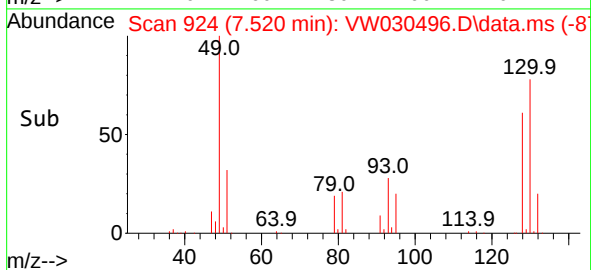
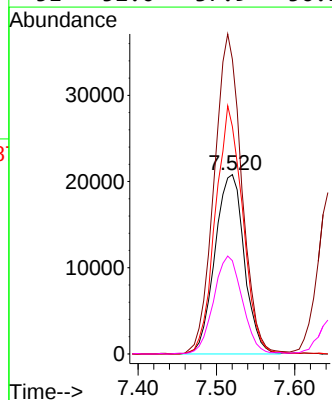
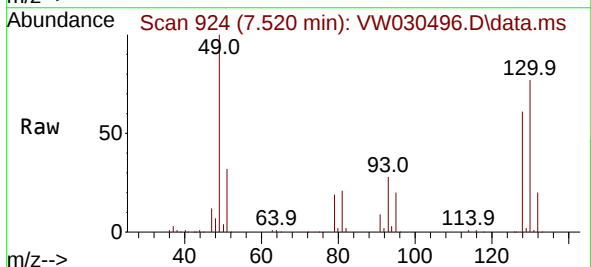
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

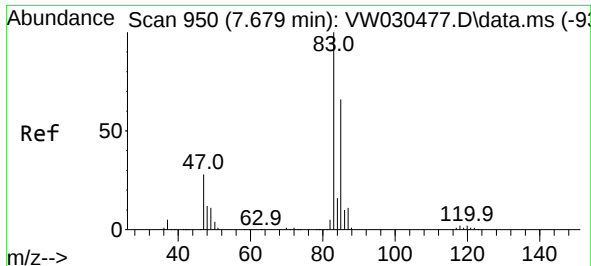
Tgt Ion: 43 Resp: 62203  
Ion Ratio Lower Upper  
43 100  
72 28.9 14.4 43.0



#23  
Bromochloromethane  
Concen: 23.937 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 128 Resp: 54169  
Ion Ratio Lower Upper  
128 100  
49 164.4 110.1 204.5  
130 126.9 82.9 153.9  
51 52.0 37.9 56.9

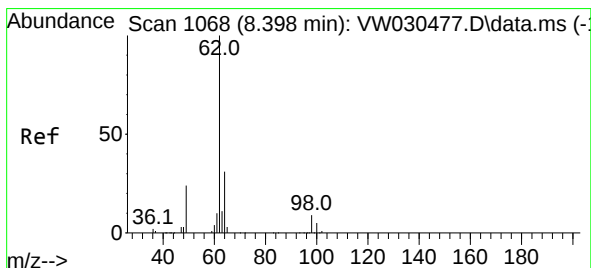
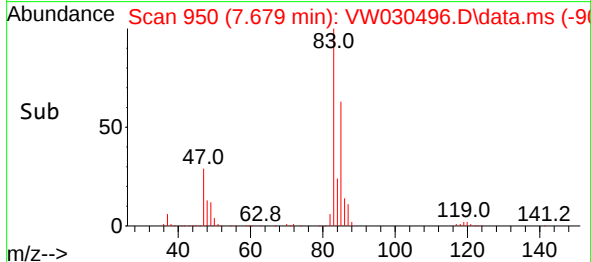
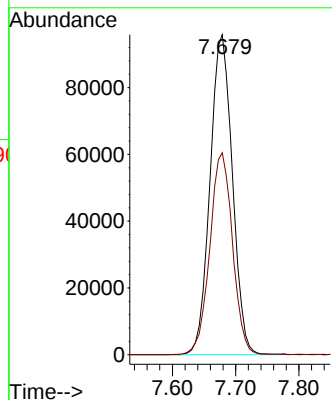
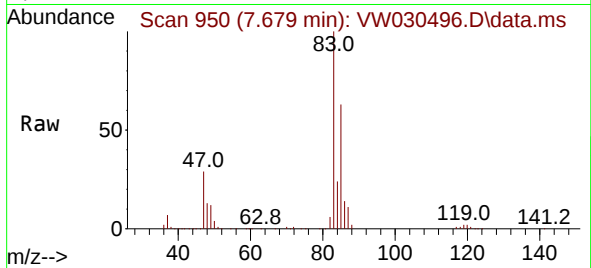




#25  
Chloroform  
Concen: 24.392 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

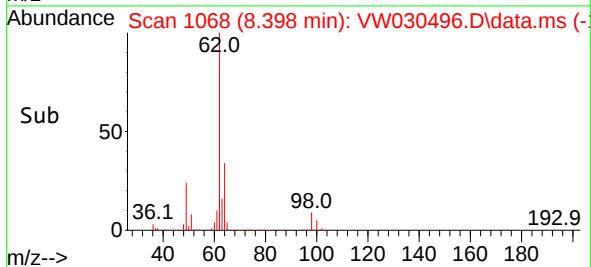
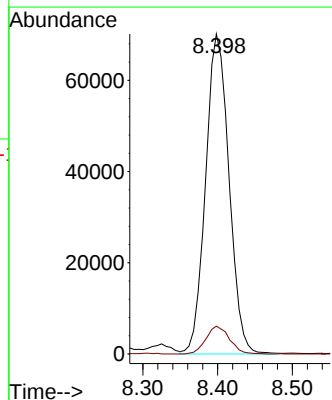
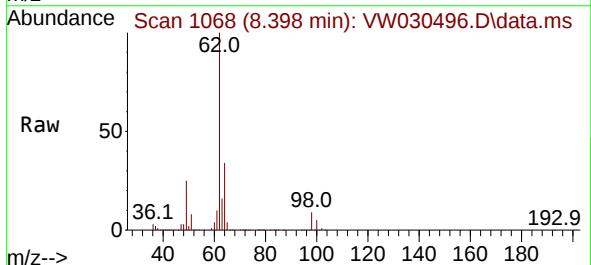
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

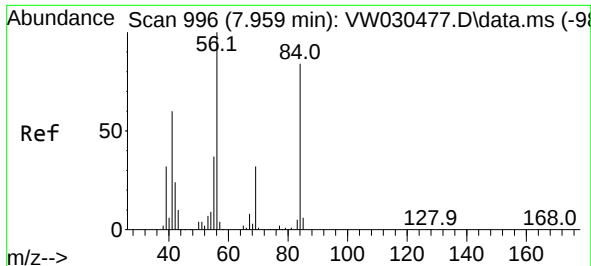
Tgt Ion: 83 Resp: 234952  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 24.095 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 62 Resp: 153117  
Ion Ratio Lower Upper  
62 100  
98 8.7 7.0 10.6





#29

Cyclohexane

Concen: 23.616 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

A4FB7MSD

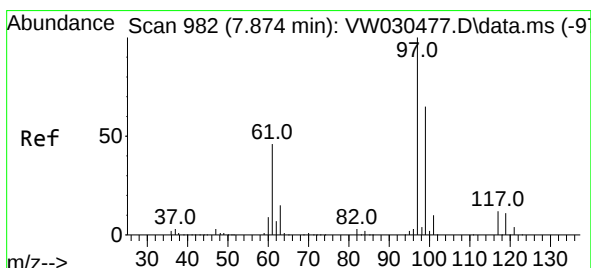
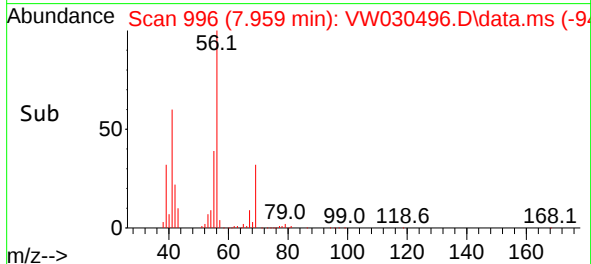
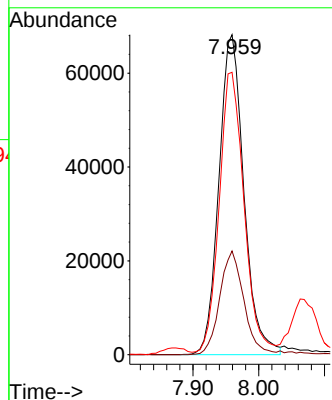
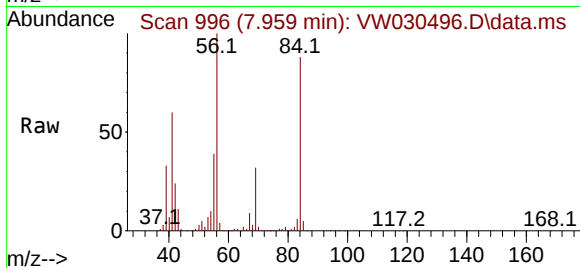
Tgt Ion: 56 Resp: 180386

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.0

84 88.0 72.3 108.5



#30

1,1,1-Trichloroethane

Concen: 22.614 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

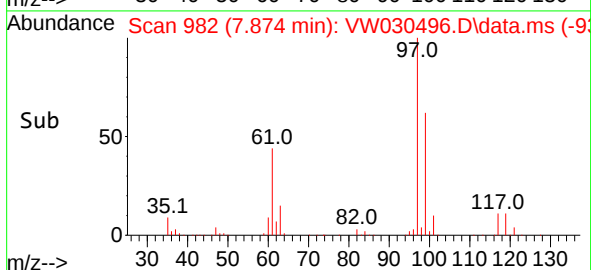
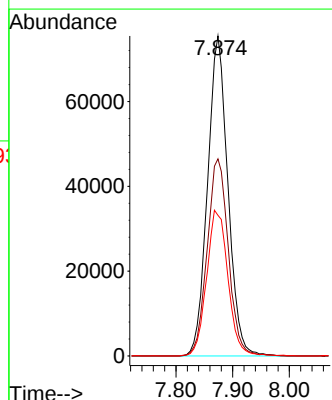
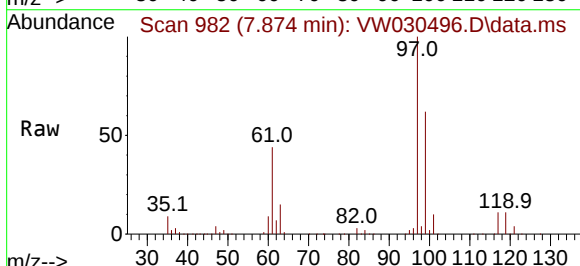
Tgt Ion: 97 Resp: 188365

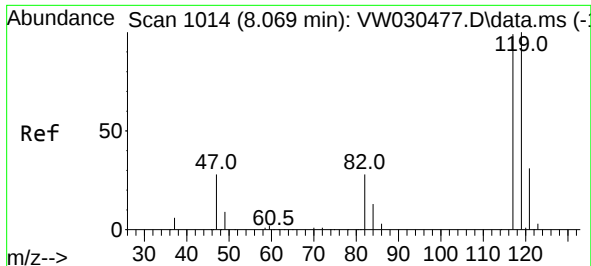
Ion Ratio Lower Upper

97 100

99 64.0 52.3 78.5

61 47.9 38.5 57.7

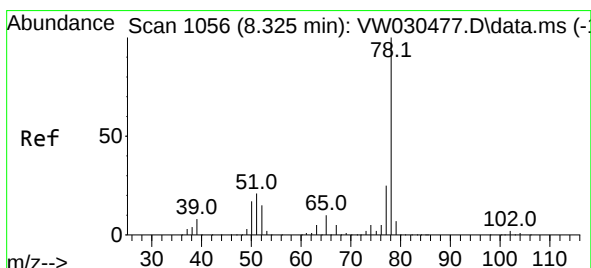
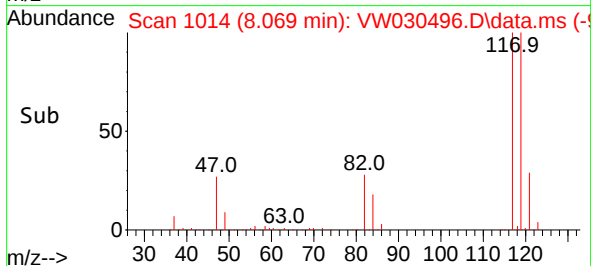
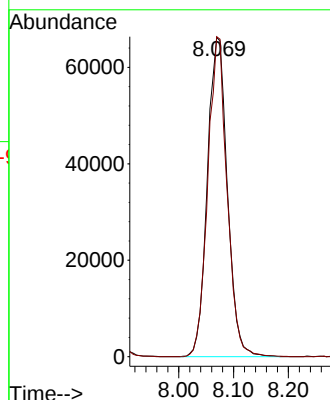
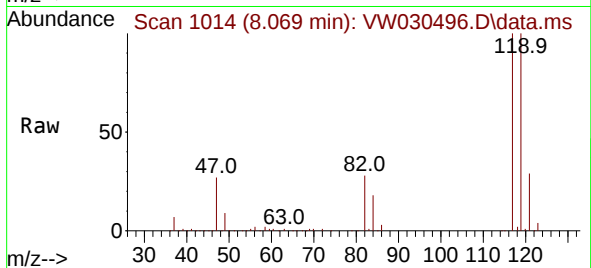




#31  
Carbon tetrachloride  
Concen: 22.506 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

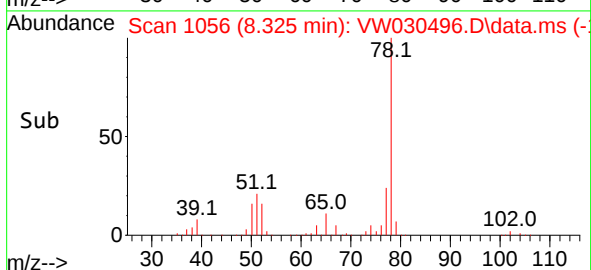
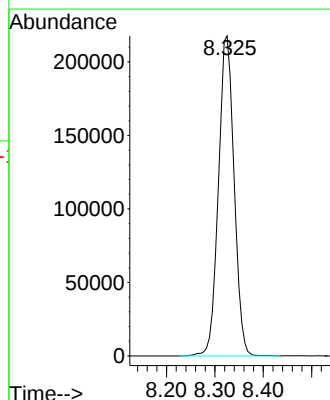
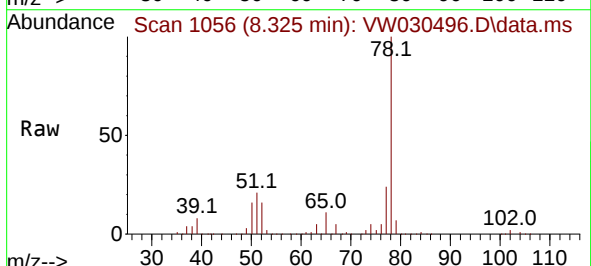
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

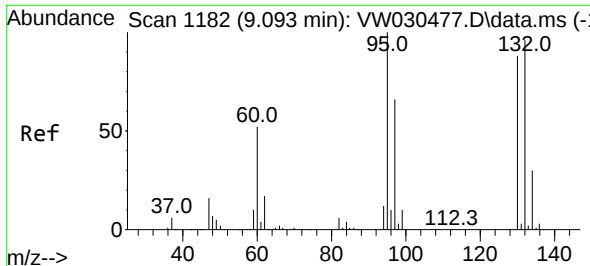
Tgt Ion:117 Resp: 167433  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.8 116.8



#33  
Benzene  
Concen: 23.979 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 78 Resp: 489646

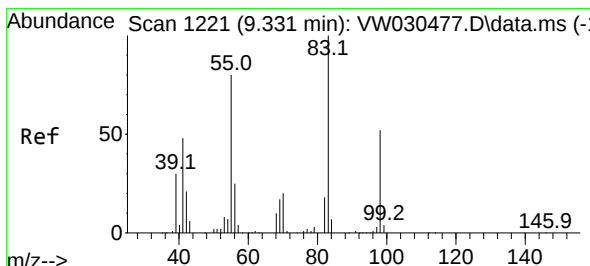
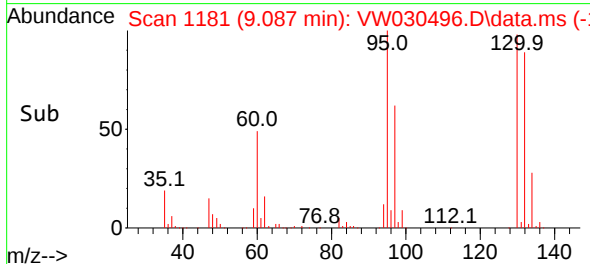
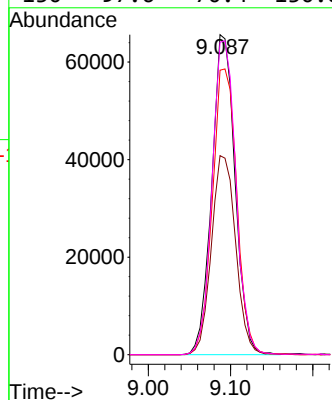
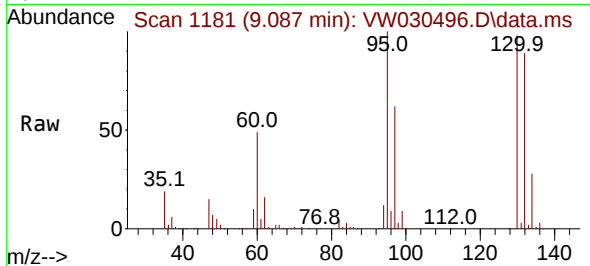




#34  
Trichloroethene  
Concen: 22.756 ug/L  
RT: 9.087 min Scan# 1182  
Delta R.T. -0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

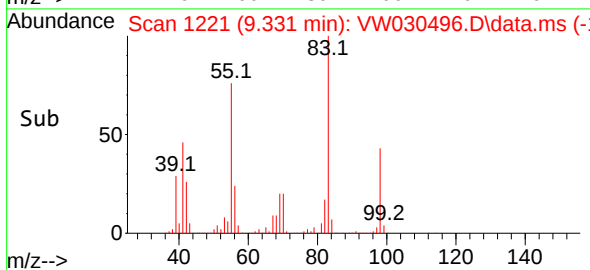
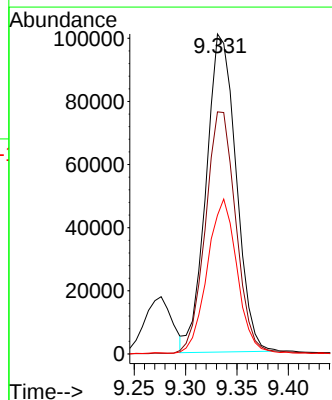
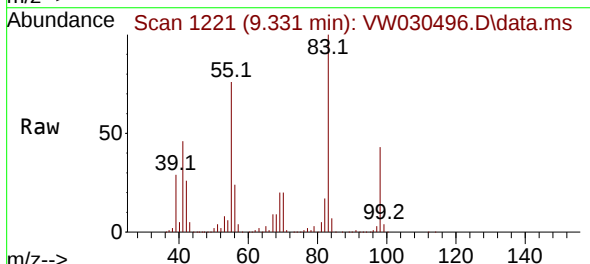
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

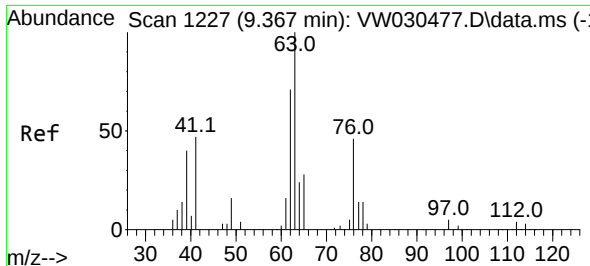
Tgt Ion: 95 Resp: 129275  
Ion Ratio Lower Upper  
95 100  
97 62.2 45.9 85.3  
132 88.9 66.4 123.2  
130 97.6 70.4 130.8



#35  
Methylcyclohexane  
Concen: 22.855 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 83 Resp: 204335  
Ion Ratio Lower Upper  
83 100  
55 78.2 61.8 92.8  
98 48.9 39.3 58.9





#37

1,2-Dichloropropane

Concen: 23.699 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

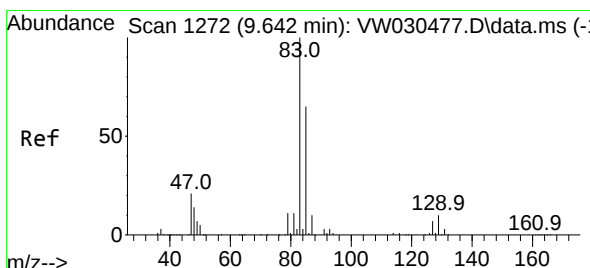
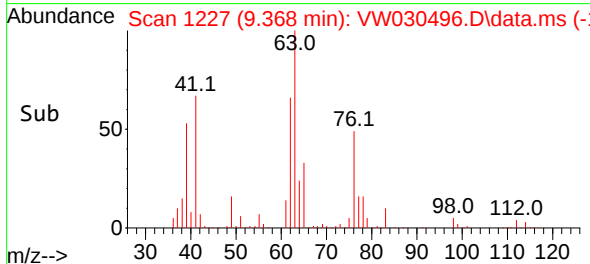
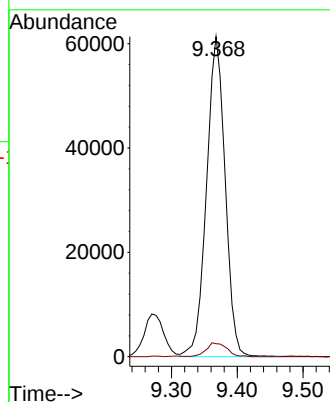
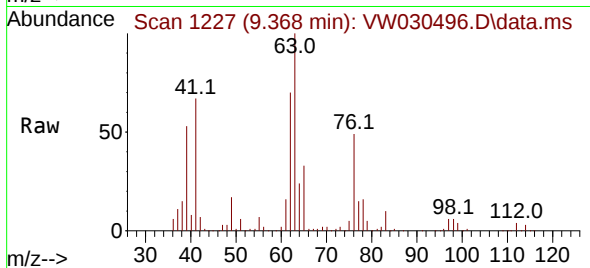
A4FB7MSD

Tgt Ion: 63 Resp: 120864

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 23.864 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

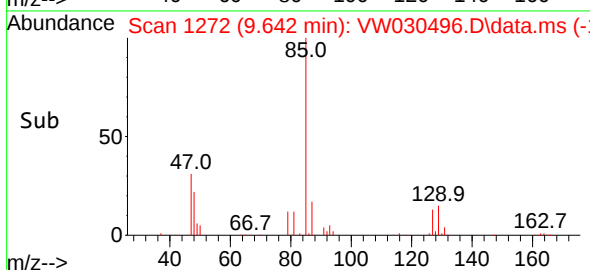
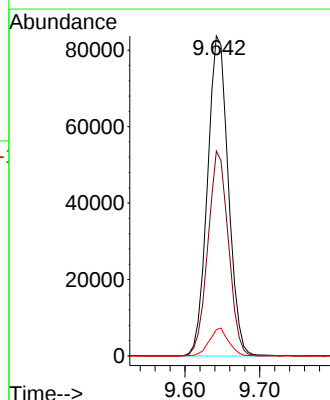
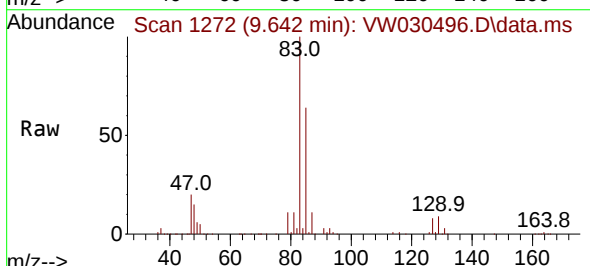
Tgt Ion: 83 Resp: 161922

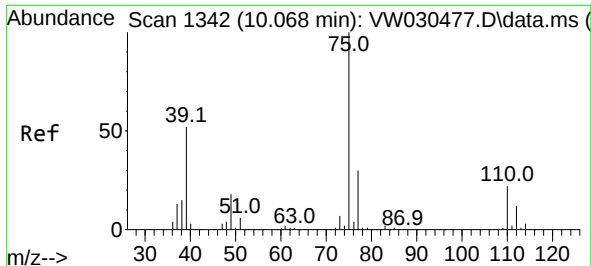
Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.0

127 8.3 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 24.414 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

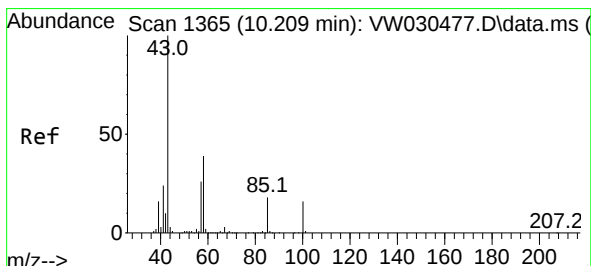
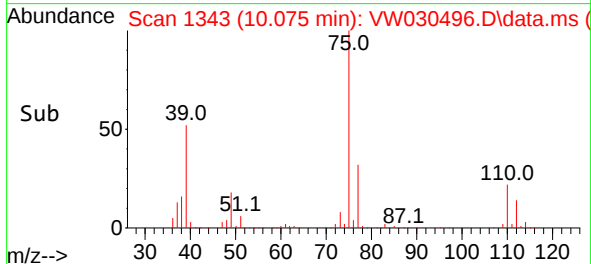
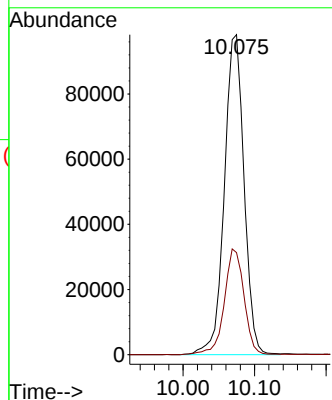
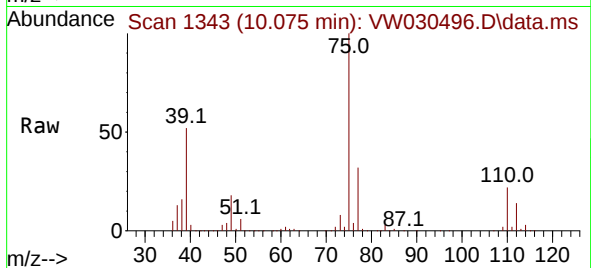
A4FB7MSD

Tgt Ion: 75 Resp: 187803

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 48.779 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

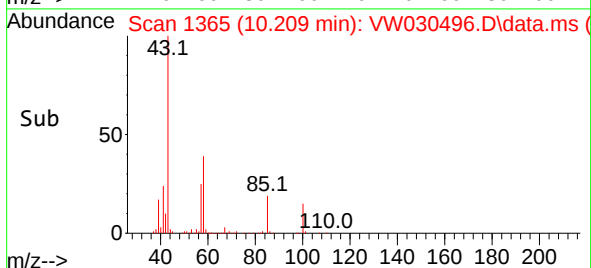
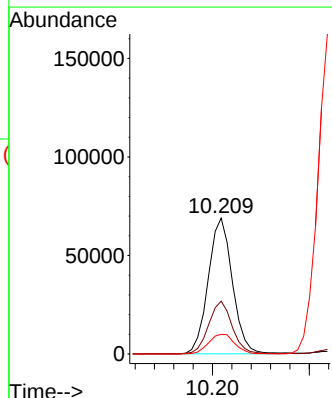
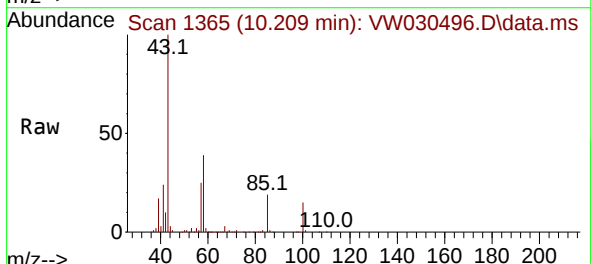
Tgt Ion: 43 Resp: 119510

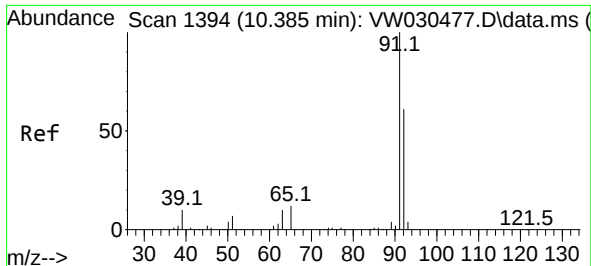
Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.2

100 15.8 13.1 19.7

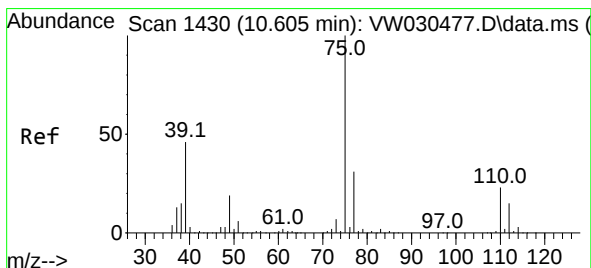
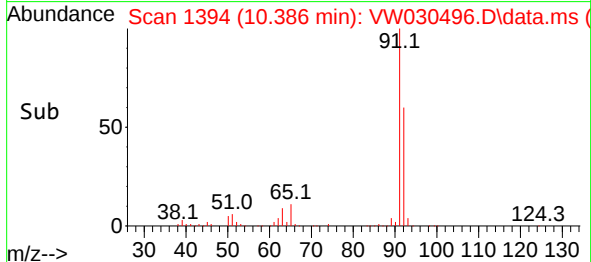
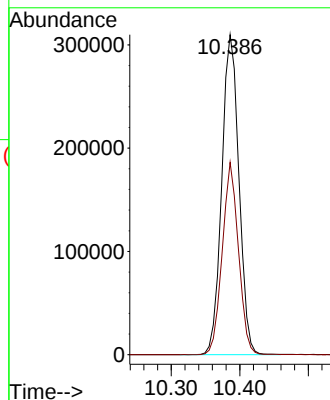
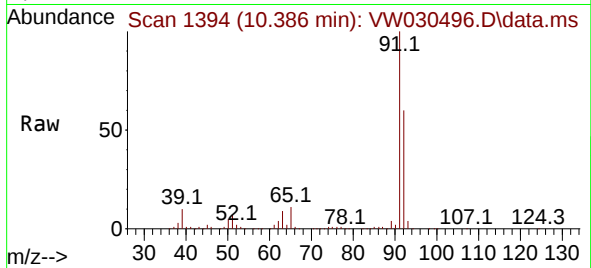




#42  
Toluene  
Concen: 24.650 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

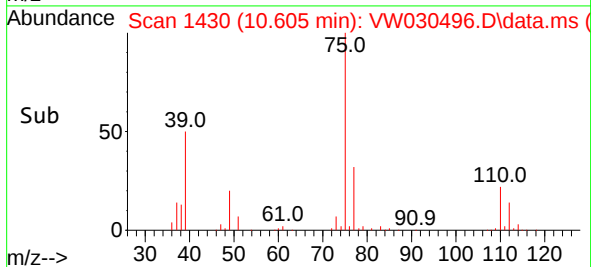
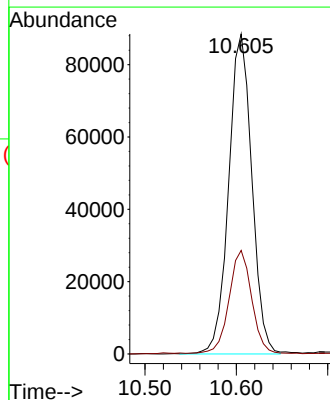
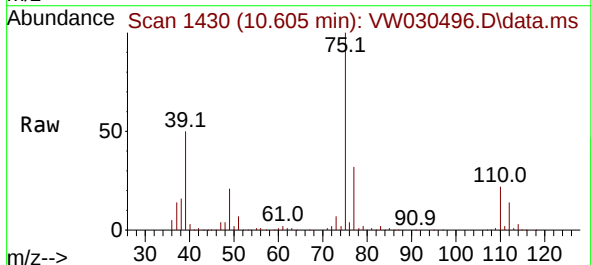
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

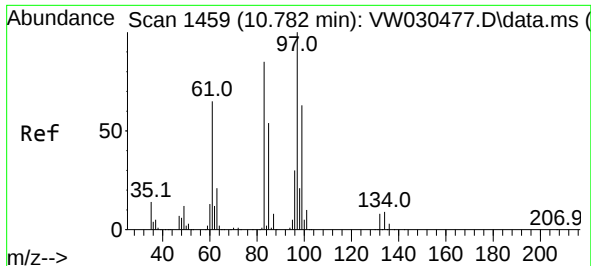
Tgt Ion: 91 Resp: 536982  
Ion Ratio Lower Upper  
91 100  
92 60.1 40.3 74.8



#44  
trans-1,3-Dichloropropene  
Concen: 24.114 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 75 Resp: 155878  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.6 40.2

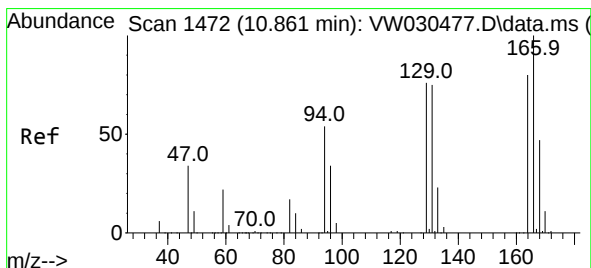
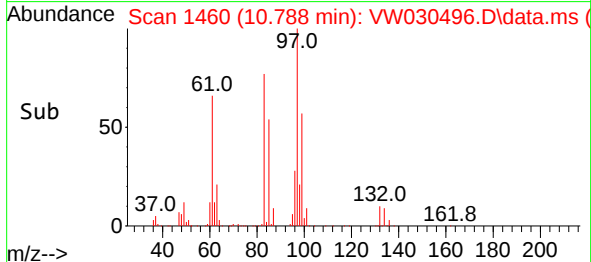
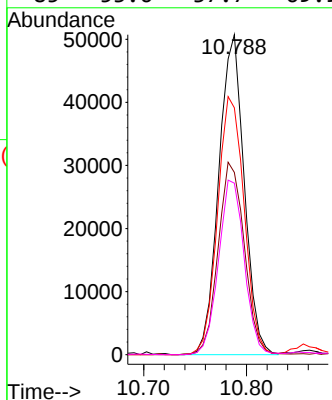
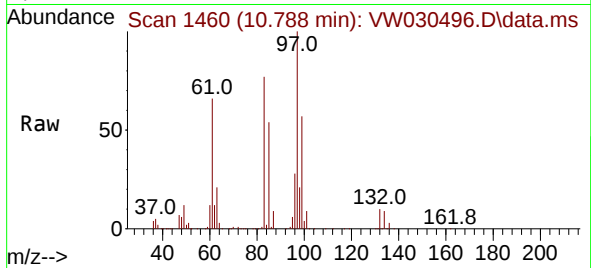




#45  
1,1,2-Trichloroethane  
Concen: 23.655 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

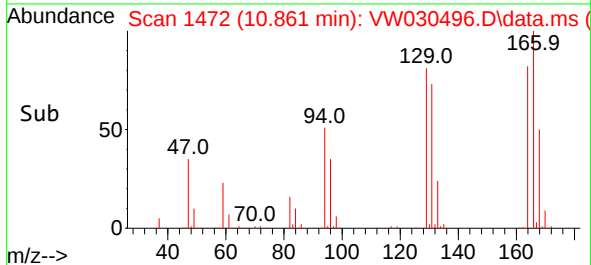
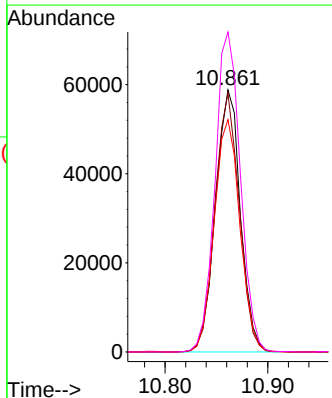
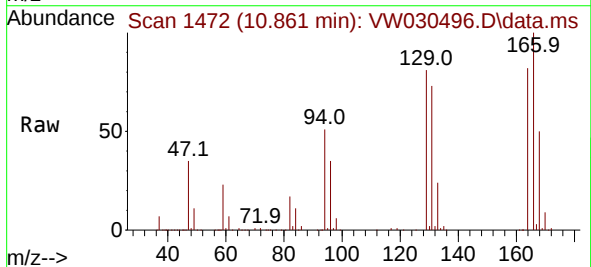
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

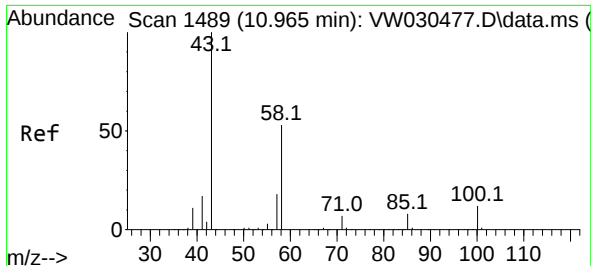
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 87188 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 56.9     | 41.2 76.6   |
| 83 77.1     | 59.6 110.6  |
| 85 53.6     | 37.7 69.9   |



#46  
Tetrachloroethene  
Concen: 23.650 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 99093 |
|     | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 98.7    | 66.6  | 123.6 |
| 131 | 88.7    | 63.7  | 118.3 |
| 166 | 122.1   | 88.7  | 164.7 |

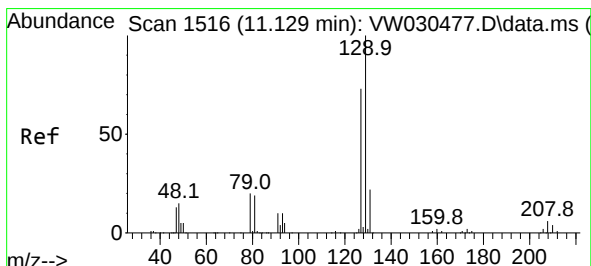
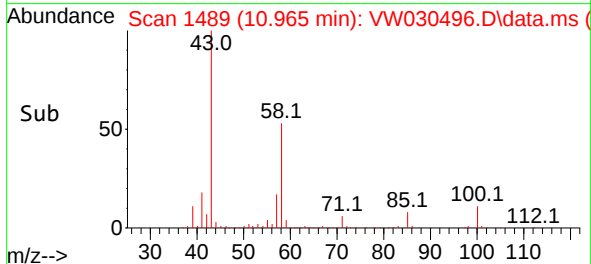
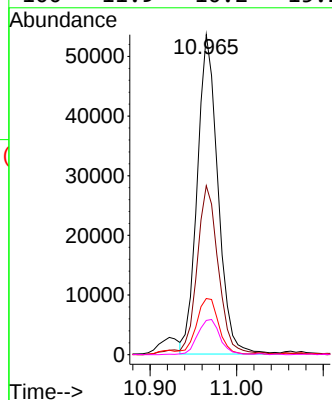
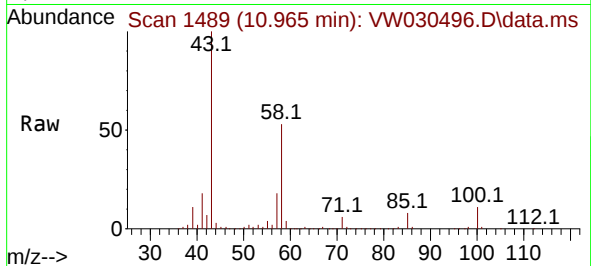




#48  
2-Hexanone  
Concen: 44.415 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

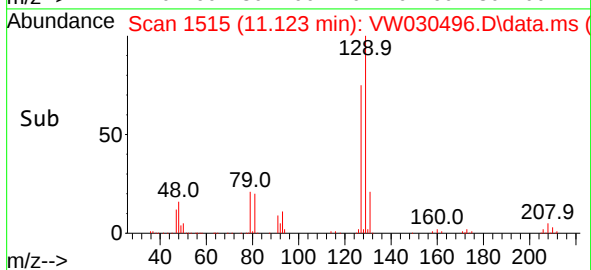
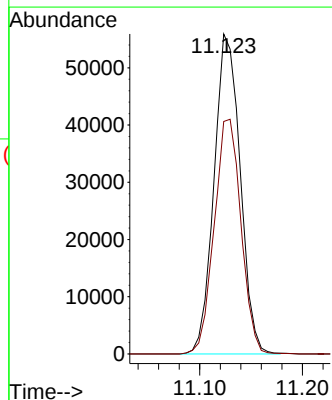
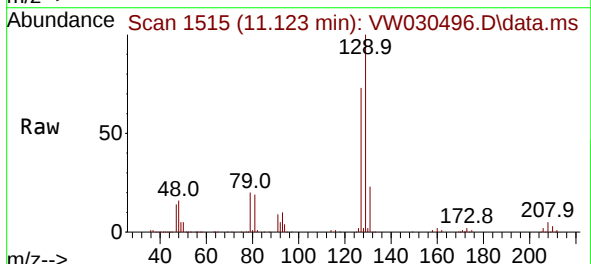
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

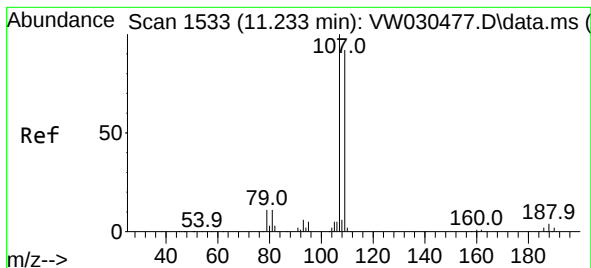
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 88989 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 53.1  | 44.6  | 67.0  |
| 57       | 18.6  | 15.8  | 23.8  |
| 100      | 11.9  | 10.2  | 15.2  |



#49  
Dibromochloromethane  
Concen: 24.017 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 98772 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 72.6  | 56.5  | 104.9 |

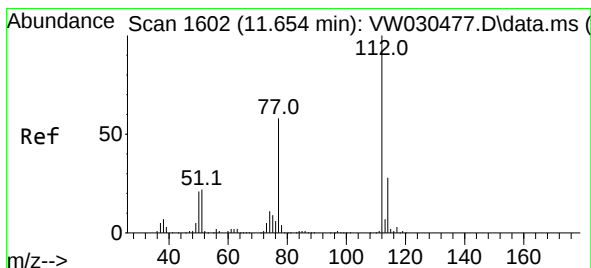
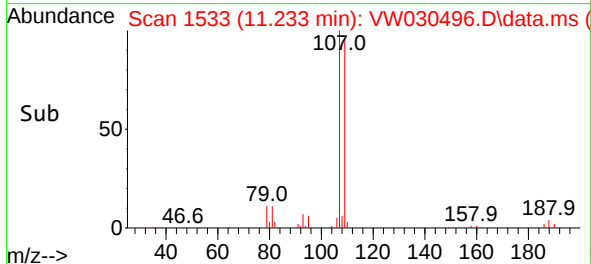
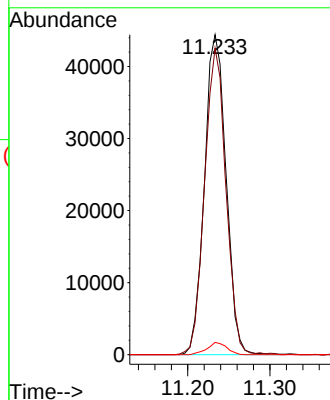
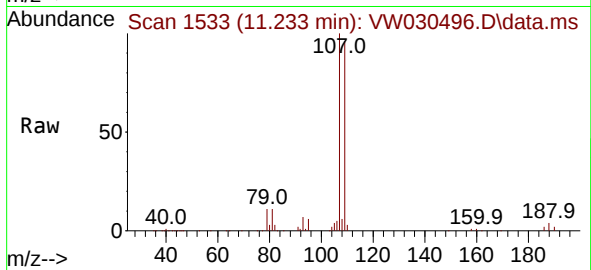




#50  
1,2-Dibromoethane  
Concen: 23.581 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

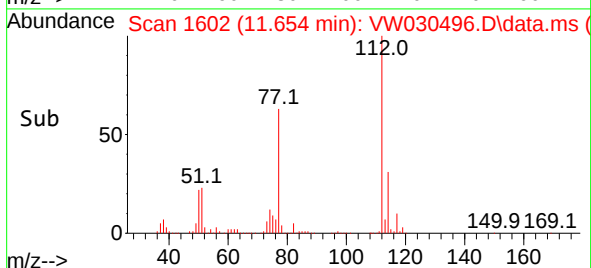
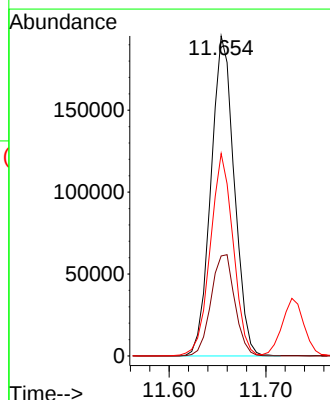
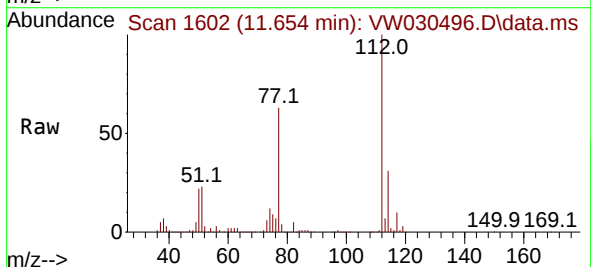
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

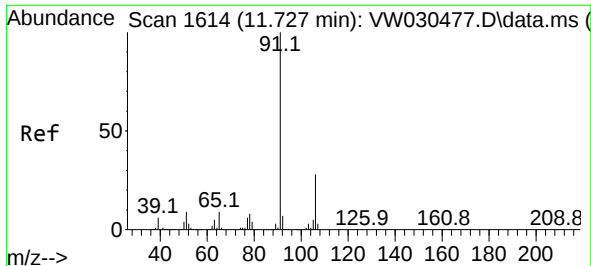
Tgt Ion:107 Resp: 81102  
Ion Ratio Lower Upper  
107 100  
109 95.8 63.8 118.6  
188 3.9 2.6 3.8#



#51  
Chlorobenzene  
Concen: 23.301 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:112 Resp: 326765  
Ion Ratio Lower Upper  
112 100  
114 31.2 22.4 41.6  
77 63.2 47.1 70.7

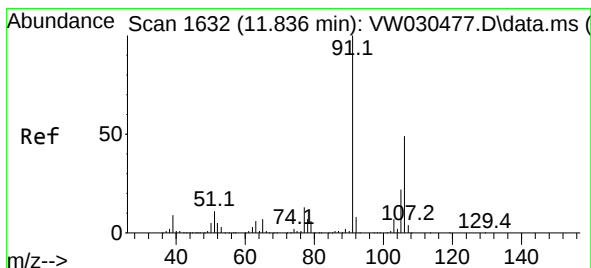
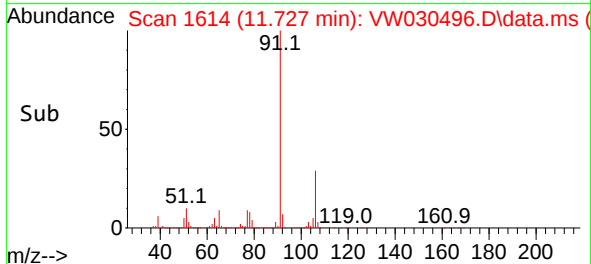
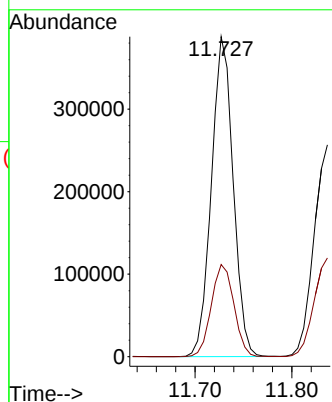
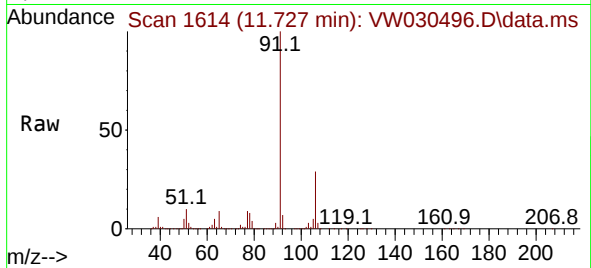




#52  
Ethylbenzene  
Concen: 24.406 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

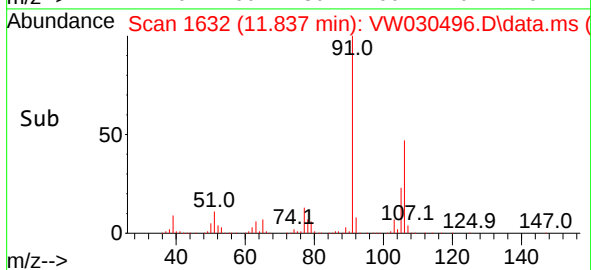
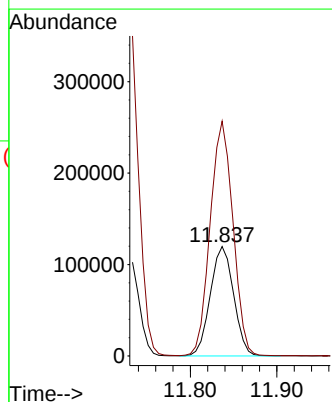
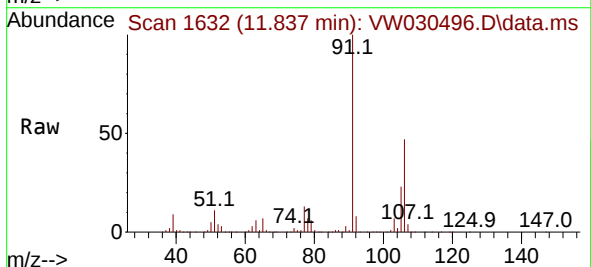
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

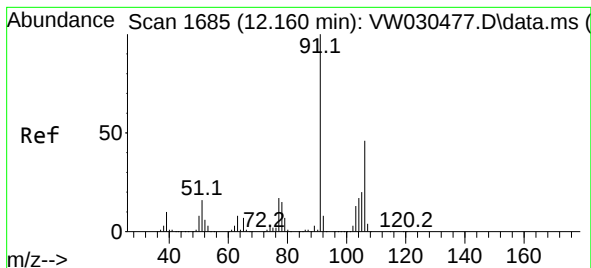
Tgt Ion: 91 Resp: 606679  
Ion Ratio Lower Upper  
91 100  
106 28.8 21.1 39.1



#53  
m,p-Xylene  
Concen: 24.021 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 106 Resp: 223703  
Ion Ratio Lower Upper  
106 100  
91 214.6 140.6 261.2

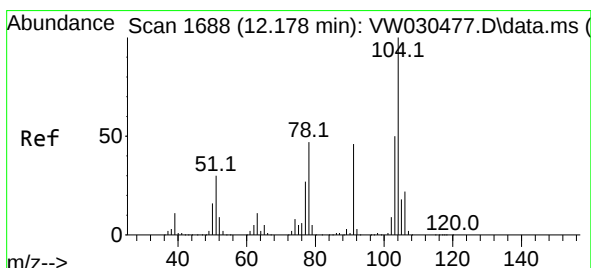
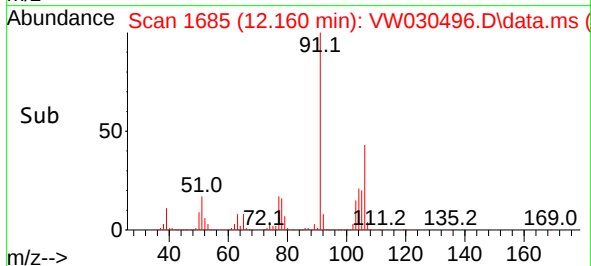
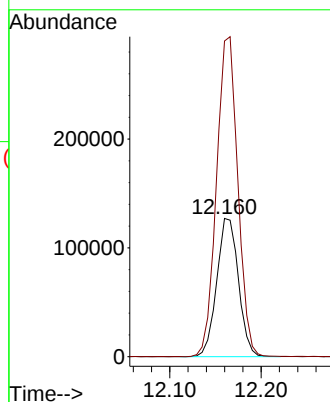
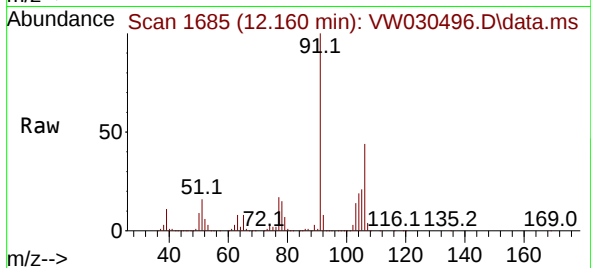




#54  
o-Xylene  
Concen: 24.370 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

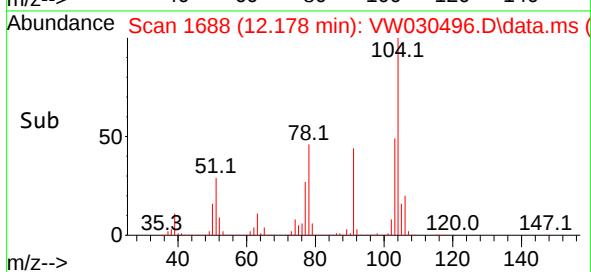
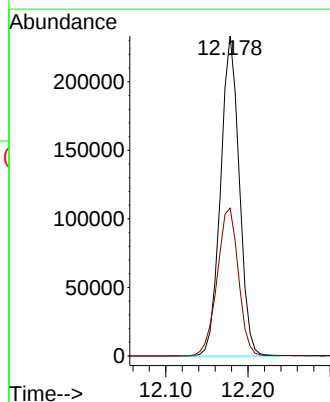
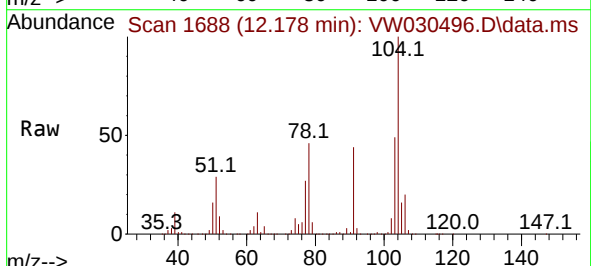
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

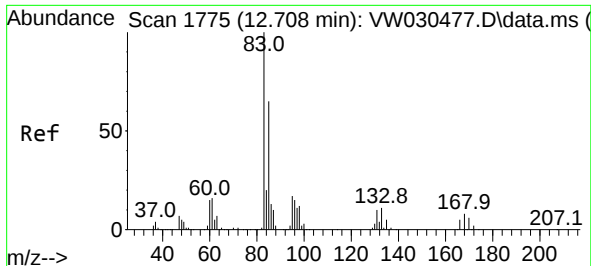
Tgt Ion:106 Resp: 209818  
Ion Ratio Lower Upper  
106 100  
91 228.4 144.5 268.4



#55  
Styrene  
Concen: 25.068 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:104 Resp: 368966  
Ion Ratio Lower Upper  
104 100  
78 46.2 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 23.241 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

A4FB7MSD

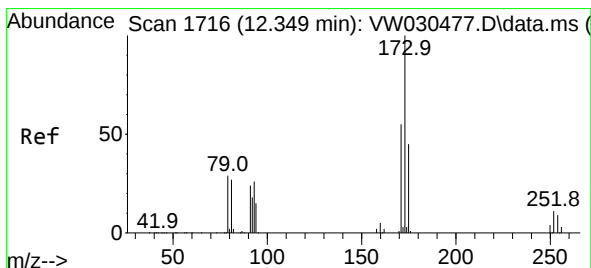
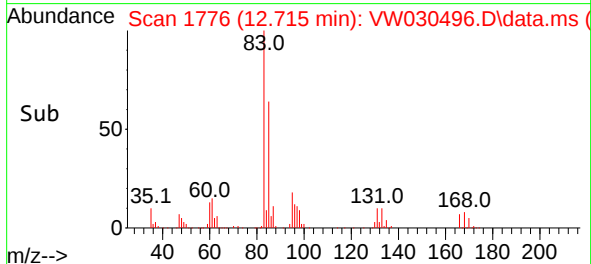
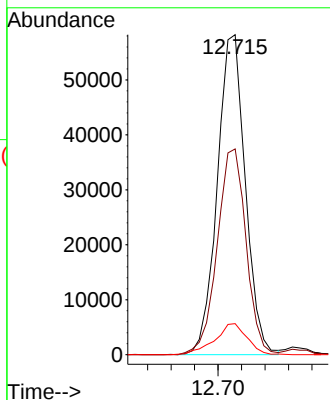
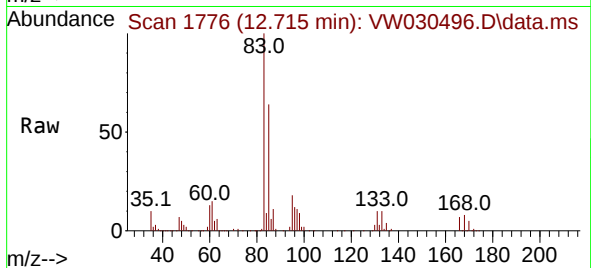
Tgt Ion: 83 Resp: 96599

Ion Ratio Lower Upper

83 100

85 64.3 42.6 79.2

131 9.7 7.4 11.0



#59

Bromoform

Concen: 23.959 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

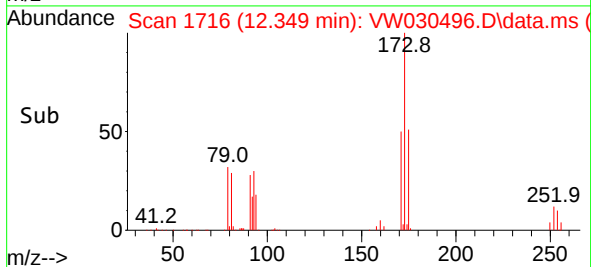
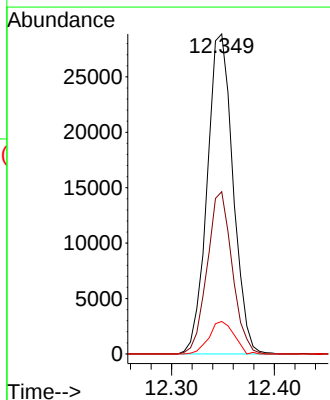
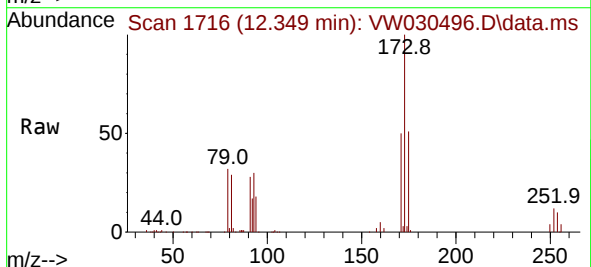
Tgt Ion:173 Resp: 50525

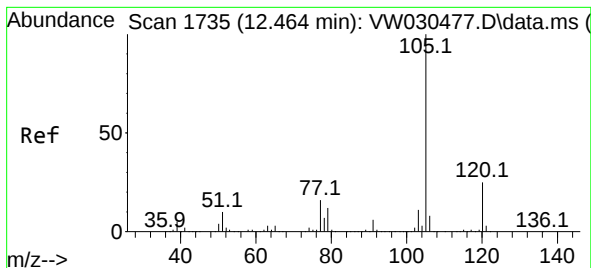
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 9.7 7.7 11.5





#60

Isopropylbenzene

Concen: 25.202 ug/L

RT: 12.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

Instrument :

MSVOA\_W

ClientSampleId :

A4FB7MSD

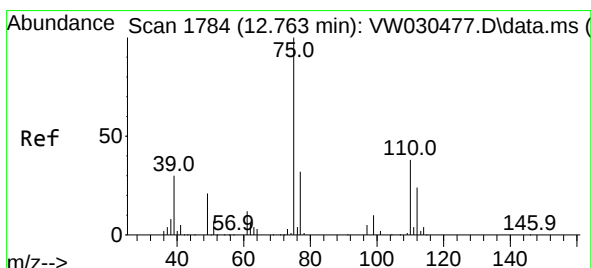
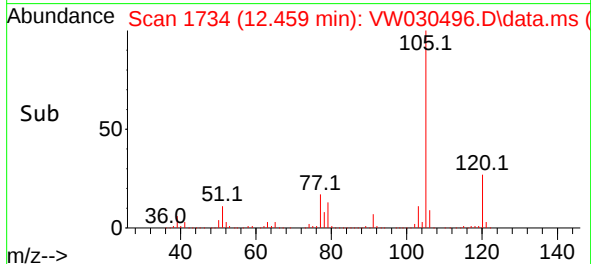
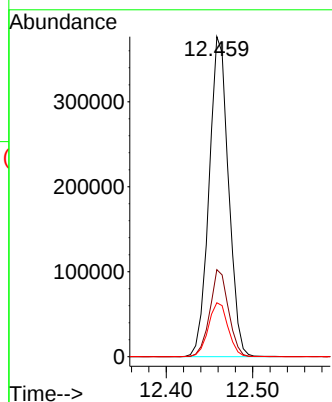
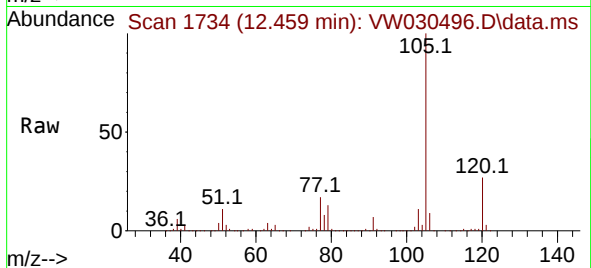
Tgt Ion:105 Resp: 585811

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 17.1 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 23.561 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW030496.D

Acq: 10 Oct 2024 00:23

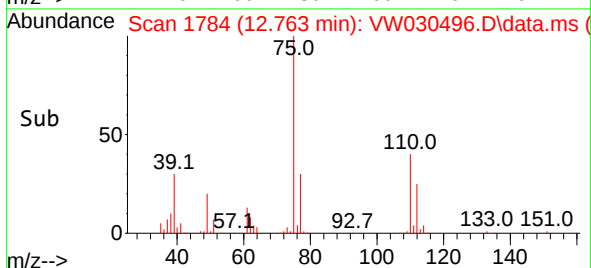
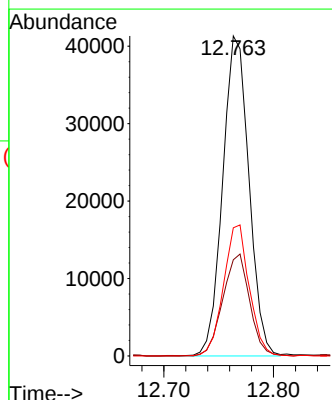
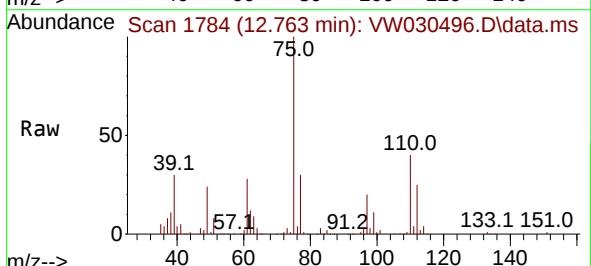
Tgt Ion: 75 Resp: 68815

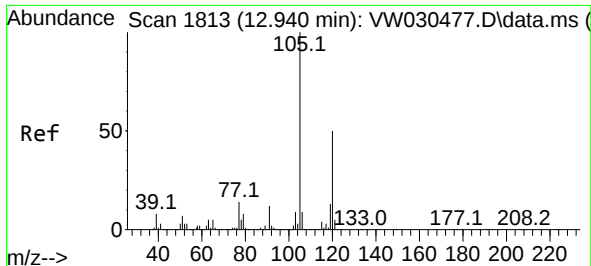
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 40.1 32.3 48.5

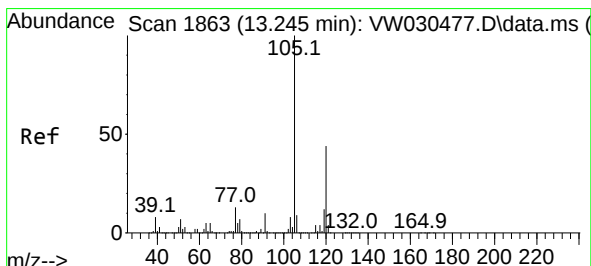
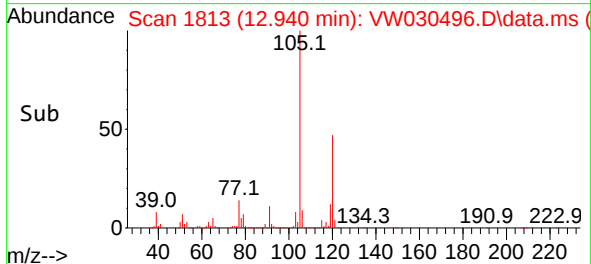
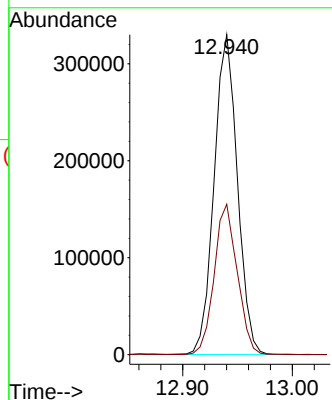
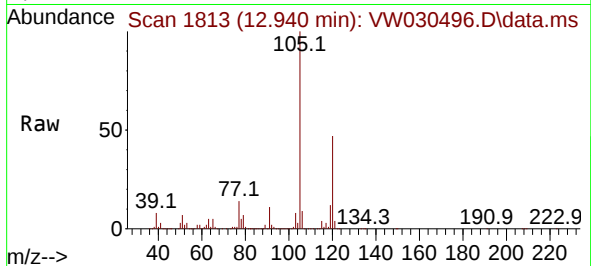




#62  
1,3,5-Trimethylbenzene  
Concen: 26.483 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

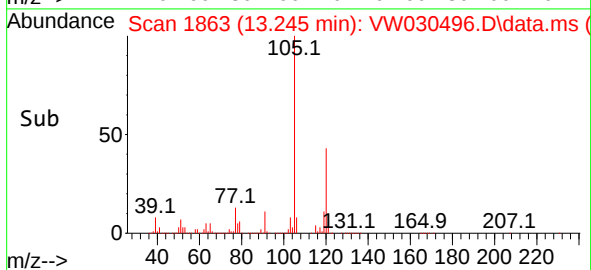
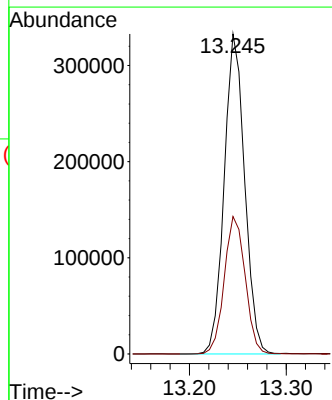
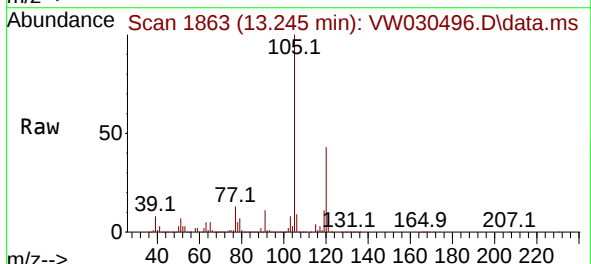
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

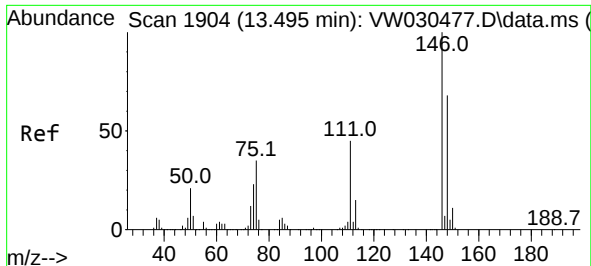
Tgt Ion:105 Resp: 485662  
Ion Ratio Lower Upper  
105 100  
120 46.8 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 27.173 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:105 Resp: 487892  
Ion Ratio Lower Upper  
105 100  
120 43.9 35.8 53.6

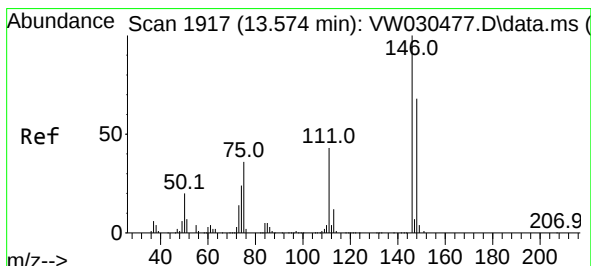
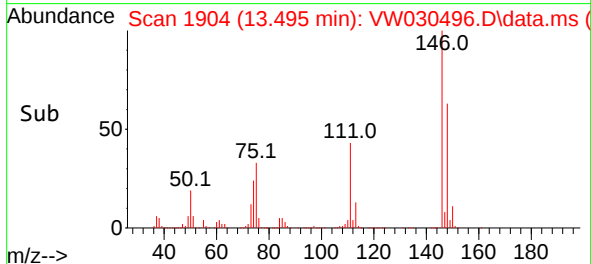
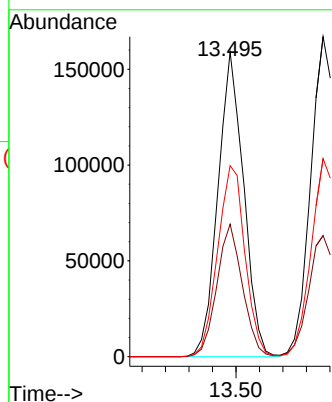
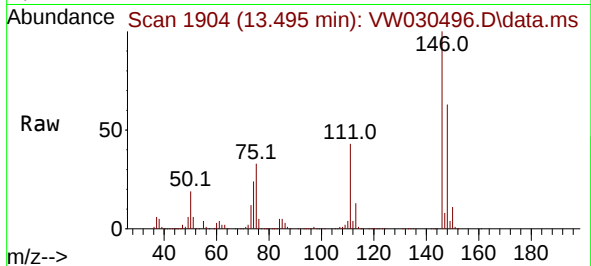




#64  
1,3-Dichlorobenzene  
Concen: 23.938 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

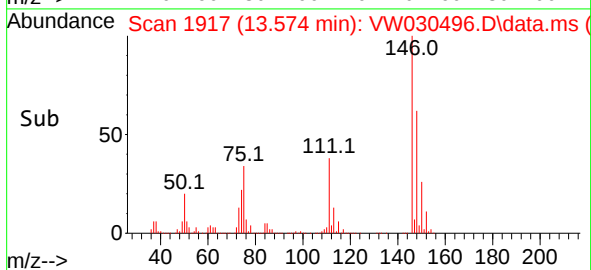
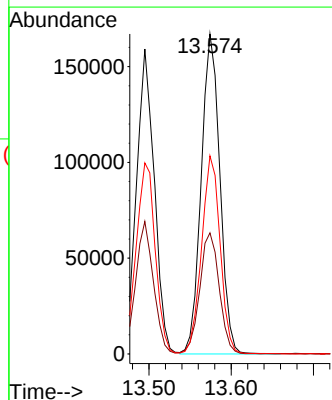
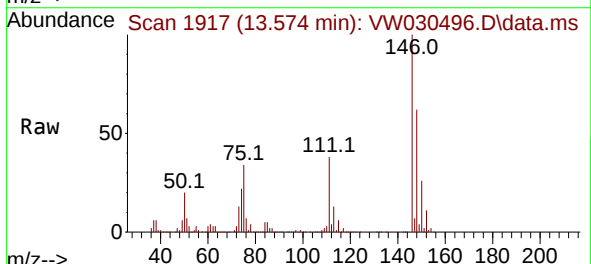
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

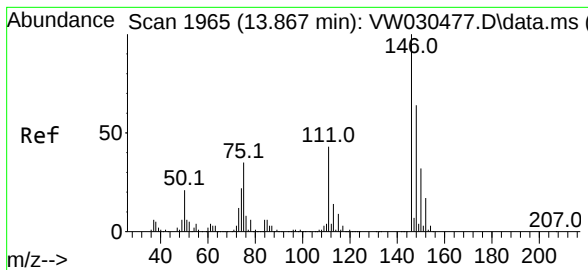
Tgt Ion:146 Resp: 242203  
Ion Ratio Lower Upper  
146 100  
111 43.5 31.2 58.0  
148 62.7 45.7 84.9



#65  
1,4-Dichlorobenzene  
Concen: 25.236 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:146 Resp: 263646  
Ion Ratio Lower Upper  
146 100  
111 37.8 26.8 49.8  
148 61.9 41.0 76.2

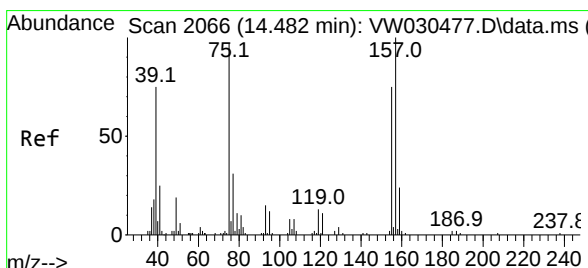
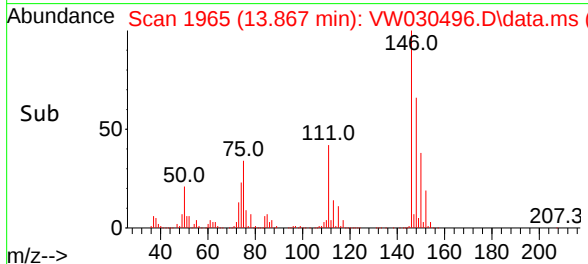
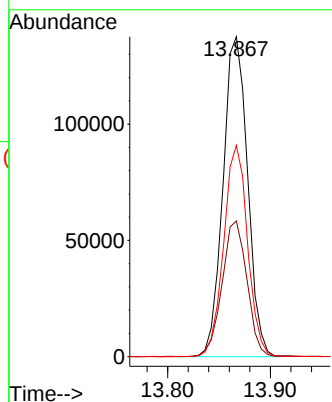
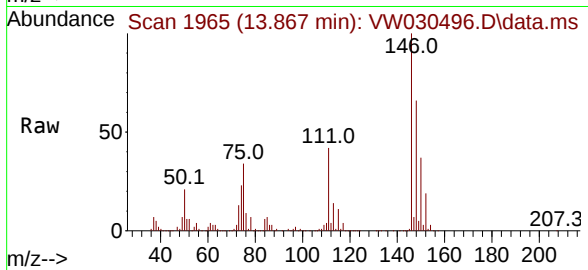




#67  
1,2-Dichlorobenzene  
Concen: 25.659 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

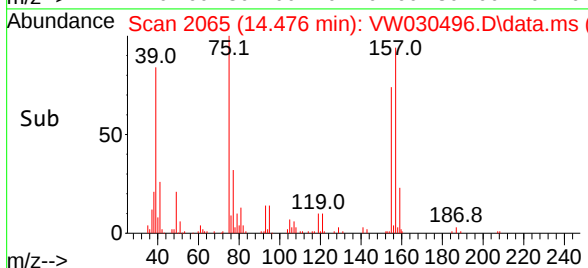
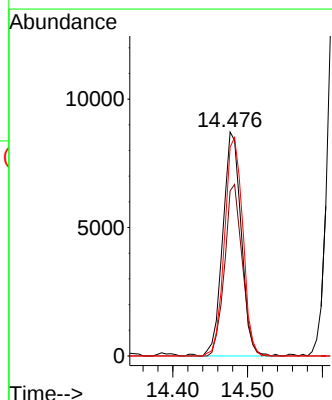
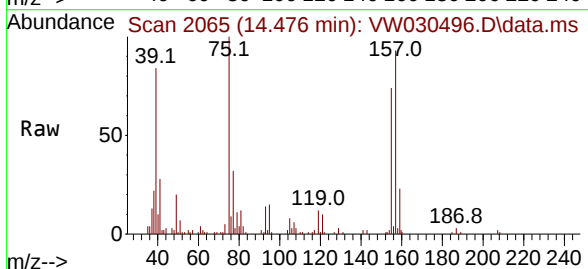
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

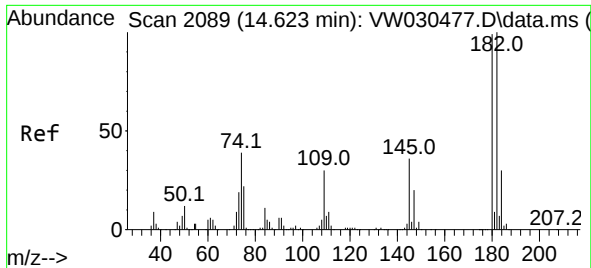
Tgt Ion:146 Resp: 228450  
Ion Ratio Lower Upper  
146 100  
111 42.4 34.6 52.0  
148 66.0 53.3 79.9



#68  
1,2-Dibromo-3-chloropropane  
Concen: 22.997 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.006 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion: 75 Resp: 14977  
Ion Ratio Lower Upper  
75 100  
155 73.7 57.9 86.9  
157 93.2 69.0 103.6

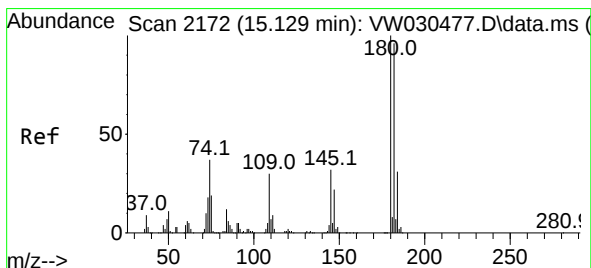
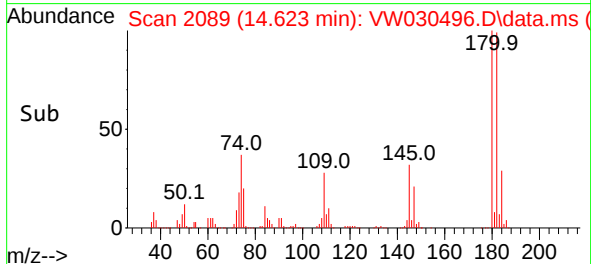
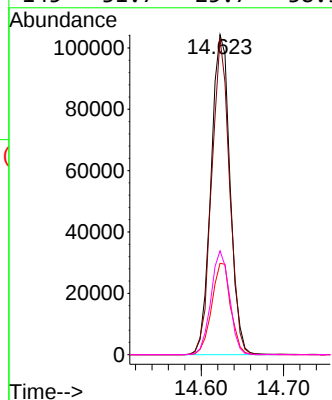
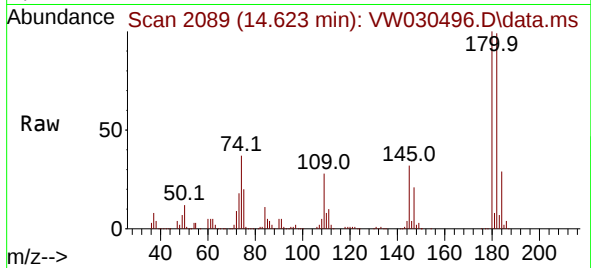




#69  
 1,3,5-Trichlorobenzene  
 Concen: 25.074 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. 0.000 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

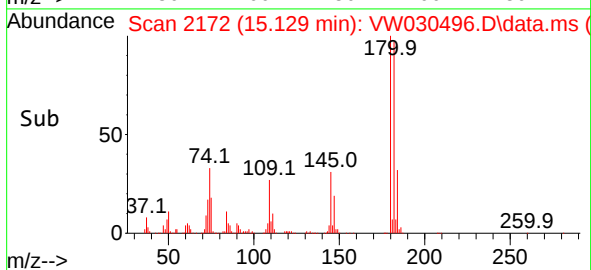
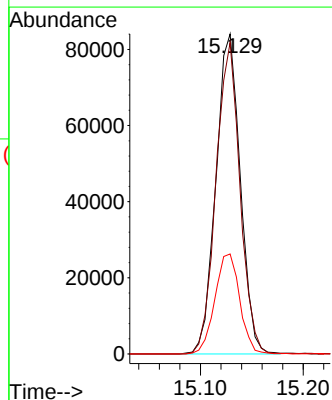
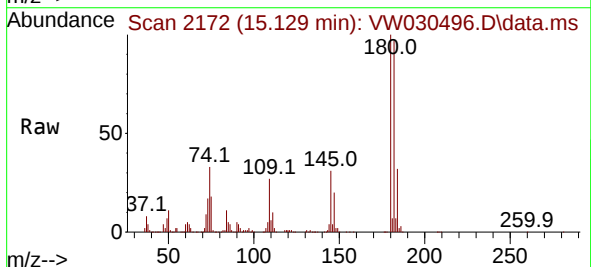
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4FB7MSD

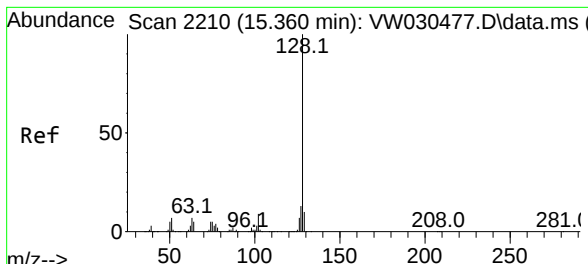
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 167294 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.1  | 79.9  | 119.9  |
| 184       | 28.6  | 25.2  | 37.8   |
| 145       | 31.7  | 25.7  | 38.5   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 25.769 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. 0.000 min  
 Lab File: VW030496.D  
 Acq: 10 Oct 2024 00:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 138412 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 75.2  | 112.8  |
| 145       | 31.8  | 25.4  | 38.2   |



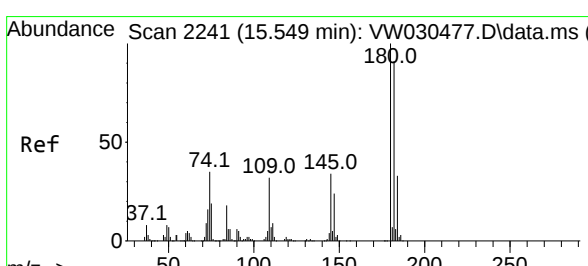
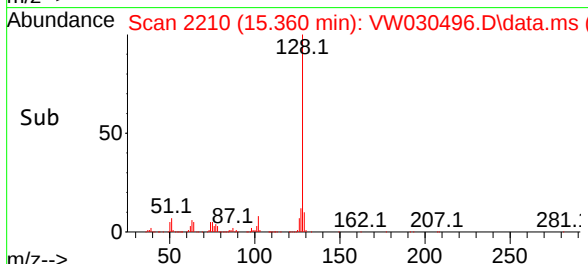
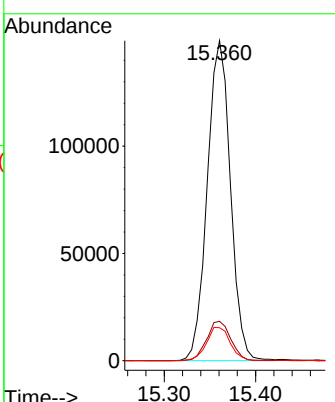
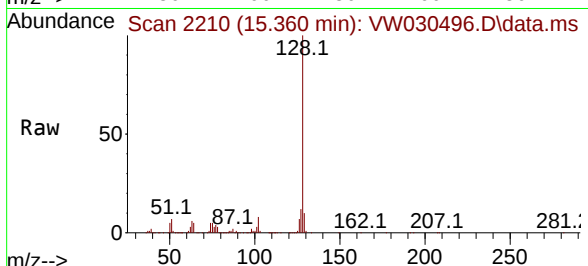


#71  
Naphthalene  
Concen: 28.293 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
A4FB7MSD

Tgt Ion:128 Resp: 262548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.9  | 16.3  |
| 129 | 10.7  | 8.8   | 13.2  |



#72  
1,2,3-Trichlorobenzene  
Concen: 25.362 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VW030496.D  
Acq: 10 Oct 2024 00:23

Tgt Ion:180 Resp: 118093

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 98.5  | 76.2  | 114.4 |
| 145 | 35.5  | 27.4  | 41.2  |

