

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072222\  
 Data File : VW024014.D  
 Acq On : 22 Jul 2022 18:52  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 22 23:14:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 22 23:08:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 229559   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 228076   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 134079   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 130984   | 22.340   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.360%   |
| 7) Chloroethane-d5            | 2.873  | 69    | 90675    | 23.182   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.720%   |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 109025   | 22.836   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.360%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 56392    | 62.008   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 124.020%  |
| 24) Chloroform-d              | 7.647  | 84    | 174366   | 26.089   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 104.360%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 102229   | 25.009   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.040%  |
| 32) Benzene-d6                | 8.275  | 84    | 314467   | 26.524   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 106.080%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 99009    | 27.724   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 110.880%  |
| 41) Toluene-d8                | 10.323 | 98    | 300411   | 24.980   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.920%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 43935    | 26.246   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.000%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 49937    | 66.497   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 133.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 119560   | 30.294   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 121.160%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 118750   | 24.810   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.240%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 49810    | 31.930   | ug/L   | 100       |
| 3) Chloromethane              | 2.209  | 50    | 105126   | 27.518   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.349  | 62    | 156785   | 23.900   | ug/L   | 99        |
| 6) Bromomethane               | 2.770  | 94    | 83995    | 19.795   | ug/L   | 97        |
| 8) Chloroethane               | 2.916  | 64    | 72835    | 23.732   | ug/L   | 96        |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 52014    | 17.443   | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050  | 101   | 72242    | 24.755   | ug/L # | 47        |
| 12) 1,1-Dichloroethene        | 4.025  | 96    | 59733    | 24.547   | ug/L   | 94        |
| 13) Acetone                   | 4.129  | 43    | 32389    | 50.373   | ug/L   | 100       |
| 14) Carbon disulfide          | 4.379  | 76    | 145405   | 20.313   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.666  | 43    | 39859    | 27.698   | ug/L   | 98        |
| 16) Methylene chloride        | 4.916  | 84    | 83537    | 23.272   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 71291    | 24.146   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 123255   | 26.984   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 142359   | 26.139   | ug/L   | 97        |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 86270    | 26.375   | ug/L # | 94        |
| 22) 2-Butanone                | 7.171  | 43    | 56014    | 53.010   | ug/L   | 100       |
| 23) Bromochloromethane        | 7.513  | 128   | 42420    | 26.997   | ug/L   | 93        |
| 25) Chloroform                | 7.671  | 83    | 168314   | 26.827   | ug/L   | 98        |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 22 23:14:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 22 23:08:43 2022  
 Response via : Initial Calibration

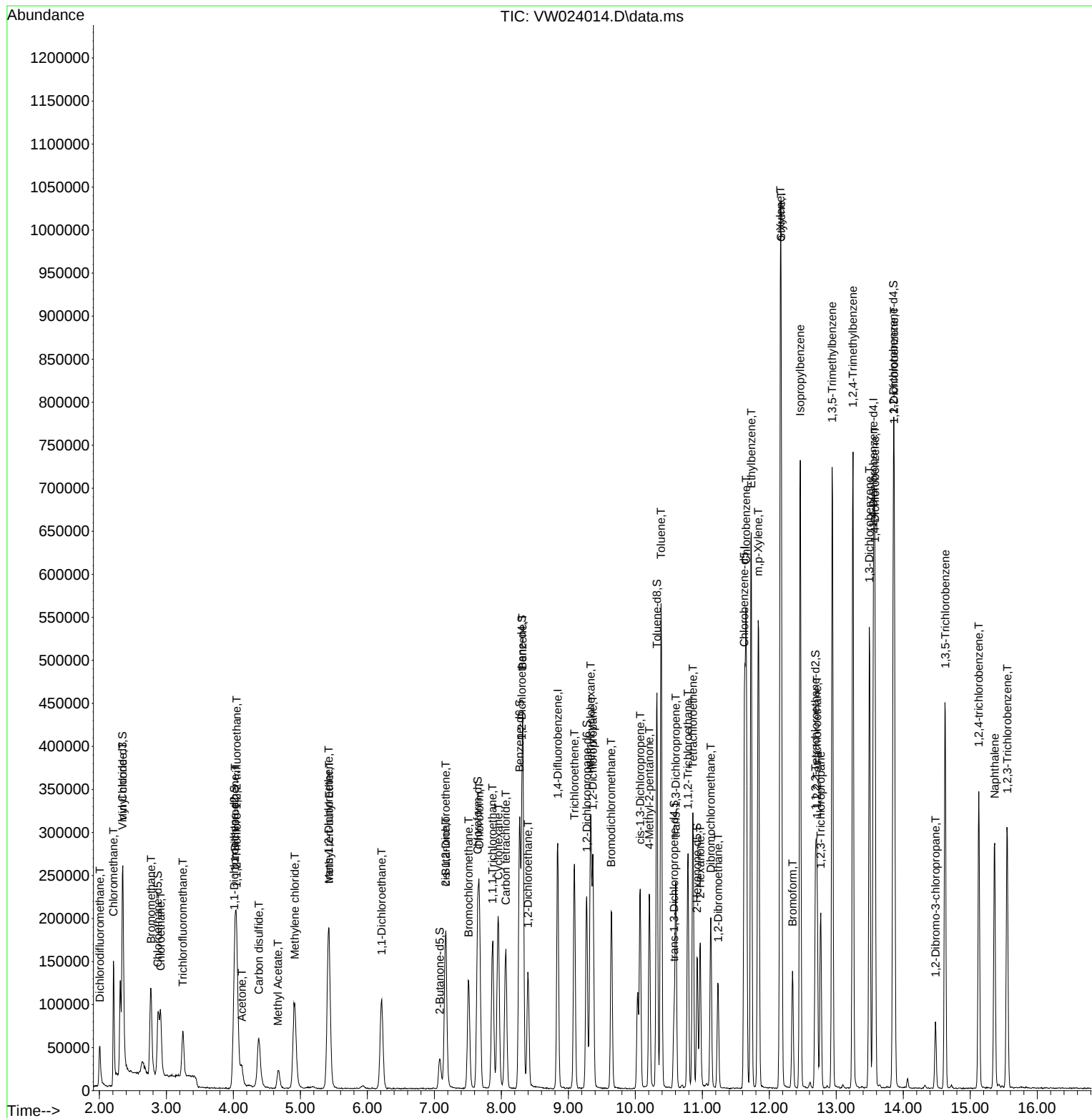
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 119139   | 25.801 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 97638    | 23.407 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 129179   | 26.158 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 117556   | 26.407 | ug/L   | 100      |
| 33) Benzene                   | 8.317  | 78   | 348001   | 26.850 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 86072    | 25.148 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 123948   | 23.783 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 89664    | 27.594 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.640  | 83   | 130950   | 28.875 | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 128065   | 26.149 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 139814   | 61.834 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 393288   | 26.607 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 124351   | 26.713 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 78799    | 27.734 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 65458    | 24.734 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 100438   | 61.010 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 96329    | 29.236 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 78017    | 28.582 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.652 | 112  | 266437   | 26.727 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 446993   | 26.612 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 173863   | 26.530 | ug/L   | 90       |
| 54) o-Xylene                  | 12.164 | 106  | 172719   | 27.443 | ug/L   | 95       |
| 55) Styrene                   | 12.176 | 104  | 318146   | 28.614 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 111526   | 28.778 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 57412    | 29.039 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 459331   | 25.503 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 82193    | 27.957 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 376533   | 25.535 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 382603   | 25.952 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 206559   | 25.259 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 215327   | 24.750 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 205443   | 26.638 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17302    | 25.516 | ug/L # | 67       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 129043   | 23.841 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 94948    | 22.717 | ug/L   | 98       |
| 71) Naphthalene               | 15.365 | 128  | 239096   | 26.669 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 94688    | 24.306 | ug/L   | 99       |

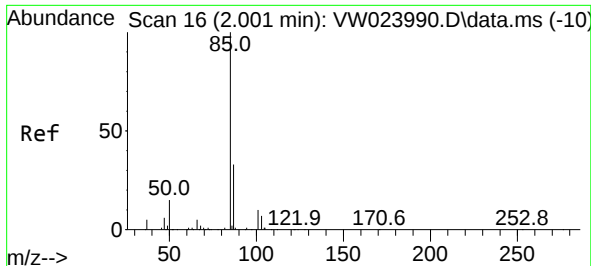
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Fri Jul 22 23:08:43 2022  
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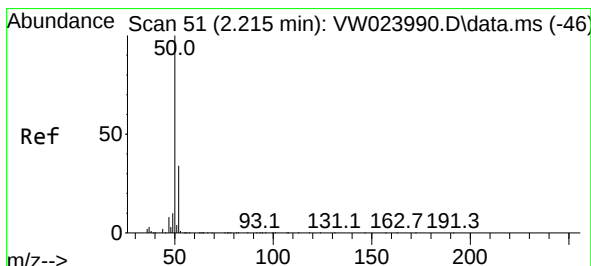
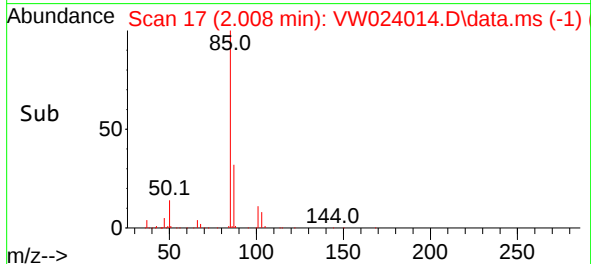
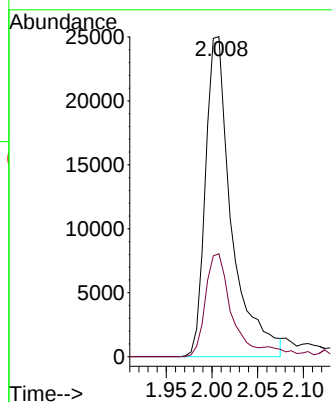
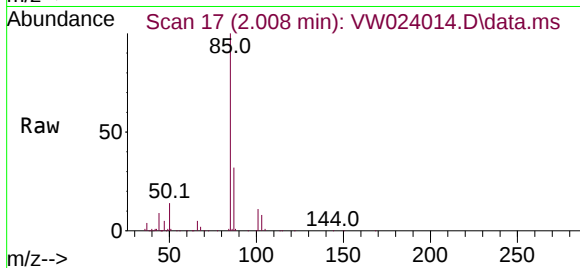




#2  
Dichlorodifluoromethane  
Concen: 31.930 ug/L  
RT: 2.008 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

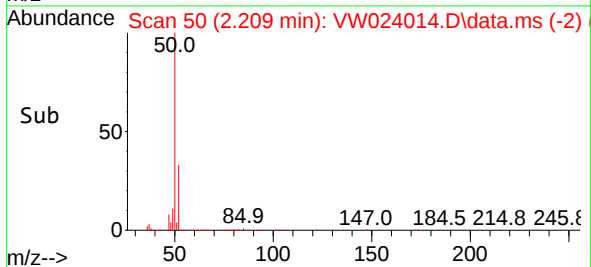
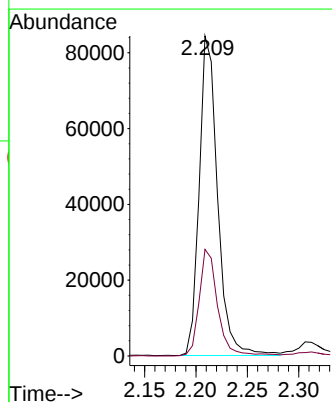
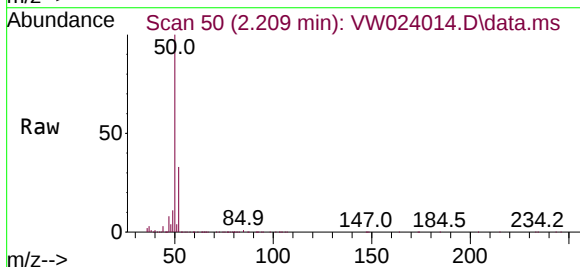
Instrument :  
MSVOA\_W  
ClientSampleId :

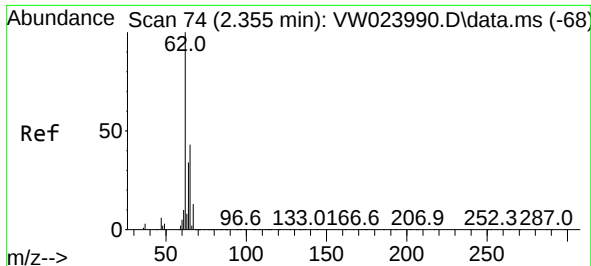
Tgt Ion: 85 Resp: 49810  
Ion Ratio Lower Upper  
85 100  
87 30.9 24.7 37.1



#3  
Chloromethane  
Concen: 27.518 ug/L  
RT: 2.209 min Scan# 50  
Delta R.T. -0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 50 Resp: 105126  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.7 44.1

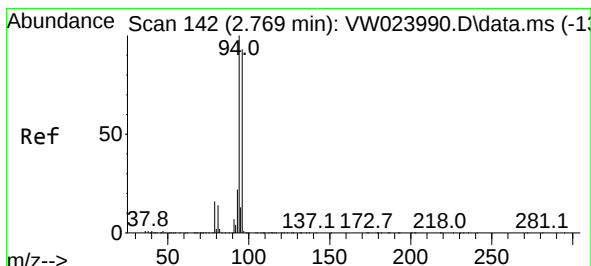
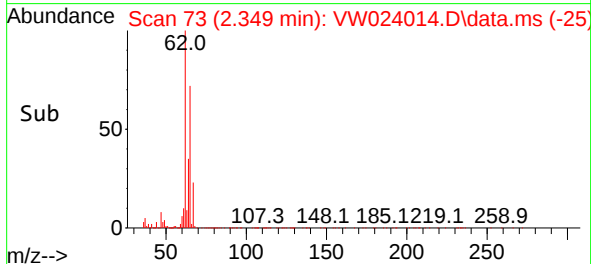
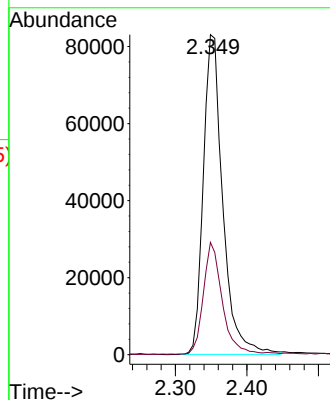
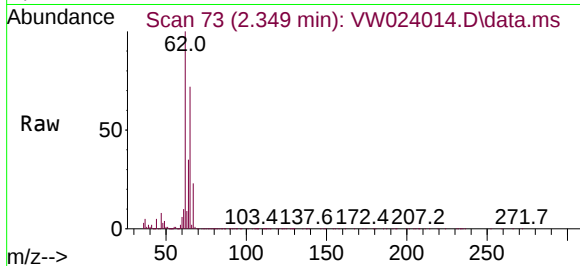




#5  
 Vinyl chloride  
 Concen: 23.900 ug/L  
 RT: 2.349 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW024014.D  
 Acq: 22 Jul 2022 18:52

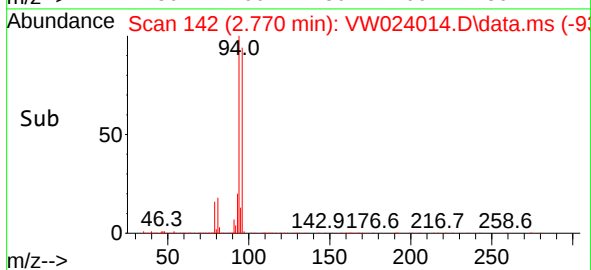
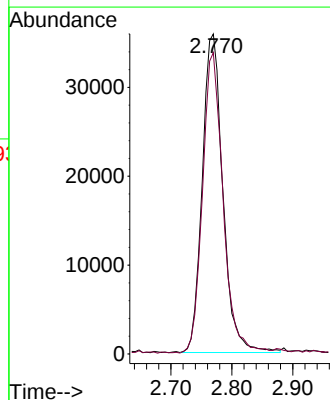
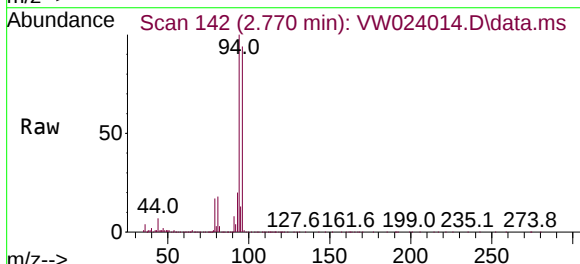
Instrument :  
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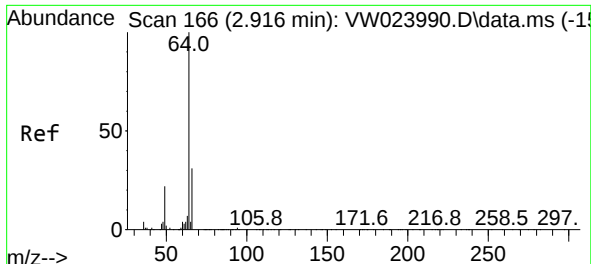
Tgt Ion: 62 Resp: 156785  
 Ion Ratio Lower Upper  
 62 100  
 64 35.1 24.0 44.6



#6  
 Bromomethane  
 Concen: 19.795 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. 0.000 min  
 Lab File: VW024014.D  
 Acq: 22 Jul 2022 18:52

Tgt Ion: 94 Resp: 83995  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 68.2 126.6

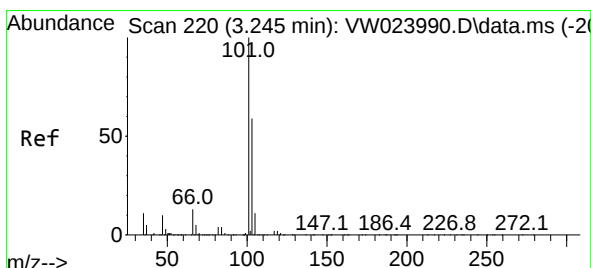
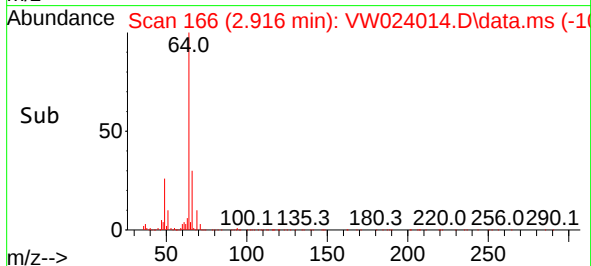
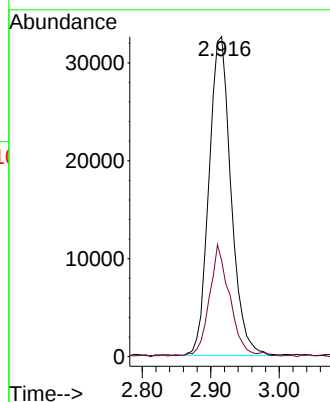
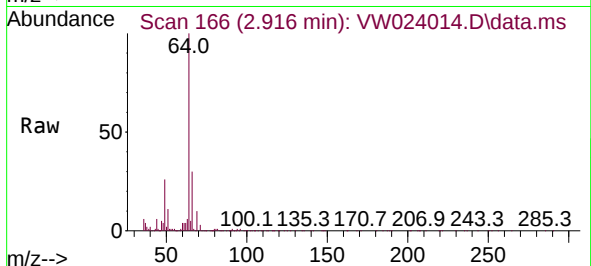




#8  
Chloroethane  
Concen: 23.732 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

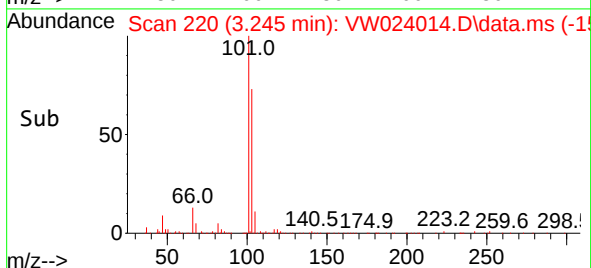
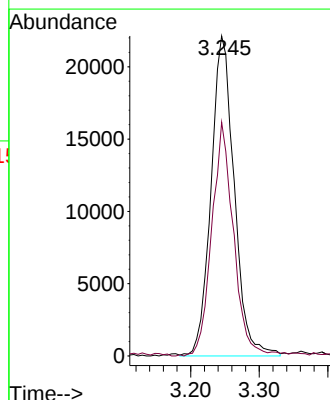
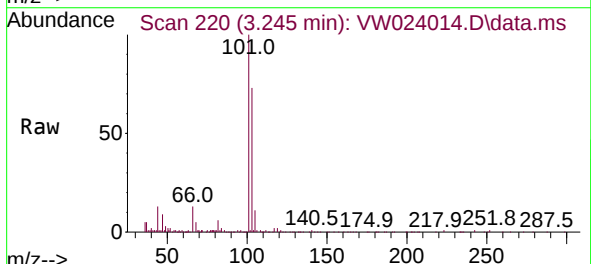
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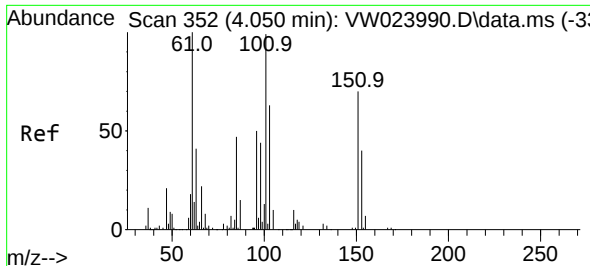
Tgt Ion: 64 Resp: 72835  
Ion Ratio Lower Upper  
64 100  
66 30.0 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 17.443 ug/L  
RT: 3.245 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 101 Resp: 52014  
Ion Ratio Lower Upper  
101 100  
103 67.8 52.1 78.1

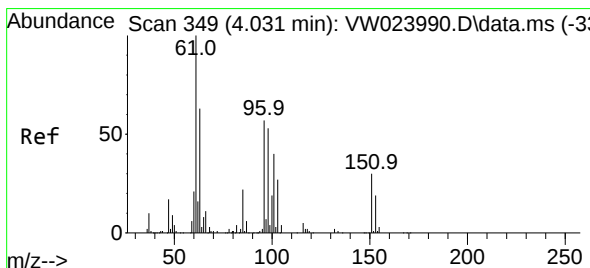
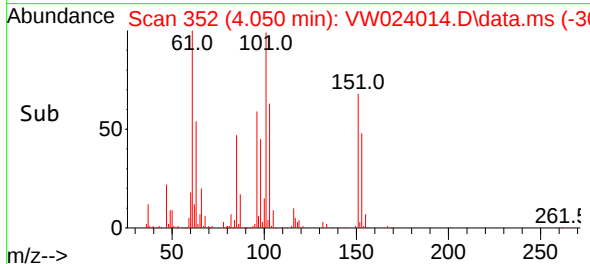
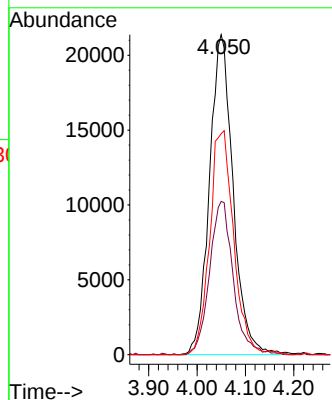
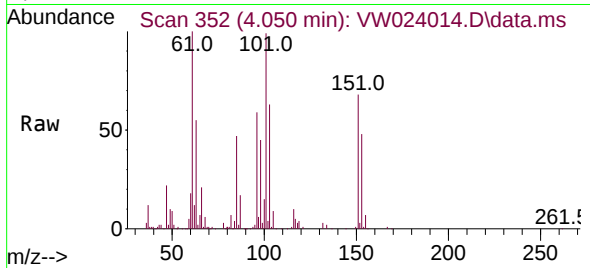




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.755 ug/L  
 RT: 4.050 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VW024014.D  
 Acq: 22 Jul 2022 18:52

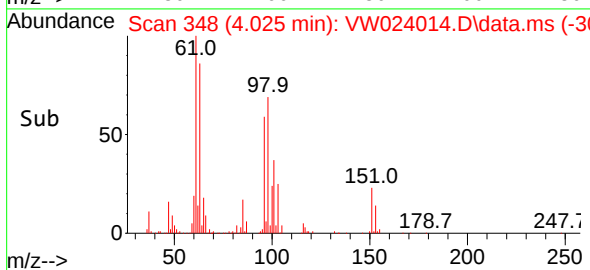
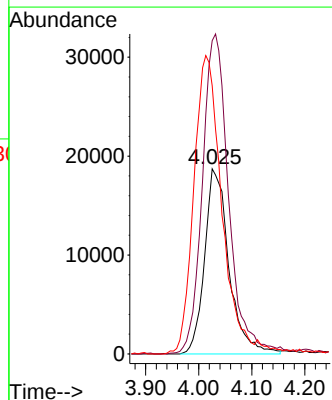
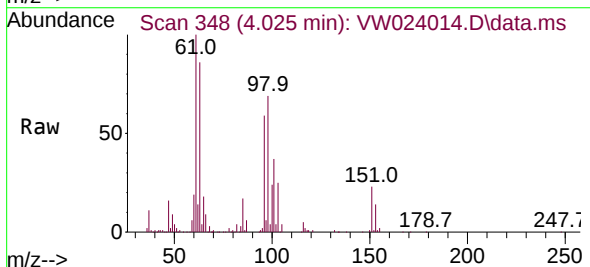
Instrument :  
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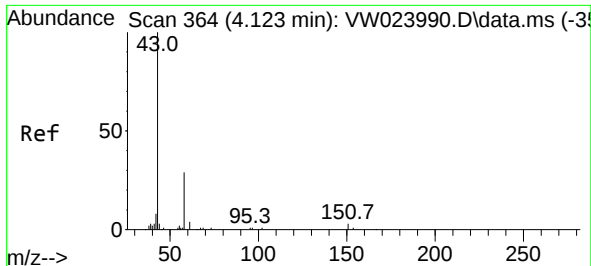
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 Ion Ratio Lower Upper  
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 85 47.7 37.6 56.4  
 151 0.0 57.6 86.4#



#12  
 1,1-Dichloroethene  
 Concen: 24.547 ug/L  
 RT: 4.025 min Scan# 348  
 Delta R.T. -0.006 min  
 Lab File: VW024014.D  
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Tgt Ion: 96 Resp: 59733  
 Ion Ratio Lower Upper  
 96 100  
 61 169.3 125.4 232.8  
 63 144.9 97.4 180.8

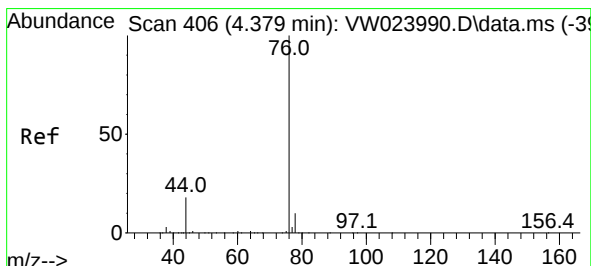
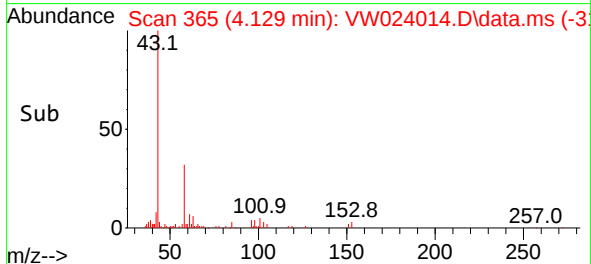
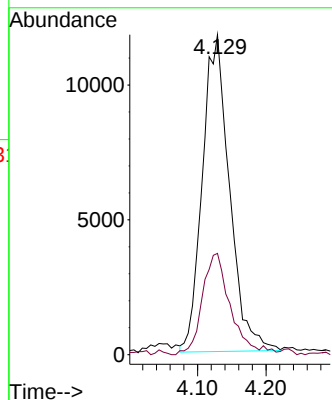
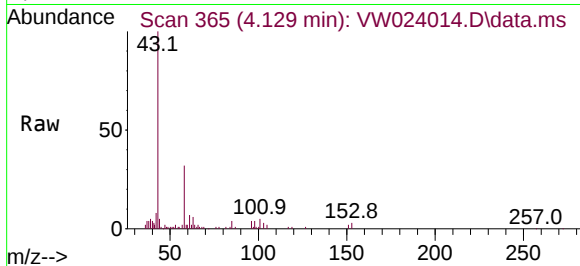




#13  
Acetone  
Concen: 50.373 ug/L  
RT: 4.129 min Scan# 364  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

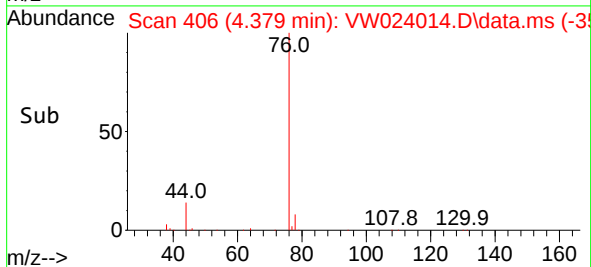
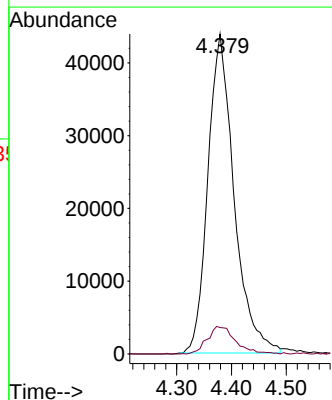
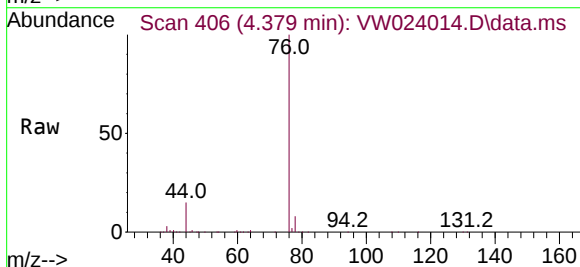
Instrument :  
MSVOA\_W  
ClientSampleId :

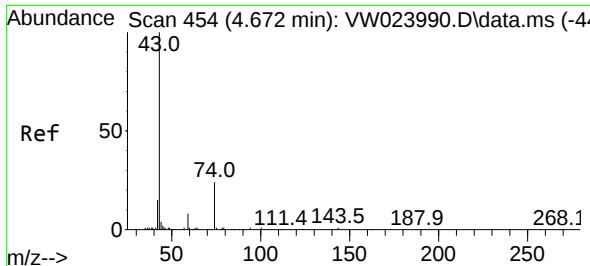
Tgt Ion: 43 Resp: 32389  
Ion Ratio Lower Upper  
43 100  
58 32.3 0.0 64.2



#14  
Carbon disulfide  
Concen: 20.313 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 76 Resp: 145405  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.2 10.8

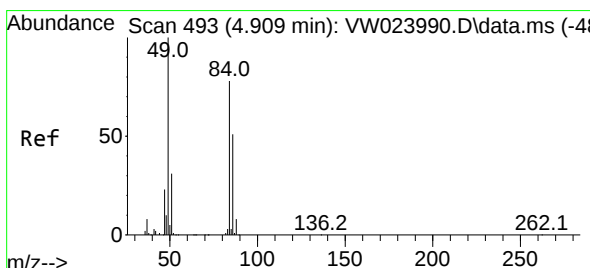
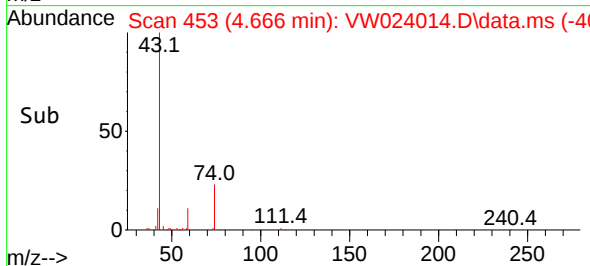
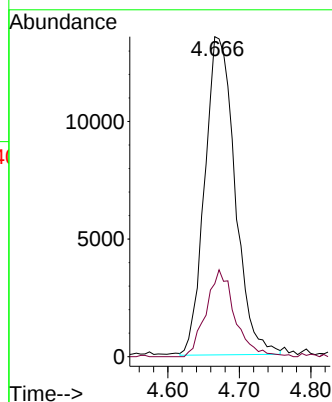
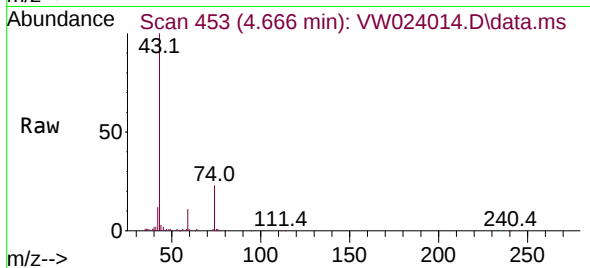




#15  
Methyl Acetate  
Concen: 27.698 ug/L  
RT: 4.666 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

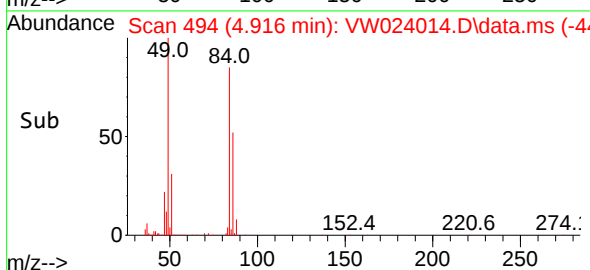
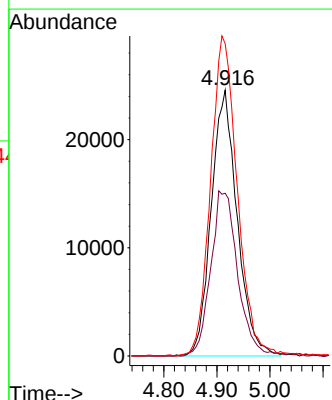
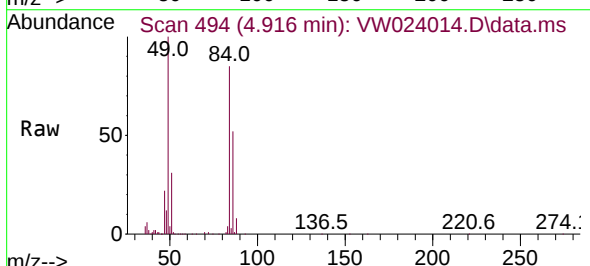
Instrument :  
MSVOA\_W  
ClientSampleId :

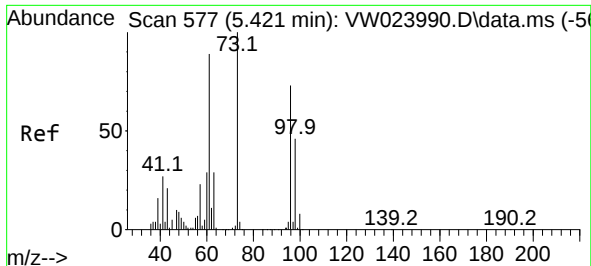
Tgt Ion: 43 Resp: 39859  
Ion Ratio Lower Upper  
43 100  
74 25.9 20.0 30.0



#16  
Methylene chloride  
Concen: 23.272 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 84 Resp: 83537  
Ion Ratio Lower Upper  
84 100  
86 61.2 42.8 79.6  
49 117.5 85.4 158.6





#17

trans-1,2-Dichloroethene

Concen: 24.146 ug/L

RT: 5.422 min Scan# 5

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

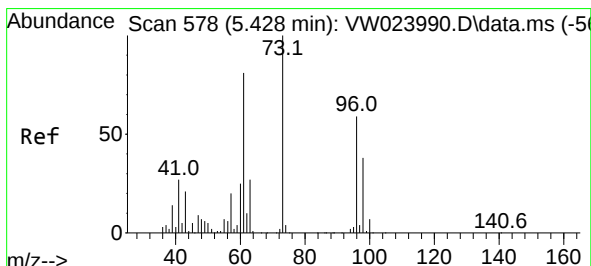
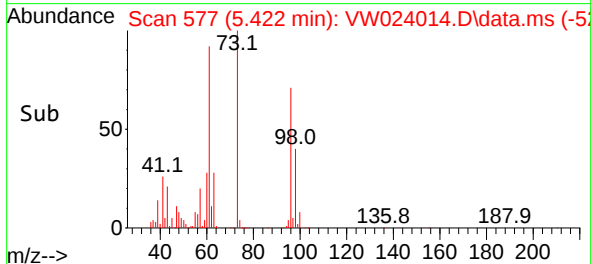
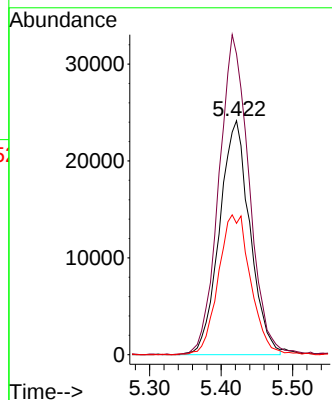
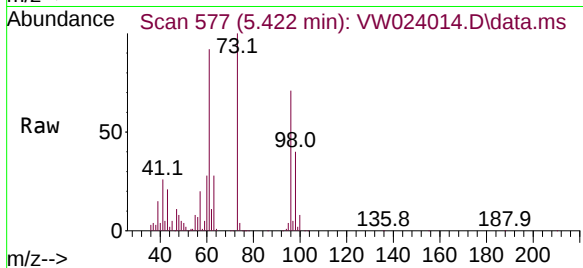
Tgt Ion: 96 Resp: 71291

Ion Ratio Lower Upper

96 100

61 128.5 90.8 168.6

98 56.2 42.8 79.6



#18

Methyl tert-butyl Ether

Concen: 26.984 ug/L

RT: 5.428 min Scan# 578

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

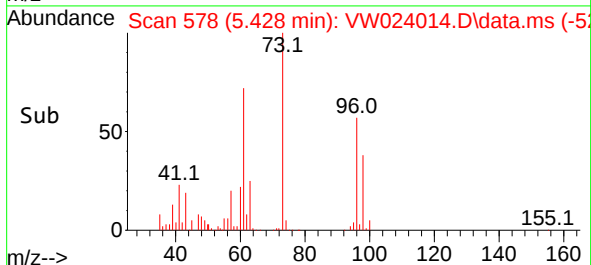
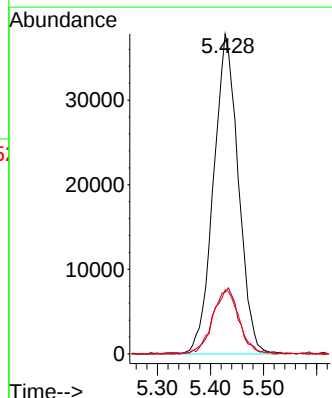
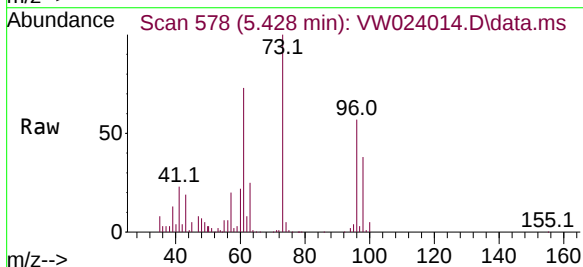
Tgt Ion: 73 Resp: 123255

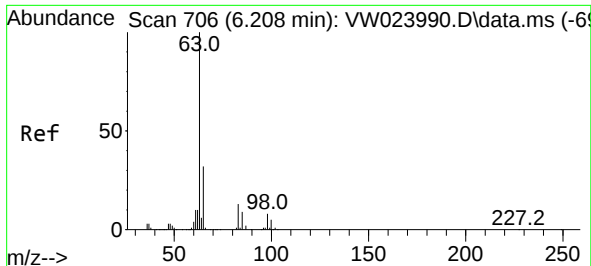
Ion Ratio Lower Upper

73 100

43 21.4 17.6 26.4

57 20.9 16.8 25.2





#19

1,1-Dichloroethane

Concen: 26.139 ug/L

RT: 6.214 min Scan# 706

Delta R.T. 0.006 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

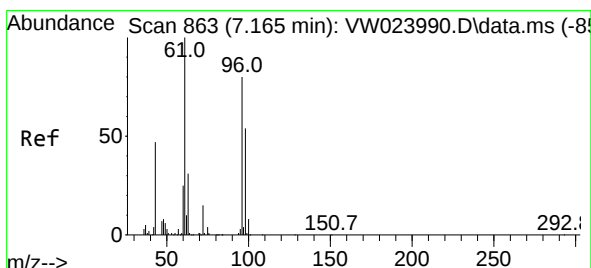
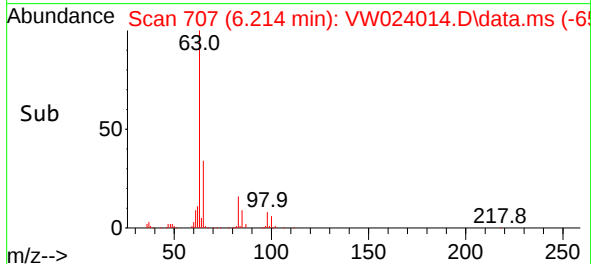
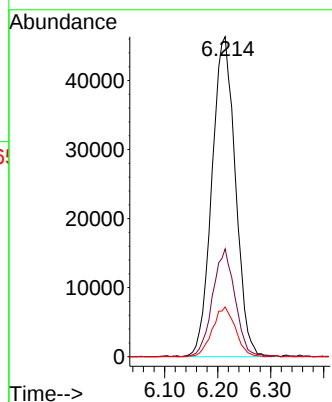
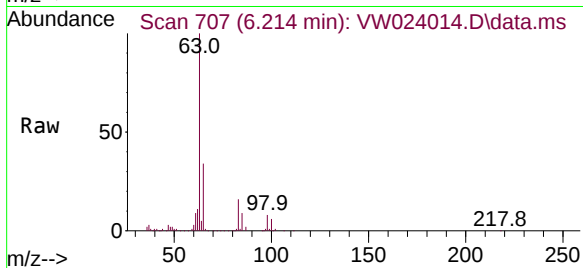
Tgt Ion: 63 Resp: 142359

Ion Ratio Lower Upper

63 100

65 33.7 22.7 42.1

83 15.5 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 26.375 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

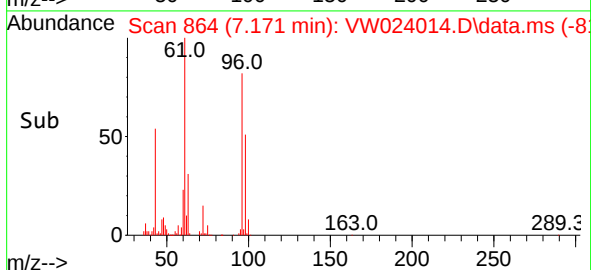
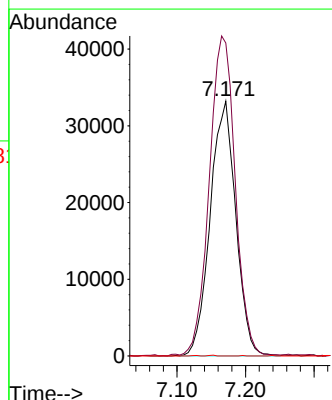
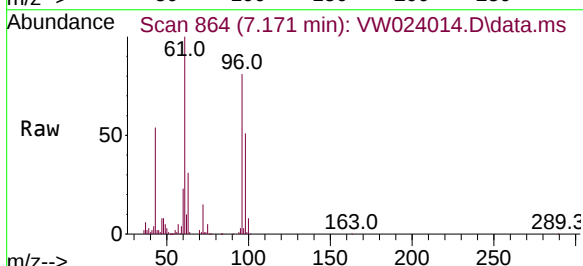
Tgt Ion: 96 Resp: 86270

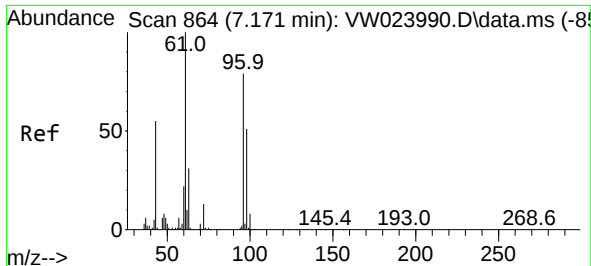
Ion Ratio Lower Upper

96 100

61 122.8 90.6 168.2

68 0.0 0.2 0.4#

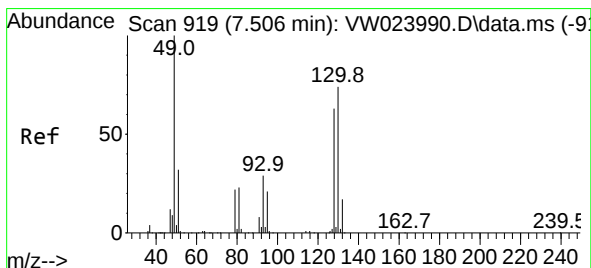
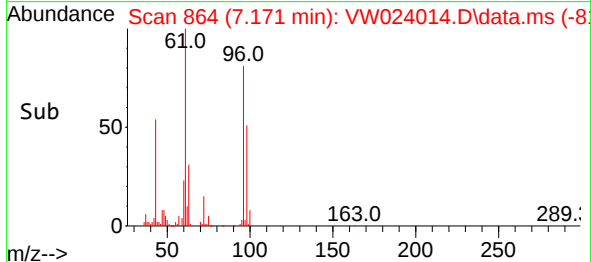
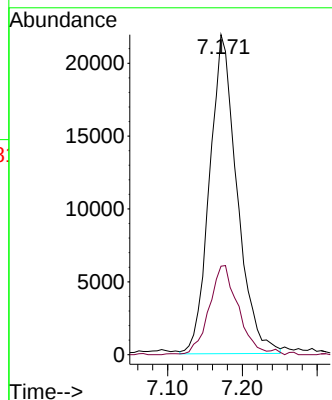
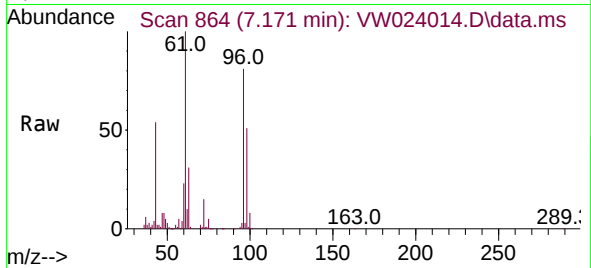




#22  
2-Butanone  
Concen: 53.010 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

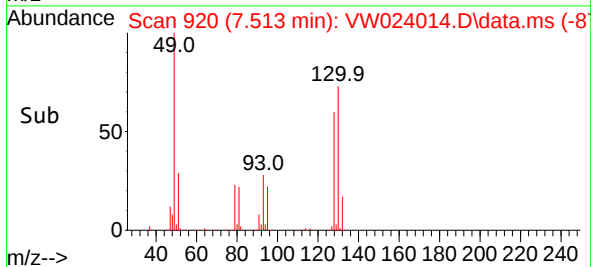
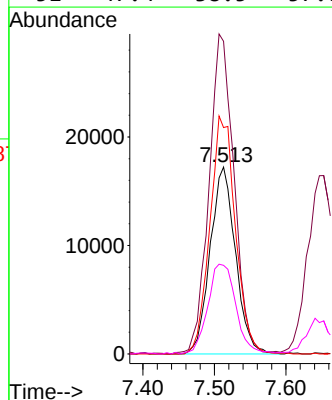
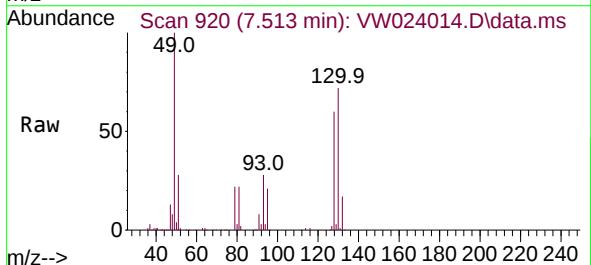
Instrument :  
MSVOA\_W  
ClientSampleId :

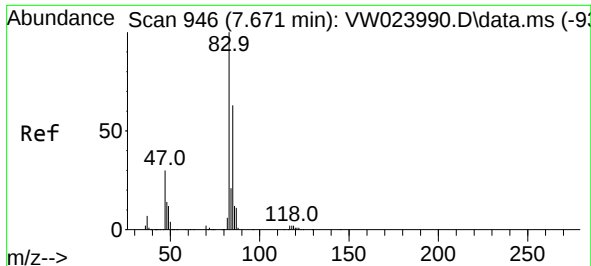
Tgt Ion: 43 Resp: 56014  
Ion Ratio Lower Upper  
43 100  
72 29.1 14.7 44.1



#23  
Bromochloromethane  
Concen: 26.997 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 128 Resp: 42420  
Ion Ratio Lower Upper  
128 100  
49 167.3 106.0 196.8  
130 121.1 83.2 154.4  
51 47.4 38.5 57.7

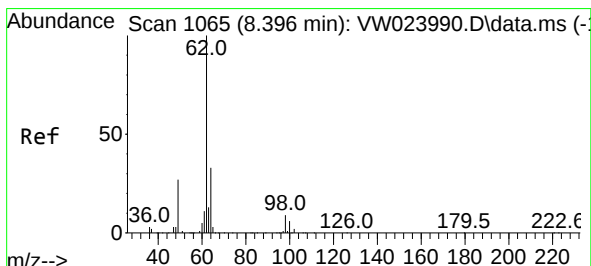
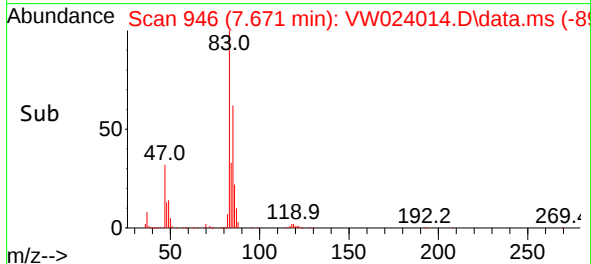
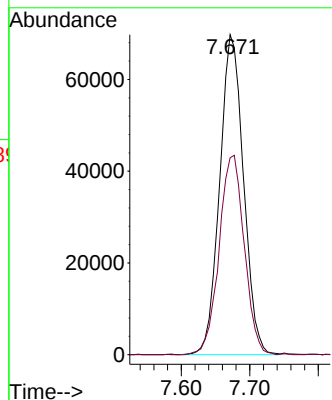
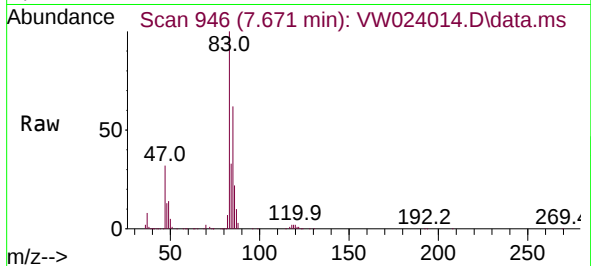




#25  
Chloroform  
Concen: 26.827 ug/L  
RT: 7.671 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

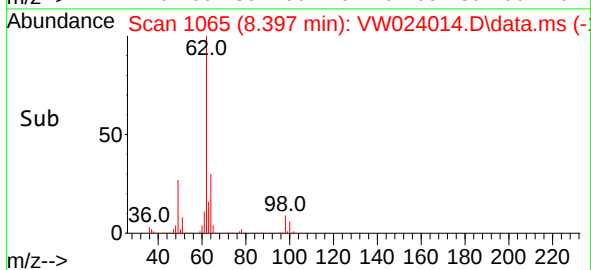
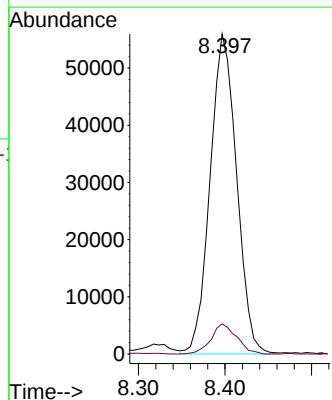
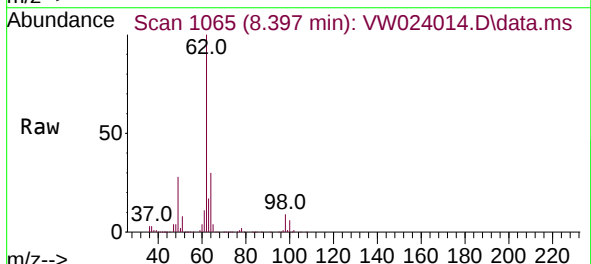
Instrument :  
MSVOA\_W  
ClientSampleId :

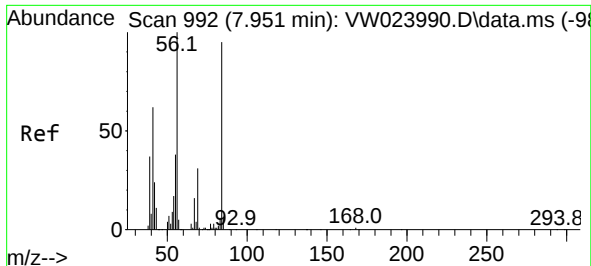
Tgt Ion: 83 Resp: 168314  
Ion Ratio Lower Upper  
83 100  
85 61.5 41.9 77.9



#27  
1,2-Dichloroethane  
Concen: 25.801 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 62 Resp: 119139  
Ion Ratio Lower Upper  
62 100  
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 23.407 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

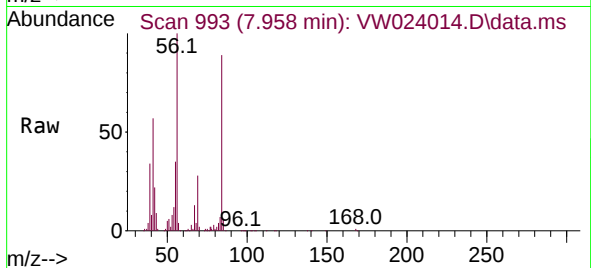
Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :



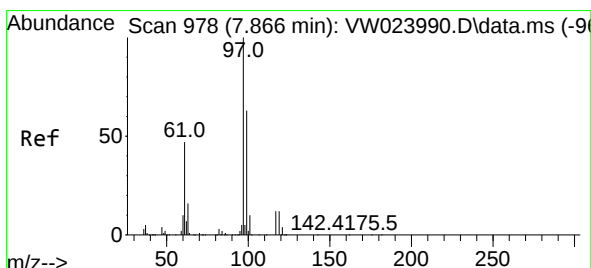
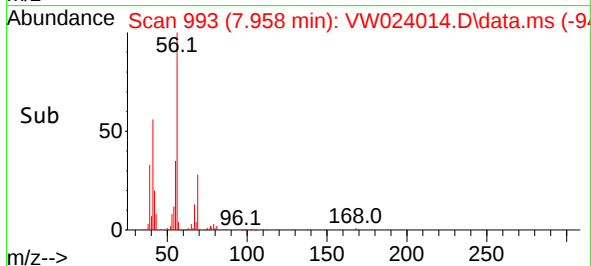
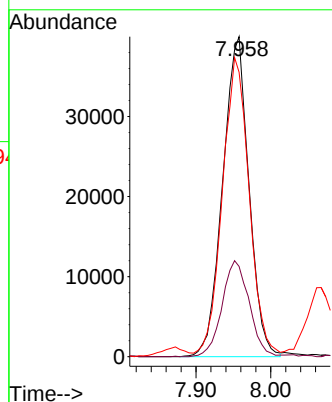
Tgt Ion: 56 Resp: 97638

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.0

84 95.5 75.0 112.4



#30

1,1,1-Trichloroethane

Concen: 26.158 ug/L

RT: 7.866 min Scan# 978

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

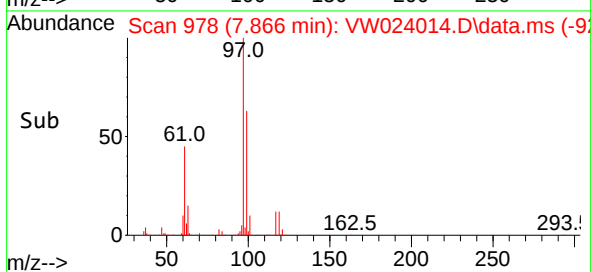
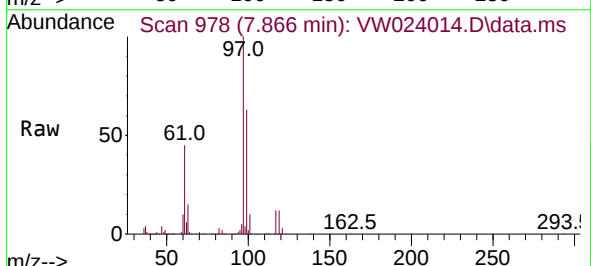
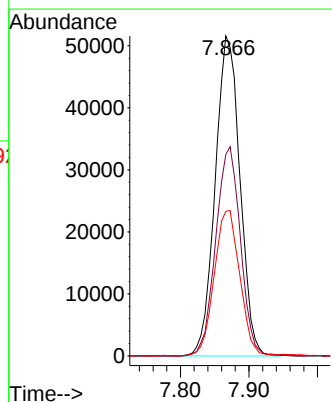
Tgt Ion: 97 Resp: 129179

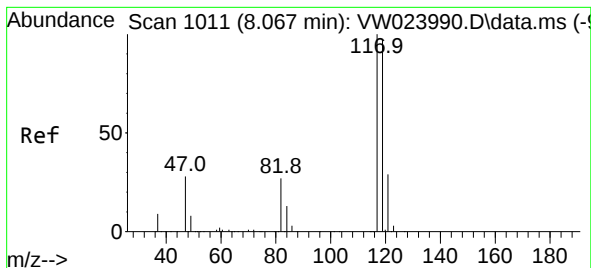
Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.6

61 47.0 37.5 56.3





#31

Carbon tetrachloride

Concen: 26.407 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

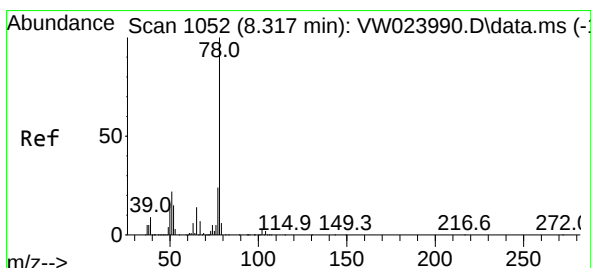
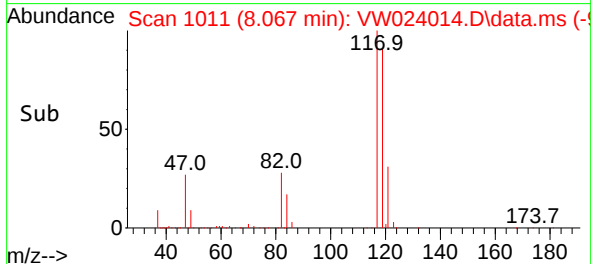
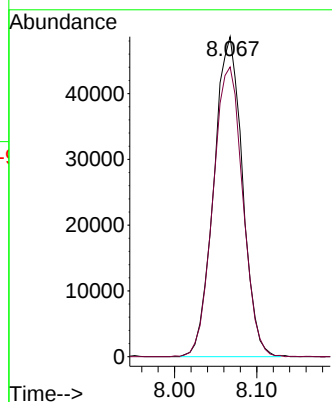
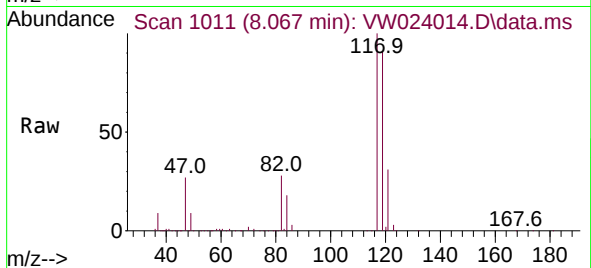
ClientSampleId :

Tgt Ion:117 Resp: 117556

Ion Ratio Lower Upper

117 100

119 94.2 75.7 113.5



#33

Benzene

Concen: 26.850 ug/L

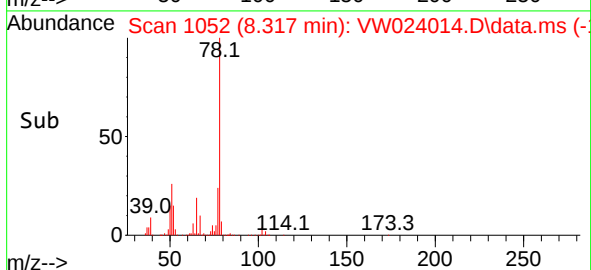
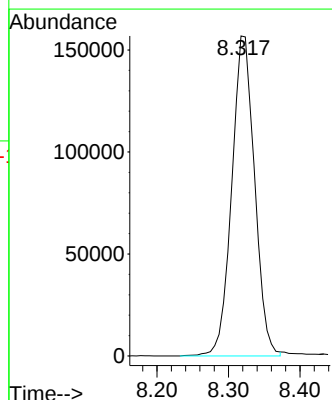
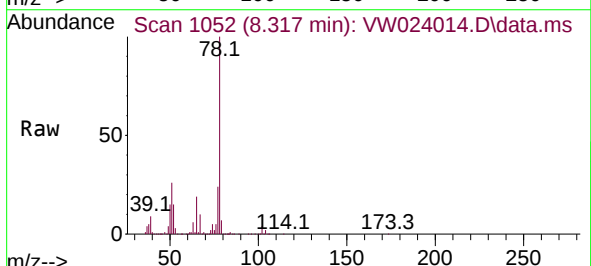
RT: 8.317 min Scan# 1052

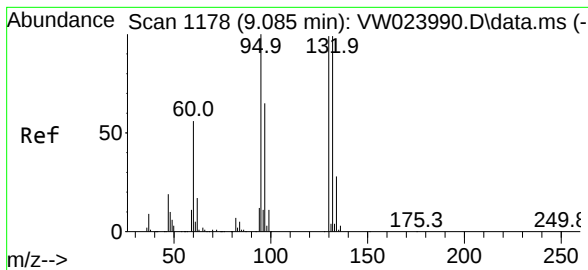
Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Tgt Ion: 78 Resp: 348001





#34

Trichloroethene

Concen: 25.148 ug/L

RT: 9.092 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 86072

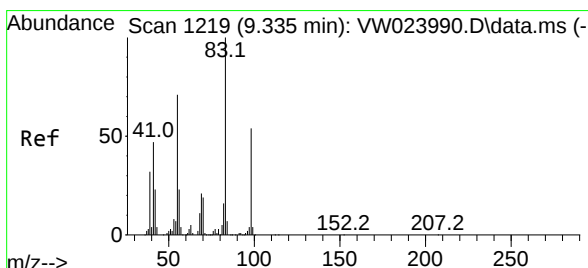
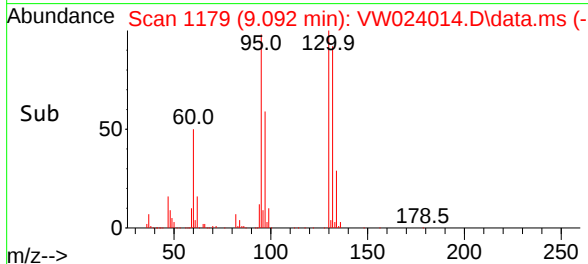
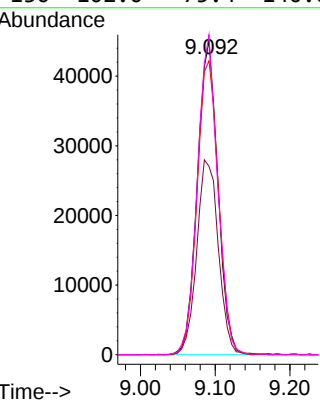
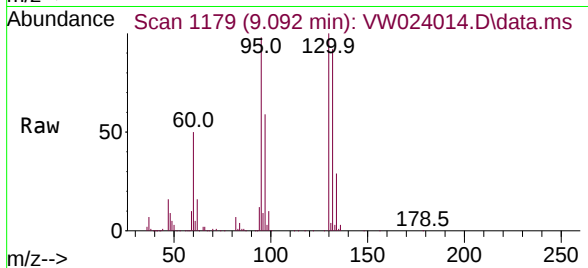
Ion Ratio Lower Upper

95 100

97 60.0 45.6 84.8

132 93.6 69.9 129.7

130 102.0 75.4 140.0



#35

Methylcyclohexane

Concen: 23.783 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

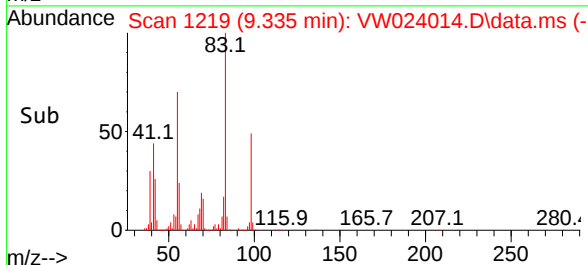
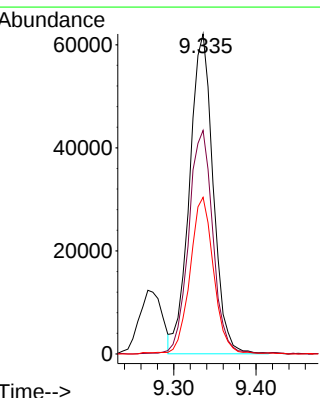
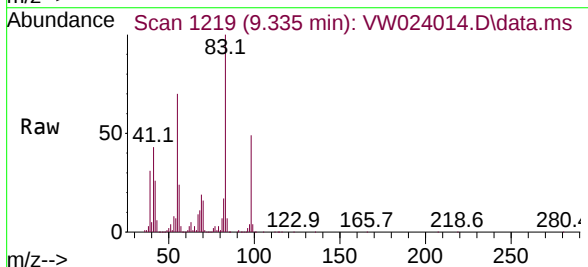
Tgt Ion: 83 Resp: 123948

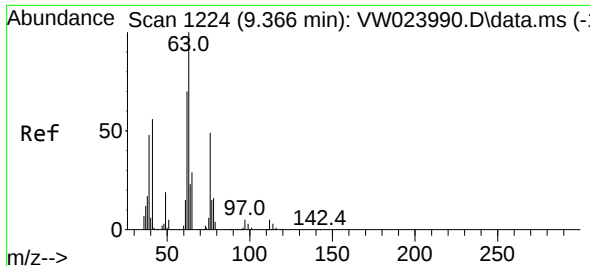
Ion Ratio Lower Upper

83 100

55 71.6 60.8 91.2

98 48.3 39.5 59.3





#37

1,2-Dichloropropane

Concen: 27.594 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

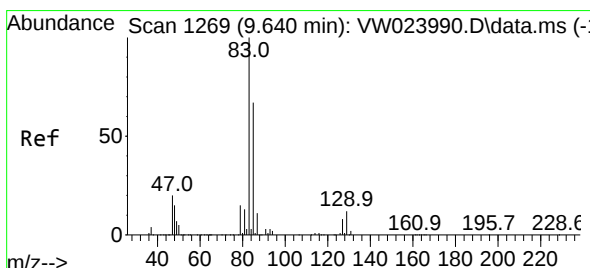
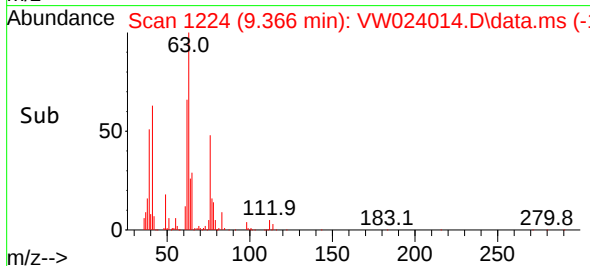
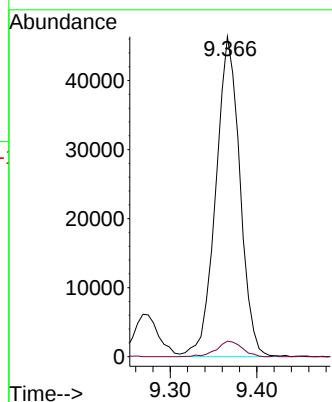
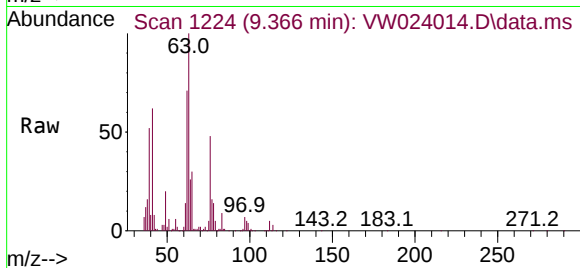
ClientSampleId :

Tgt Ion: 63 Resp: 89664

Ion Ratio Lower Upper

63 100

112 5.1 4.2 6.2



#38

Bromodichloromethane

Concen: 28.875 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

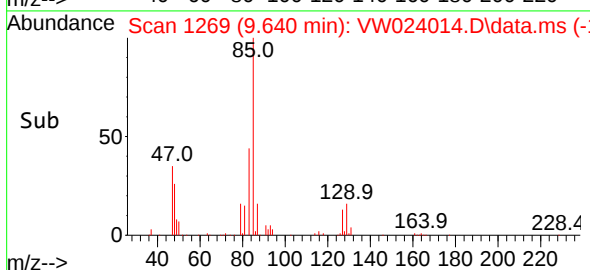
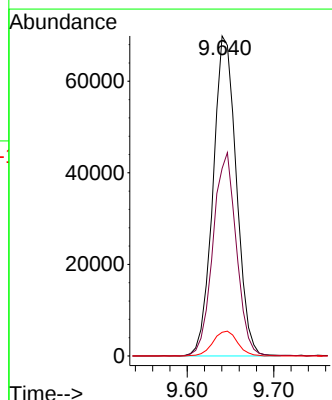
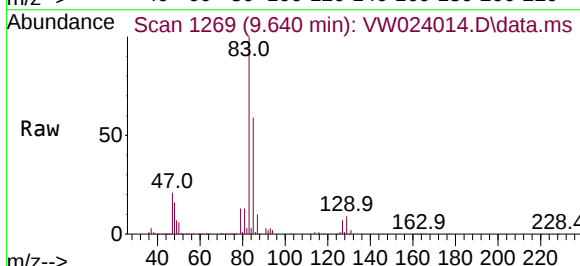
Tgt Ion: 83 Resp: 130950

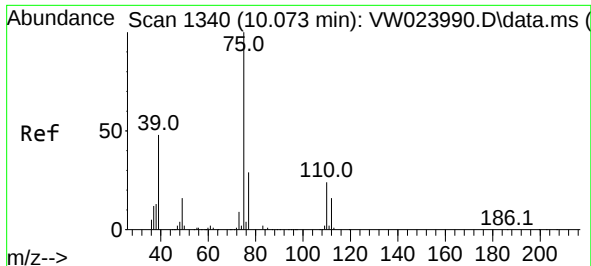
Ion Ratio Lower Upper

83 100

85 58.6 45.5 84.5

127 7.4 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 26.149 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

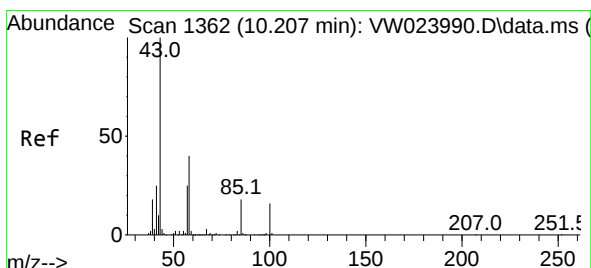
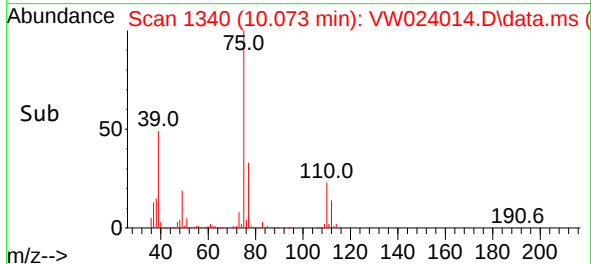
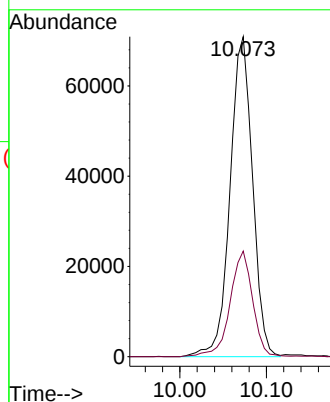
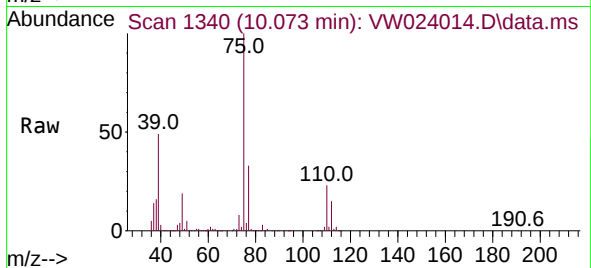
ClientSampleId :

Tgt Ion: 75 Resp: 128065

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 61.834 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

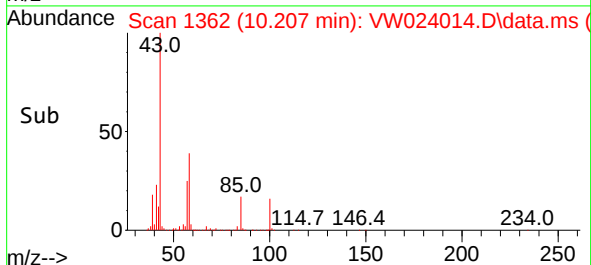
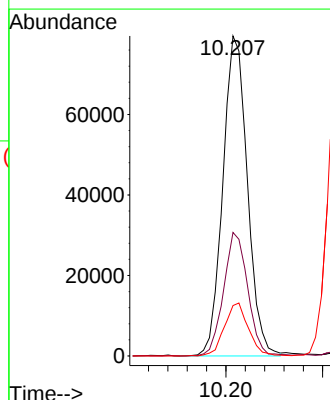
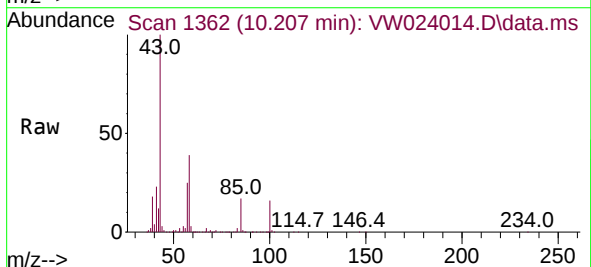
Tgt Ion: 43 Resp: 139814

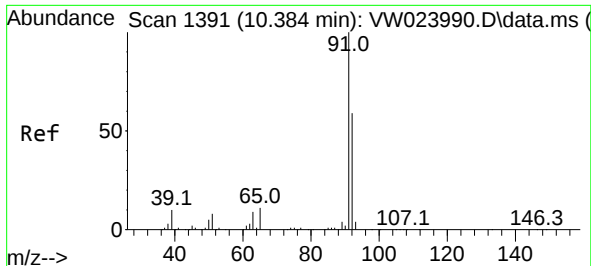
Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.8

100 16.2 13.0 19.4

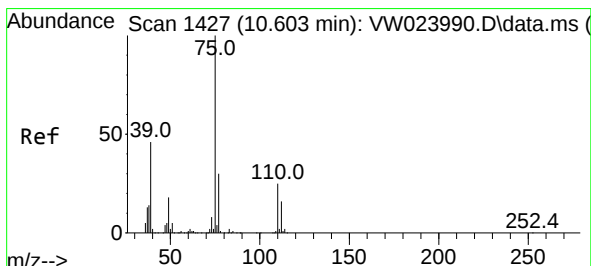
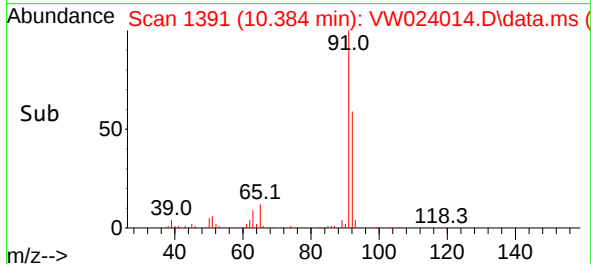
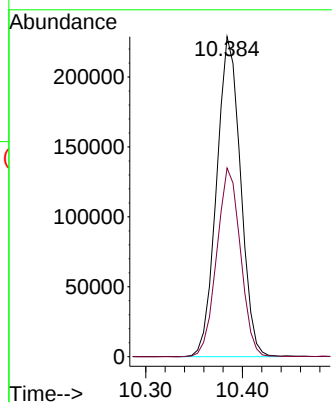
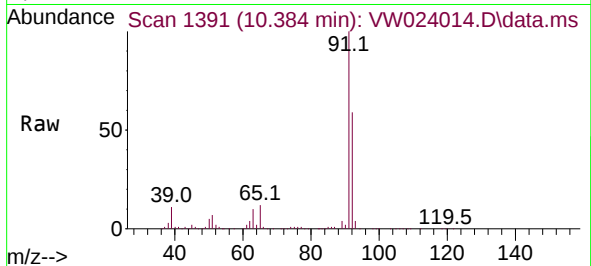




#42  
Toluene  
Concen: 26.607 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

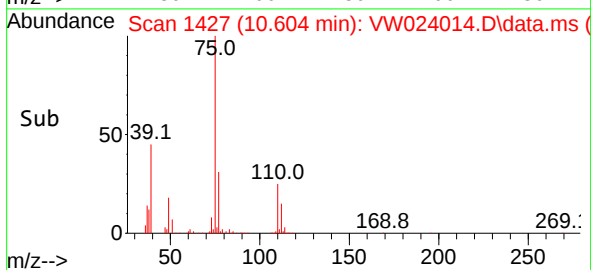
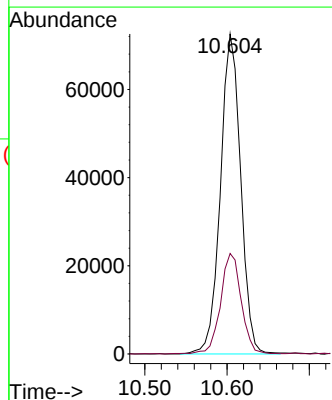
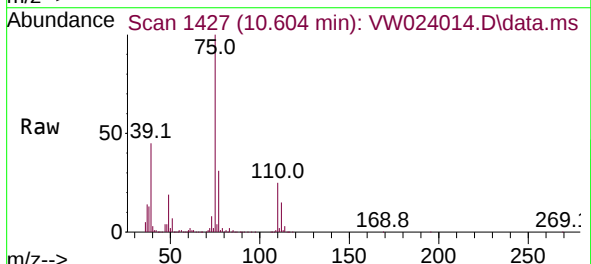
Instrument :  
MSVOA\_W  
ClientSampleId :

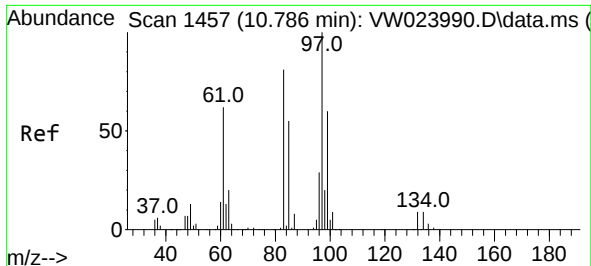
Tgt Ion: 91 Resp: 393288  
Ion Ratio Lower Upper  
91 100  
92 59.0 39.9 74.1



#44  
trans-1,3-Dichloropropene  
Concen: 26.713 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 75 Resp: 124351  
Ion Ratio Lower Upper  
75 100  
77 31.4 22.0 41.0

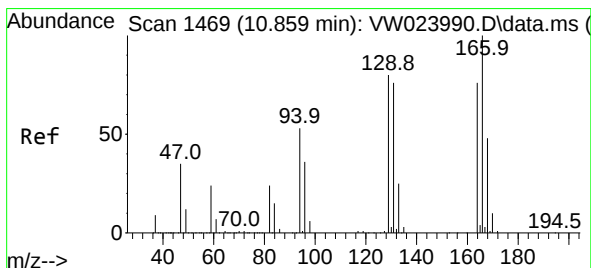
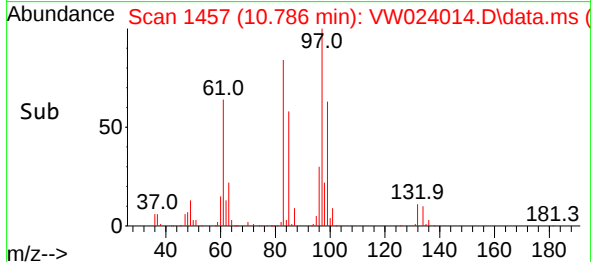
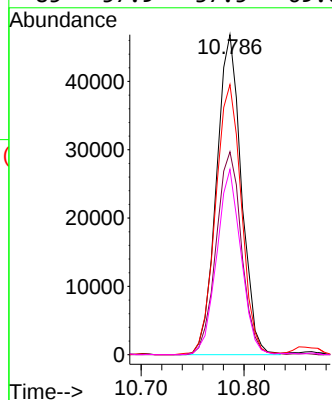
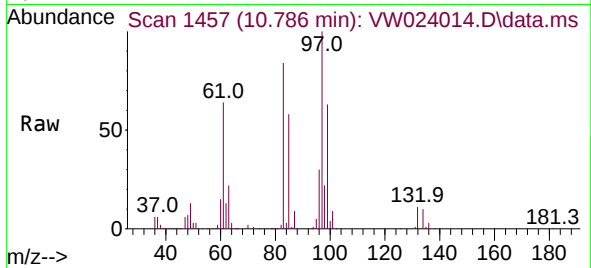




#45  
1,1,2-Trichloroethane  
Concen: 27.734 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

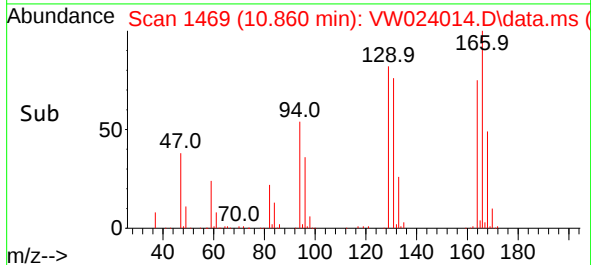
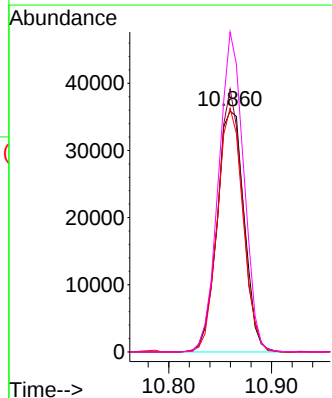
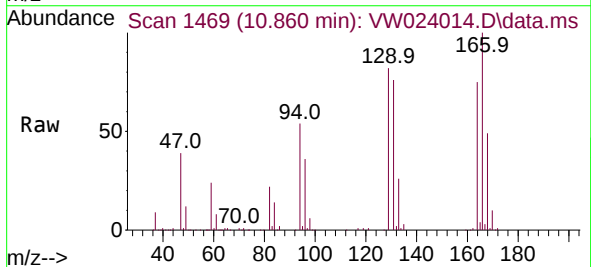
Instrument :  
MSVOA\_W  
ClientSampleId :

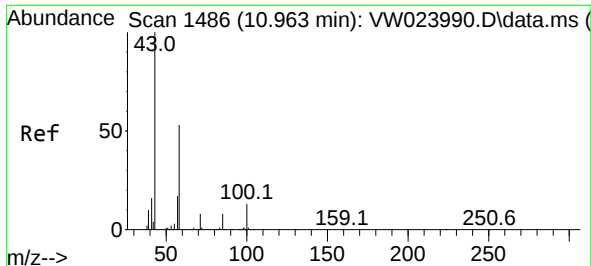
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 78799 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.4  | 44.2  | 82.2  |
| 83       | 84.4  | 59.8  | 111.0 |
| 85       | 57.9  | 37.5  | 69.6  |



#46  
Tetrachloroethene  
Concen: 24.734 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 65458 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 109.2 | 72.4  | 134.5 |
| 131      | 101.2 | 67.8  | 125.8 |
| 166      | 132.9 | 88.9  | 165.1 |

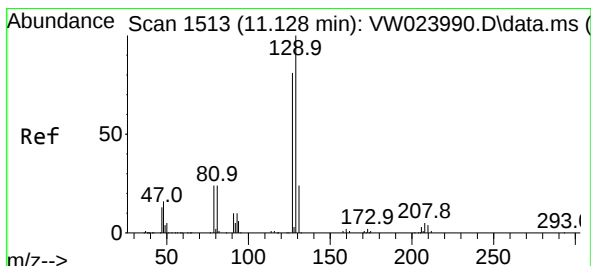
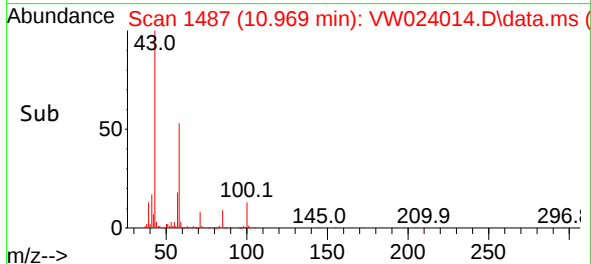
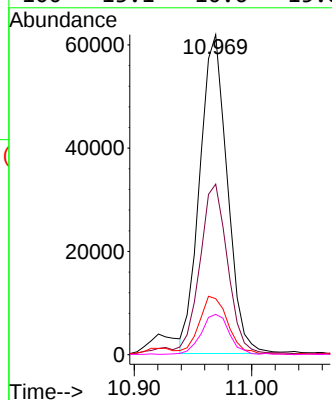
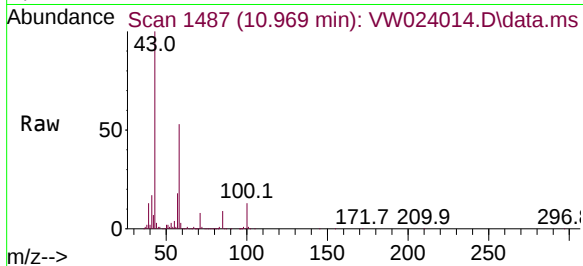




#48  
2-Hexanone  
Concen: 61.010 ug/L  
RT: 10.969 min Scan# 1486  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

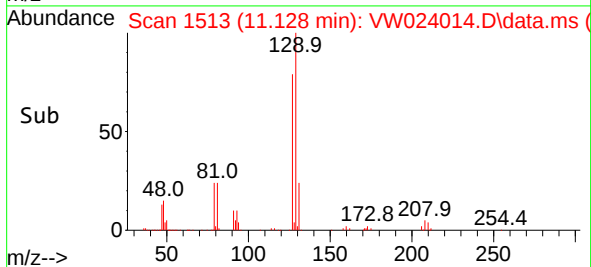
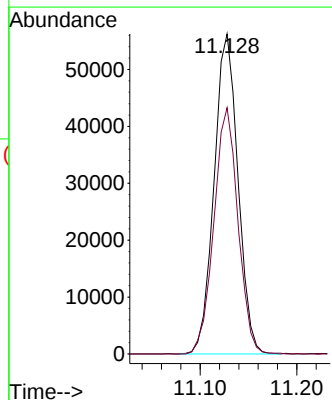
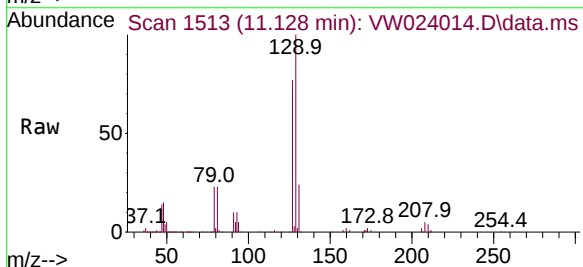
Instrument :  
MSVOA\_W  
ClientSampleId :

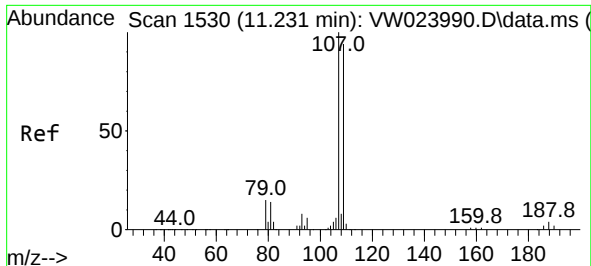
Tgt Ion: 43 Resp: 100438  
Ion Ratio Lower Upper  
43 100  
58 52.7 41.6 62.4  
57 19.7 14.6 21.8  
100 13.1 10.6 15.8



#49  
Dibromochloromethane  
Concen: 29.236 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 129 Resp: 96329  
Ion Ratio Lower Upper  
129 100  
127 77.0 53.7 99.7





#50

1,2-Dibromoethane

Concen: 28.582 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW024014.D

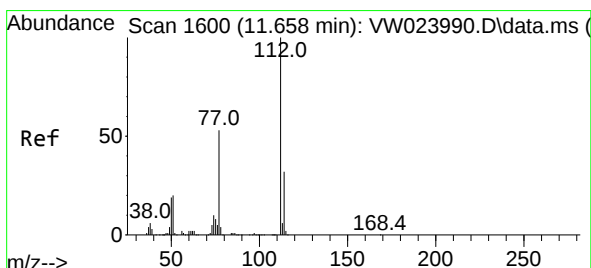
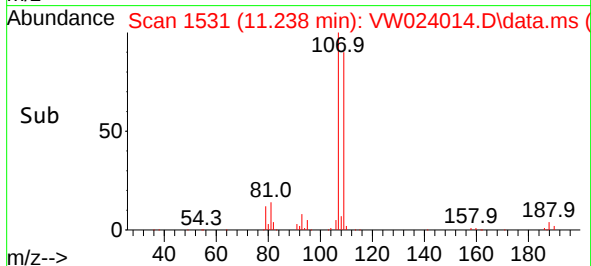
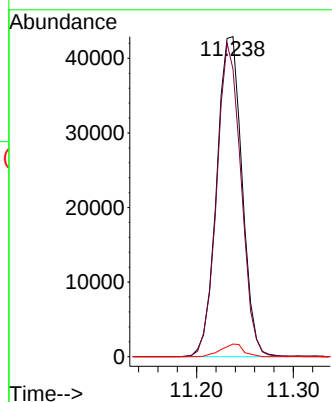
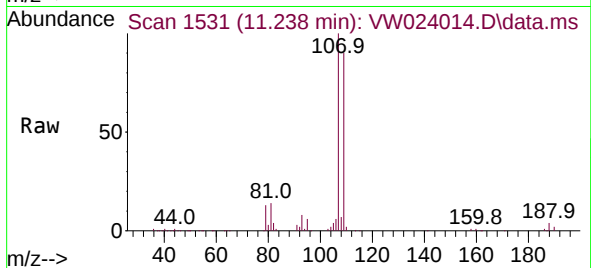
Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 78017      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 89.8  | 62.4 116.0 |
| 188         | 4.0   | 2.3 3.5#   |



#51

Chlorobenzene

Concen: 26.727 ug/L

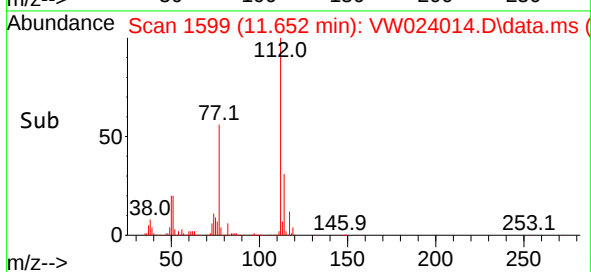
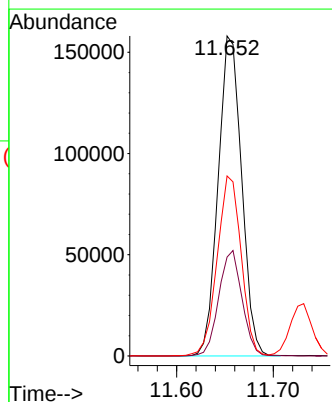
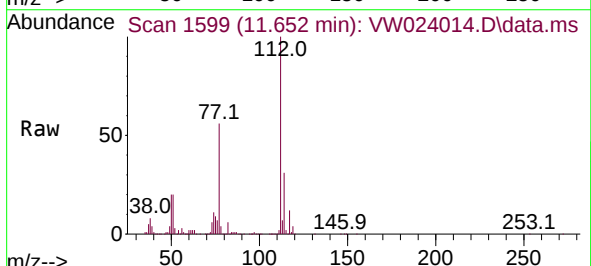
RT: 11.652 min Scan# 1599

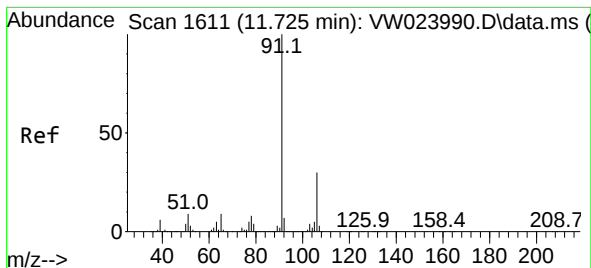
Delta R.T. -0.006 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 266437    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 30.9  | 21.1 39.3 |
| 77          | 56.3  | 46.6 69.8 |

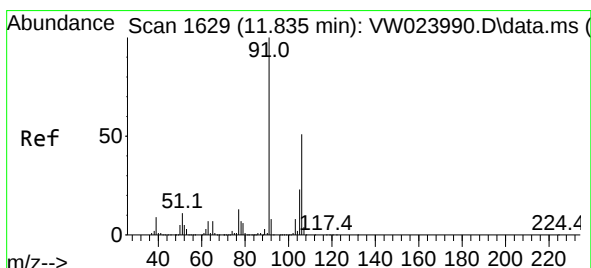
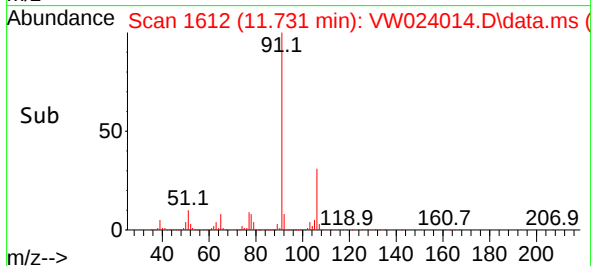
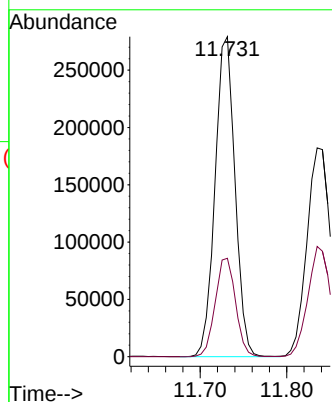
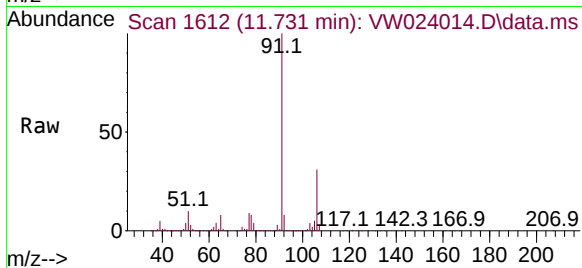




#52  
Ethylbenzene  
Concen: 26.612 ug/L  
RT: 11.731 min Scan# 1611  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

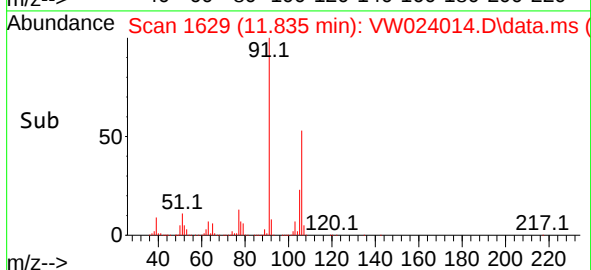
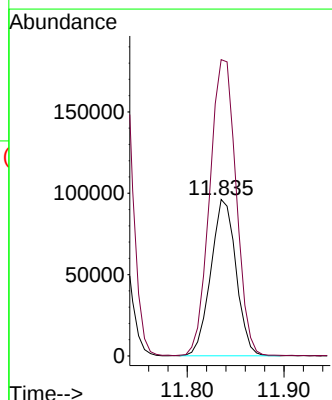
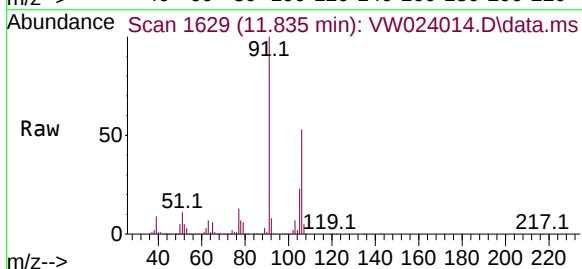
Instrument :  
MSVOA\_W  
ClientSampleId :

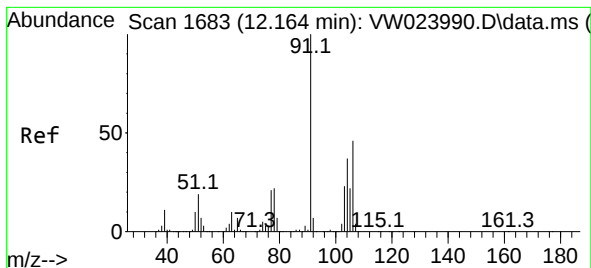
Tgt Ion: 91 Resp: 446993  
Ion Ratio Lower Upper  
91 100  
106 30.7 22.5 41.9



#53  
m,p-Xylene  
Concen: 26.530 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion:106 Resp: 173863  
Ion Ratio Lower Upper  
106 100  
91 189.4 142.8 265.2





#54

o-Xylene

Concen: 27.443 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

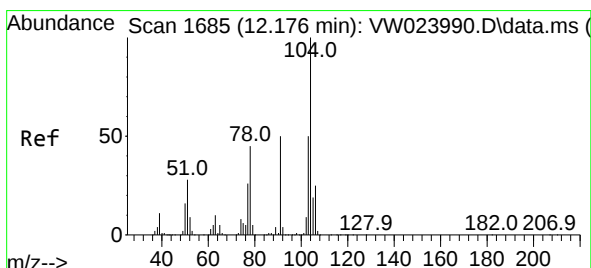
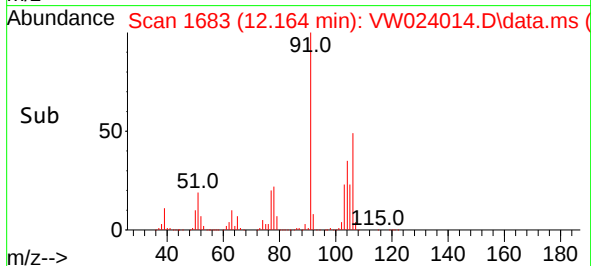
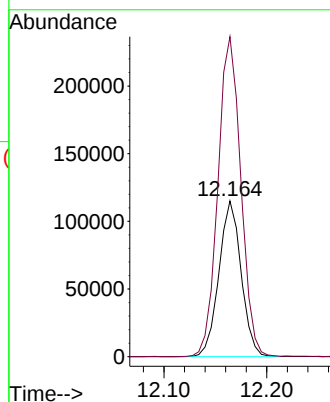
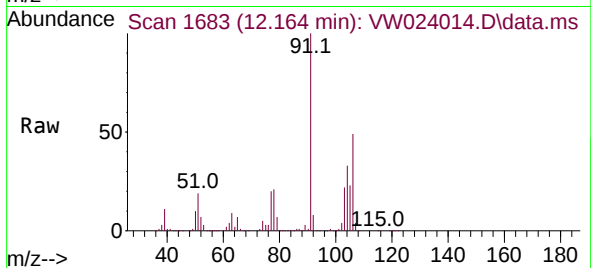
ClientSampleId :

Tgt Ion:106 Resp: 172719

Ion Ratio Lower Upper

106 100

91 205.6 149.6 277.8



#55

Styrene

Concen: 28.614 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW024014.D

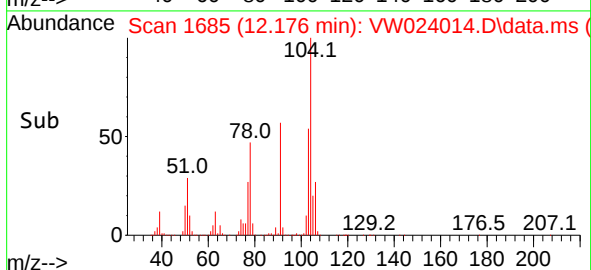
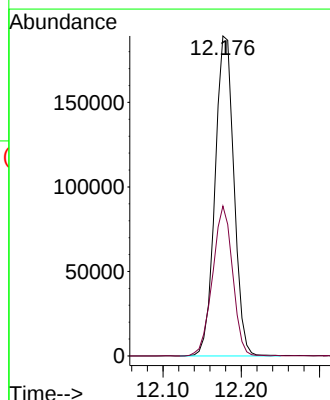
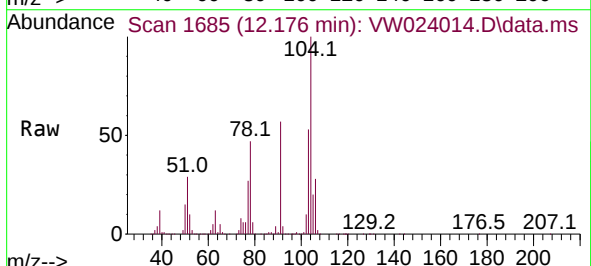
Acq: 22 Jul 2022 18:52

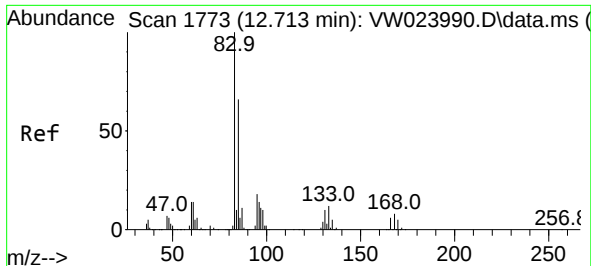
Tgt Ion:104 Resp: 318146

Ion Ratio Lower Upper

104 100

78 46.8 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 28.778 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

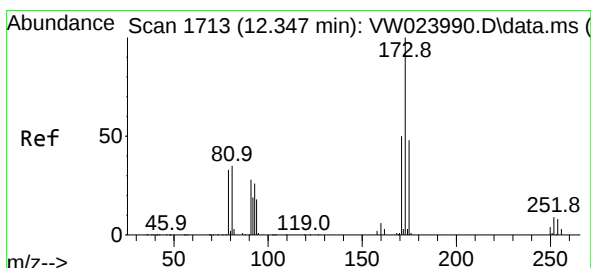
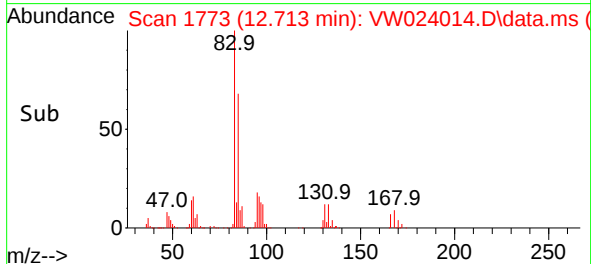
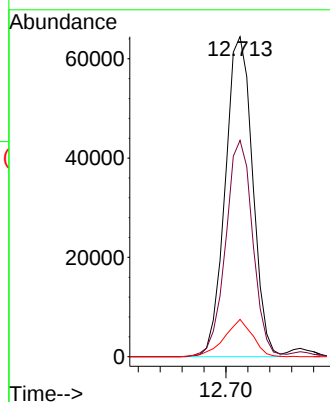
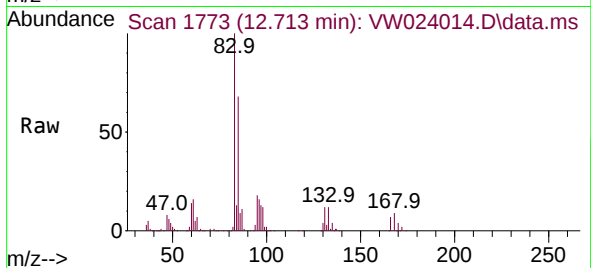
Tgt Ion: 83 Resp: 111526

Ion Ratio Lower Upper

83 100

85 67.6 46.5 86.3

131 11.6 7.4 11.0#



#59

Bromoform

Concen: 29.039 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

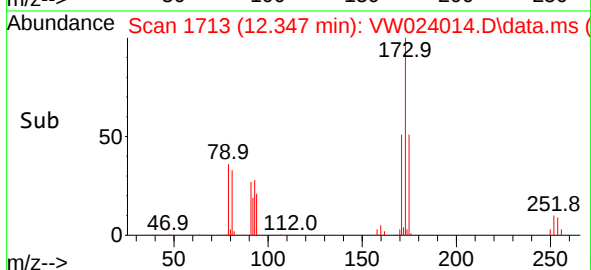
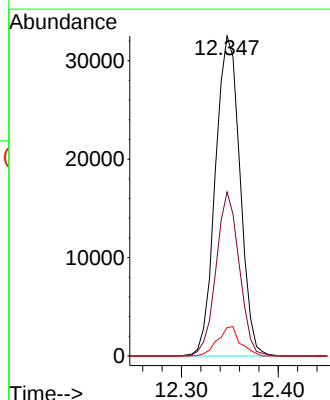
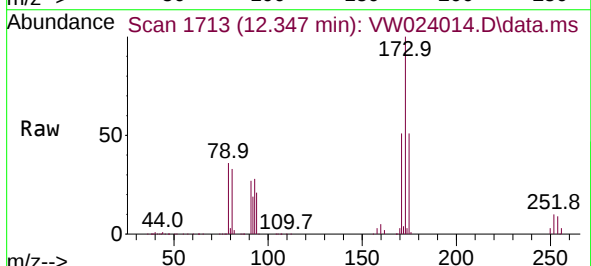
Tgt Ion:173 Resp: 57412

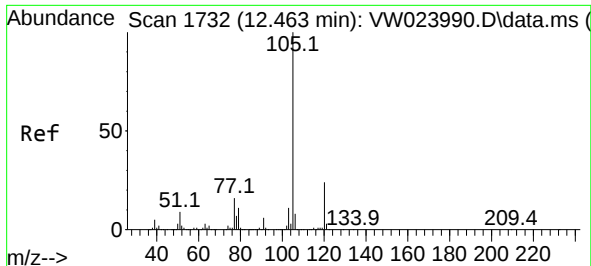
Ion Ratio Lower Upper

173 100

175 48.2 38.9 58.3

254 8.4 5.9 8.9

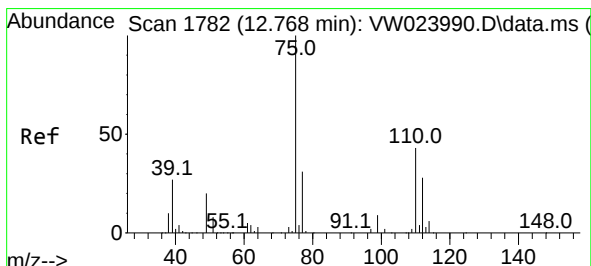
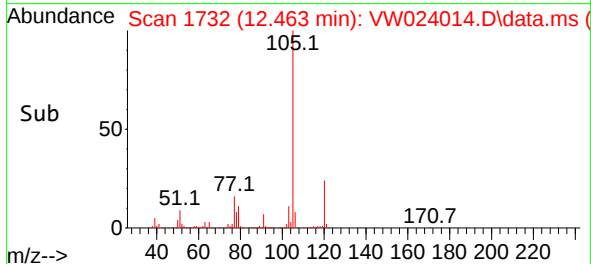
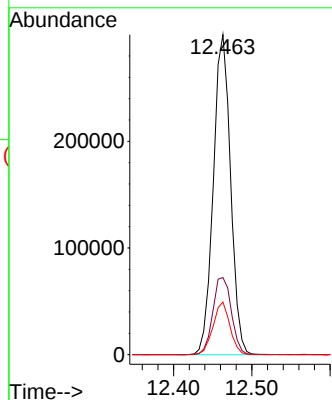
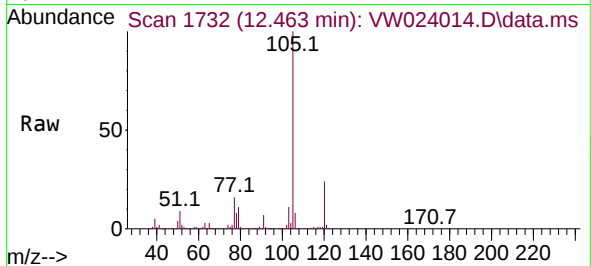




#60  
Isopropylbenzene  
Concen: 25.503 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

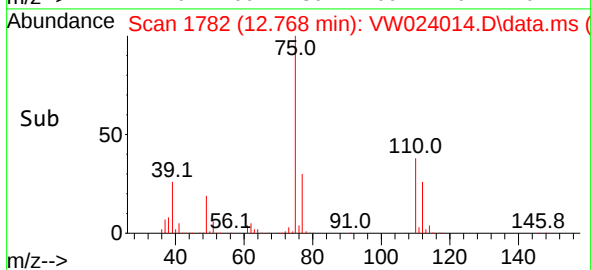
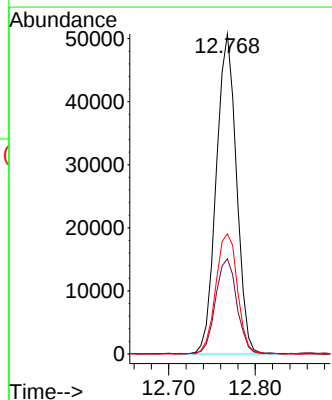
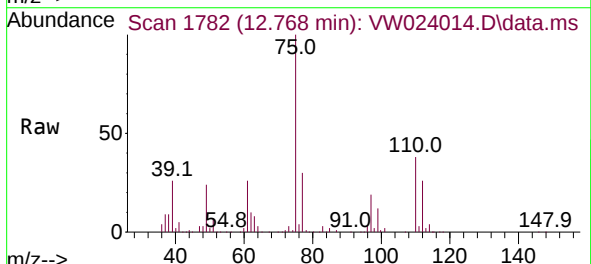
Instrument :  
MSVOA\_W  
ClientSampleId :

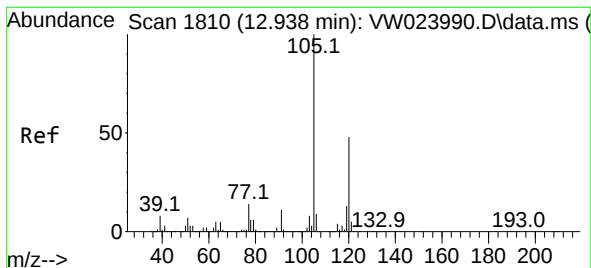
Tgt Ion:105 Resp: 459331  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.7 31.1  
77 16.1 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 27.957 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion: 75 Resp: 82193  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.0 37.4  
110 40.2 31.9 47.9

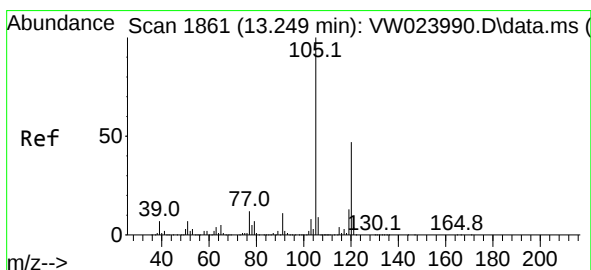
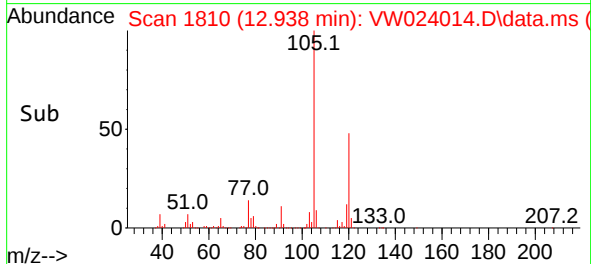
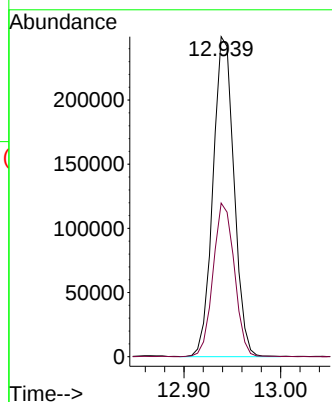
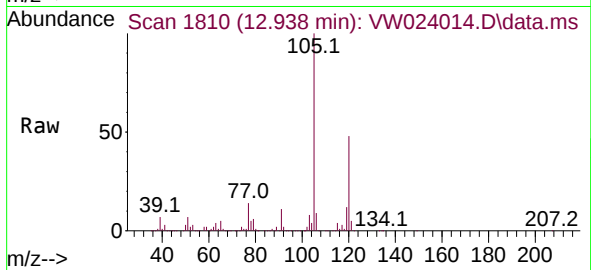




#62  
1,3,5-Trimethylbenzene  
Concen: 25.535 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

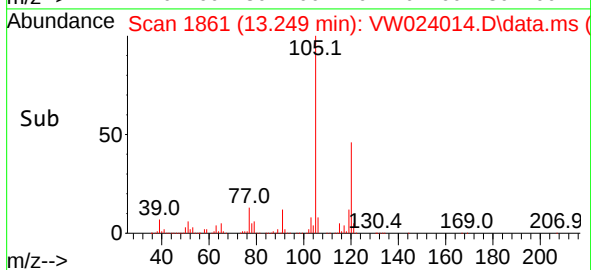
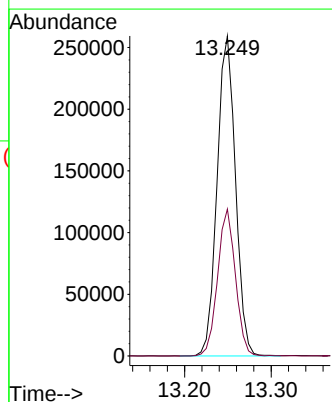
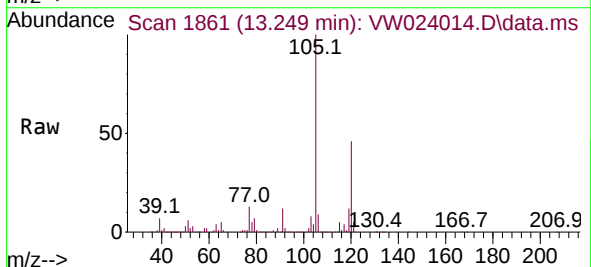
Instrument :  
MSVOA\_W  
ClientSampleId :

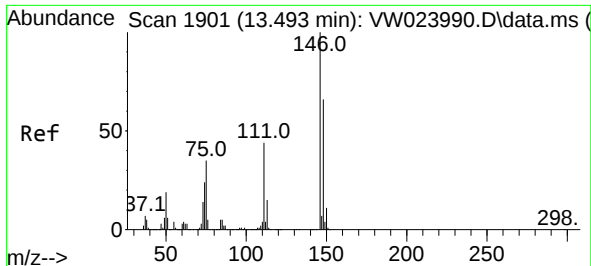
Tgt Ion:105 Resp: 376533  
Ion Ratio Lower Upper  
105 100  
120 48.6 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 25.952 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion:105 Resp: 382603  
Ion Ratio Lower Upper  
105 100  
120 44.5 35.5 53.3

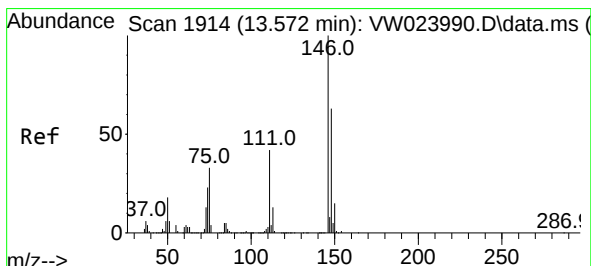
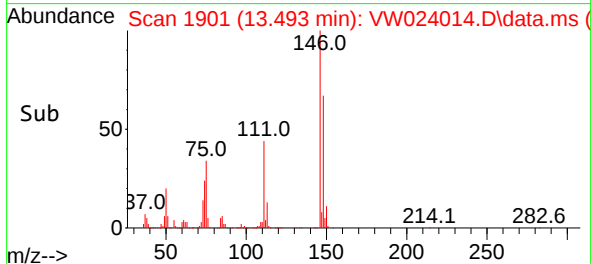
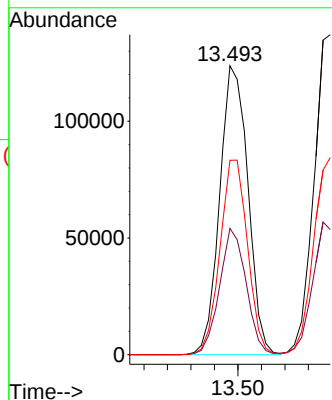
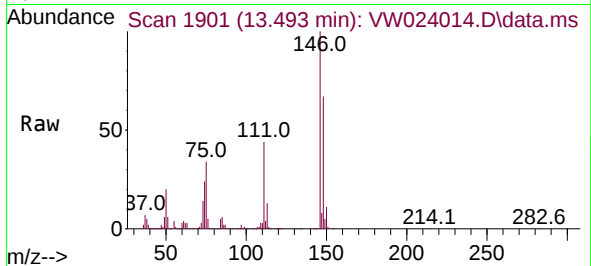




#64  
1,3-Dichlorobenzene  
Concen: 25.259 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

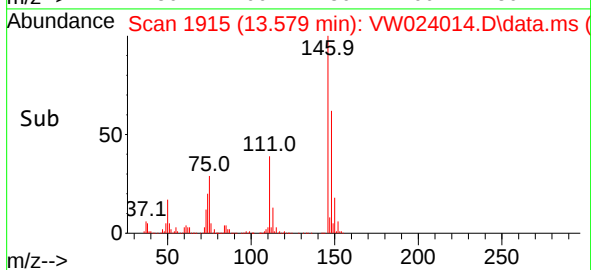
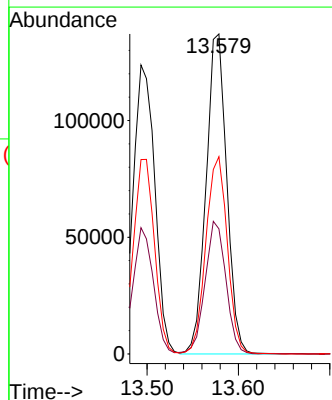
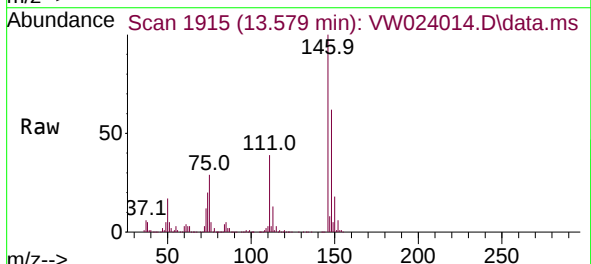
Instrument :  
MSVOA\_W  
ClientSampleId :

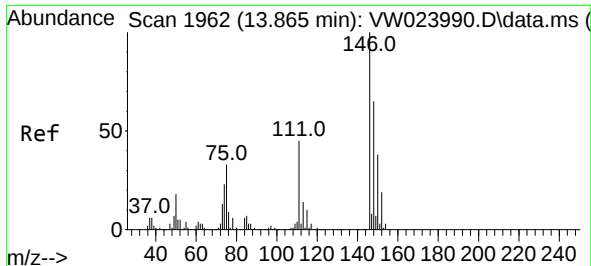
Tgt Ion:146 Resp: 206559  
Ion Ratio Lower Upper  
146 100  
111 43.7 28.6 53.2  
148 67.3 41.2 76.4



#65  
1,4-Dichlorobenzene  
Concen: 24.750 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion:146 Resp: 215327  
Ion Ratio Lower Upper  
146 100  
111 39.1 29.4 54.6  
148 61.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 26.638 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :

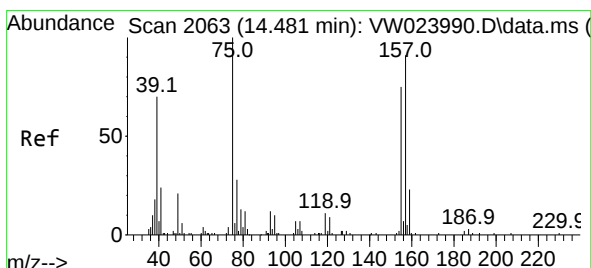
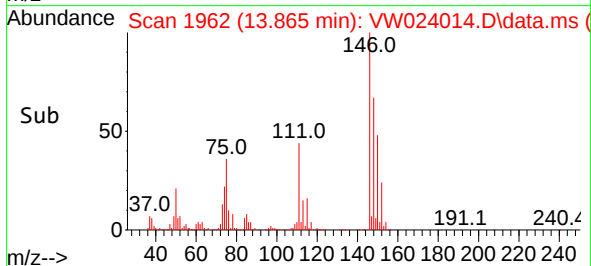
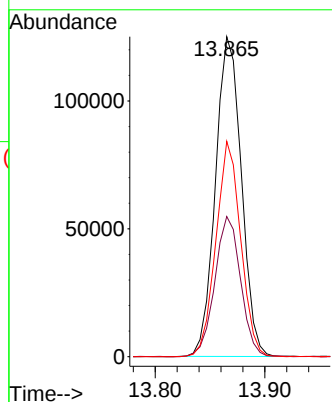
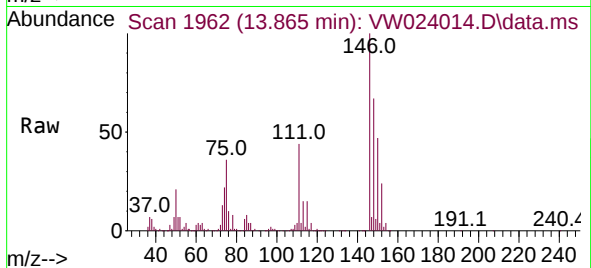
Tgt Ion:146 Resp: 205443

Ion Ratio Lower Upper

146 100

111 43.8 35.9 53.9

148 67.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 25.516 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

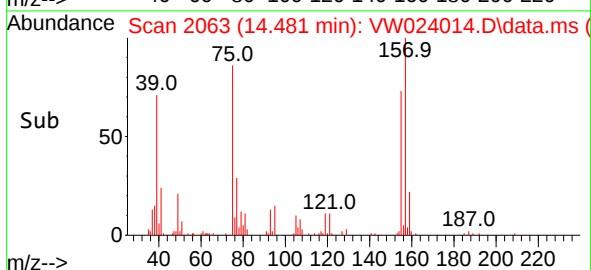
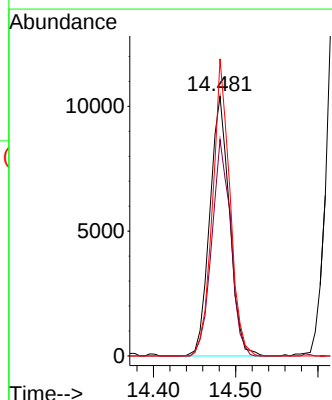
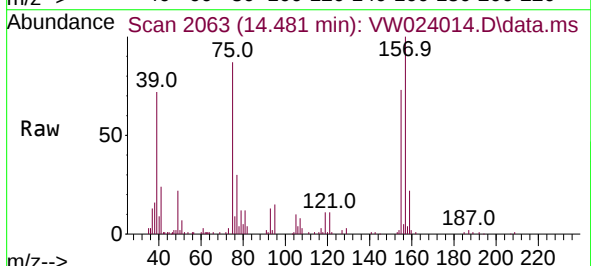
Tgt Ion: 75 Resp: 17302

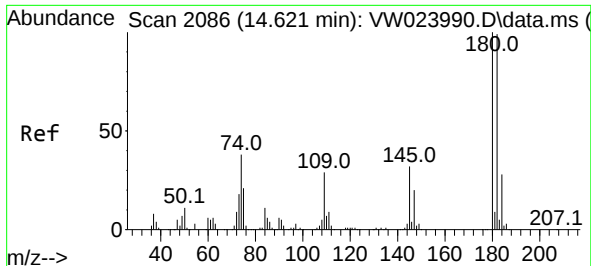
Ion Ratio Lower Upper

75 100

155 83.3 51.7 77.5#

157 114.4 63.5 95.3#





#69

1,3,5-Trichlorobenzene

Concen: 23.841 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

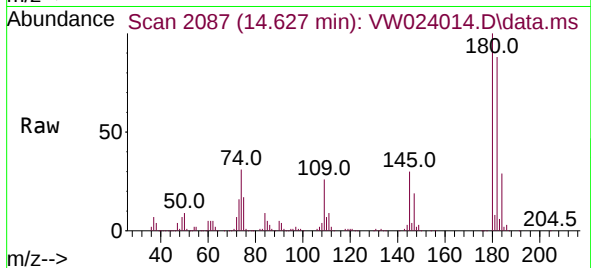
Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 129043

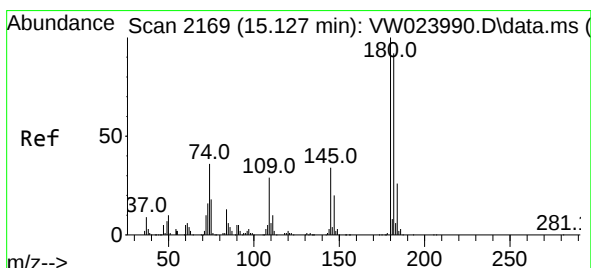
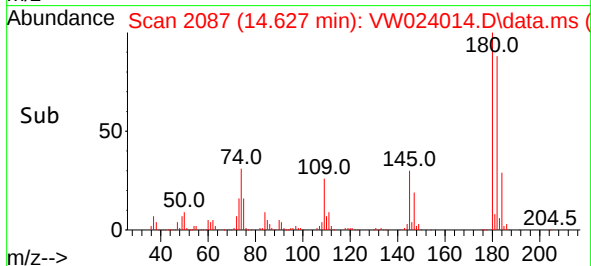
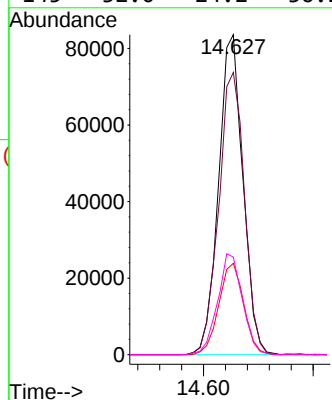
Ion Ratio Lower Upper

180 100

182 92.9 70.2 105.2

184 29.3 22.6 34.0

145 32.0 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 22.717 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024014.D

Acq: 22 Jul 2022 18:52

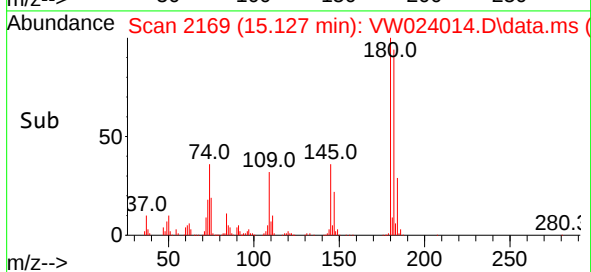
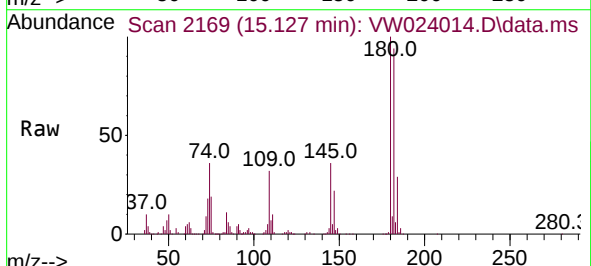
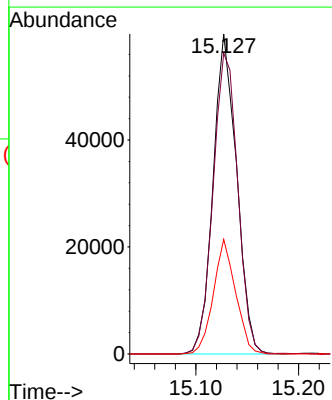
Tgt Ion:180 Resp: 94948

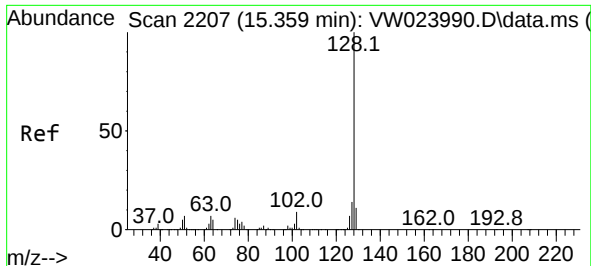
Ion Ratio Lower Upper

180 100

182 98.6 77.5 116.3

145 33.9 26.3 39.5

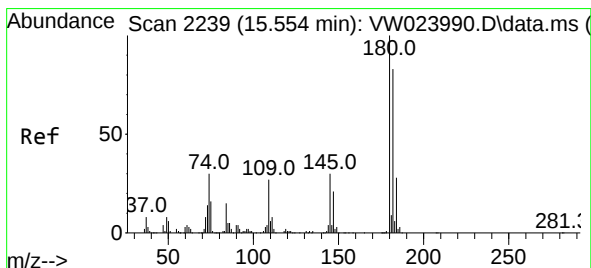
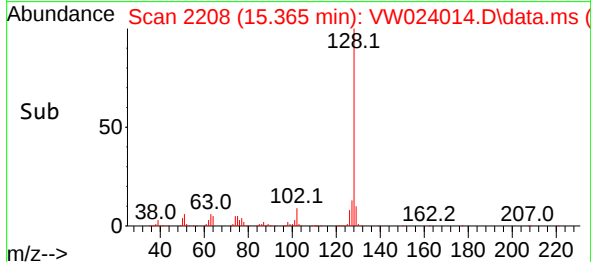
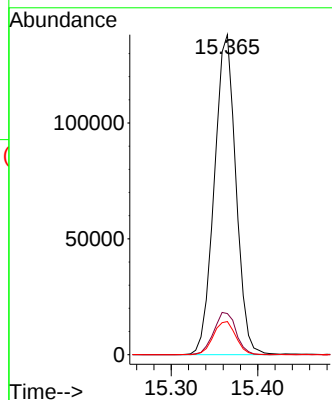
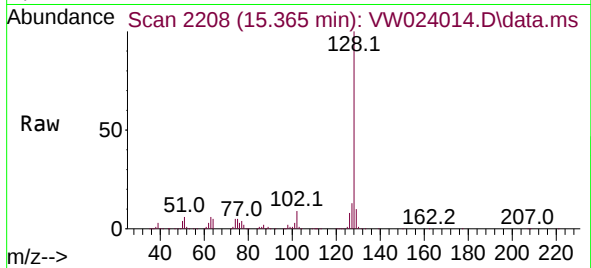




#71  
Naphthalene  
Concen: 26.669 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 239096  
Ion Ratio Lower Upper  
128 100  
127 13.7 11.0 16.4  
129 10.8 9.0 13.4



#72  
1,2,3-Trichlorobenzene  
Concen: 24.306 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW024014.D  
Acq: 22 Jul 2022 18:52

Tgt Ion:180 Resp: 94688  
Ion Ratio Lower Upper  
180 100  
182 94.8 76.3 114.5  
145 33.2 27.8 41.6

