

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120424\  
 Data File : VW031128.D  
 Acq On : 04 Dec 2024 15:03  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 05 02:24:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 05 01:31:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.837     | 114   | 398384   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.629    | 117   | 346481   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550    | 152   | 172669   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.369     | 65    | 155613   | 25.382   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 101.520% |          |
| 7) Chloroethane-d5            | 2.899     | 69    | 129761   | 27.281   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 109.120% |          |
| 11) 1,1-Dichloroethene-d2     | 4.015     | 65    | 72292    | 25.845   | ug/L       | -0.01    |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 103.400% |          |
| 21) 2-Butanone-d5             | 7.069     | 46    | 54351    | 50.692   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 101.380% |          |
| 24) Chloroform-d              | 7.648     | 84    | 314006   | 26.911   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 107.640% |          |
| 26) 1,2-Dichloroethane-d4     | 8.301     | 65    | 154032   | 26.828   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 107.320% |          |
| 32) Benzene-d6                | 8.270     | 84    | 603284   | 28.329   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 113.320% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270     | 67    | 172345   | 27.629   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 110.520% |          |
| 41) Toluene-d8                | 10.319    | 98    | 559991   | 29.139   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 116.560% |          |
| 43) trans-1,3-Dichloroprop... | 10.575    | 79    | 70044    | 27.891   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 111.560% |          |
| 47) 2-Hexanone-d5             | 10.922    | 63    | 39647    | 54.249   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 108.500% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690    | 84    | 113152   | 26.878   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 107.520% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849    | 152   | 165787   | 27.032   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 108.120% |          |
| Target Compounds              |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.015     | 85    | 129489   | 25.739   | ug/L       | 92       |
| 3) Chloromethane              | 2.235     | 50    | 175842   | 29.636   | ug/L       | 97       |
| 5) Vinyl chloride             | 2.375     | 62    | 180923   | 25.384   | ug/L       | 99       |
| 6) Bromomethane               | 2.790     | 94    | 119332   | 26.329   | ug/L       | 95       |
| 8) Chloroethane               | 2.930     | 64    | 109686   | 25.729   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.271     | 101   | 233014   | 31.071   | ug/L       | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076     | 101   | 147986   | 25.974   | ug/L       | 97       |
| 12) 1,1-Dichloroethene        | 4.039     | 96    | 143671   | 25.393   | ug/L       | 82       |
| 13) Acetone                   | 4.119     | 43    | 82894    | 42.943   | ug/L       | 95       |
| 14) Carbon disulfide          | 4.381     | 76    | 470112   | 25.336   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.667     | 43    | 48210    | 23.801   | ug/L       | 96       |
| 16) Methylene chloride        | 4.917     | 84    | 142701   | 24.749   | ug/L       | 97       |
| 17) trans-1,2-Dichloroethene  | 5.423     | 96    | 151948   | 25.264   | ug/L       | 95       |
| 18) Methyl tert-butyl Ether   | 5.423     | 73    | 210722   | 25.044   | ug/L       | 98       |
| 19) 1,1-Dichloroethane        | 6.216     | 63    | 277554   | 25.090   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167     | 96    | 160236   | 25.365   | ug/L       | 95       |
| 22) 2-Butanone                | 7.167     | 43    | 83692    | 46.134   | ug/L       | 98       |
| 23) Bromochloromethane        | 7.514     | 128   | 65424    | 24.392   | ug/L       | 96       |
| 25) Chloroform                | 7.673     | 83    | 289956   | 25.201   | ug/L       | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120424\  
 Data File : VW031128.D  
 Acq On : 04 Dec 2024 15:03  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

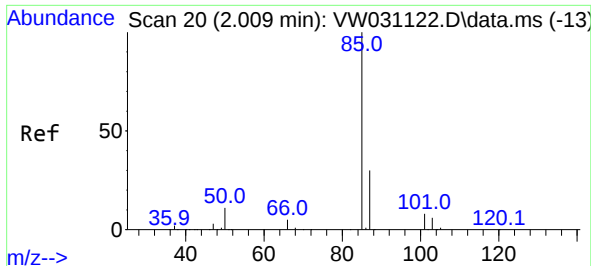
Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 05 02:24:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 05 01:31:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.392  | 62   | 176292   | 24.875 | ug/L  | 96       |
| 29) Cyclohexane               | 7.953  | 56   | 243331   | 27.901 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 245195   | 26.273 | ug/L  | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 224654   | 26.343 | ug/L  | 98       |
| 33) Benzene                   | 8.319  | 78   | 623117   | 26.594 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 167958   | 25.988 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 279836   | 27.210 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.362  | 63   | 150384   | 25.802 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 197098   | 25.835 | ug/L  | 92       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 234343   | 26.630 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 134819   | 51.655 | ug/L  | 96       |
| 42) Toluene                   | 10.386 | 91   | 658799   | 26.692 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.599 | 75   | 188354   | 26.035 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 101899   | 25.439 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.855 | 164  | 125279   | 26.148 | ug/L  | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 116243   | 49.228 | ug/L  | 93       |
| 49) Dibromochloromethane      | 11.123 | 129  | 114940   | 26.048 | ug/L  | 87       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 93989    | 25.109 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 408602   | 25.935 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 760287   | 27.183 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.831 | 106  | 283520   | 27.237 | ug/L  | 97       |
| 54) o-Xylene                  | 12.160 | 106  | 263134   | 27.172 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 444833   | 27.288 | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 107511   | 24.776 | ug/L  | 98       |
| 59) Bromoform                 | 12.343 | 173  | 61153    | 24.237 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 741634   | 26.606 | ug/L  | 97       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 77697    | 24.082 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 600623   | 27.364 | ug/L  | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 585900   | 27.173 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 317666   | 26.133 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 305001   | 24.839 | ug/L  | 91       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 257278   | 24.196 | ug/L  | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 16782    | 23.955 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 207374   | 25.107 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 164056   | 25.330 | ug/L  | 97       |
| 71) Naphthalene               | 15.354 | 128  | 263440   | 25.248 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 133586   | 24.097 | ug/L  | 99       |

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

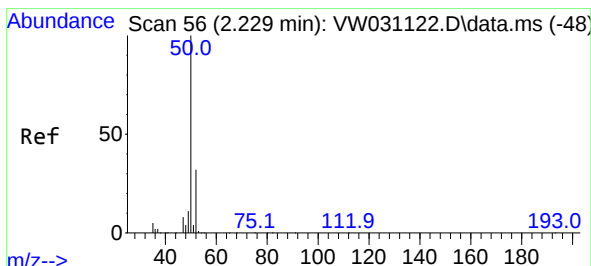
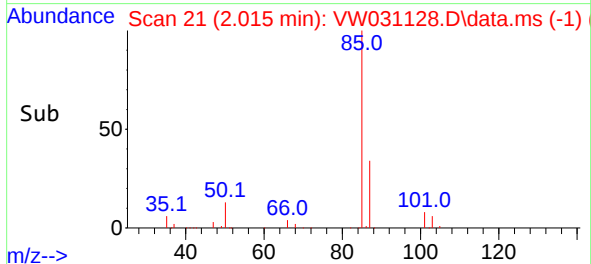
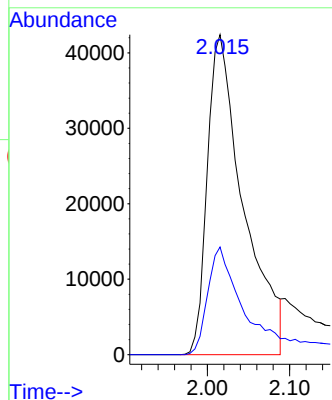
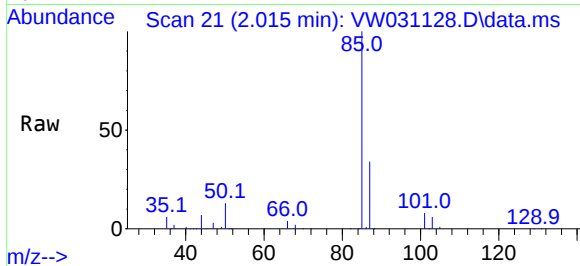




#2  
Dichlorodifluoromethane  
Concen: 25.739 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

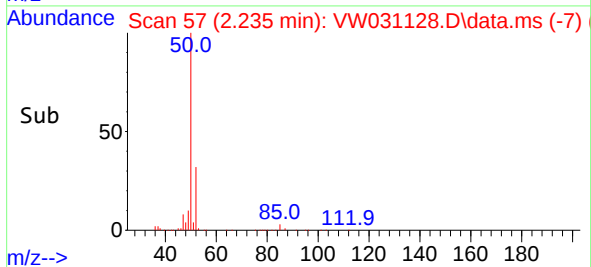
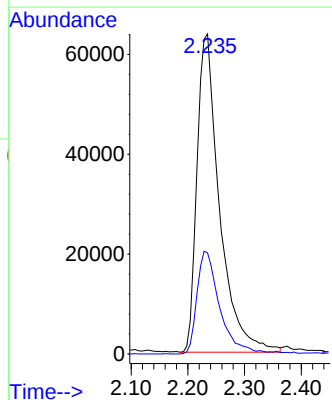
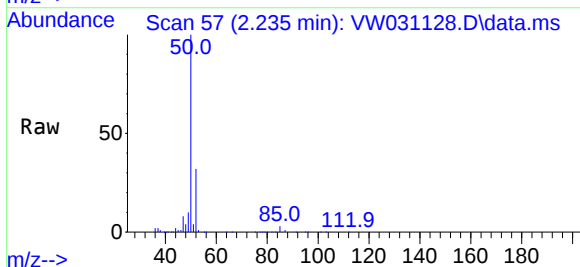
Instrument :  
MSVOA\_W  
ClientSampleId :

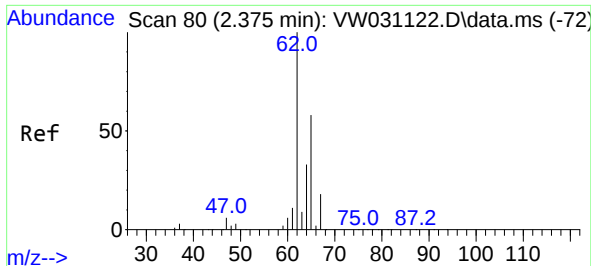
Tgt Ion: 85 Resp: 129489  
Ion Ratio Lower Upper  
85 100  
87 34.3 23.8 35.6



#3  
Chloromethane  
Concen: 29.636 ug/L  
RT: 2.235 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 50 Resp: 175842  
Ion Ratio Lower Upper  
50 100  
52 31.6 23.4 43.6

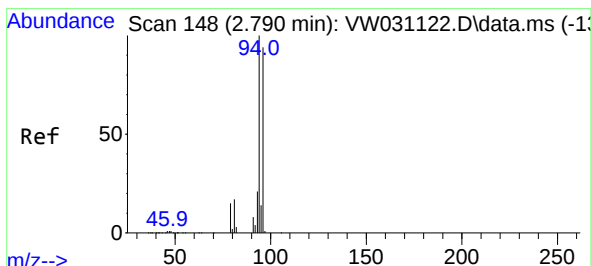
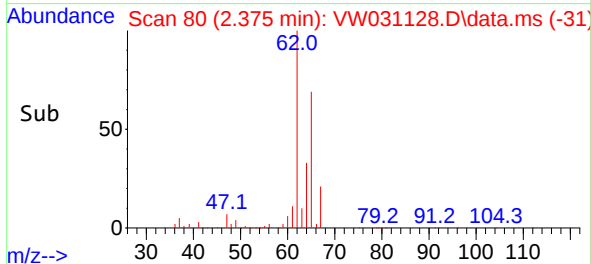
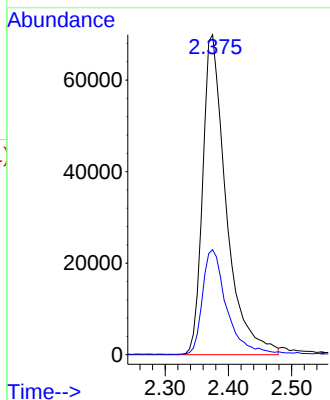
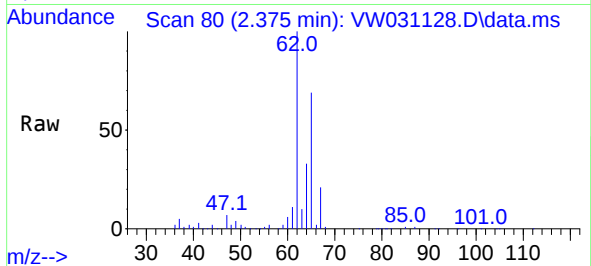




#5  
Vinyl chloride  
Concen: 25.384 ug/L  
RT: 2.375 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

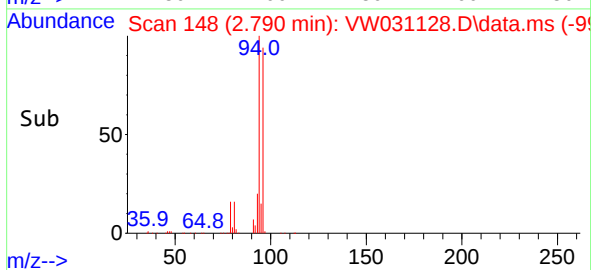
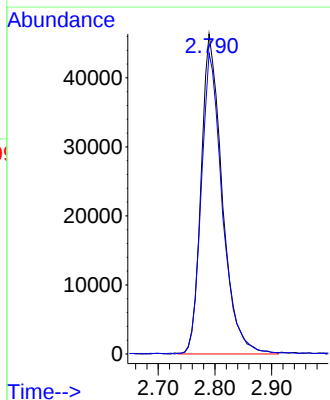
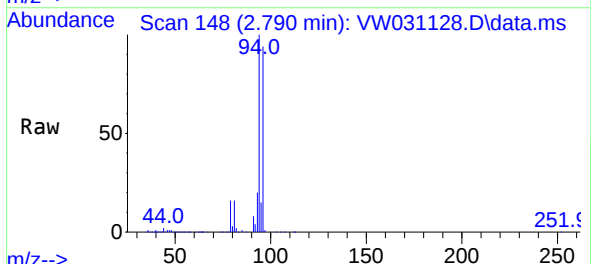
Instrument :  
MSVOA\_W  
ClientSampleId :

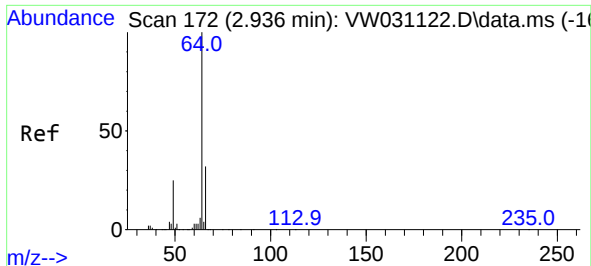
Tgt Ion: 62 Resp: 180923  
Ion Ratio Lower Upper  
62 100  
64 32.8 22.7 42.1



#6  
Bromomethane  
Concen: 26.329 ug/L  
RT: 2.790 min Scan# 148  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 94 Resp: 119332  
Ion Ratio Lower Upper  
94 100  
96 94.0 62.6 116.3

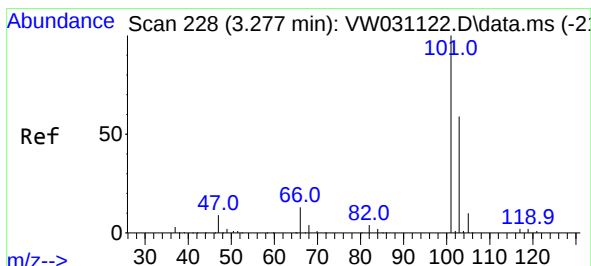
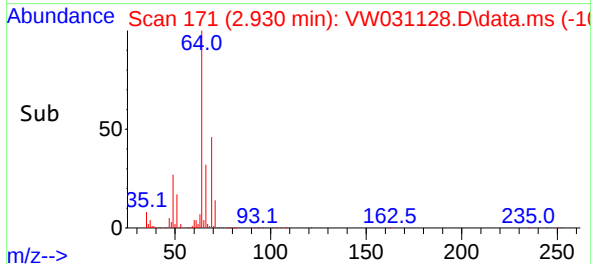
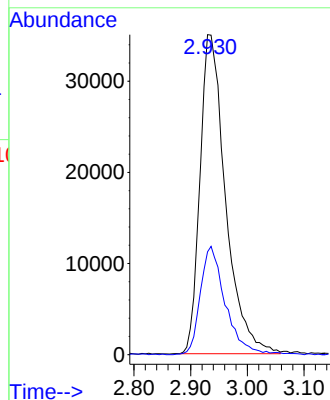
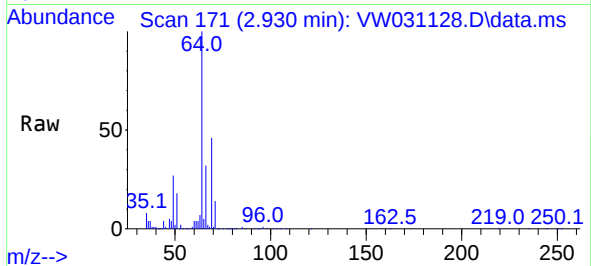




#8  
Chloroethane  
Concen: 25.729 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

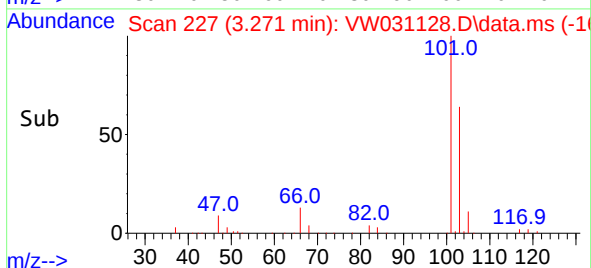
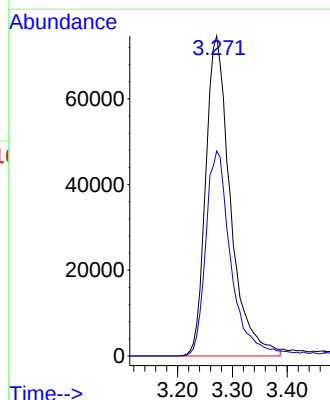
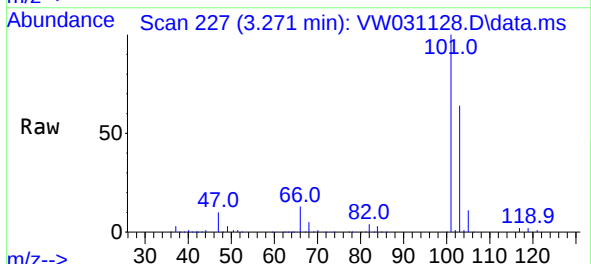
Instrument :  
MSVOA\_W  
ClientSampleId :

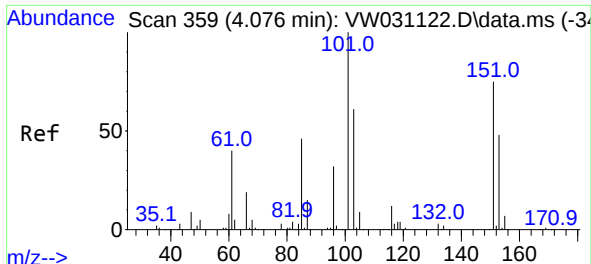
Tgt Ion: 64 Resp: 109686  
Ion Ratio Lower Upper  
64 100  
66 32.2 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 31.071 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:101 Resp: 233014  
Ion Ratio Lower Upper  
101 100  
103 65.7 50.7 76.1

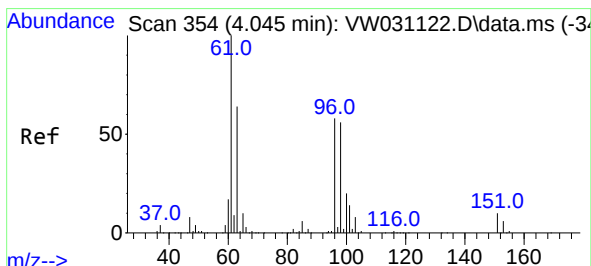
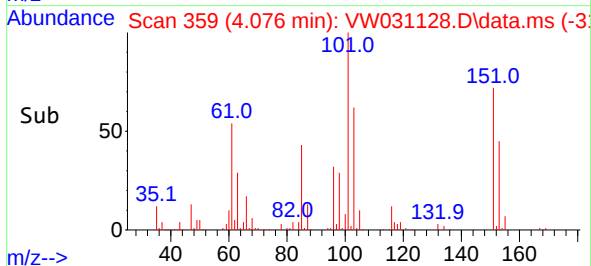
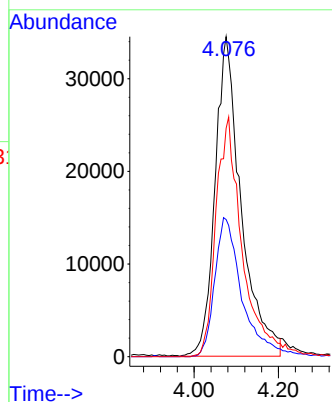
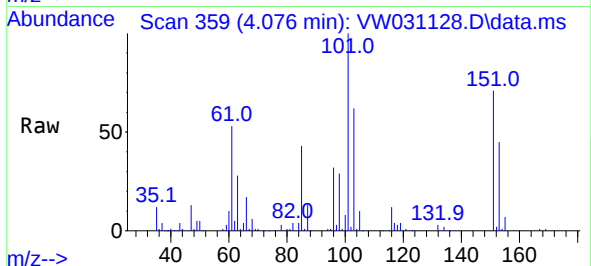




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.974 ug/L  
 RT: 4.076 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW031128.D  
 Acq: 04 Dec 2024 15:03

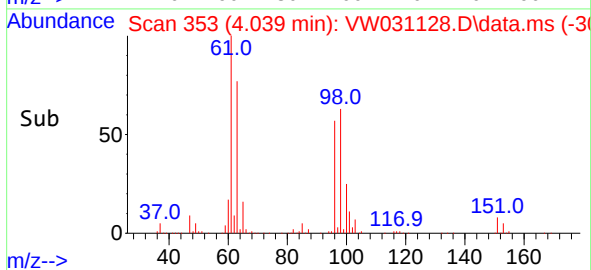
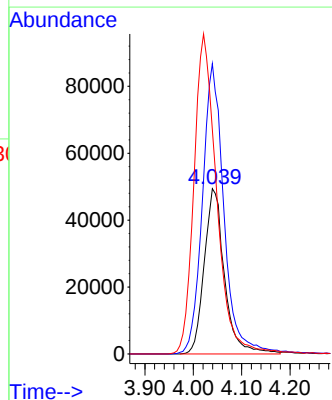
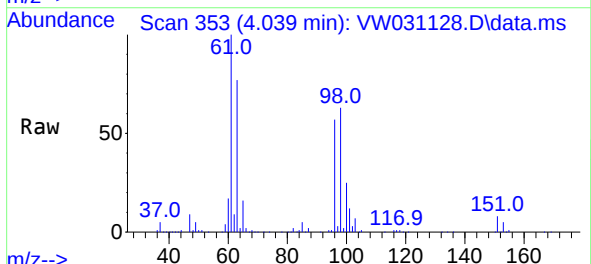
Instrument :  
 MSVOA\_W  
 ClientSampleId :

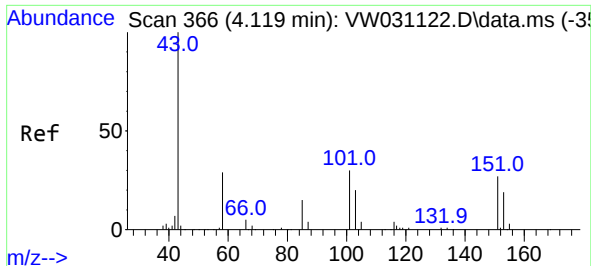
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 Ion Ratio Lower Upper  
 101 100  
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 151 75.7 61.8 92.6



#12  
 1,1-Dichloroethene  
 Concen: 25.393 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. -0.006 min  
 Lab File: VW031128.D  
 Acq: 04 Dec 2024 15:03

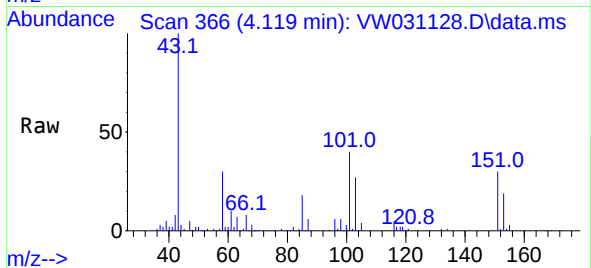
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 63 135.6 73.8 137.2



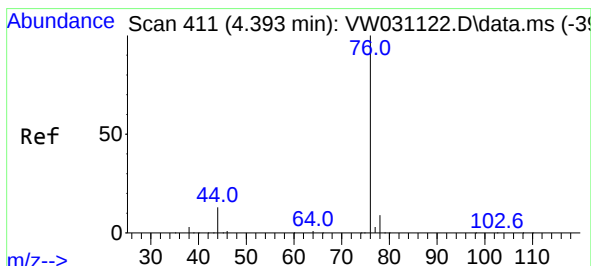
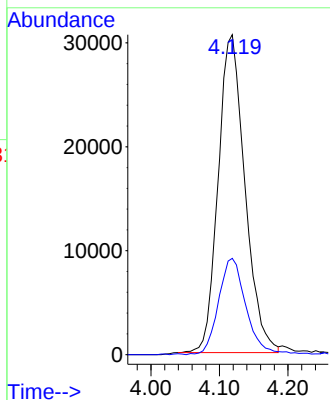
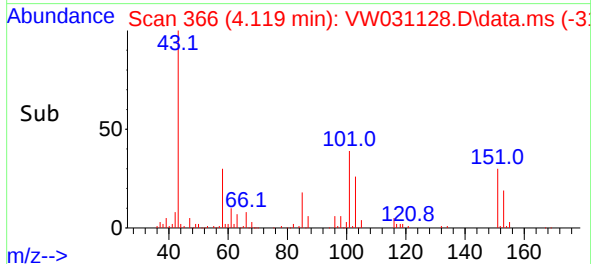


#13  
Acetone  
Concen: 42.943 ug/L  
RT: 4.119 min Scan# 309  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

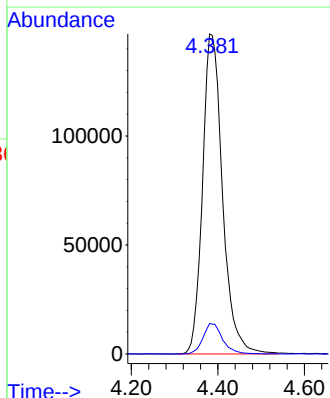
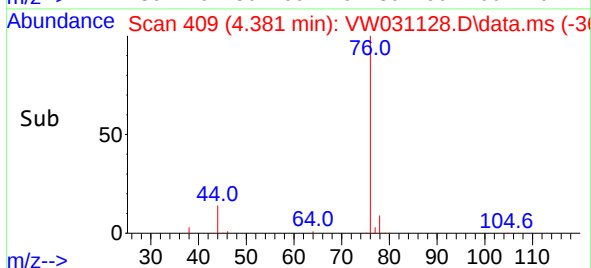
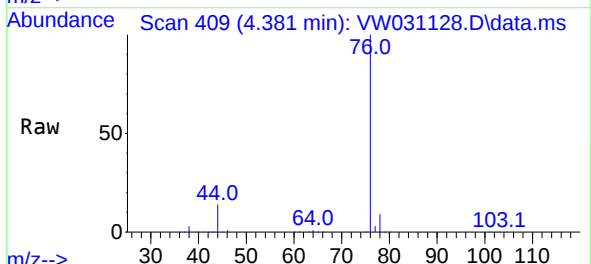


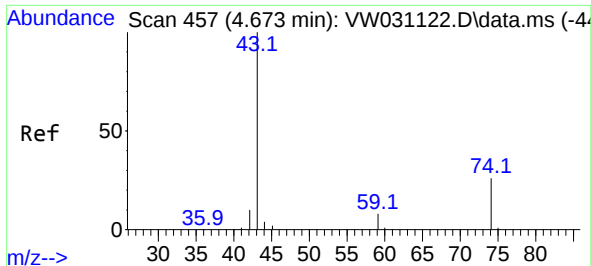
Tgt Ion: 43 Resp: 82894  
Ion Ratio Lower Upper  
43 100  
58 30.8 0.0 67.2



#14  
Carbon disulfide  
Concen: 25.336 ug/L  
RT: 4.381 min Scan# 409  
Delta R.T. -0.012 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 76 Resp: 470112  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.4 11.2

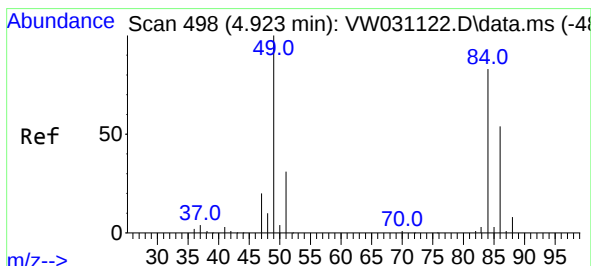
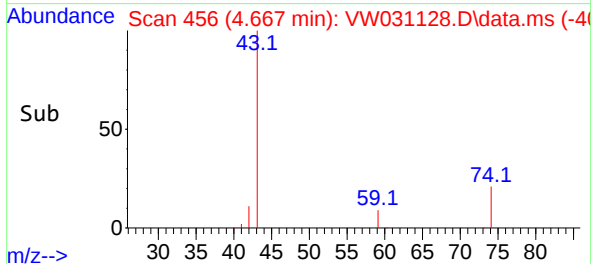
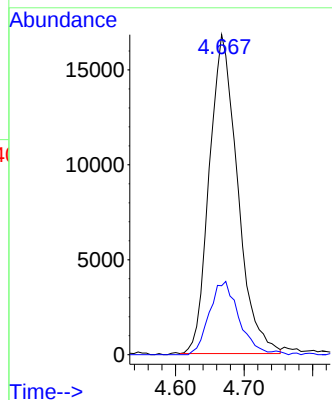
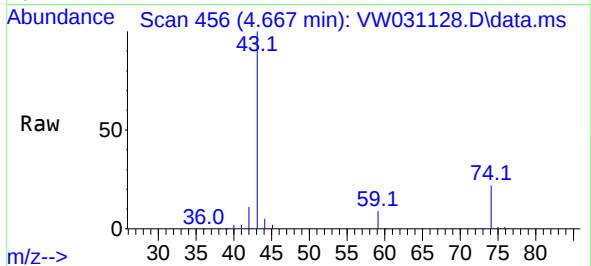




#15  
Methyl Acetate  
Concen: 23.801 ug/L  
RT: 4.667 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

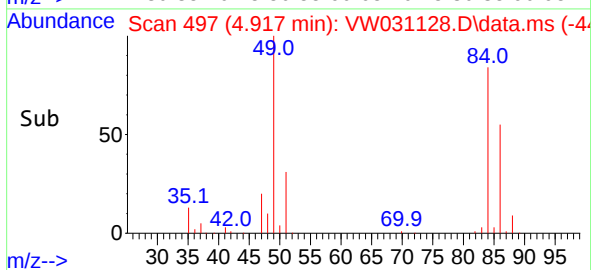
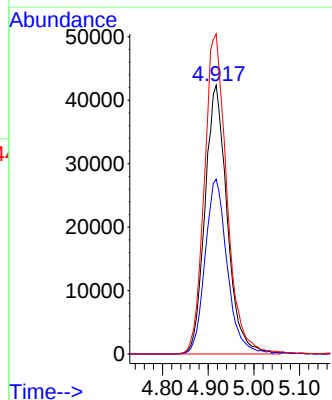
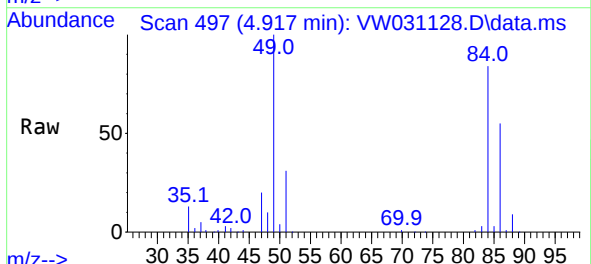
Instrument :  
MSVOA\_W  
ClientSampleId :

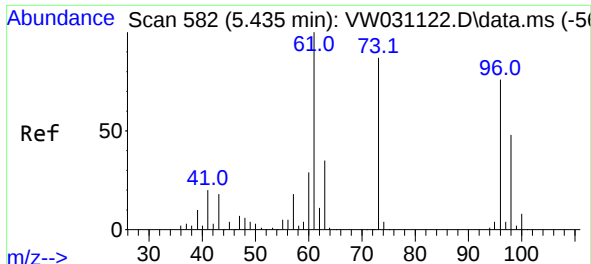
Tgt Ion: 43 Resp: 48210  
Ion Ratio Lower Upper  
43 100  
74 23.8 20.8 31.2



#16  
Methylene chloride  
Concen: 24.749 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 84 Resp: 142701  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.9 83.5  
49 119.1 79.9 148.5

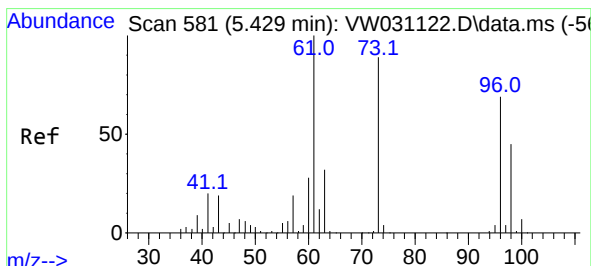
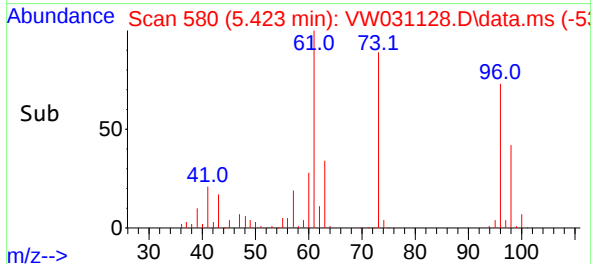
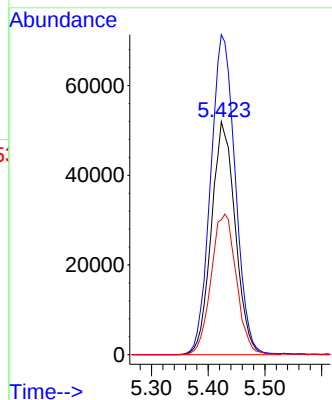
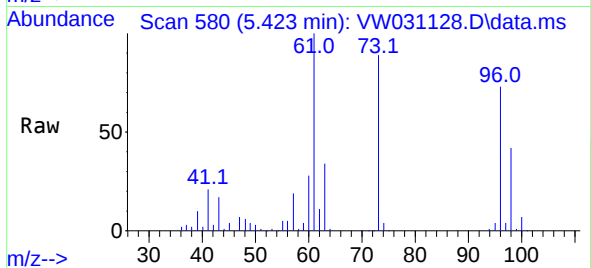




#17  
trans-1,2-Dichloroethene  
Concen: 25.264 ug/L  
RT: 5.423 min Scan# 582  
Delta R.T. -0.012 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

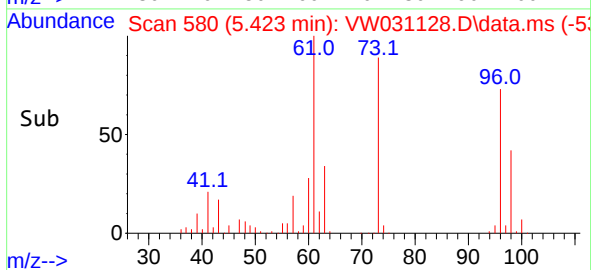
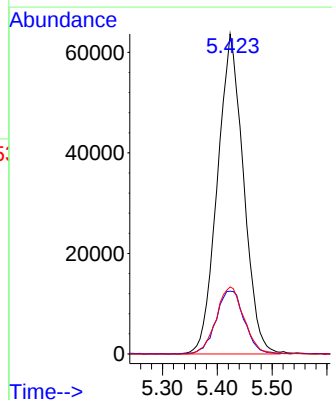
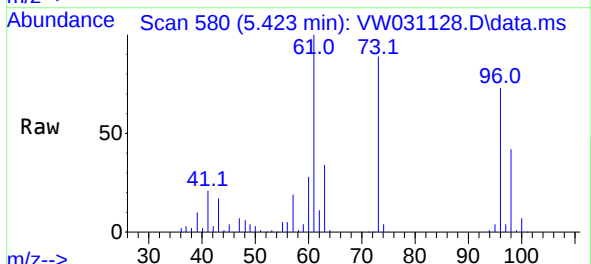
Instrument :  
MSVOA\_W  
ClientSampleId :

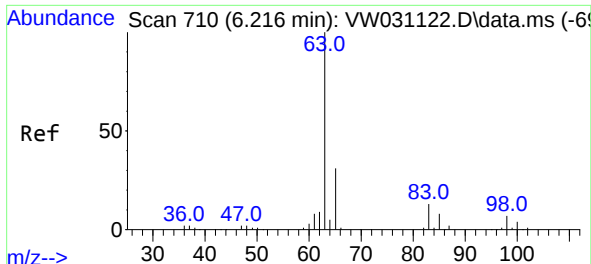
Tgt Ion: 96 Resp: 151948  
Ion Ratio Lower Upper  
96 100  
61 137.4 92.7 172.3  
98 57.9 44.4 82.4



#18  
Methyl tert-butyl Ether  
Concen: 25.044 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 73 Resp: 210722  
Ion Ratio Lower Upper  
73 100  
43 21.4 15.4 23.0  
57 22.2 17.6 26.4



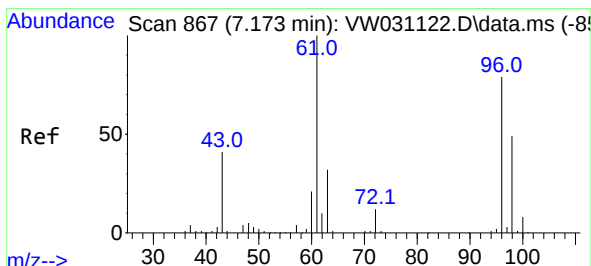
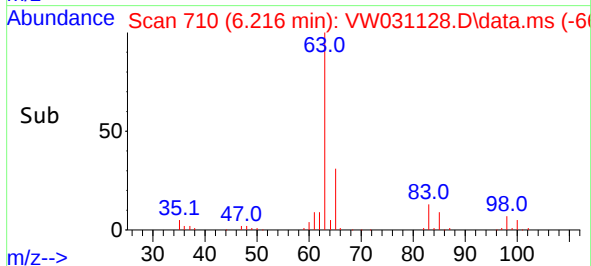
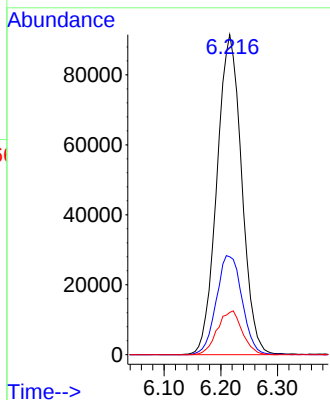
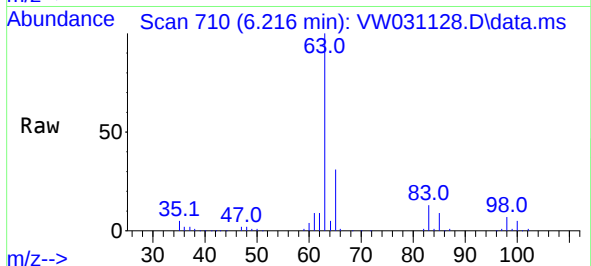


#19  
 1,1-Dichloroethane  
 Concen: 25.090 ug/L  
 RT: 6.216 min Scan# 710  
 Delta R.T. -0.000 min  
 Lab File: VW031128.D  
 Acq: 04 Dec 2024 15:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion: 63 Resp: 277554  

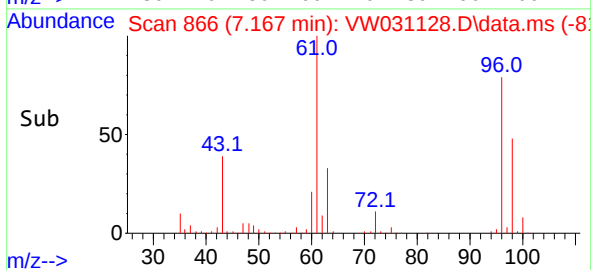
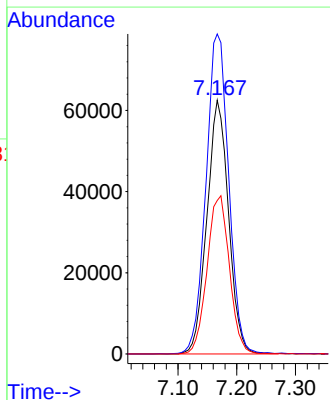
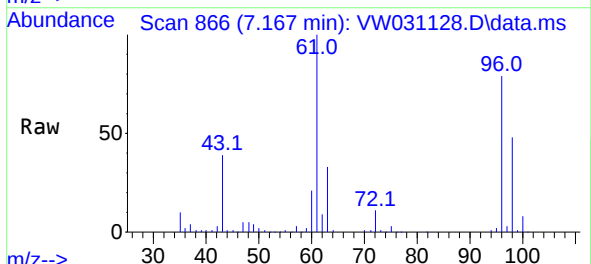
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 30.6  | 21.7  | 40.3  |
| 83  | 13.2  | 8.9   | 16.5  |

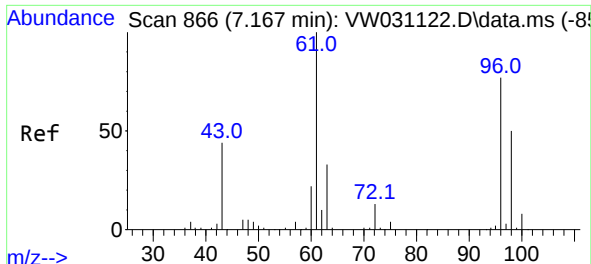


#20  
 cis-1,2-Dichloroethene  
 Concen: 25.365 ug/L  
 RT: 7.167 min Scan# 866  
 Delta R.T. -0.006 min  
 Lab File: VW031128.D  
 Acq: 04 Dec 2024 15:03

Tgt Ion: 96 Resp: 160236  

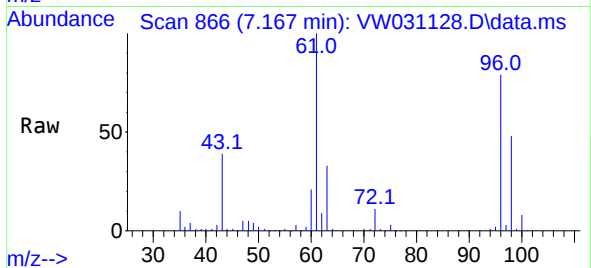
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.1 | 83.7  | 155.5 |
| 98  | 60.5  | 43.9  | 81.5  |



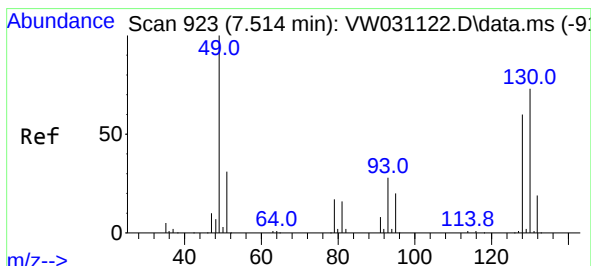
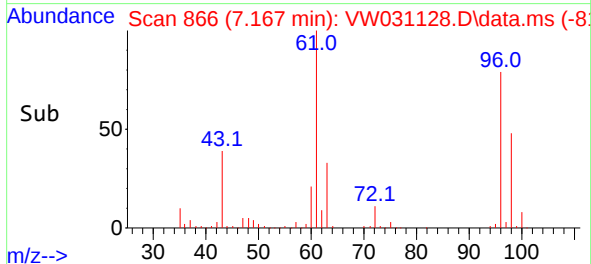
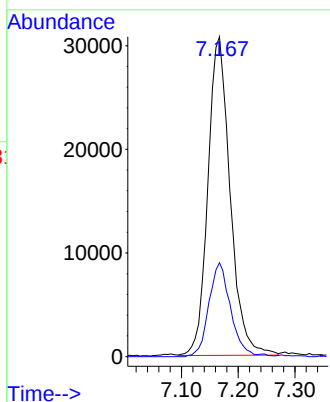


#22  
2-Butanone  
Concen: 46.134 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

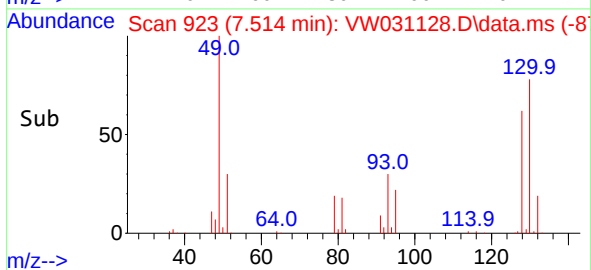
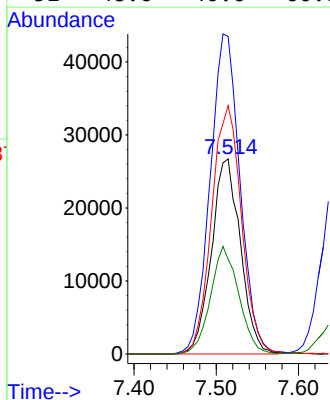
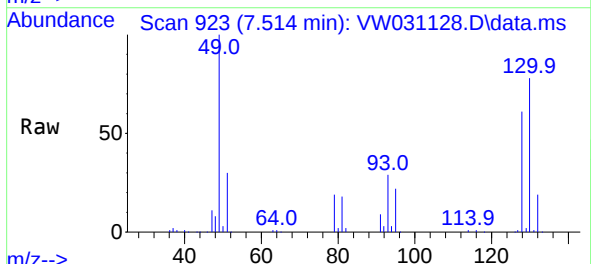


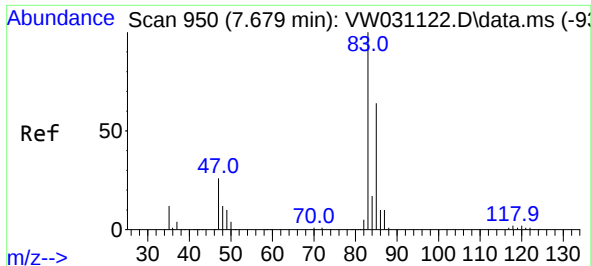
Tgt Ion: 43 Resp: 83692  
Ion Ratio Lower Upper  
43 100  
72 28.6 14.9 44.7



#23  
Bromochloromethane  
Concen: 24.392 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 128 Resp: 65424  
Ion Ratio Lower Upper  
128 100  
49 162.8 110.9 206.1  
130 127.3 93.7 173.9  
51 48.6 40.6 60.8

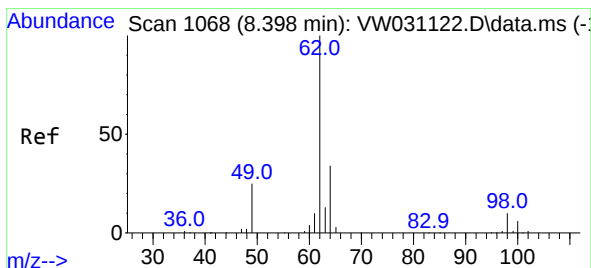
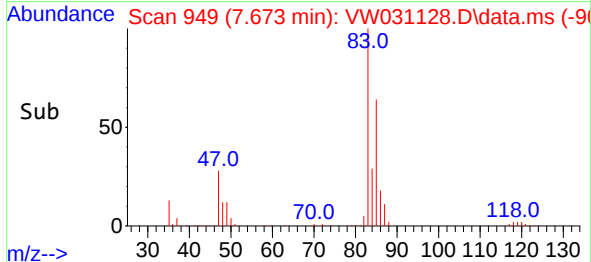
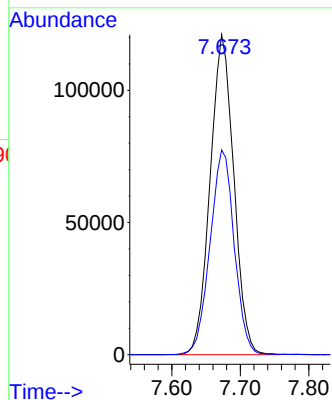
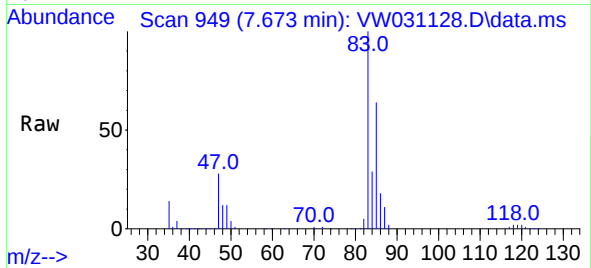




#25  
Chloroform  
Concen: 25.201 ug/L  
RT: 7.673 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

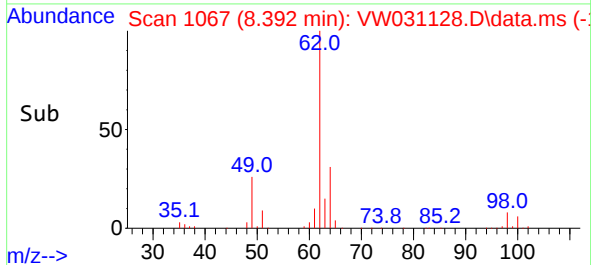
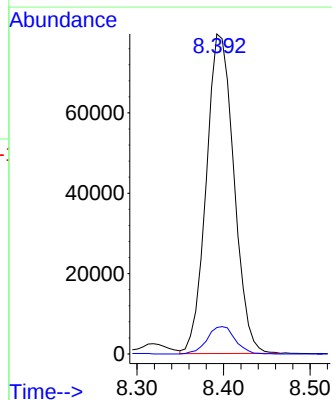
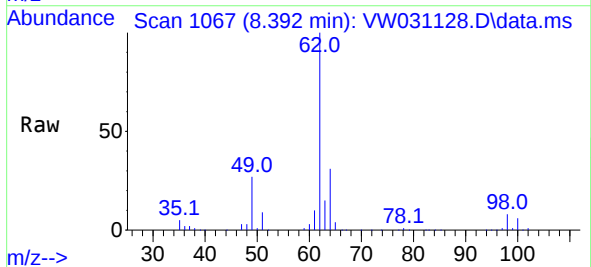
Instrument :  
MSVOA\_W  
ClientSampleId :

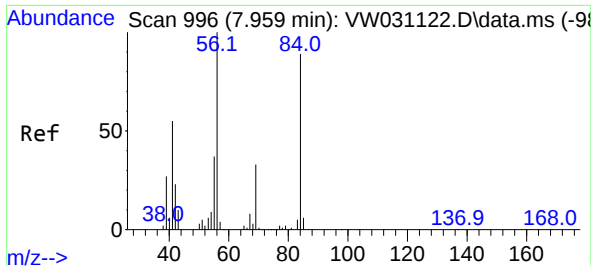
Tgt Ion: 83 Resp: 289956  
Ion Ratio Lower Upper  
83 100  
85 64.0 46.5 86.3



#27  
1,2-Dichloroethane  
Concen: 24.875 ug/L  
RT: 8.392 min Scan# 1067  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

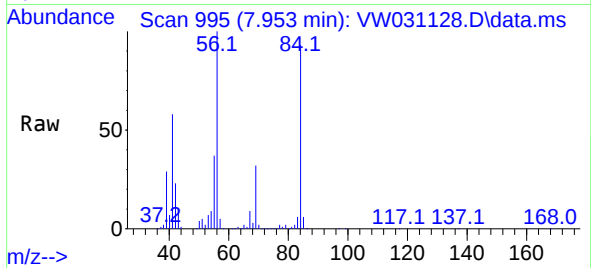
Tgt Ion: 62 Resp: 176292  
Ion Ratio Lower Upper  
62 100  
98 8.2 7.7 11.5



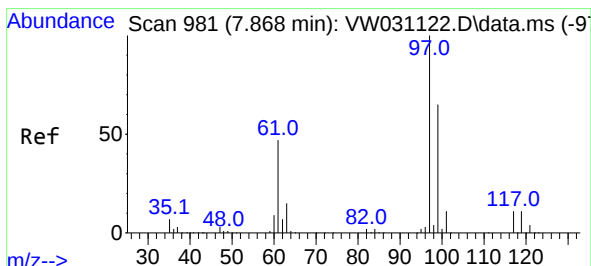
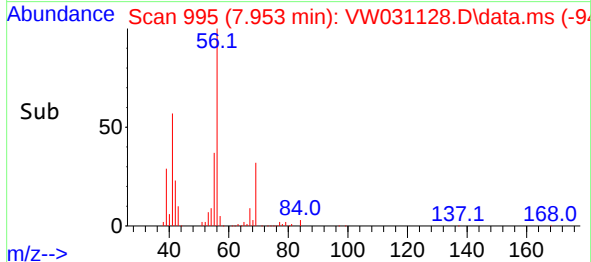
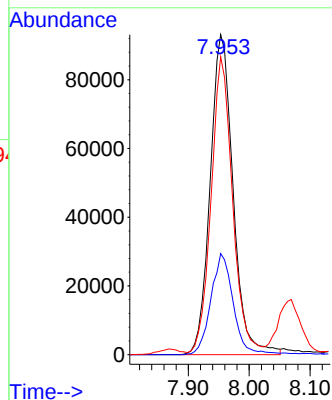


#29  
Cyclohexane  
Concen: 27.901 ug/L  
RT: 7.953 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

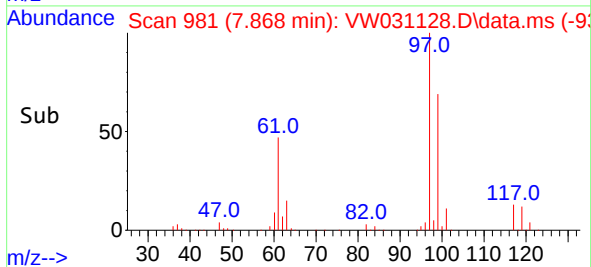
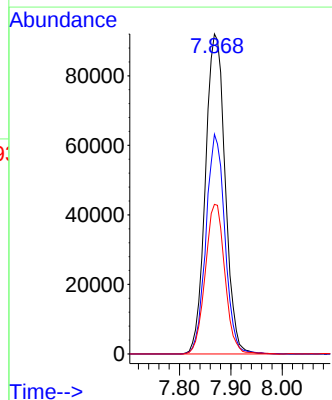
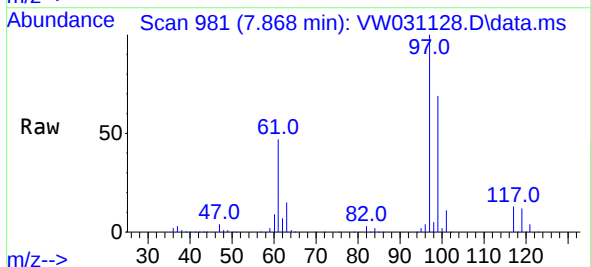


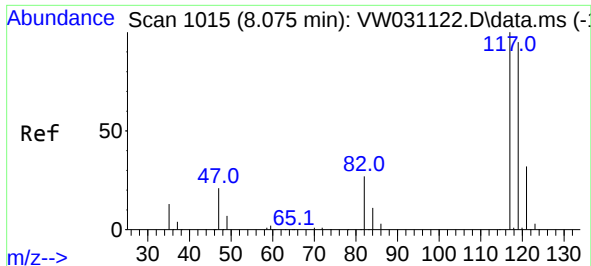
Tgt Ion: 56 Resp: 243331  
Ion Ratio Lower Upper  
56 100  
69 30.7 25.4 38.2  
84 86.7 71.1 106.7



#30  
1,1,1-Trichloroethane  
Concen: 26.273 ug/L  
RT: 7.868 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 97 Resp: 245195  
Ion Ratio Lower Upper  
97 100  
99 66.0 51.6 77.4  
61 46.6 33.8 50.6

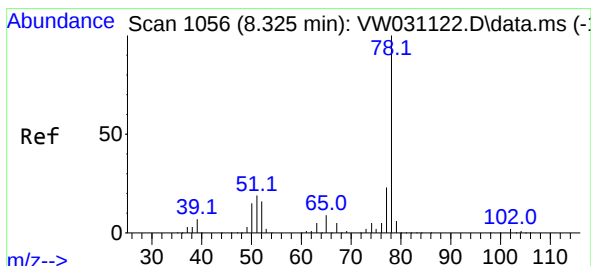
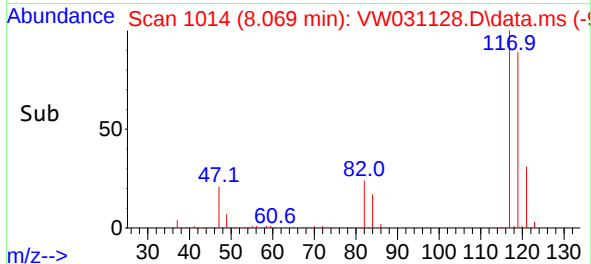
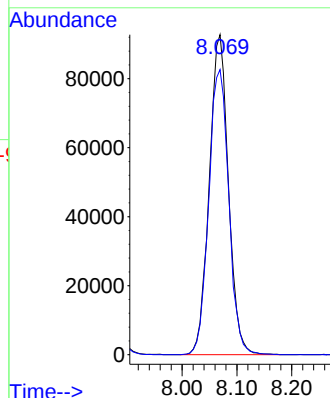
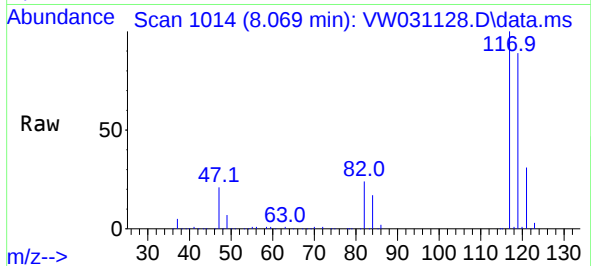




#31  
Carbon tetrachloride  
Concen: 26.343 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

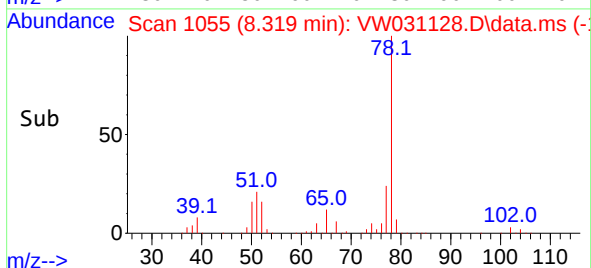
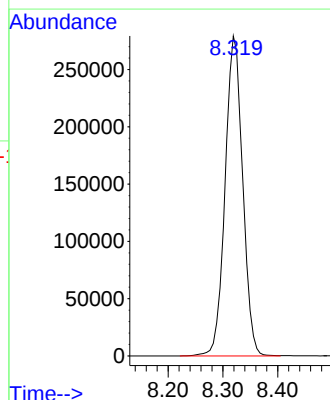
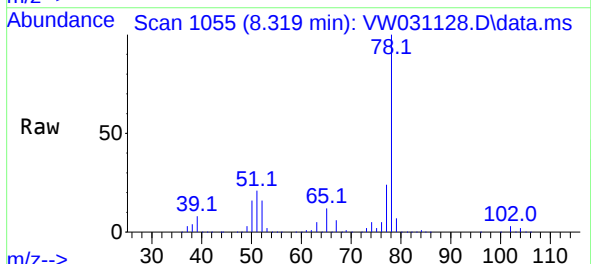
Instrument :  
MSVOA\_W  
ClientSampleId :

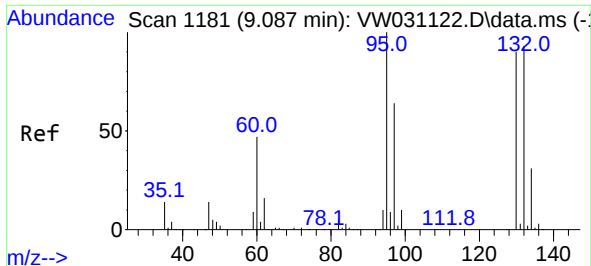
Tgt Ion:117 Resp: 224654  
Ion Ratio Lower Upper  
117 100  
119 93.3 75.8 113.8



#33  
Benzene  
Concen: 26.594 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

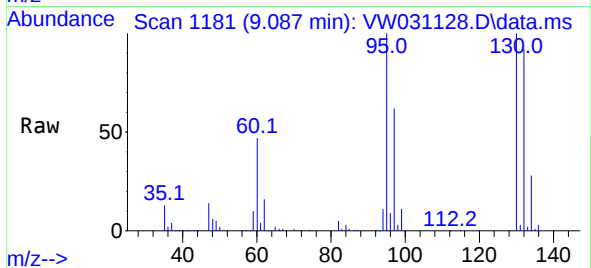
Tgt Ion: 78 Resp: 623117





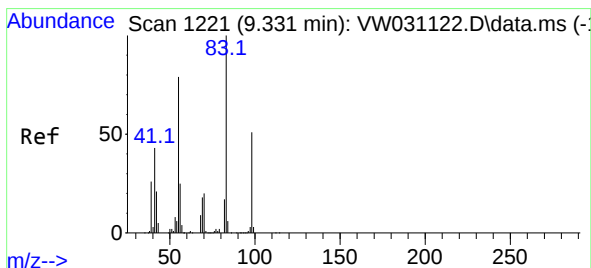
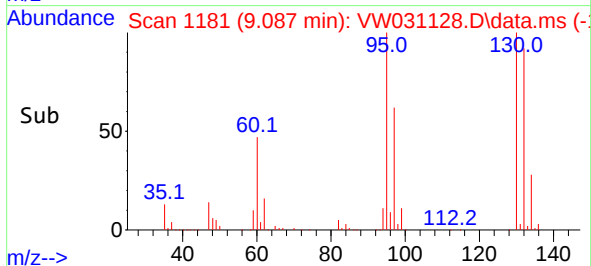
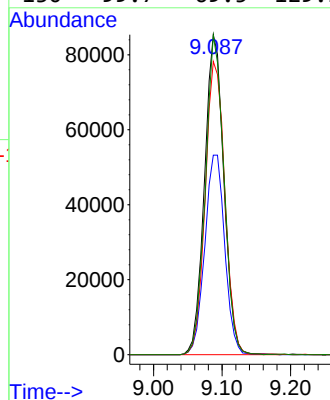
#34  
Trichloroethene  
Concen: 25.988 ug/L  
RT: 9.087 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 167958

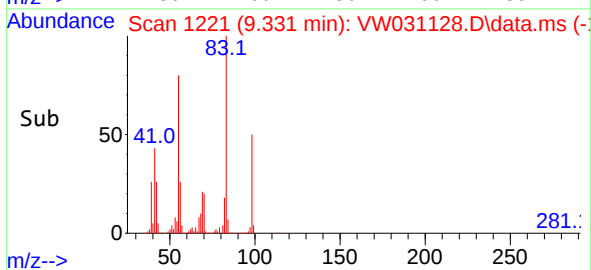
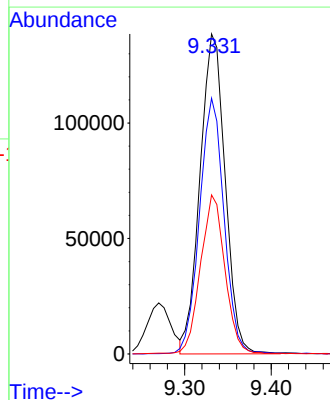
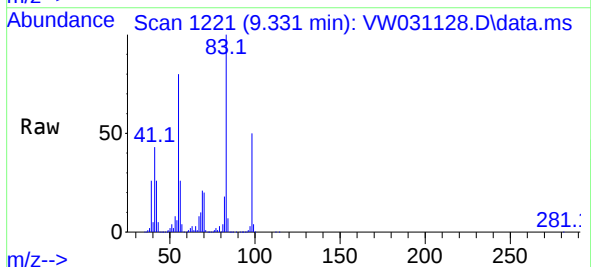
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.3  | 48.0  | 89.2  |
| 132 | 91.6  | 67.4  | 125.2 |
| 130 | 99.7  | 69.5  | 129.1 |

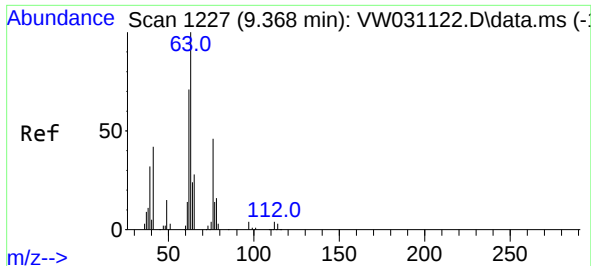


#35  
Methylcyclohexane  
Concen: 27.210 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 83 Resp: 279836

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.1  | 59.5  | 89.3  |
| 98  | 48.4  | 38.7  | 58.1  |





#37

1,2-Dichloropropane

Concen: 25.802 ug/L

RT: 9.362 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

Instrument :

MSVOA\_W

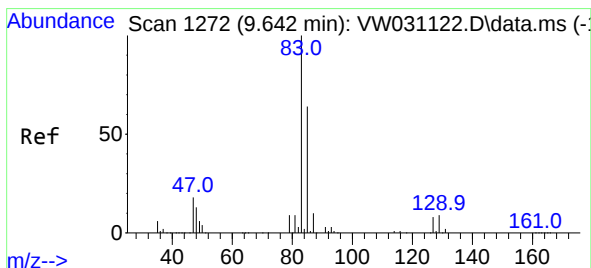
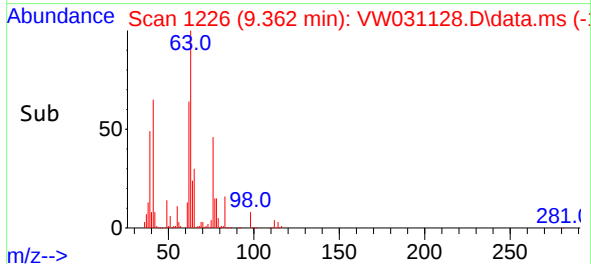
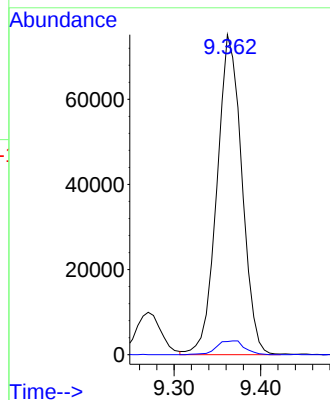
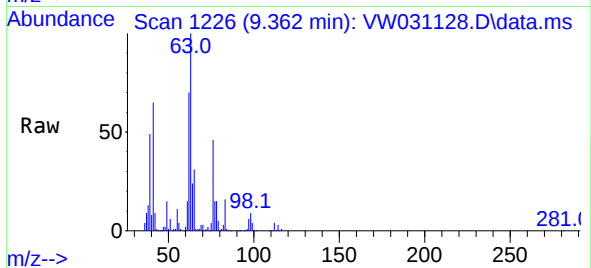
ClientSampleId :

Tgt Ion: 63 Resp: 150384

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 25.835 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

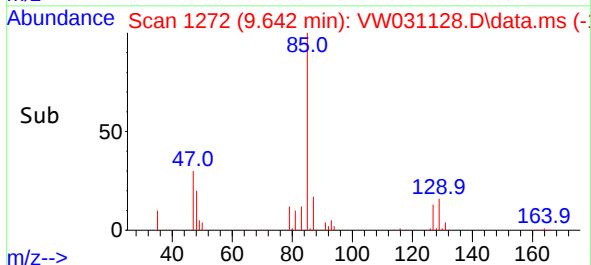
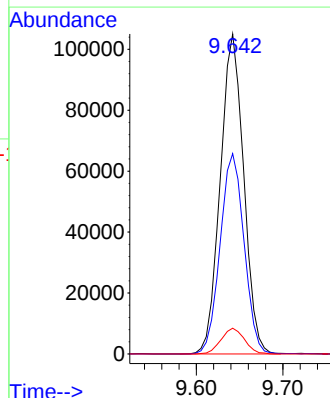
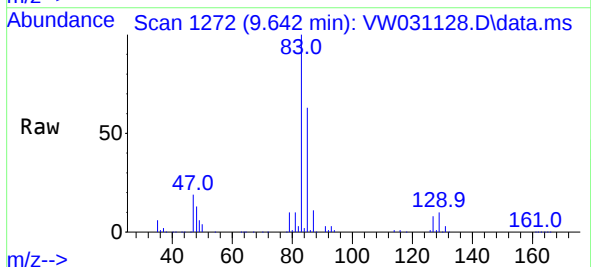
Tgt Ion: 83 Resp: 197098

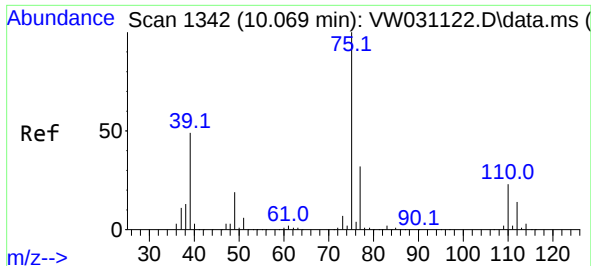
Ion Ratio Lower Upper

83 100

85 62.6 48.7 90.5

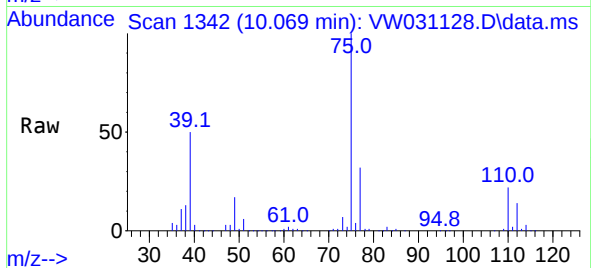
127 8.0 7.2 10.8



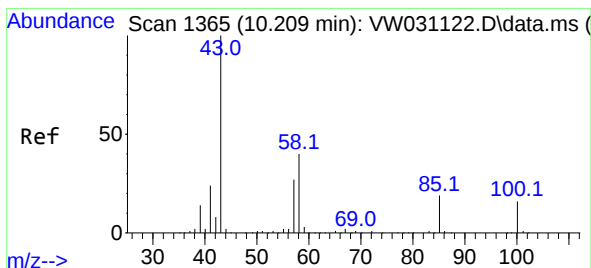
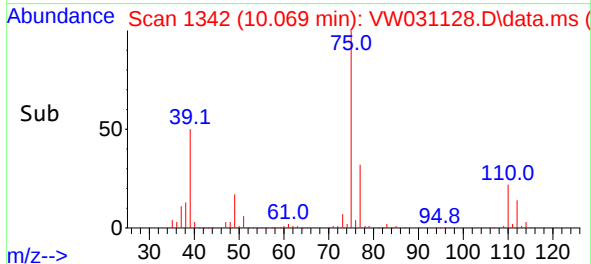
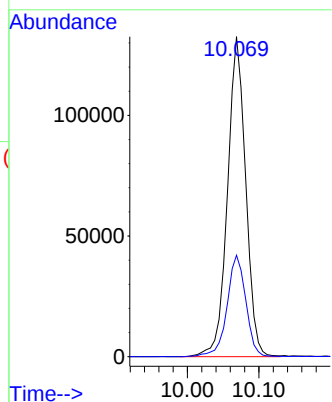


#39  
cis-1,3-Dichloropropene  
Concen: 26.630 ug/L  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

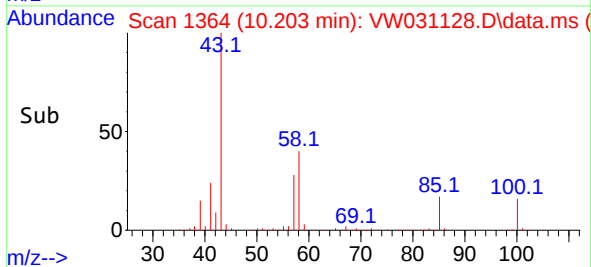
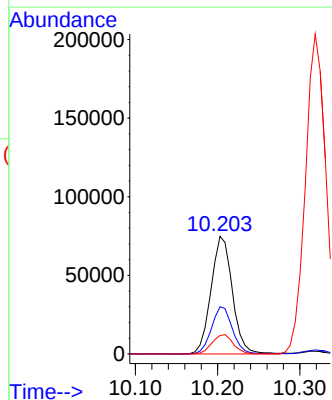
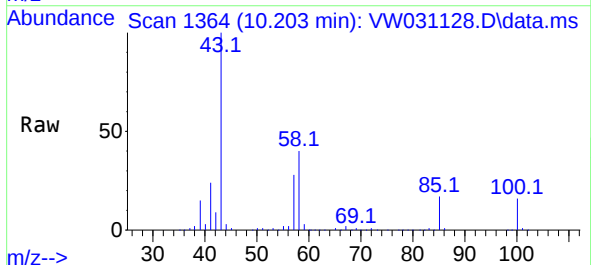


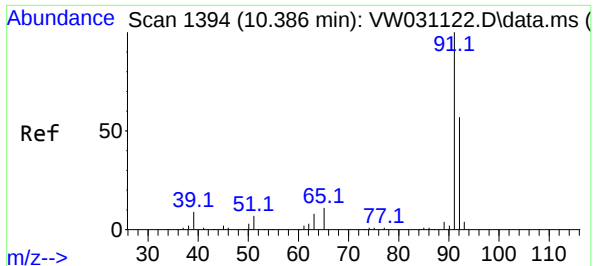
Tgt Ion: 75 Resp: 234343  
Ion Ratio Lower Upper  
75 100  
77 31.7 21.6 40.2



#40  
4-Methyl-2-pentanone  
Concen: 51.655 ug/L  
RT: 10.203 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

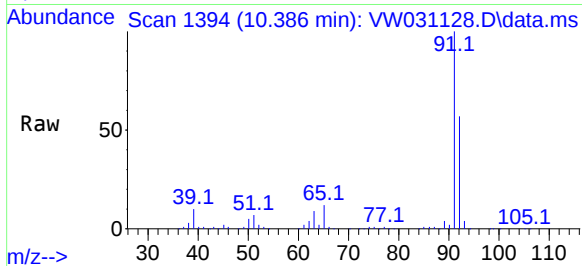
Tgt Ion: 43 Resp: 134819  
Ion Ratio Lower Upper  
43 100  
58 39.3 33.7 50.5  
100 16.5 14.2 21.2



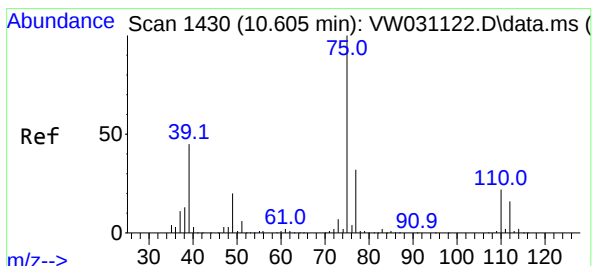
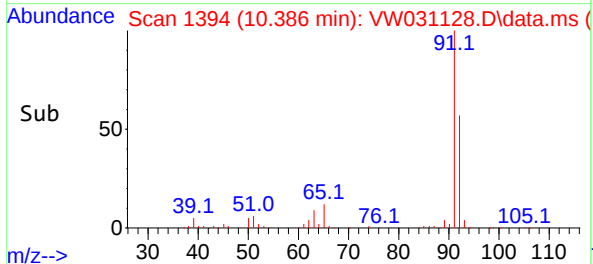
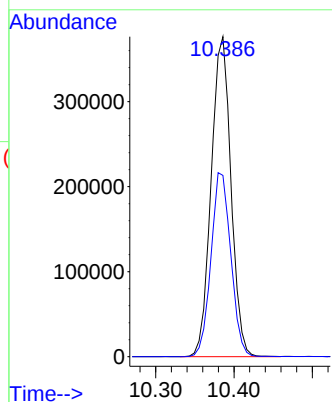


#42  
Toluene  
Concen: 26.692 ug/L  
RT: 10.386 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

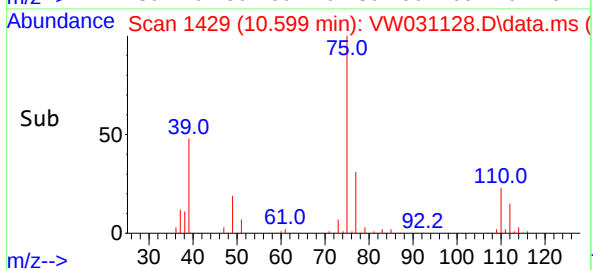
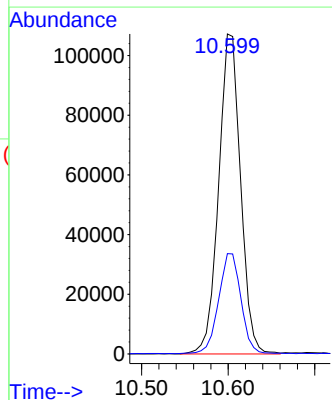
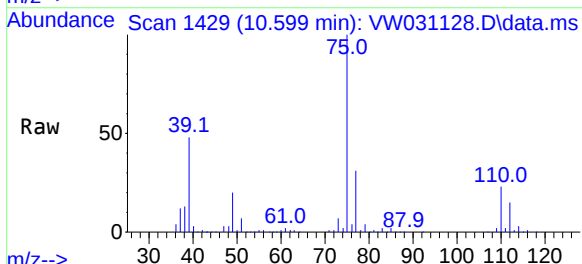


Tgt Ion: 91 Resp: 658799  
Ion Ratio Lower Upper  
91 100  
92 56.7 40.8 75.8

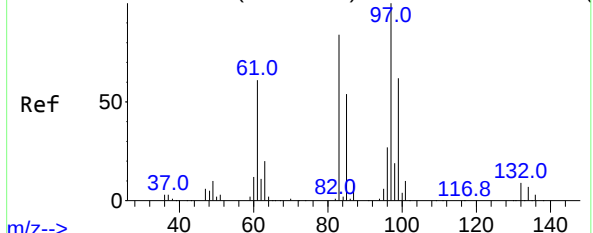


#44  
trans-1,3-Dichloropropene  
Concen: 26.035 ug/L  
RT: 10.599 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

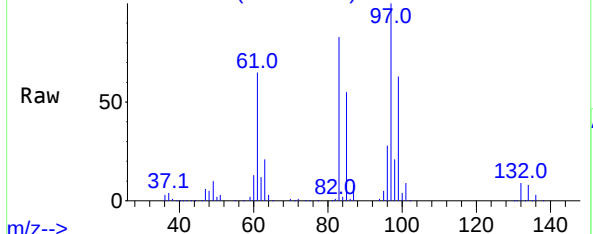
Tgt Ion: 75 Resp: 188354  
Ion Ratio Lower Upper  
75 100  
77 31.3 22.1 41.1



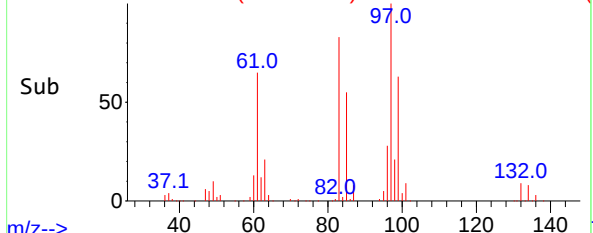
Abundance Scan 1460 (10.788 min): VW031122.D\data.ms (



m/z--> Abundance Scan 1459 (10.782 min): VW031128.D\data.ms



m/z--> Abundance Scan 1459 (10.782 min): VW031128.D\data.ms (



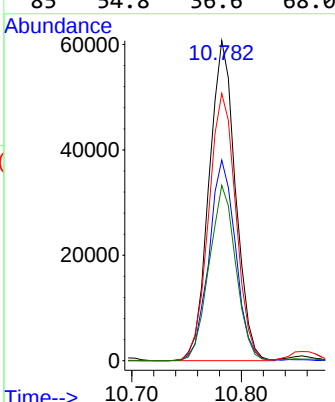
m/z-->

#45

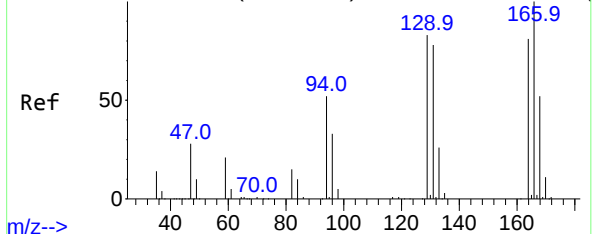
1,1,2-Trichloroethane  
Concen: 25.439 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

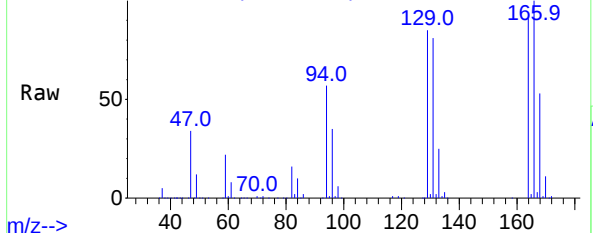
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 101899 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.7  | 42.4  | 78.8   |
| 83       | 83.5  | 57.8  | 107.4  |
| 85       | 54.8  | 36.6  | 68.0   |



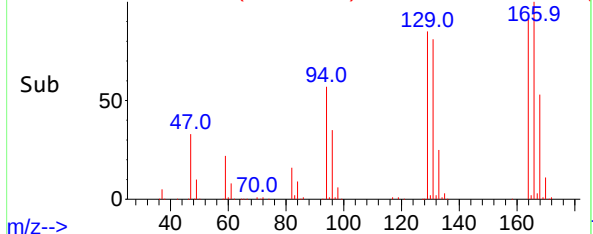
Abundance Scan 1472 (10.861 min): VW031122.D\data.ms (



m/z--> Abundance Scan 1471 (10.855 min): VW031128.D\data.ms



m/z--> Abundance Scan 1471 (10.855 min): VW031128.D\data.ms (

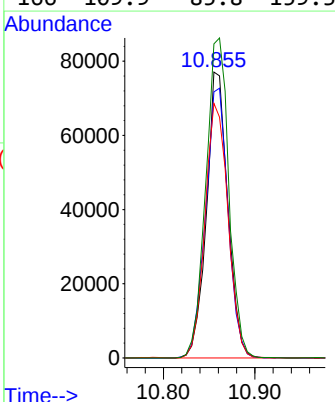


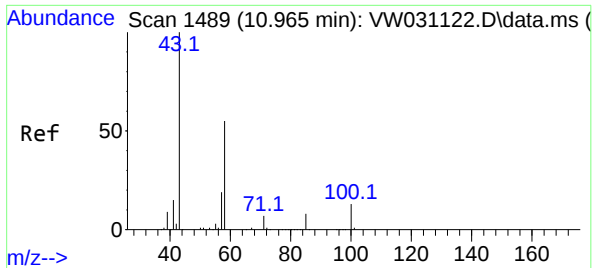
m/z-->

#46

Tetrachloroethene  
Concen: 26.148 ug/L  
RT: 10.855 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

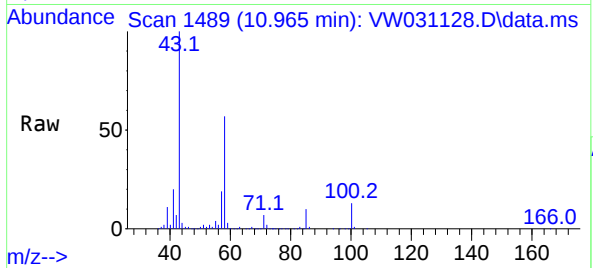
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 125279 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.1  | 61.9  | 114.9  |
| 131      | 89.0  | 67.9  | 126.1  |
| 166      | 109.9 | 85.8  | 159.3  |





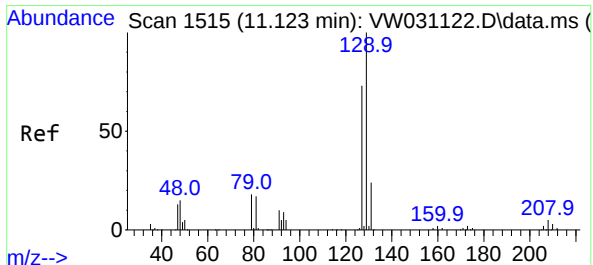
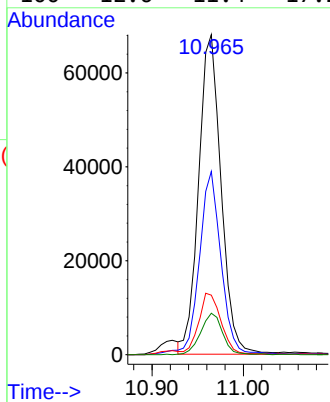
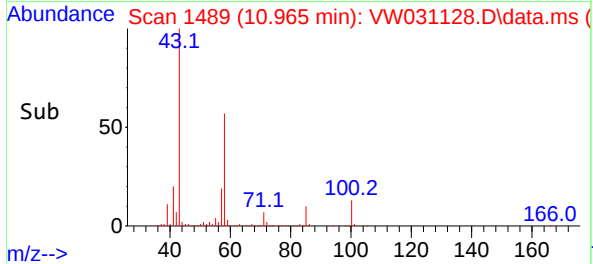
#48  
2-Hexanone  
Concen: 49.228 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 43 Resp: 116243

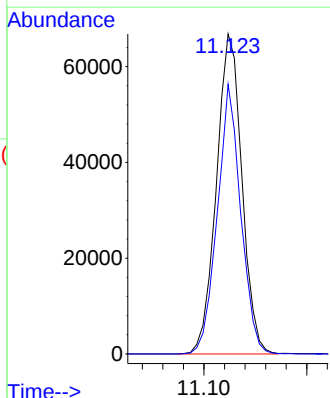
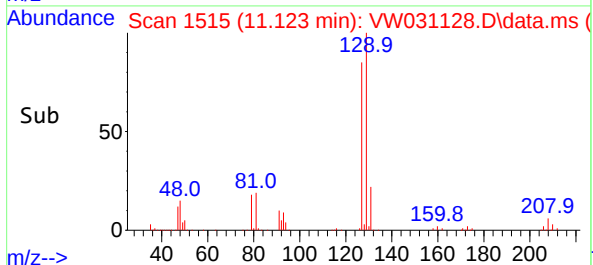
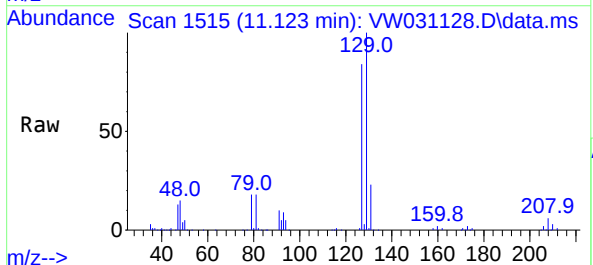
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.2  | 49.8  | 74.6  |
| 57  | 19.3  | 16.6  | 24.8  |
| 100 | 12.6  | 11.4  | 17.2  |

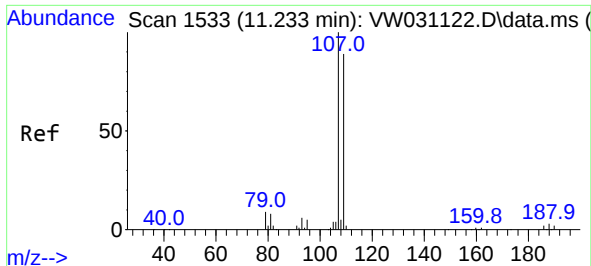


#49  
Dibromochloromethane  
Concen: 26.048 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion: 129 Resp: 114940

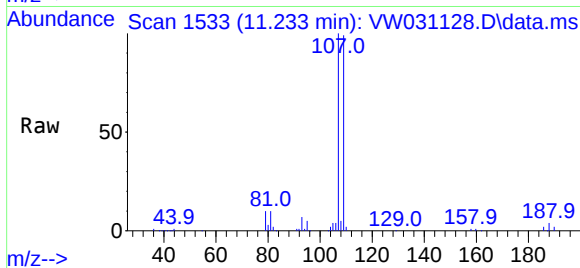
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 84.3  | 51.4  | 95.4  |



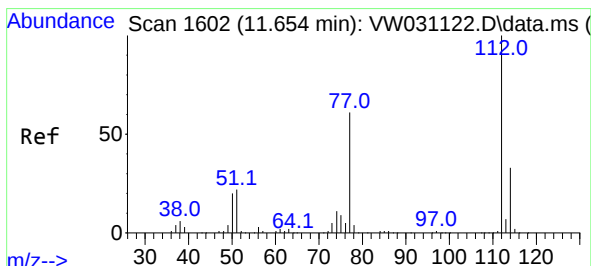
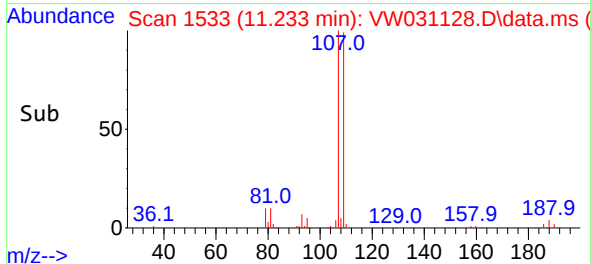
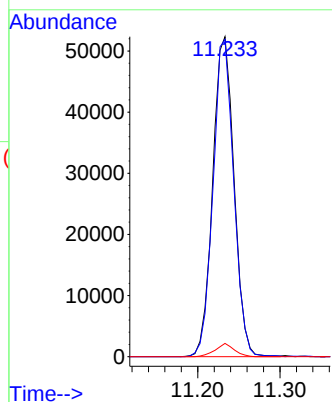


#50  
1,2-Dibromoethane  
Concen: 25.109 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

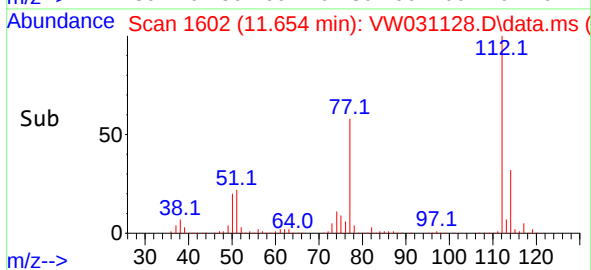
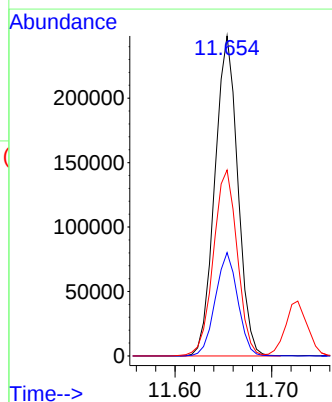
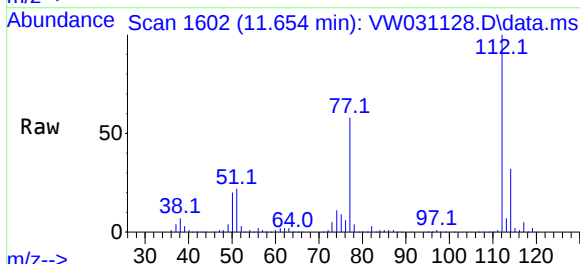


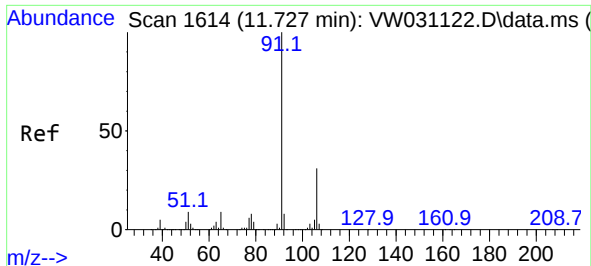
Tgt Ion:107 Resp: 93989  
Ion Ratio Lower Upper  
107 100  
109 99.1 71.0 131.9  
188 4.1 3.0 4.4



#51  
Chlorobenzene  
Concen: 25.935 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:112 Resp: 408602  
Ion Ratio Lower Upper  
112 100  
114 32.3 21.2 39.4  
77 58.1 45.4 68.0





#52

Ethylbenzene

Concen: 27.183 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

Instrument :

MSVOA\_W

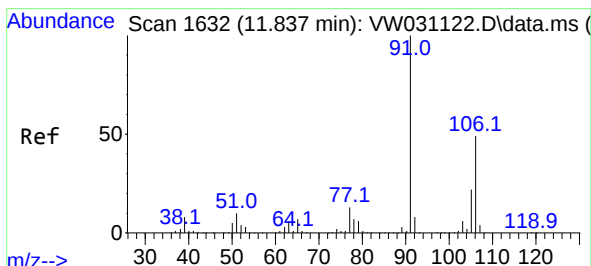
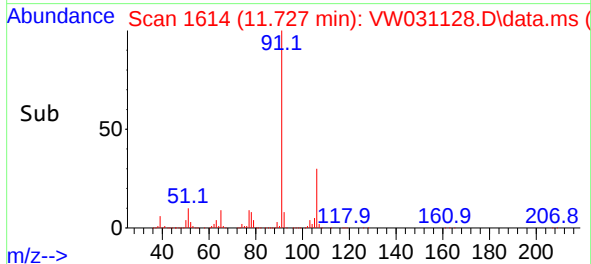
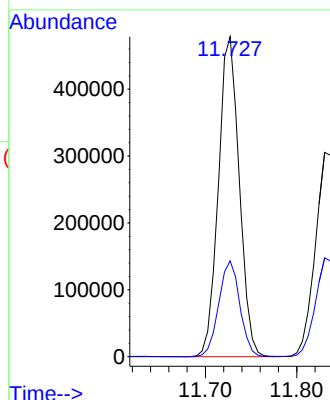
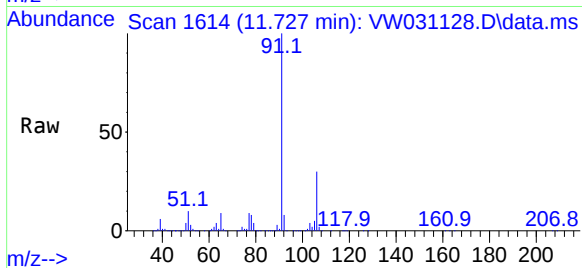
ClientSampleId :

Tgt Ion: 91 Resp: 760287

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 27.237 ug/L

RT: 11.831 min Scan# 1631

Delta R.T. -0.006 min

Lab File: VW031128.D

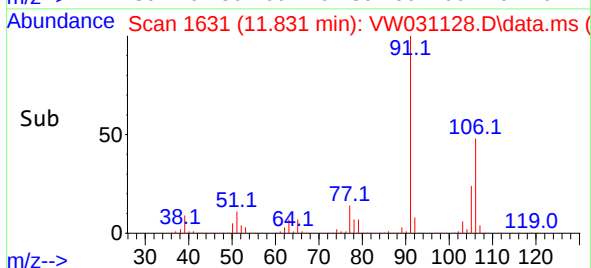
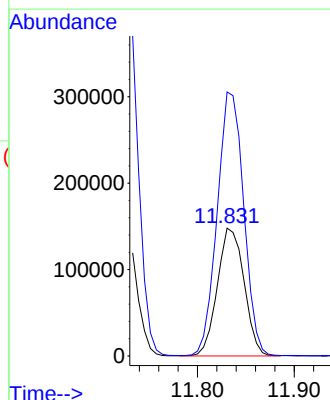
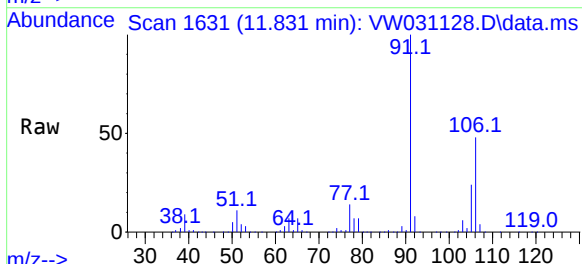
Acq: 04 Dec 2024 15:03

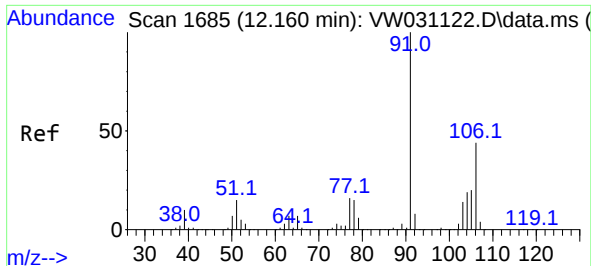
Tgt Ion:106 Resp: 283520

Ion Ratio Lower Upper

106 100

91 206.5 140.9 261.7

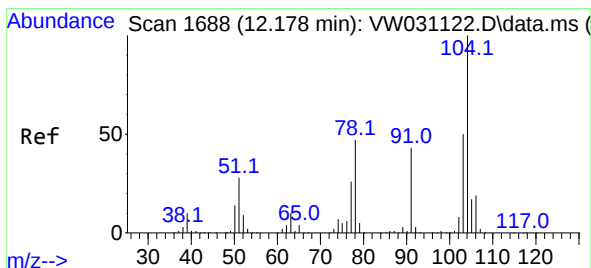
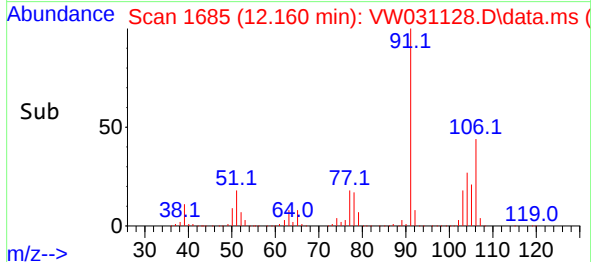
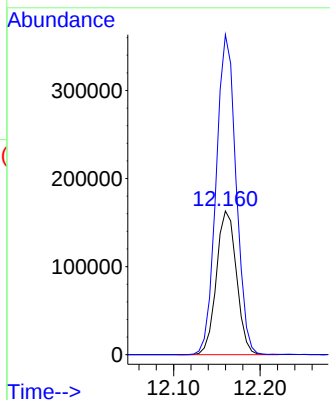
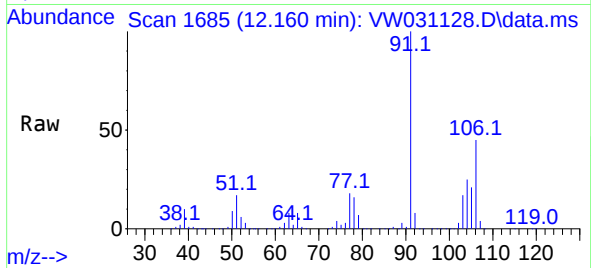




#54  
o-Xylene  
Concen: 27.172 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

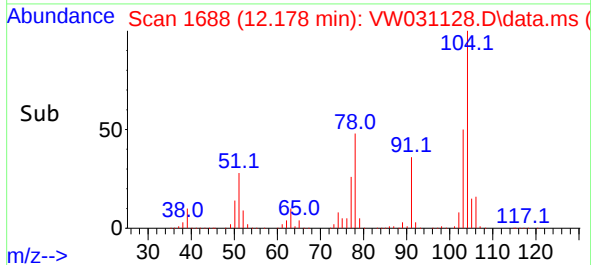
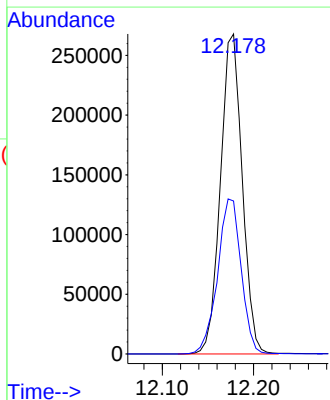
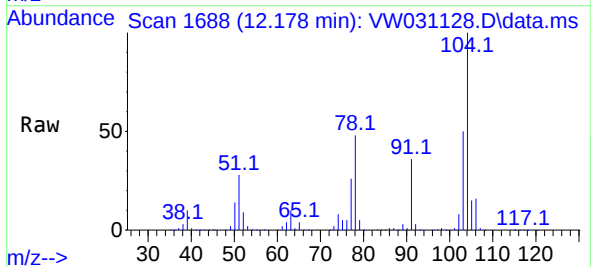
Instrument :  
MSVOA\_W  
ClientSampleId :

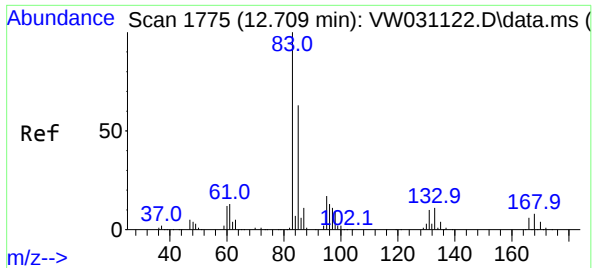
Tgt Ion:106 Resp: 263134  
Ion Ratio Lower Upper  
106 100  
91 222.8 152.7 283.5



#55  
Styrene  
Concen: 27.288 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:104 Resp: 444833  
Ion Ratio Lower Upper  
104 100  
78 47.8 30.2 56.0

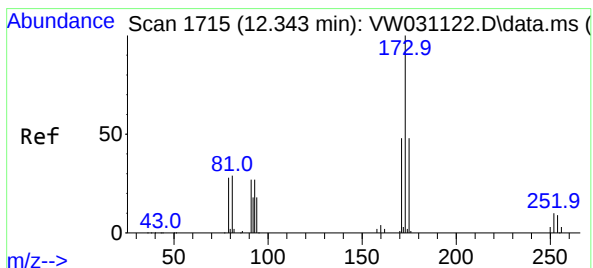
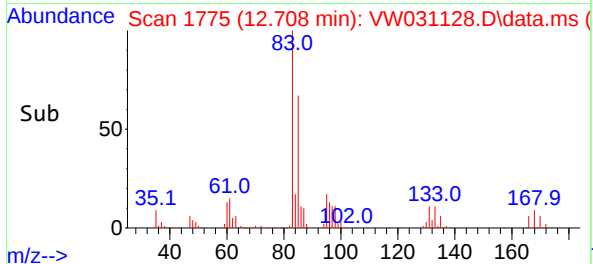
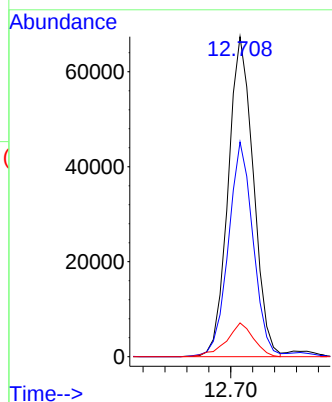
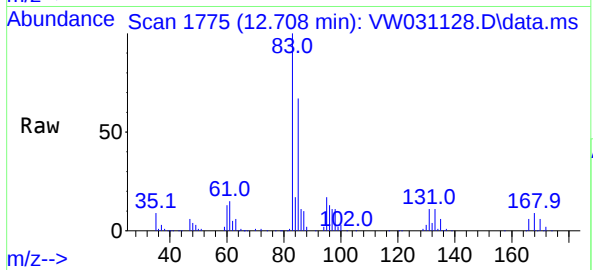




#57  
1,1,2,2-Tetrachloroethane  
Concen: 24.776 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

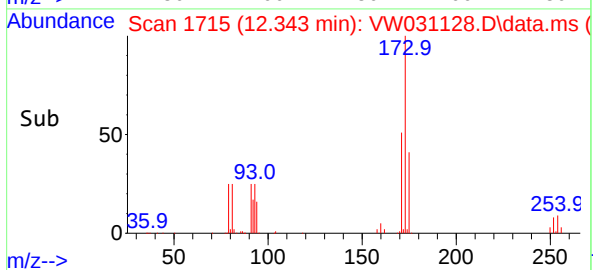
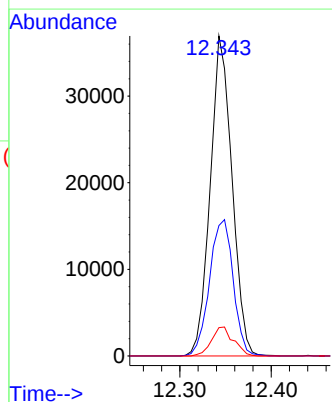
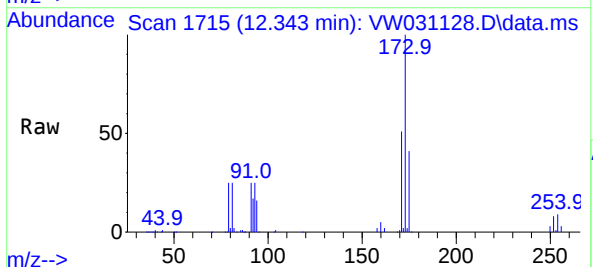
Instrument :  
MSVOA\_W  
ClientSampleId :

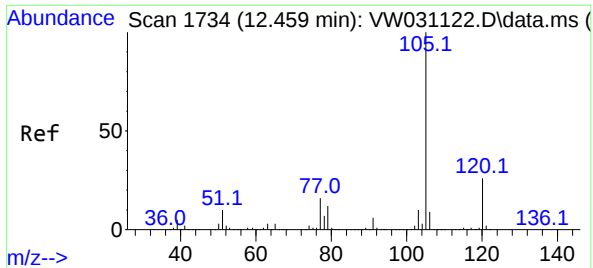
Tgt Ion: 83 Resp: 107511  
Ion Ratio Lower Upper  
83 100  
85 67.1 48.3 89.7  
131 10.6 8.9 13.3



#59  
Bromoform  
Concen: 24.237 ug/L  
RT: 12.343 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:173 Resp: 61153  
Ion Ratio Lower Upper  
173 100  
175 46.4 36.6 54.8  
254 9.1 7.7 11.5

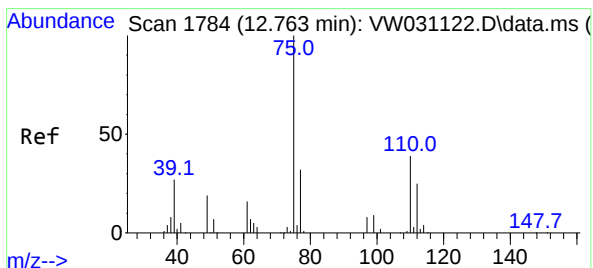
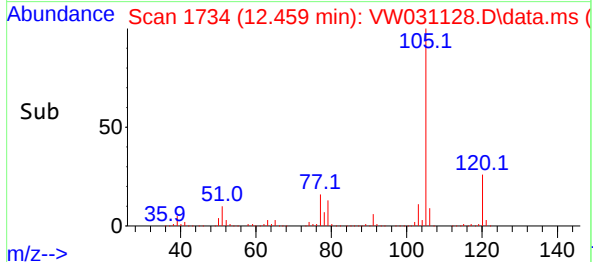
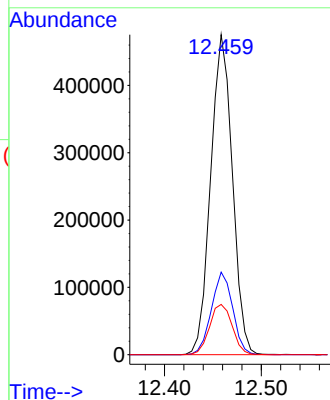
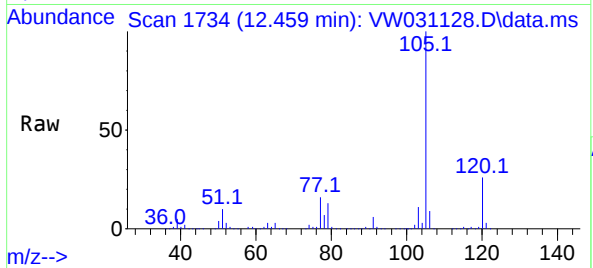




#60  
Isopropylbenzene  
Concen: 26.606 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

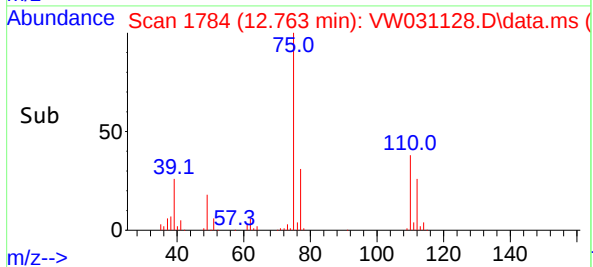
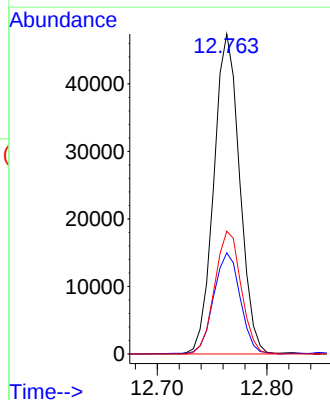
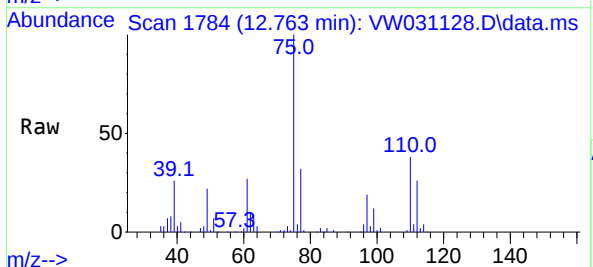
Instrument :  
MSVOA\_W  
ClientSampleId :

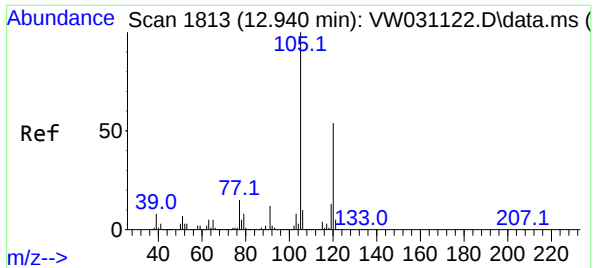
Tgt Ion:105 Resp: 741634  
Ion Ratio Lower Upper  
105 100  
120 25.3 21.5 32.3  
77 16.4 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 24.082 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

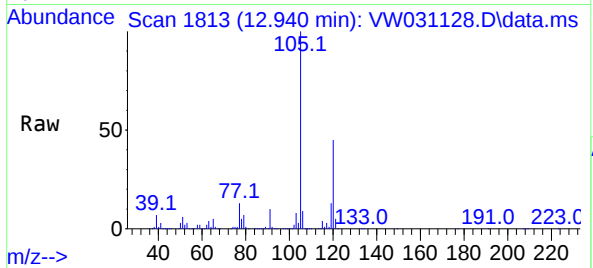
Tgt Ion: 75 Resp: 77697  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.2  
110 39.1 33.1 49.7



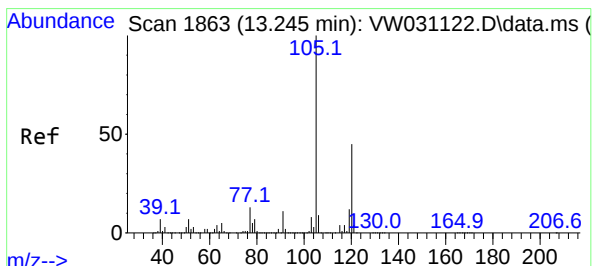
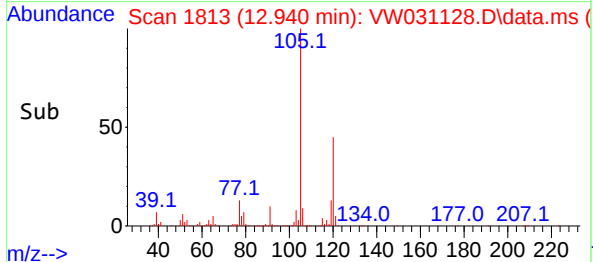
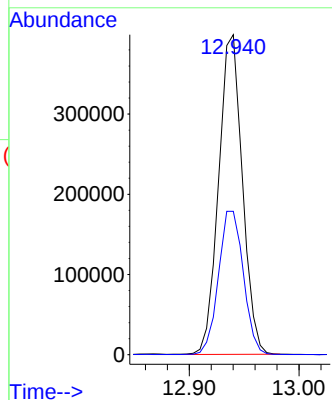


#62  
1,3,5-Trimethylbenzene  
Concen: 27.364 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :

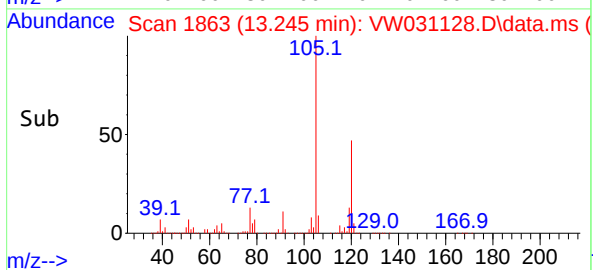
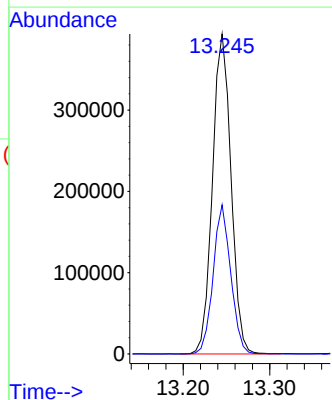
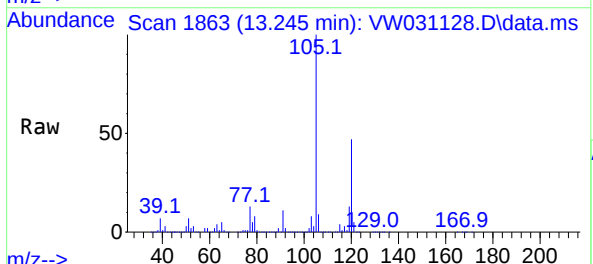


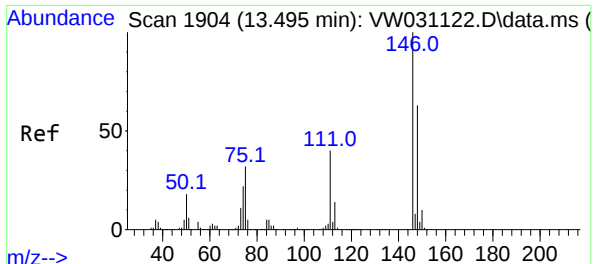
Tgt Ion:105 Resp: 600623  
Ion Ratio Lower Upper  
105 100  
120 47.2 40.5 60.7



#63  
1,2,4-Trimethylbenzene  
Concen: 27.173 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:105 Resp: 585900  
Ion Ratio Lower Upper  
105 100  
120 44.3 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 26.133 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

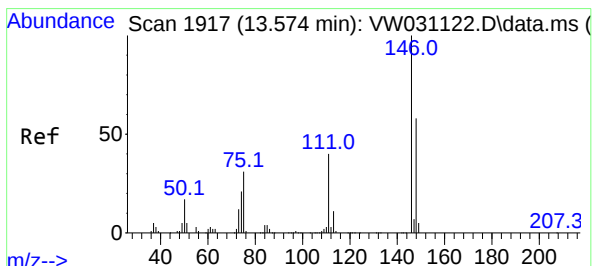
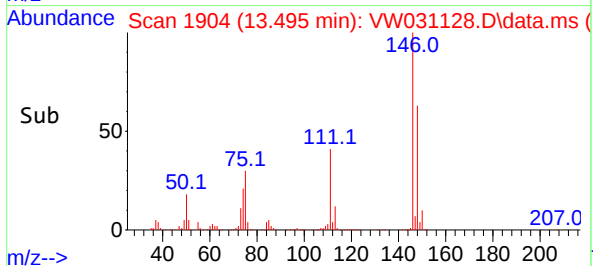
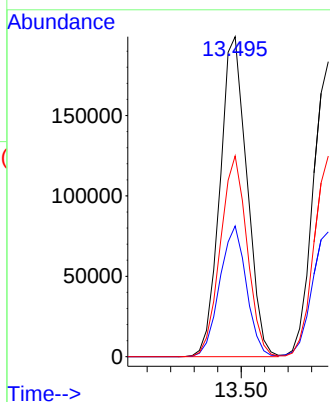
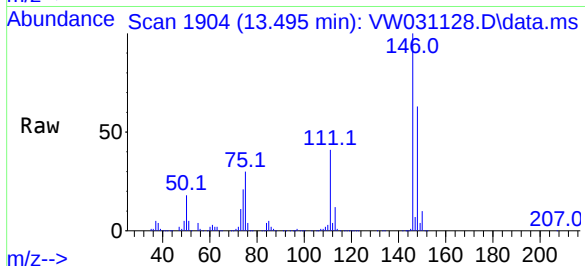
Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:146 Resp: 317666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.9  | 28.5  | 52.9  |
| 148 | 62.8  | 44.1  | 81.9  |



#65

1,4-Dichlorobenzene

Concen: 24.839 ug/L

RT: 13.574 min Scan# 1917

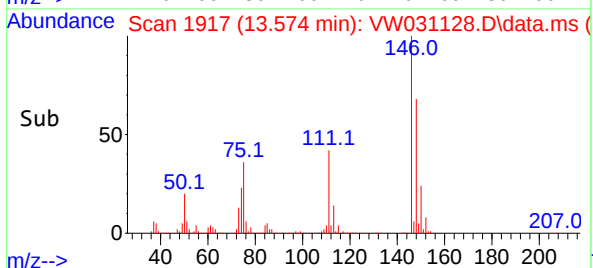
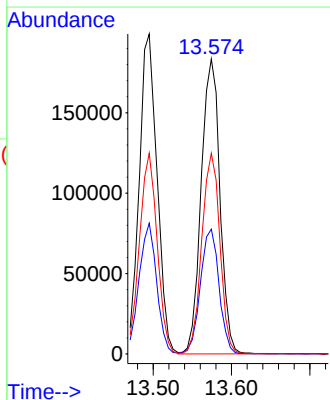
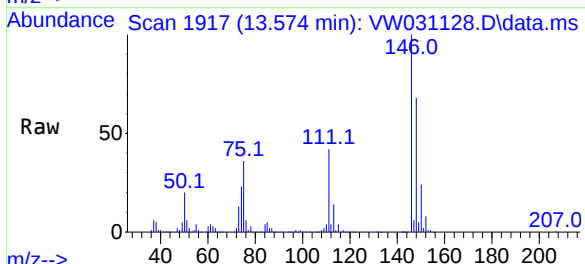
Delta R.T. -0.000 min

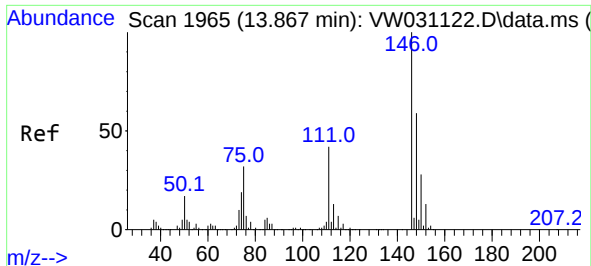
Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

Tgt Ion:146 Resp: 305001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.3  | 26.6  | 49.4  |
| 148 | 68.0  | 42.1  | 78.1  |





#67

1,2-Dichlorobenzene

Concen: 24.196 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

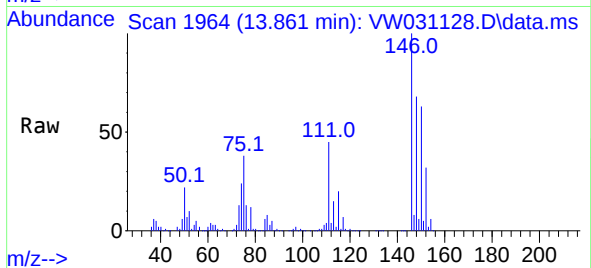
Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

Instrument :

MSVOA\_W

ClientSampleId :



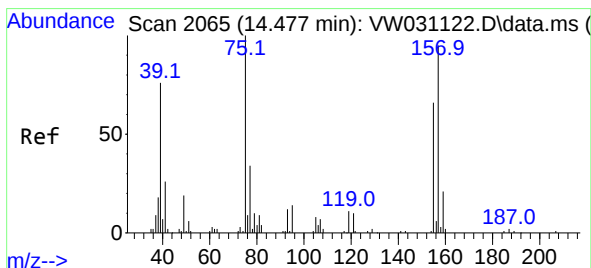
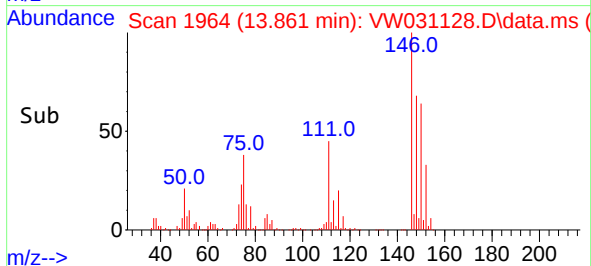
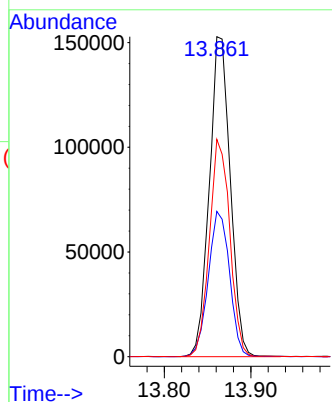
Tgt Ion:146 Resp: 257278

Ion Ratio Lower Upper

146 100

111 45.4 30.9 46.3

148 67.9 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.955 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

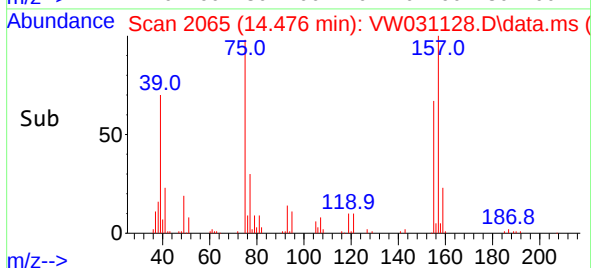
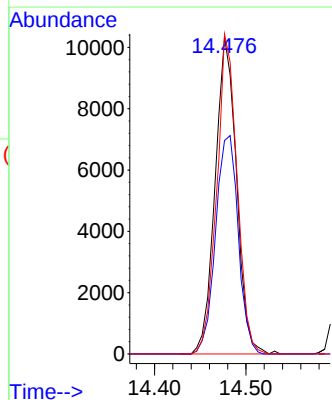
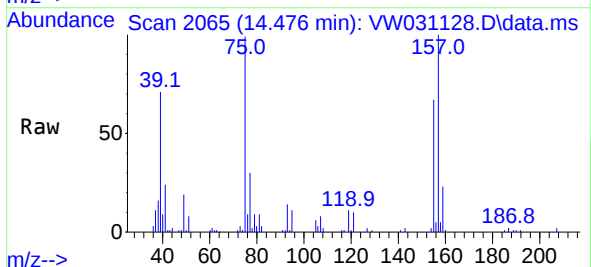
Tgt Ion: 75 Resp: 16782

Ion Ratio Lower Upper

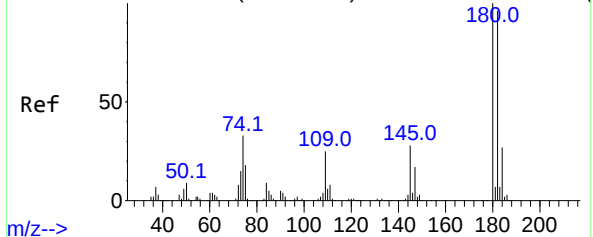
75 100

155 67.3 63.1 94.7

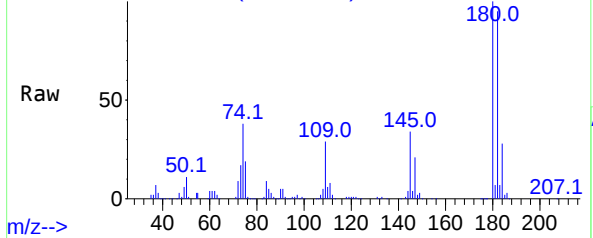
157 100.9 82.1 123.1



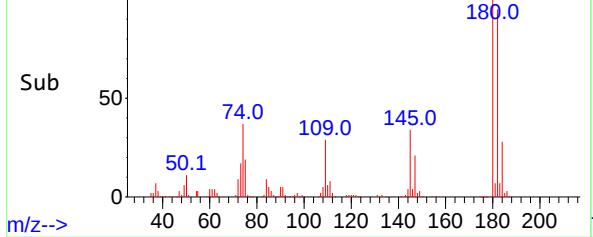
Abundance Scan 2089 (14.623 min): VW031122.D\data.ms (



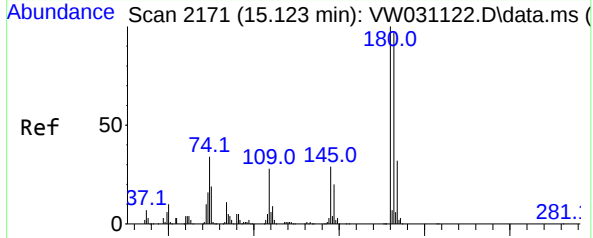
m/z--> Abundance Scan 2089 (14.623 min): VW031128.D\data.ms



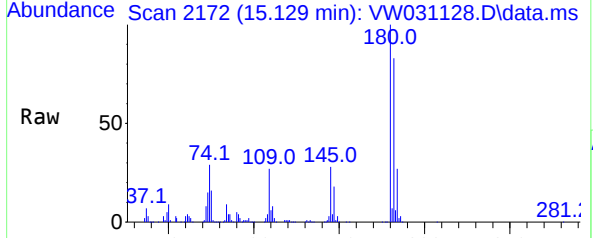
m/z--> Abundance Scan 2089 (14.623 min): VW031128.D\data.ms (



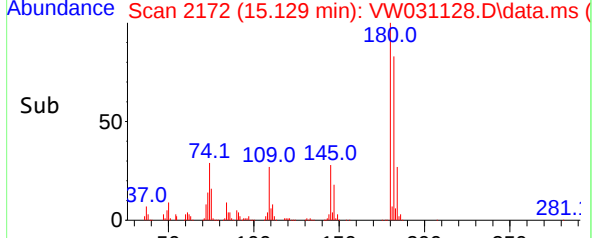
m/z--> Abundance Scan 2171 (15.123 min): VW031122.D\data.ms (



m/z--> Abundance Scan 2172 (15.129 min): VW031128.D\data.ms



m/z--> Abundance Scan 2172 (15.129 min): VW031128.D\data.ms (



m/z--> Abundance Scan 2172 (15.129 min): VW031128.D\data.ms (

#69

1,3,5-Trichlorobenzene

Concen: 25.107 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion:180 Resp: 207374

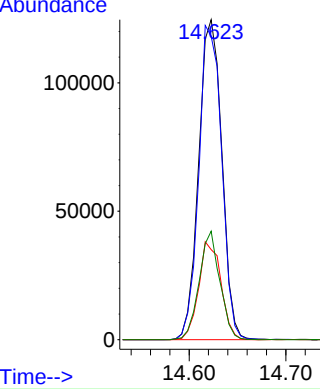
Ion Ratio Lower Upper

180 100

182 97.0 78.2 117.2

184 29.5 24.0 36.0

145 30.3 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 25.330 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW031128.D

Acq: 04 Dec 2024 15:03

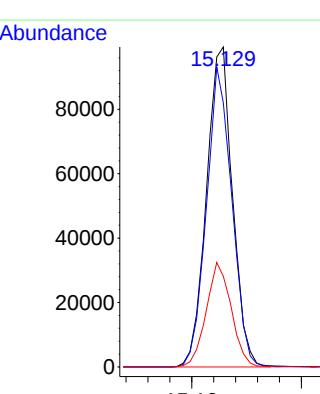
Tgt Ion:180 Resp: 164056

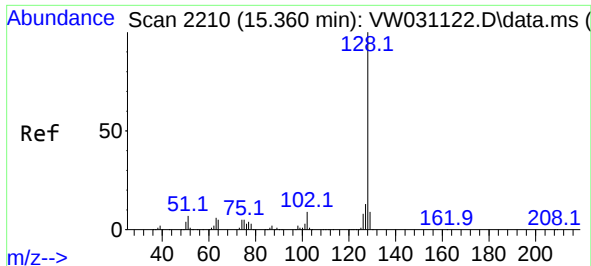
Ion Ratio Lower Upper

180 100

182 91.3 76.1 114.1

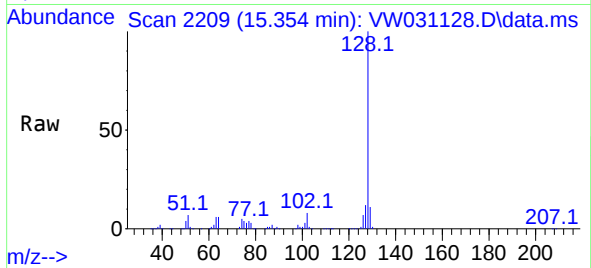
145 31.4 25.7 38.5



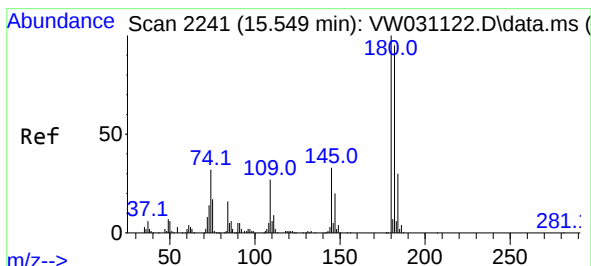
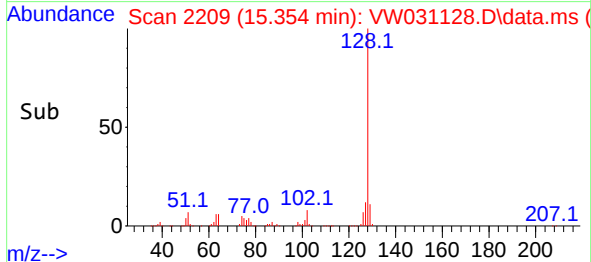
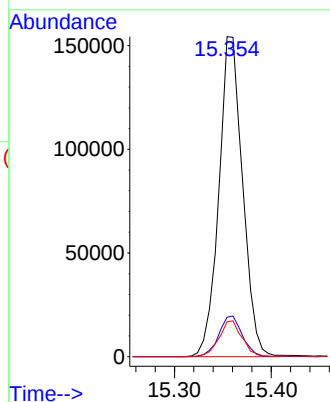


#71  
Naphthalene  
Concen: 25.248 ug/L  
RT: 15.354 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion:128 Resp: 263440  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.4 15.6  
129 10.9 8.3 12.5



#72  
1,2,3-Trichlorobenzene  
Concen: 24.097 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW031128.D  
Acq: 04 Dec 2024 15:03

Tgt Ion:180 Resp: 133586  
Ion Ratio Lower Upper  
180 100  
182 97.7 78.7 118.1  
145 33.1 26.3 39.5

