

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072122\  
 Data File : VW023966.D  
 Acq On : 21 Jul 2022 08:18  
 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 01:25:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jul 21 00:18:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 289776   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 288518   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 167279   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 139829   | 18.893   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.560%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 97694    | 19.786   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 155144   | 25.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 102.960% |
| 21) 2-Butanone-d5             | 7.080  | 46    | 59503    | 51.832   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.660% |
| 24) Chloroform-d              | 7.647  | 84    | 224682   | 26.631   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.520% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 120822   | 23.415   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.680%  |
| 32) Benzene-d6                | 8.275  | 84    | 409939   | 27.333   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 109.320% |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 121729   | 26.945   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 107.760% |
| 41) Toluene-d8                | 10.323 | 98    | 387706   | 25.485   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 101.960% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 52142    | 24.623   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.480%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 51332    | 54.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 131504   | 26.340   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 156624   | 26.229   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.920% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 55234    | 28.049   | ug/L   | 93       |
| 3) Chloromethane              | 2.209  | 50    | 105643   | 21.907   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 167190   | 20.190   | ug/L   | 99       |
| 6) Bromomethane               | 2.770  | 94    | 96753    | 18.064   | ug/L   | 99       |
| 8) Chloroethane               | 2.910  | 64    | 73714    | 19.027   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 90420    | 24.021   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 103826   | 28.185   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 83581    | 27.210   | ug/L   | 82       |
| 13) Acetone                   | 4.123  | 43    | 39151    | 48.237   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.379  | 76    | 201494   | 22.299   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.672  | 43    | 43419    | 23.902   | ug/L   | 97       |
| 16) Methylene chloride        | 4.909  | 84    | 99430    | 21.943   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 96617    | 25.924   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 147286   | 25.544   | ug/L # | 87       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 182972   | 26.615   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 110574   | 26.780   | ug/L # | 93       |
| 22) 2-Butanone                | 7.165  | 43    | 61231    | 45.906   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.507  | 128   | 53460    | 26.953   | ug/L   | 90       |
| 25) Chloroform                | 7.671  | 83    | 212165   | 26.789   | ug/L   | 89       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Thu Jul 21 00:18:55 2022  
 Response via : Initial Calibration

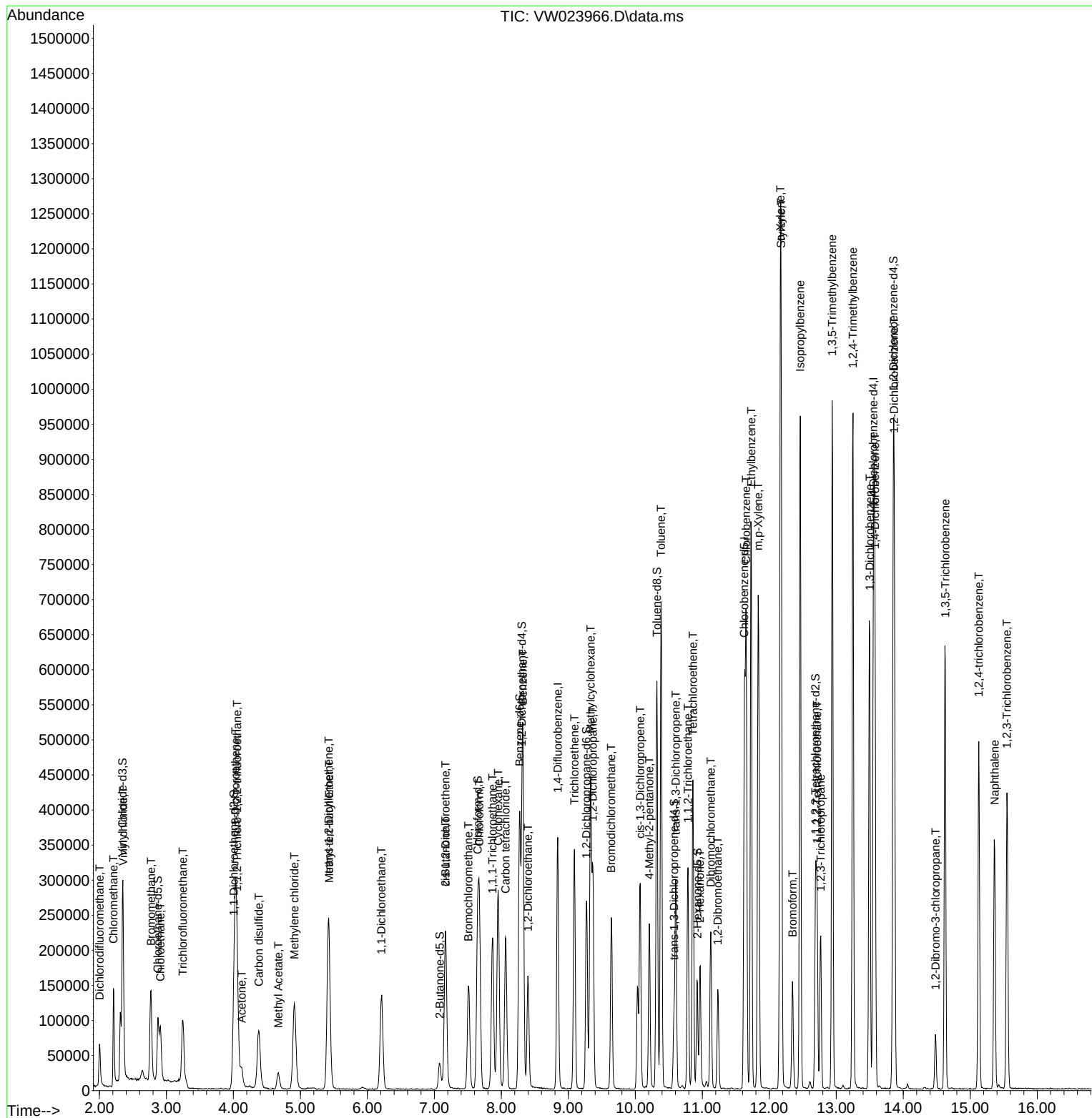
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 138608   | 23.779 | ug/L   | 100      |
| 29) Cyclohexane               | 7.952  | 56   | 136862   | 25.937 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 174021   | 27.856 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 156963   | 27.873 | ug/L   | 99       |
| 33) Benzene                   | 8.324  | 78   | 435031   | 26.533 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 113110   | 26.125 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.336  | 83   | 173924   | 26.381 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 111096   | 27.028 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 157178   | 27.398 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 169318   | 27.329 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 144130   | 50.389 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 502400   | 26.869 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 154657   | 26.264 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 92866    | 25.838 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.860 | 164  | 90408    | 27.006 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.963 | 43   | 106047   | 50.922 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 116421   | 27.931 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 89216    | 25.837 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.652 | 112  | 331685   | 26.302 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 567458   | 26.706 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106  | 224496   | 27.080 | ug/L   | 100      |
| 54) o-Xylene                  | 12.164 | 106  | 217988   | 27.380 | ug/L   | 91       |
| 55) Styrene                   | 12.176 | 104  | 390570   | 27.769 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 123784   | 25.249 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 64547    | 26.168 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 594697   | 26.466 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 86712    | 23.641 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 480903   | 26.141 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 501062   | 27.242 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 275240   | 26.978 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 285483   | 26.302 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 258434   | 26.859 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17964    | 21.234 | ug/L # | 68       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 184468   | 27.317 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 140147   | 26.877 | ug/L   | 98       |
| 71) Naphthalene               | 15.365 | 128  | 302021   | 27.001 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 131707   | 27.099 | ug/L   | 100      |

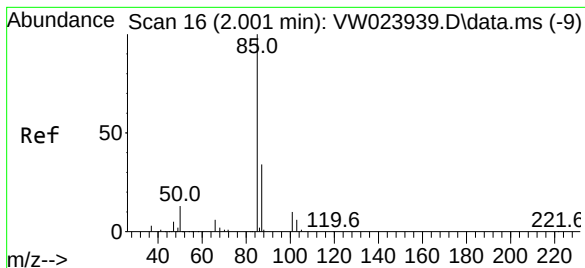
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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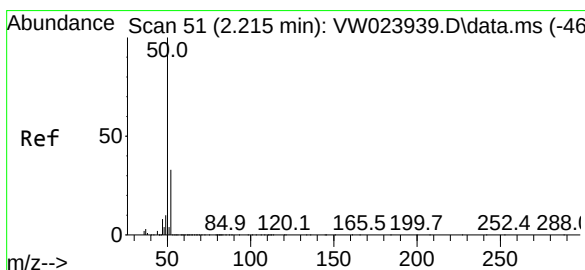
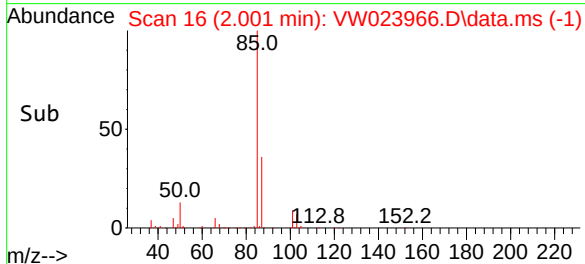
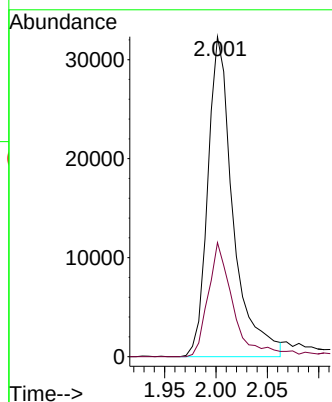
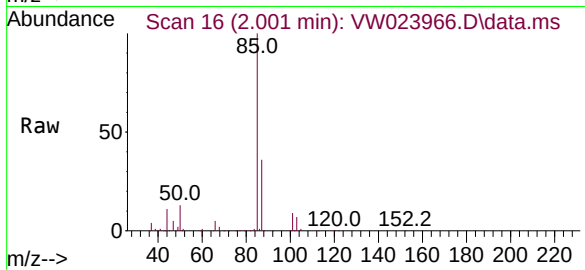




#2  
 Dichlorodifluoromethane  
 Concen: 28.049 ug/L  
 RT: 2.001 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

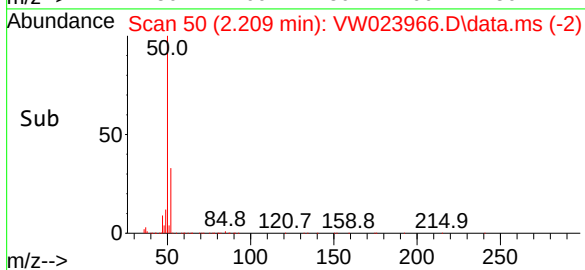
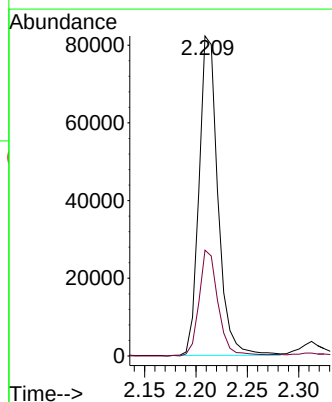
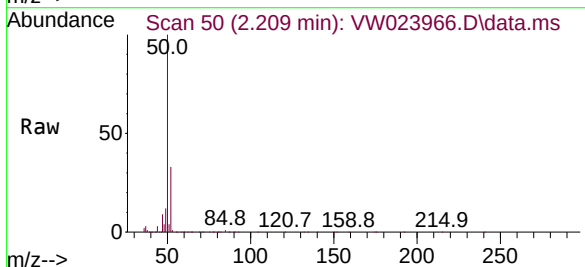
Instrument :  
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 ClientSampleId :

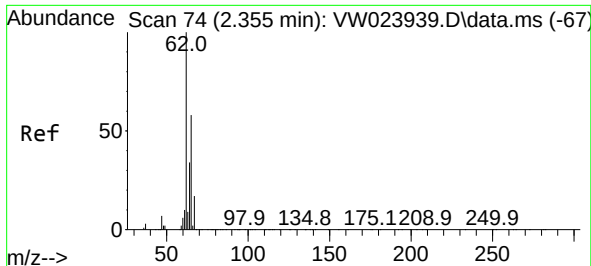
Tgt Ion: 85 Resp: 55234  
 Ion Ratio Lower Upper  
 85 100  
 87 34.8 24.7 37.1



#3  
 Chloromethane  
 Concen: 21.907 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

Tgt Ion: 50 Resp: 105643  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 23.7 44.1

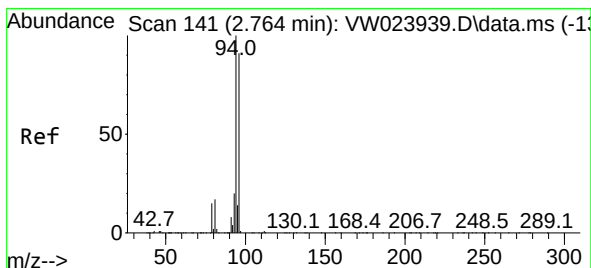
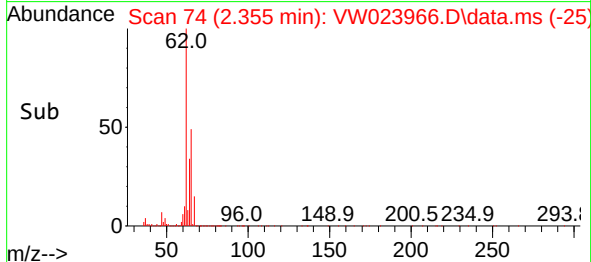
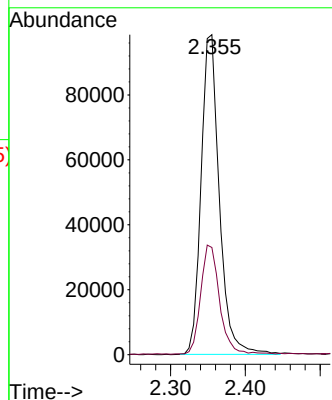
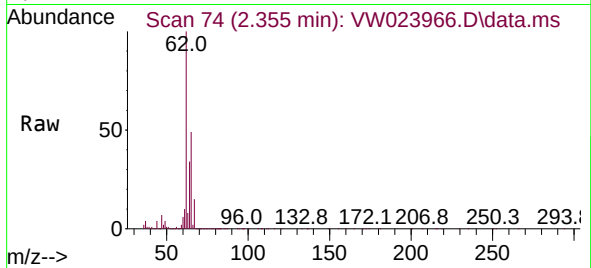




#5  
 Vinyl chloride  
 Concen: 20.190 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

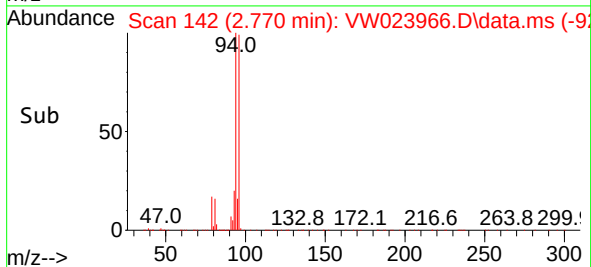
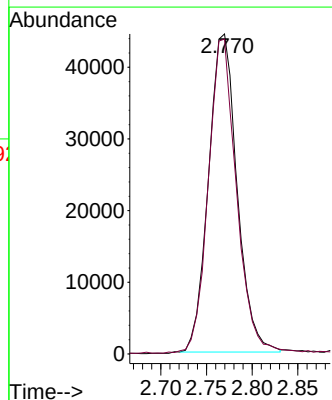
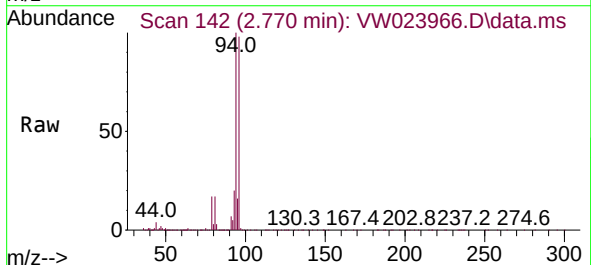
Instrument :  
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 ClientSampleId :

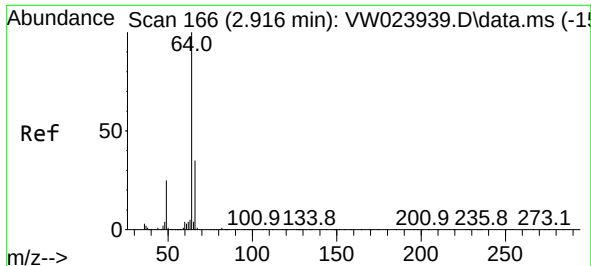
Tgt Ion: 62 Resp: 167190  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 24.0 44.6



#6  
 Bromomethane  
 Concen: 18.064 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. 0.006 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

Tgt Ion: 94 Resp: 96753  
 Ion Ratio Lower Upper  
 94 100  
 96 98.4 68.2 126.6

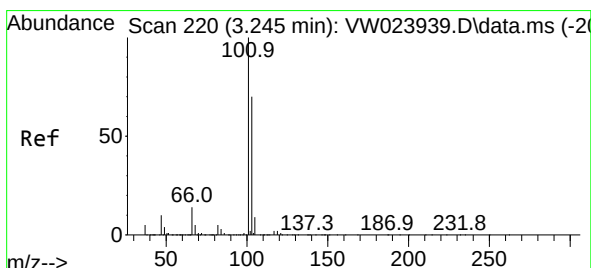
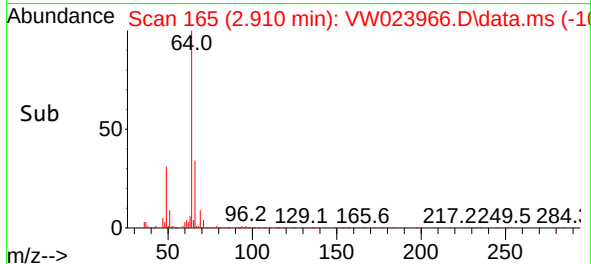
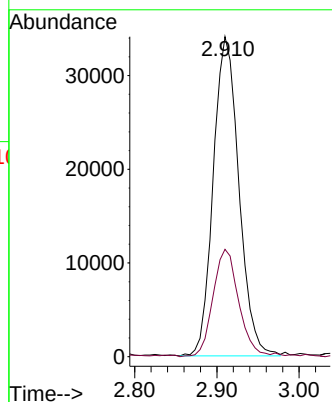
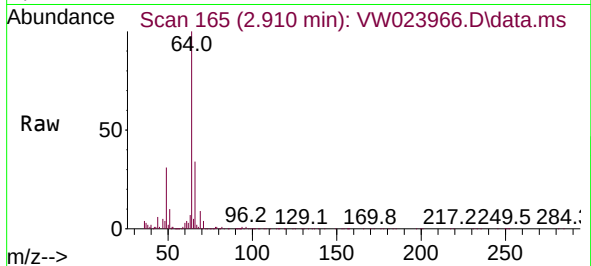




#8  
Chloroethane  
Concen: 19.027 ug/L  
RT: 2.910 min Scan# 165  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

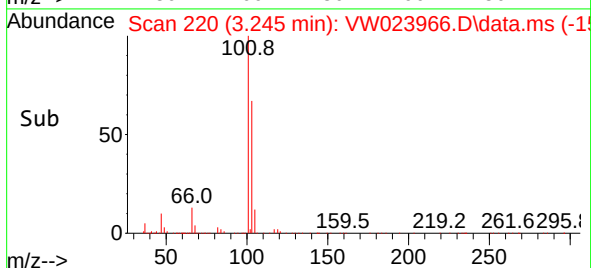
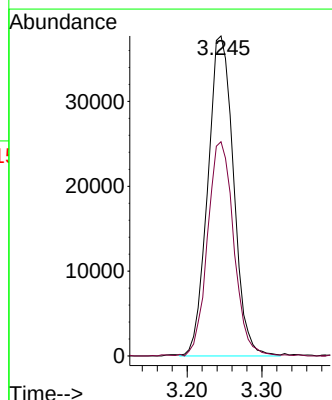
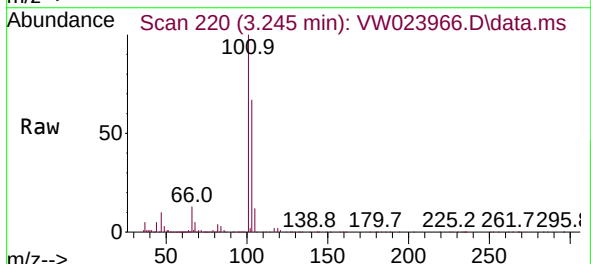
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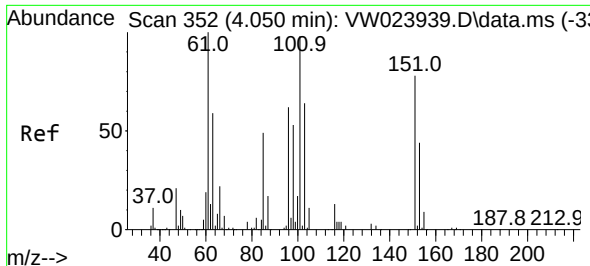
Tgt Ion: 64 Resp: 73714  
Ion Ratio Lower Upper  
64 100  
66 33.6 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 24.021 ug/L  
RT: 3.245 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 101 Resp: 90420  
Ion Ratio Lower Upper  
101 100  
103 67.8 52.1 78.1

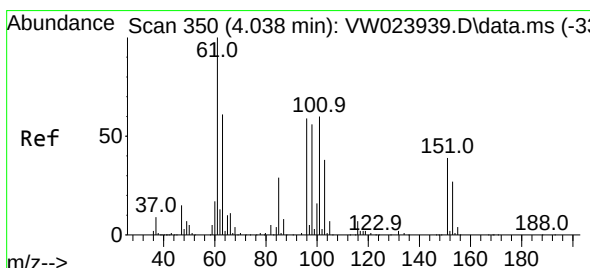
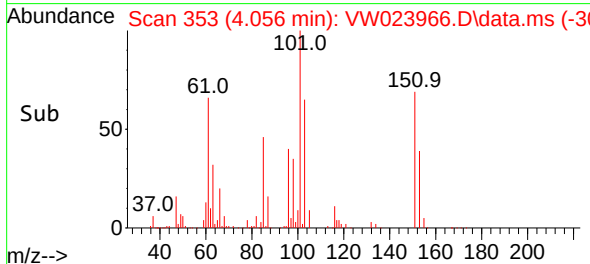
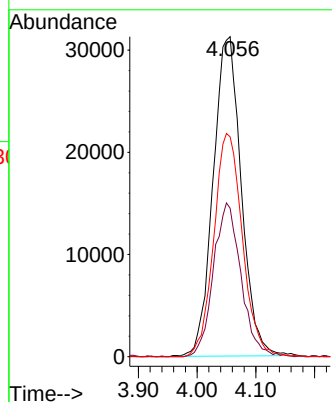
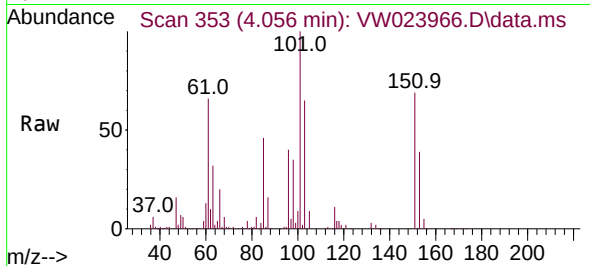




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 28.185 ug/L  
 RT: 4.056 min Scan# 31  
 Delta R.T. 0.006 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

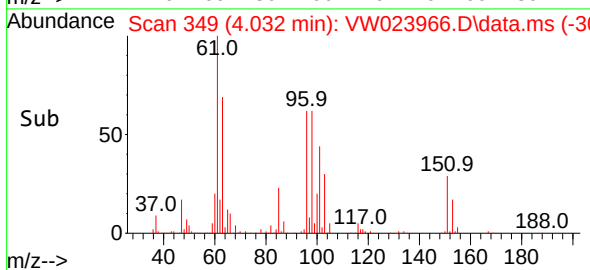
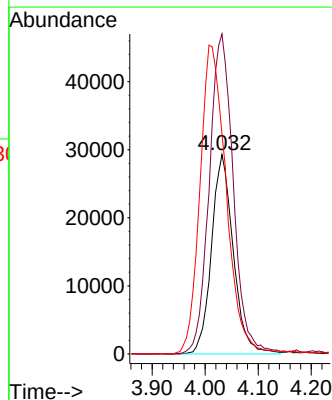
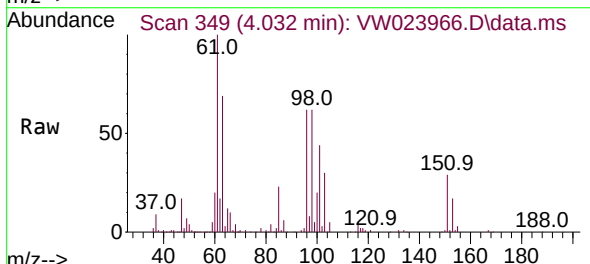
Instrument :  
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 ClientSampleId :

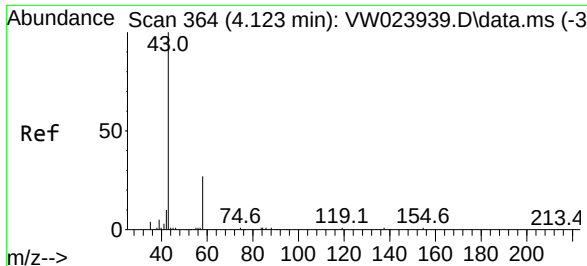
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 Ion Ratio Lower Upper  
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 85 47.2 37.6 56.4  
 151 71.1 57.6 86.4



#12  
 1,1-Dichloroethene  
 Concen: 27.210 ug/L  
 RT: 4.032 min Scan# 349  
 Delta R.T. -0.006 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

Tgt Ion: 96 Resp: 83581  
 Ion Ratio Lower Upper  
 96 100  
 61 160.5 125.4 232.8  
 63 110.3 97.4 180.8

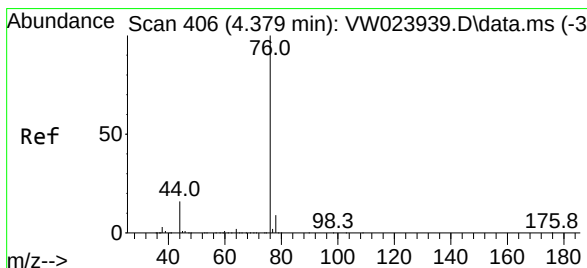
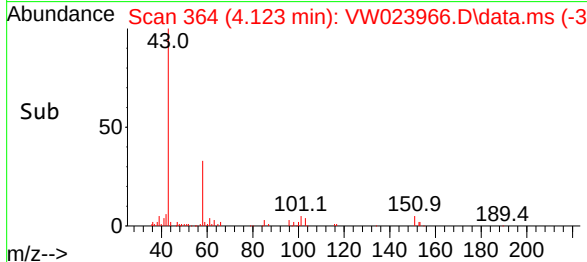
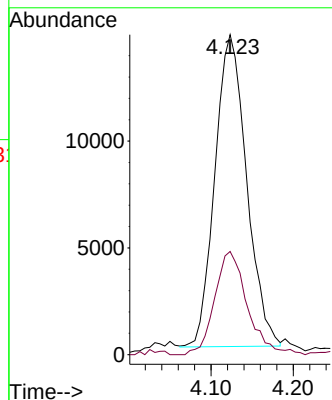
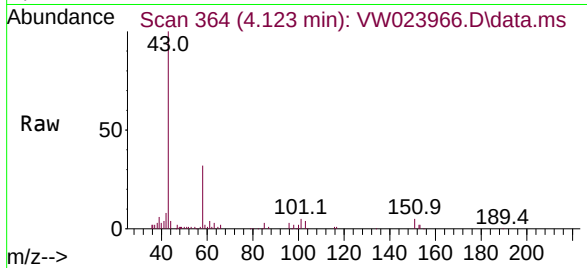




#13  
Acetone  
Concen: 48.237 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

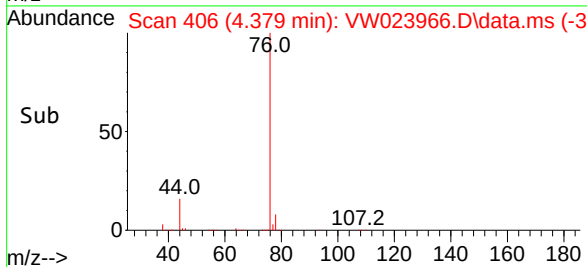
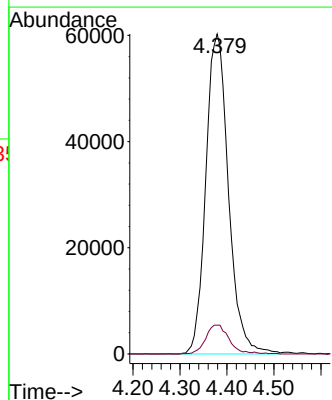
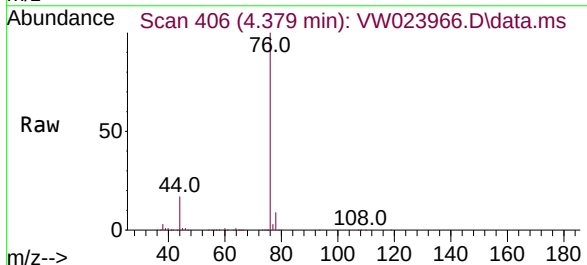
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 39151  
Ion Ratio Lower Upper  
43 100  
58 33.6 0.0 64.2

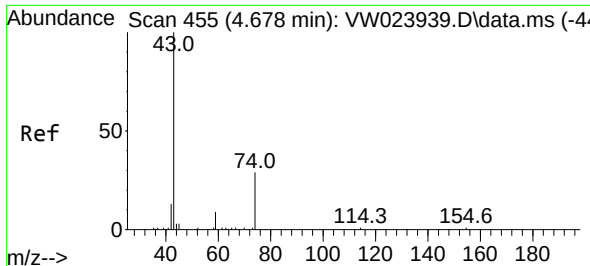


#14  
Carbon disulfide  
Concen: 22.299 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 76 Resp: 201494  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8



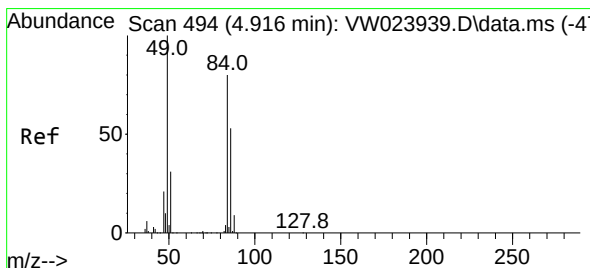
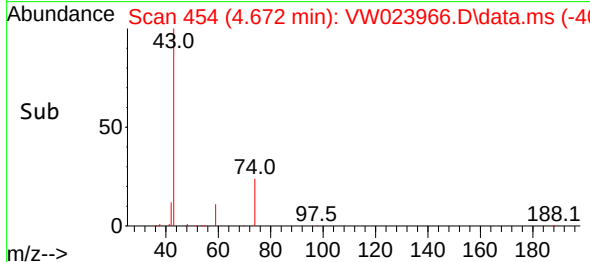
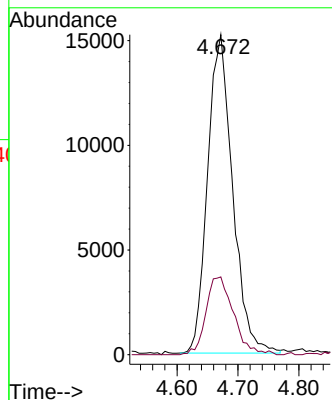
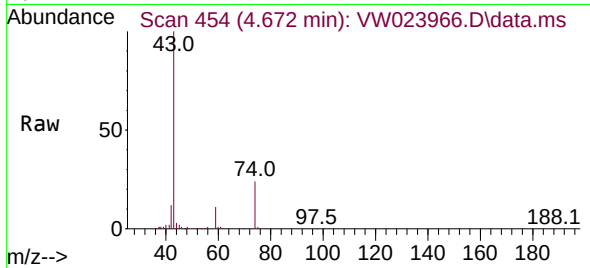




#15  
Methyl Acetate  
Concen: 23.902 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

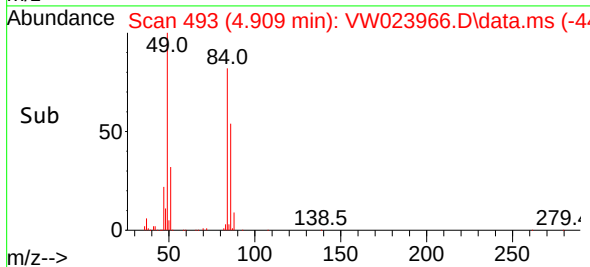
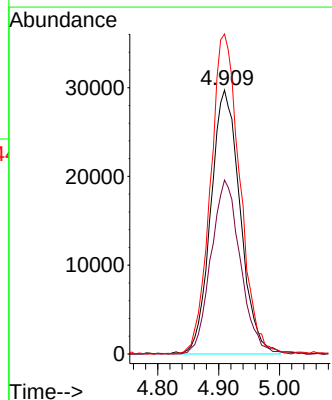
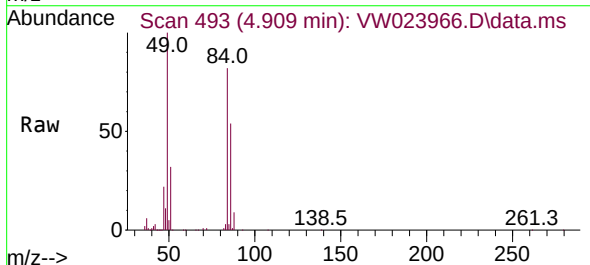
Instrument :  
MSVOA\_W  
ClientSampleId :

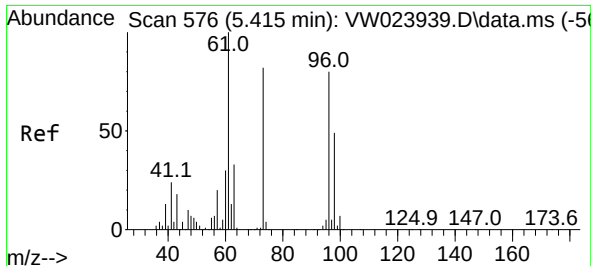
Tgt Ion: 43 Resp: 43419  
Ion Ratio Lower Upper  
43 100  
74 26.6 20.0 30.0



#16  
Methylene chloride  
Concen: 21.943 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

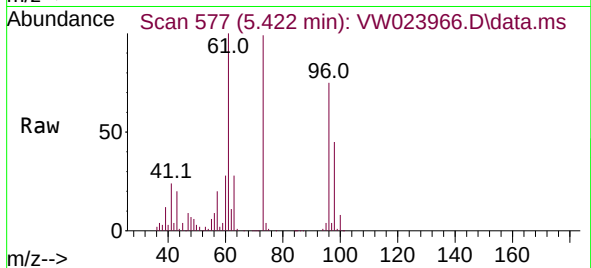
Tgt Ion: 84 Resp: 99430  
Ion Ratio Lower Upper  
84 100  
86 65.9 42.8 79.6  
49 121.3 85.4 158.6



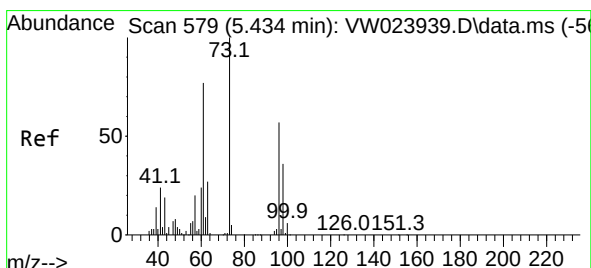
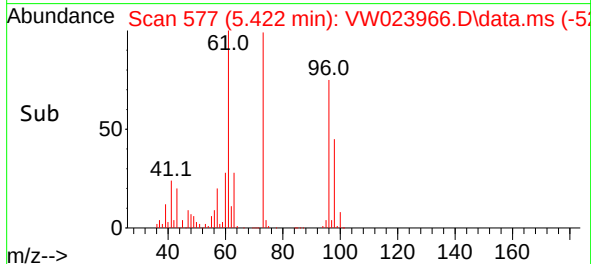
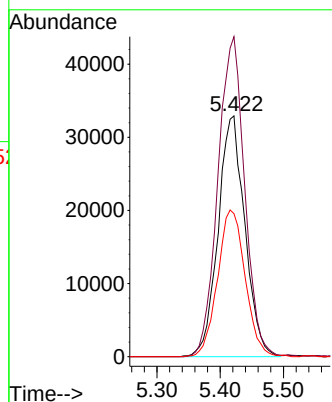


#17  
trans-1,2-Dichloroethene  
Concen: 25.924 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. 0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Instrument :  
MSVOA\_W  
ClientSampleId :

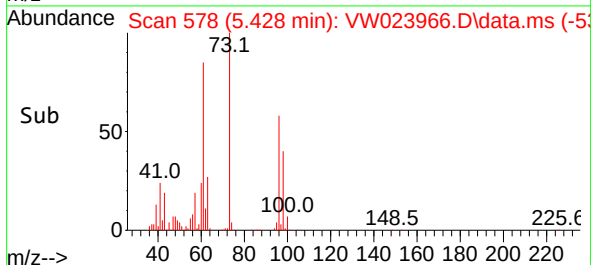
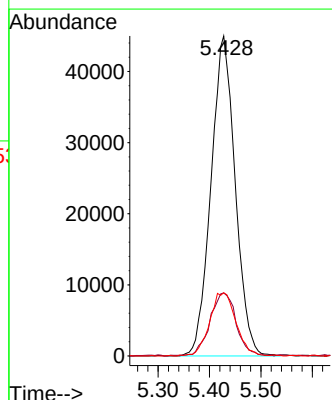
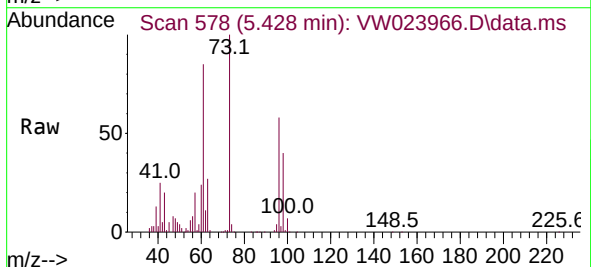


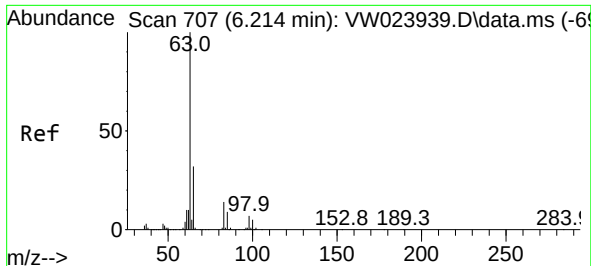
Tgt Ion: 96 Resp: 96617  
Ion Ratio Lower Upper  
96 100  
61 132.9 90.8 168.6  
98 59.4 42.8 79.6



#18  
Methyl tert-butyl Ether  
Concen: 25.544 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 73 Resp: 147286  
Ion Ratio Lower Upper  
73 100  
43 20.7 17.6 26.4  
57 9.9 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 26.615 ug/L

RT: 6.208 min Scan# 707

Delta R.T. -0.006 min

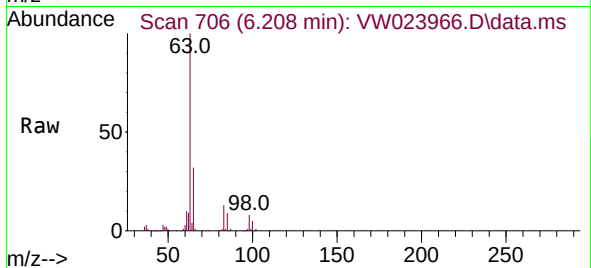
Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

ClientSampleId :



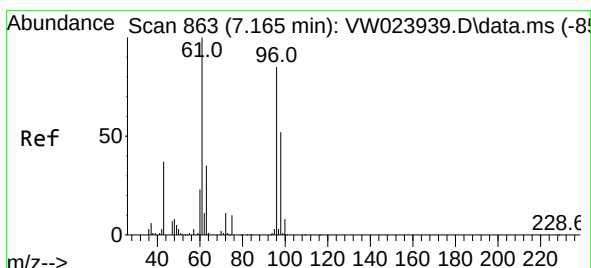
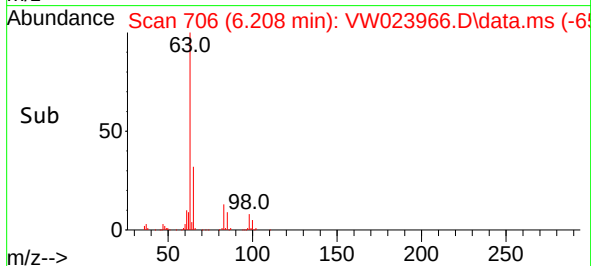
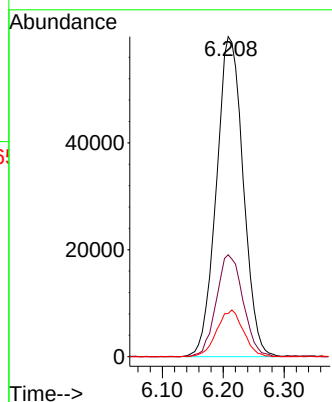
Tgt Ion: 63 Resp: 182972

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.1

83 13.5 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 26.780 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

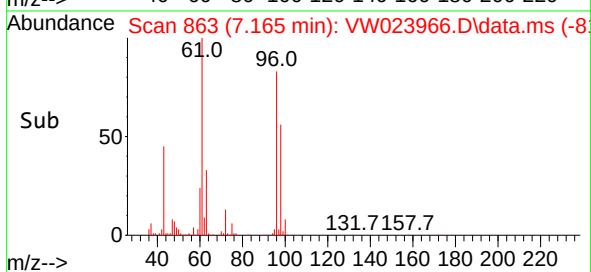
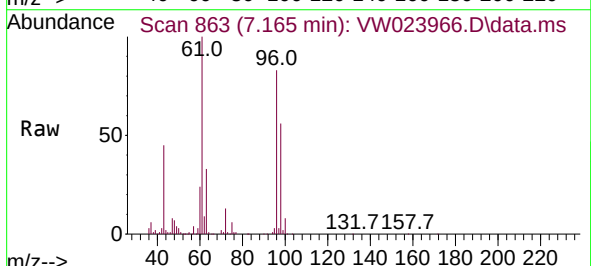
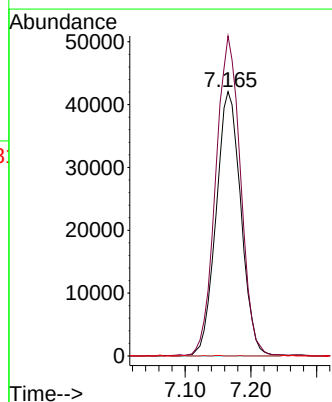
Tgt Ion: 96 Resp: 110574

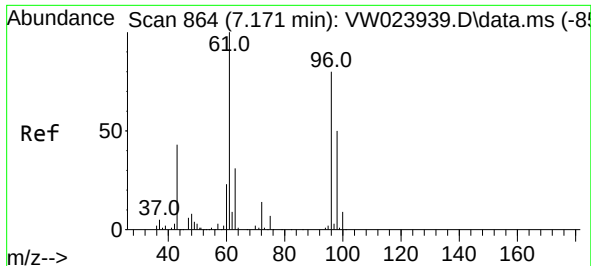
Ion Ratio Lower Upper

96 100

61 121.0 90.6 168.2

68 0.0 0.2 0.4#





#22

2-Butanone

Concen: 45.906 ug/L

RT: 7.165 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

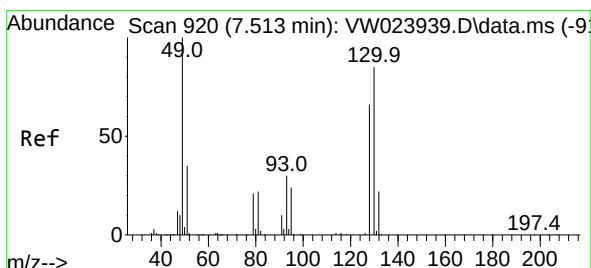
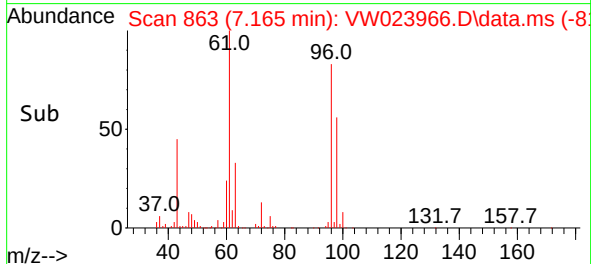
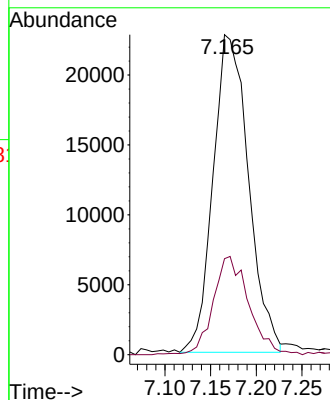
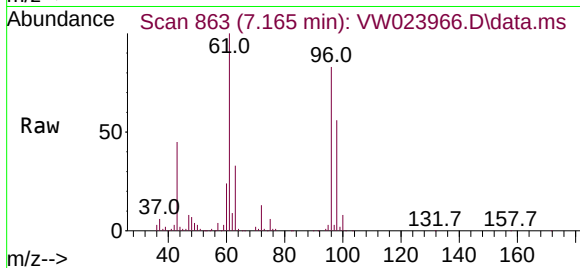
ClientSampleId :

Tgt Ion: 43 Resp: 61231

Ion Ratio Lower Upper

43 100

72 30.9 14.7 44.1



#23

Bromochloromethane

Concen: 26.953 ug/L

RT: 7.507 min Scan# 919

Delta R.T. -0.006 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Tgt Ion: 128 Resp: 53460

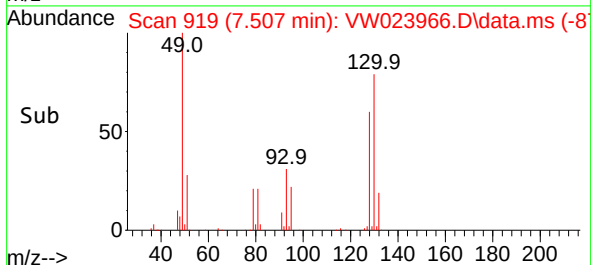
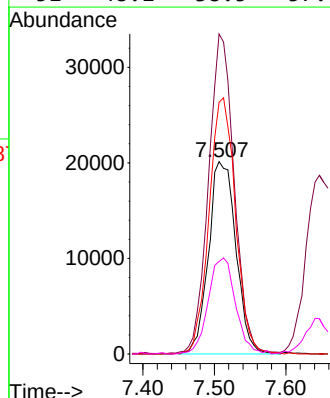
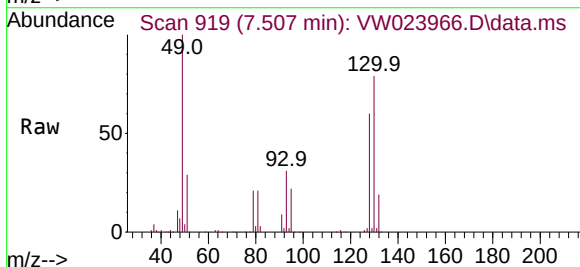
Ion Ratio Lower Upper

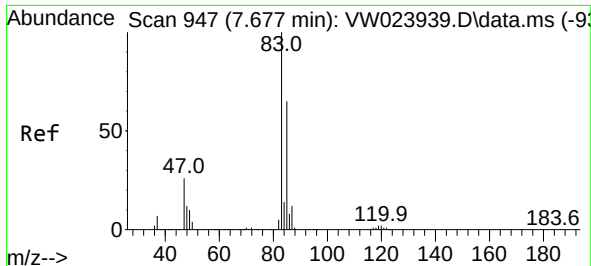
128 100

49 166.4 106.0 196.8

130 130.9 83.2 154.4

51 48.1 38.5 57.7

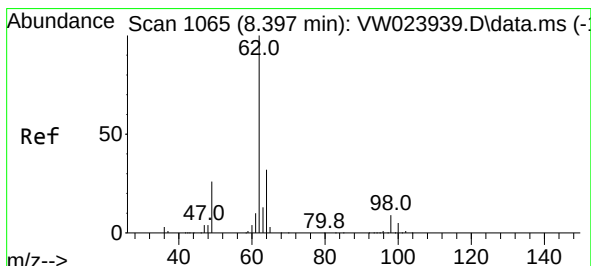
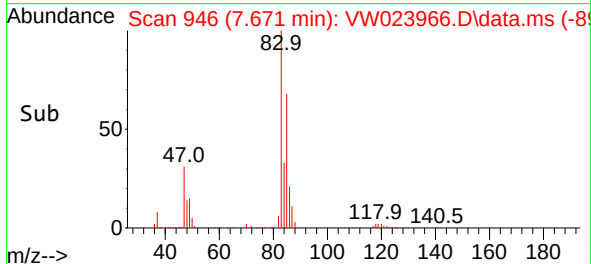
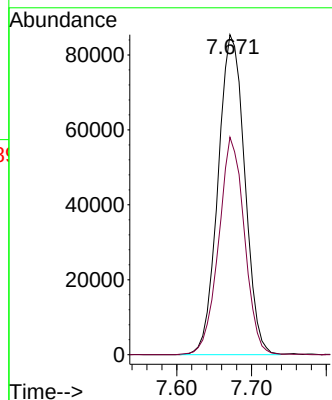
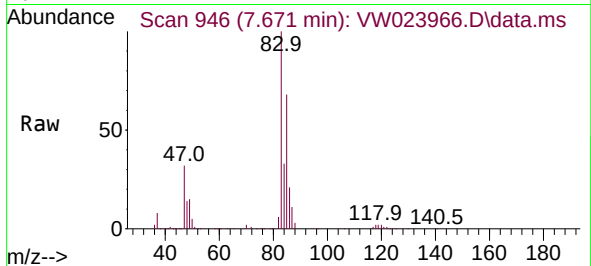




#25  
Chloroform  
Concen: 26.789 ug/L  
RT: 7.671 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

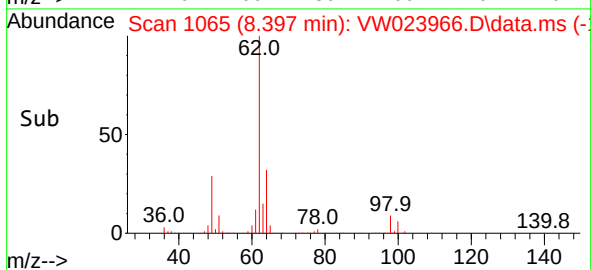
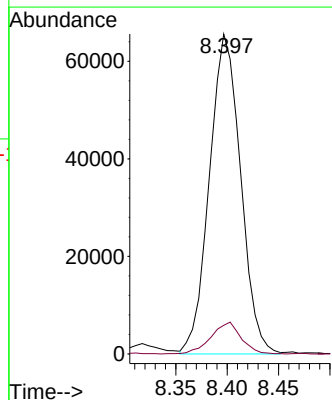
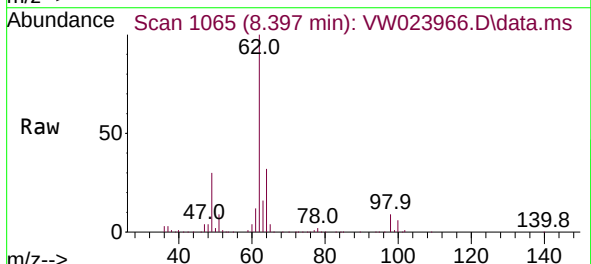
Instrument :  
MSVOA\_W  
ClientSampleId :

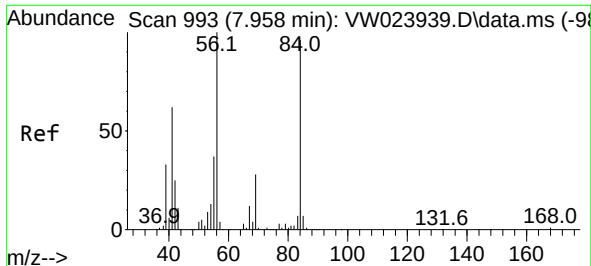
Tgt Ion: 83 Resp: 212165  
Ion Ratio Lower Upper  
83 100  
85 68.0 41.9 77.9



#27  
1,2-Dichloroethane  
Concen: 23.779 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

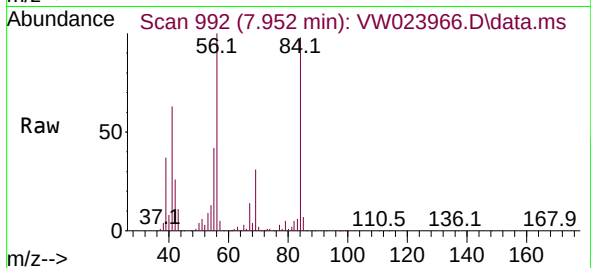
Tgt Ion: 62 Resp: 138608  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.2 10.8



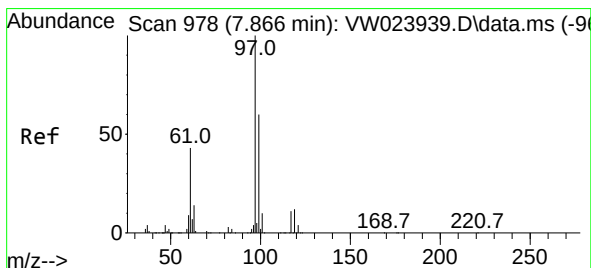
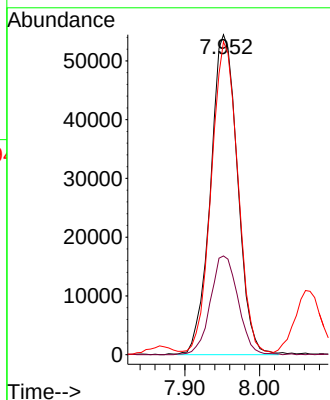
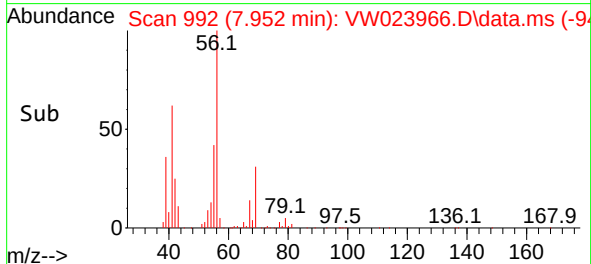


#29  
Cyclohexane  
Concen: 25.937 ug/L  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Instrument :  
MSVOA\_W  
ClientSampleId :

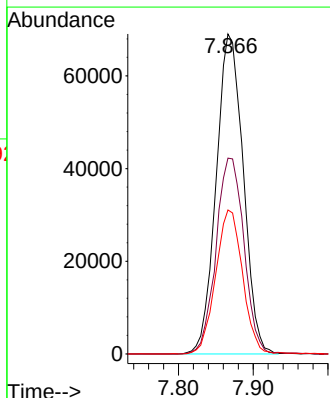
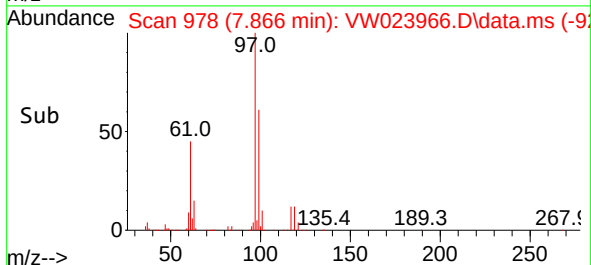
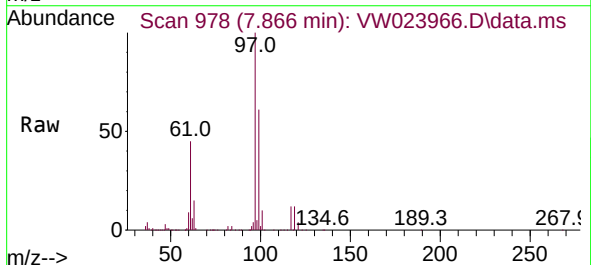


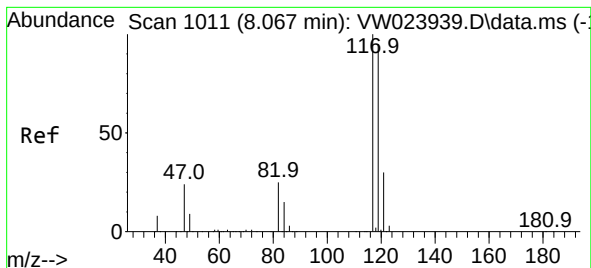
Tgt Ion: 56 Resp: 136862  
Ion Ratio Lower Upper  
56 100  
69 31.4 25.4 38.0  
84 96.5 75.0 112.4



#30  
1,1,1-Trichloroethane  
Concen: 27.856 ug/L  
RT: 7.866 min Scan# 978  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 97 Resp: 174021  
Ion Ratio Lower Upper  
97 100  
99 62.9 51.0 76.6  
61 44.6 37.5 56.3





#31

Carbon tetrachloride

Concen: 27.873 ug/L

RT: 8.061 min Scan# 1011

Delta R.T. -0.006 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

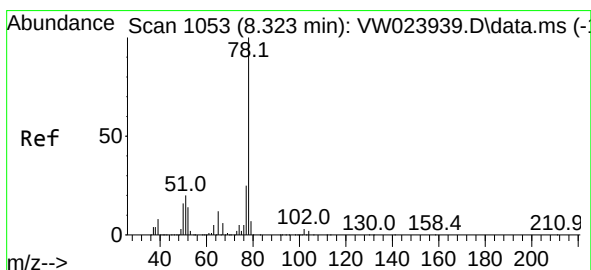
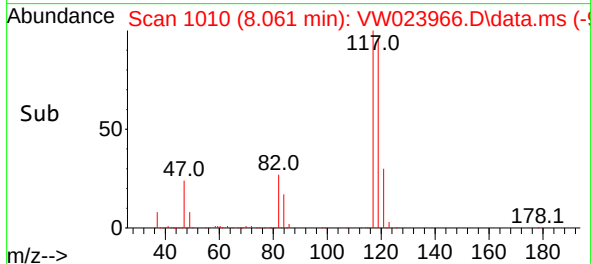
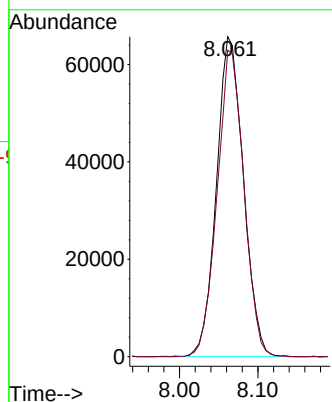
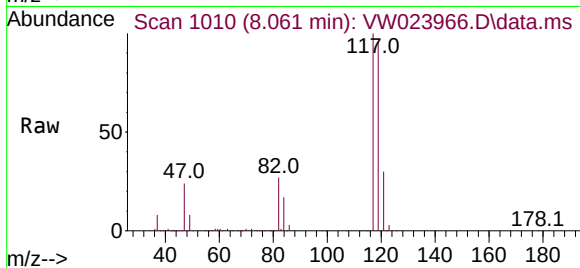
ClientSampleId :

Tgt Ion:117 Resp: 156963

Ion Ratio Lower Upper

117 100

119 95.4 75.7 113.5



#33

Benzene

Concen: 26.533 ug/L

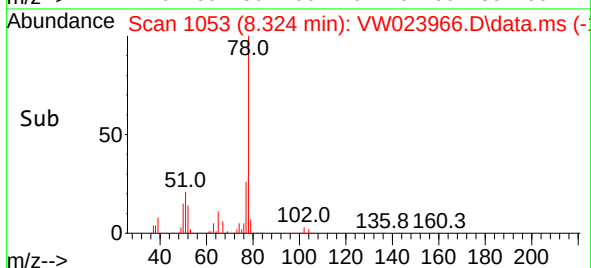
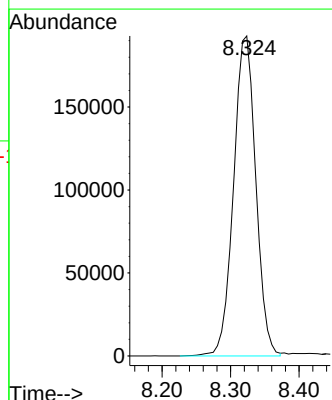
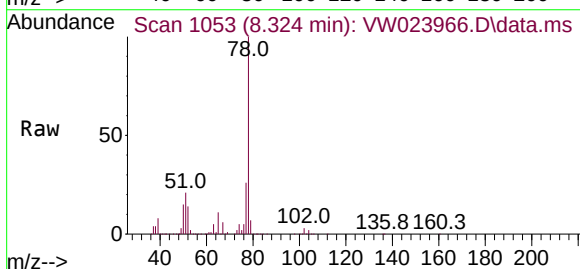
RT: 8.324 min Scan# 1053

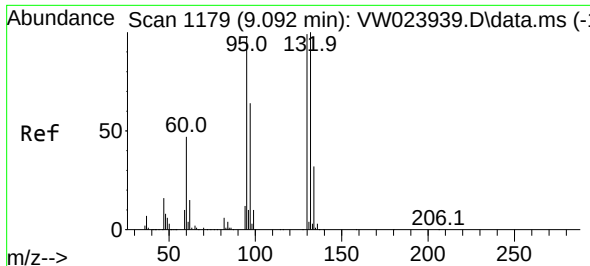
Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

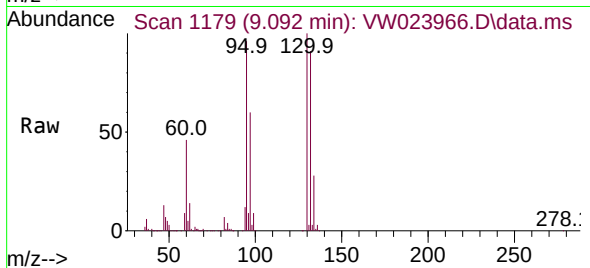
Tgt Ion: 78 Resp: 435031



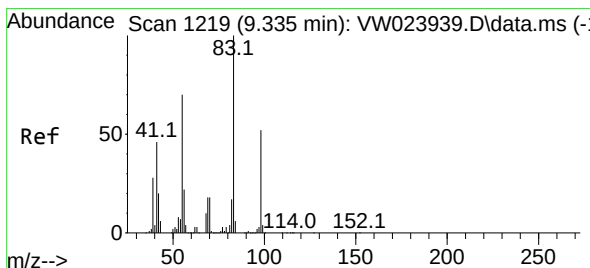
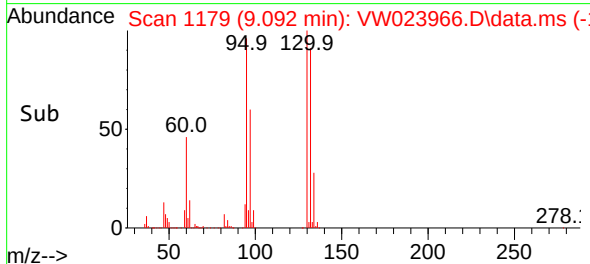
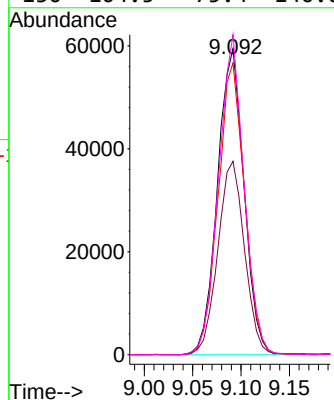


#34  
Trichloroethene  
Concen: 26.125 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Instrument :  
MSVOA\_W  
ClientSampleId :

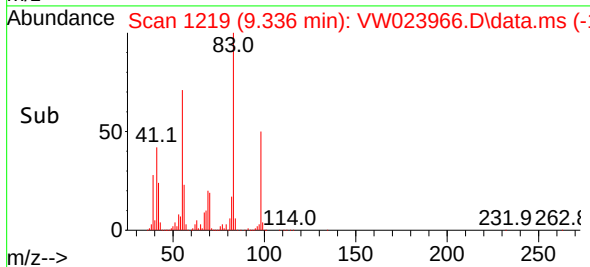
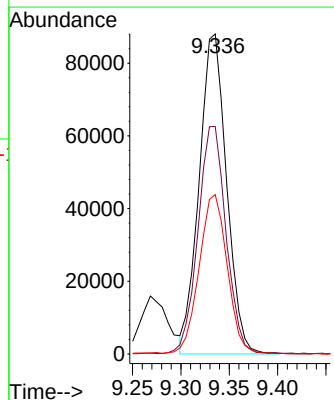
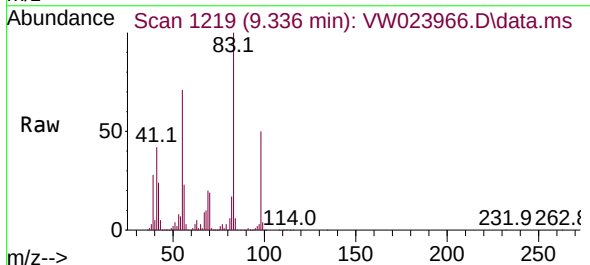


Tgt Ion: 95 Resp: 113110  
Ion Ratio Lower Upper  
95 100  
97 63.2 45.6 84.8  
132 95.4 69.9 129.7  
130 104.5 75.4 140.0

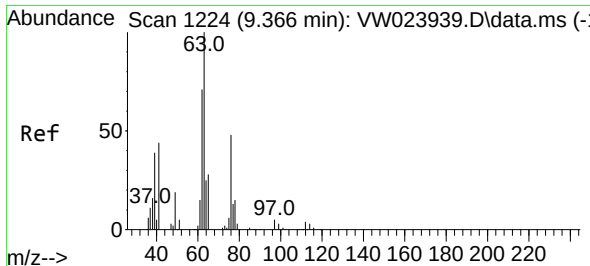


#35  
Methylcyclohexane  
Concen: 26.381 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 83 Resp: 173924  
Ion Ratio Lower Upper  
83 100  
55 72.8 60.8 91.2  
98 51.2 39.5 59.3







#37

1,2-Dichloropropane

Concen: 27.028 ug/L

RT: 9.366 min Scan# 111096

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

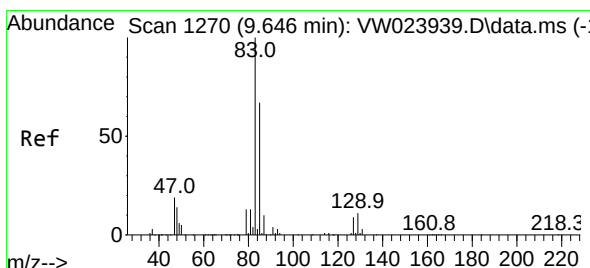
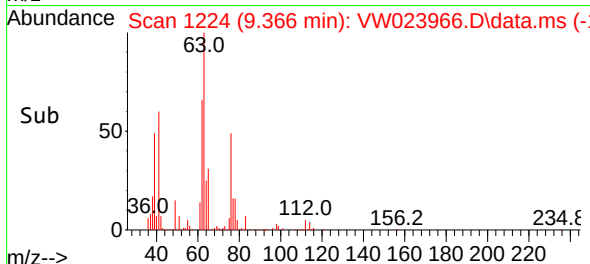
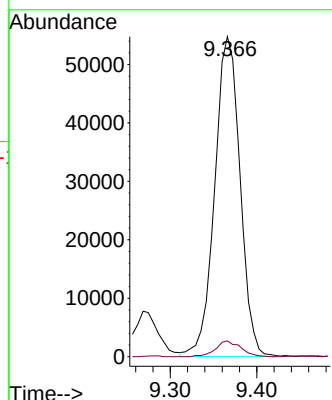
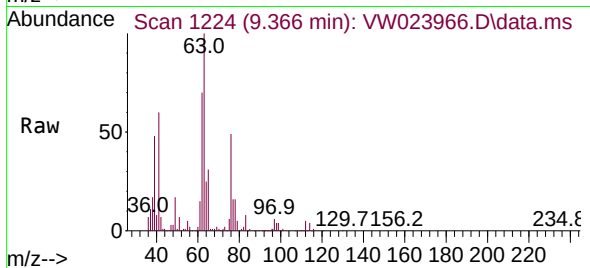
ClientSampleId :

Tgt Ion: 63 Resp: 111096

Ion Ratio Lower Upper

63 100

112 4.9 4.2 6.2



#38

Bromodichloromethane

Concen: 27.398 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

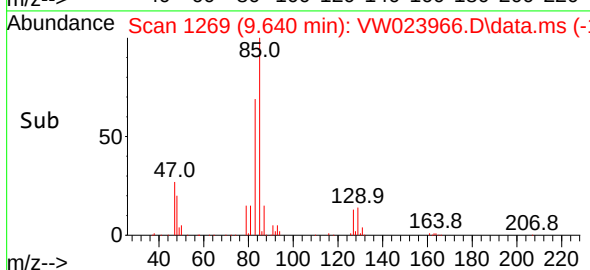
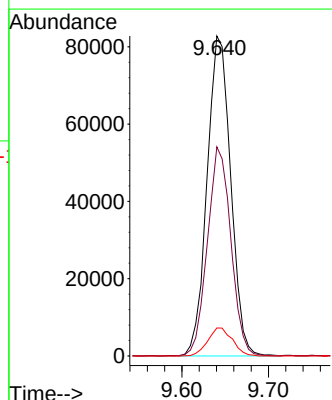
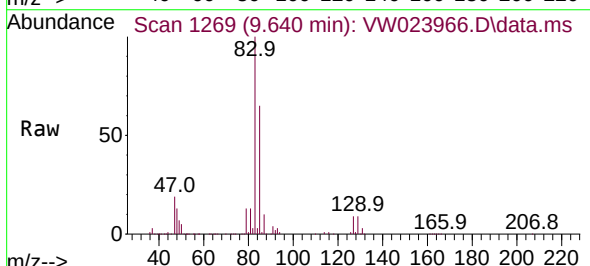
Tgt Ion: 83 Resp: 157178

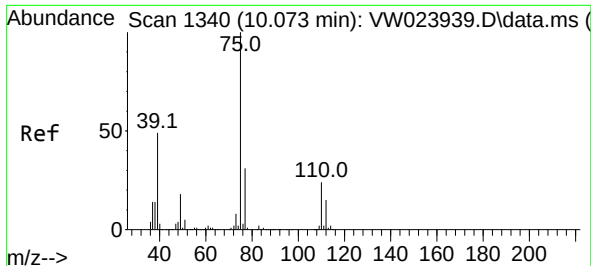
Ion Ratio Lower Upper

83 100

85 65.4 45.5 84.5

127 8.8 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 27.329 ug/L

RT: 10.073 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

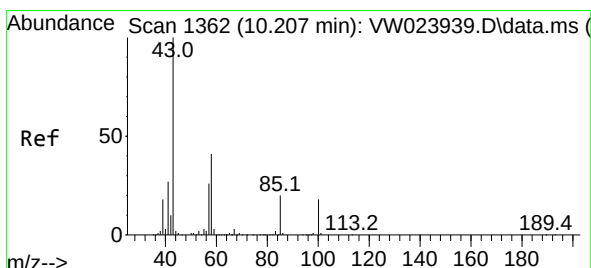
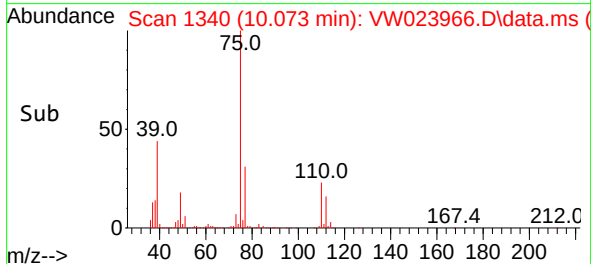
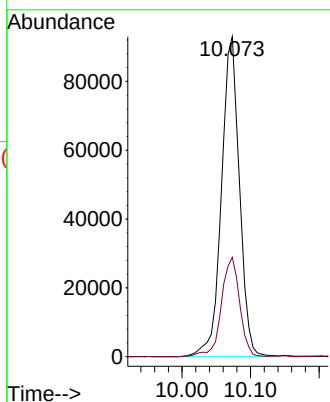
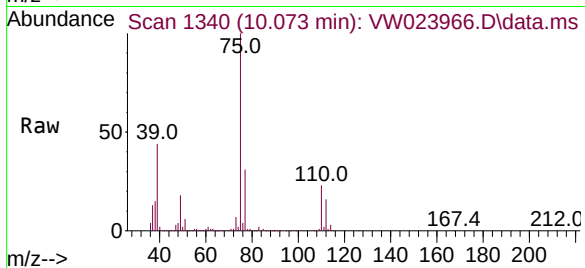
ClientSampleId :

Tgt Ion: 75 Resp: 169318

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 50.389 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

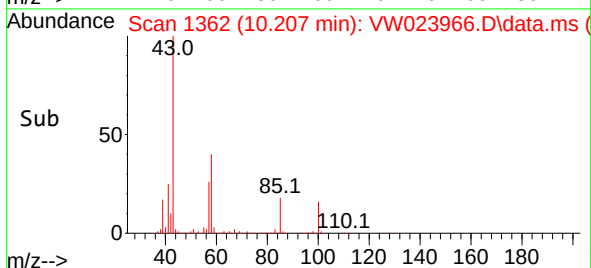
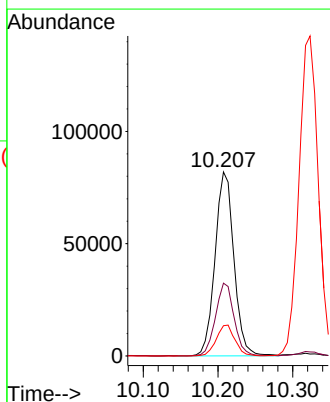
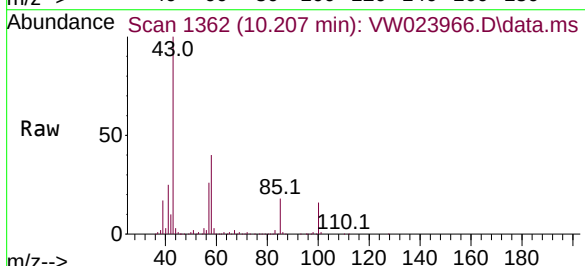
Tgt Ion: 43 Resp: 144130

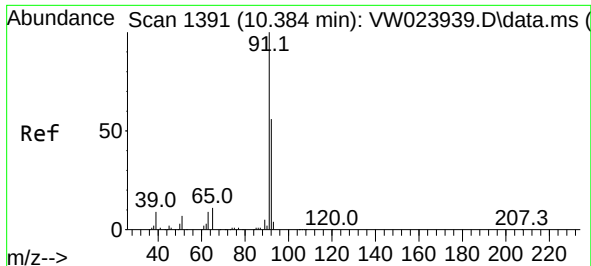
Ion Ratio Lower Upper

43 100

58 39.2 29.8 44.8

100 16.6 13.0 19.4

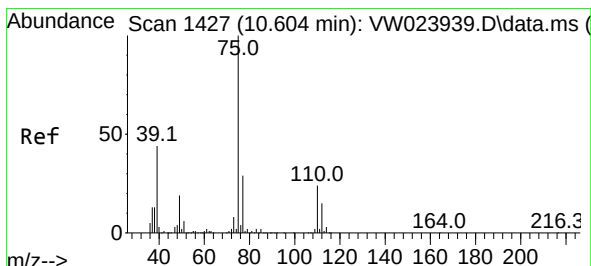
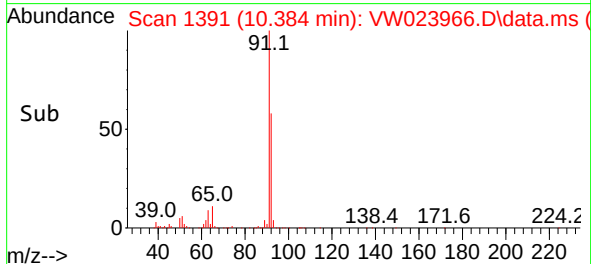
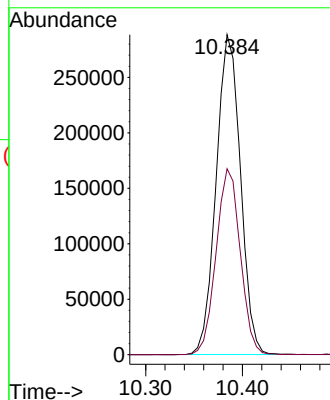
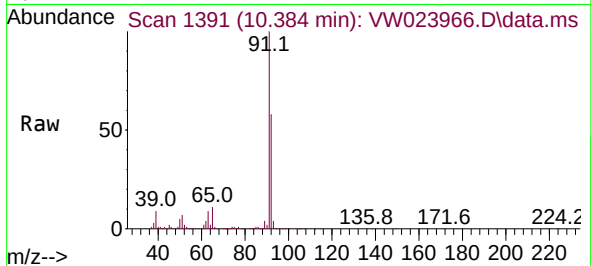




#42  
Toluene  
Concen: 26.869 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

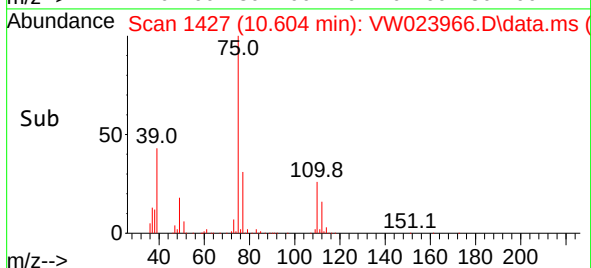
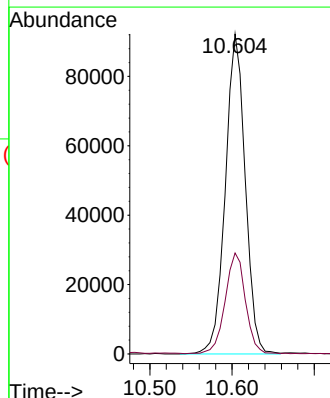
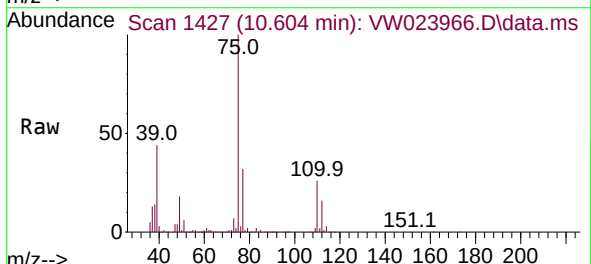
Instrument :  
MSVOA\_W  
ClientSampleId :

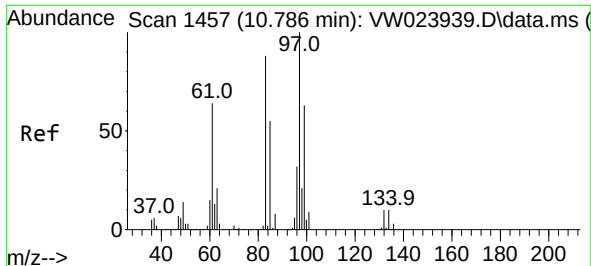
Tgt Ion: 91 Resp: 502400  
Ion Ratio Lower Upper  
91 100  
92 58.1 39.9 74.1



#44  
trans-1,3-Dichloropropene  
Concen: 26.264 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 75 Resp: 154657  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.0 41.0

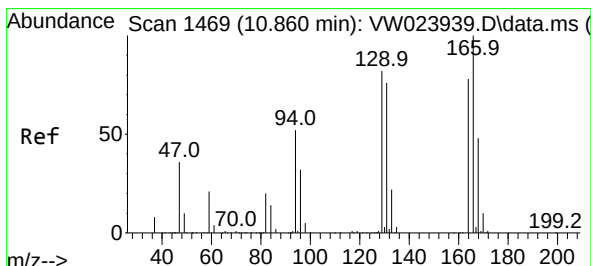
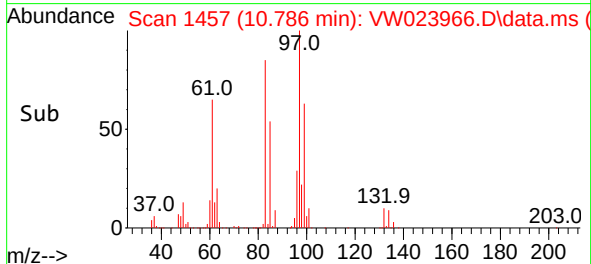
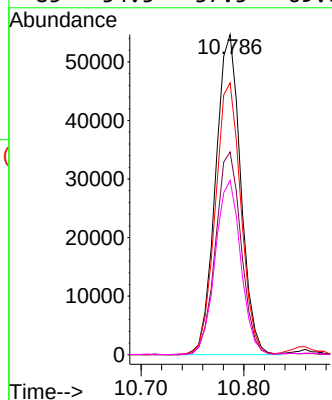
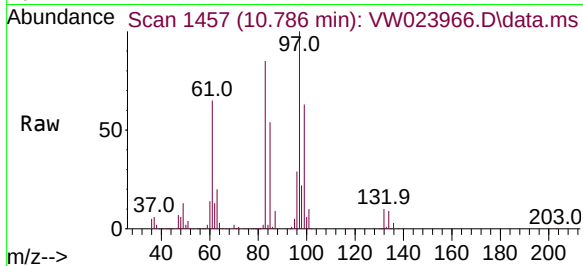




#45  
1,1,2-Trichloroethane  
Concen: 25.838 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

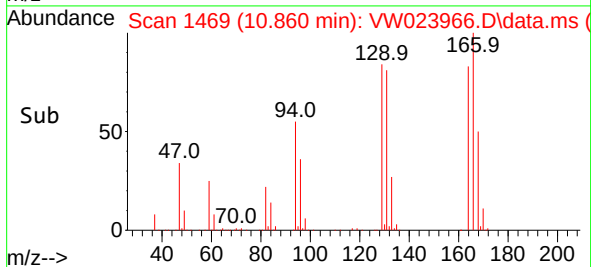
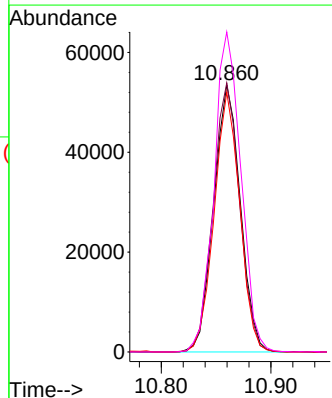
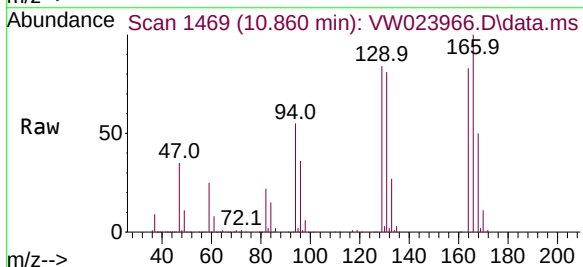
Instrument :  
MSVOA\_W  
ClientSampleId :

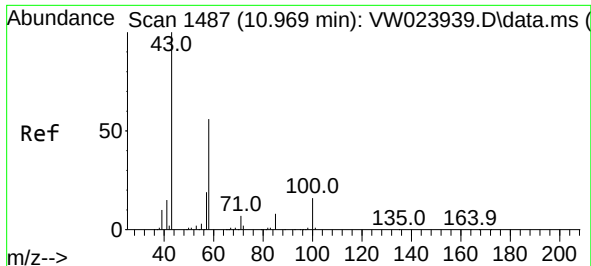
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 92866 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.3     | 44.2 82.2   |
| 83 84.9     | 59.8 111.0  |
| 85 54.5     | 37.5 69.6   |



#46  
Tetrachloroethene  
Concen: 27.006 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

|              |             |
|--------------|-------------|
| Tgt Ion: 164 | Resp: 90408 |
| Ion Ratio    | Lower Upper |
| 164 100      |             |
| 129 100.8    | 72.4 134.5  |
| 131 97.2     | 67.8 125.8  |
| 166 119.8    | 88.9 165.1  |

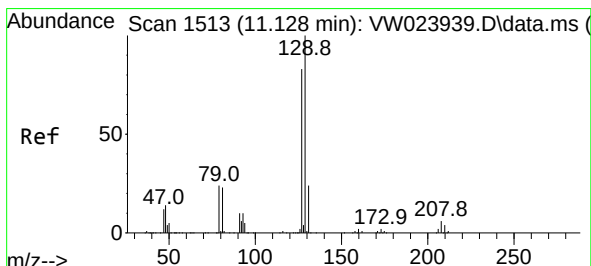
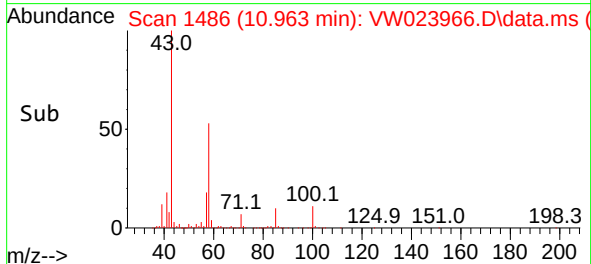
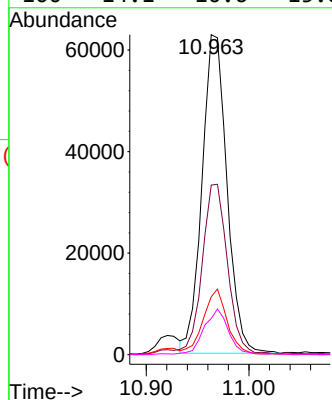
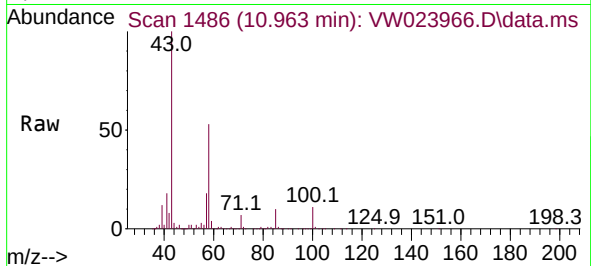




#48  
2-Hexanone  
Concen: 50.922 ug/L  
RT: 10.963 min Scan# 1487  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

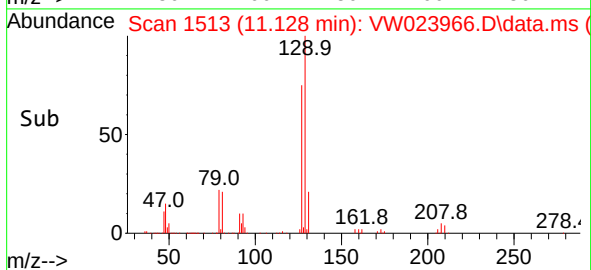
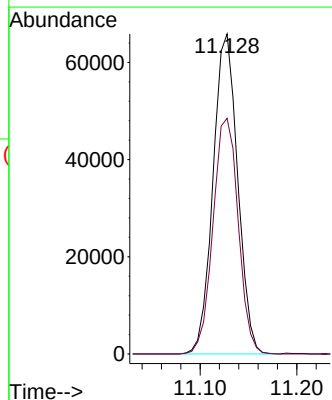
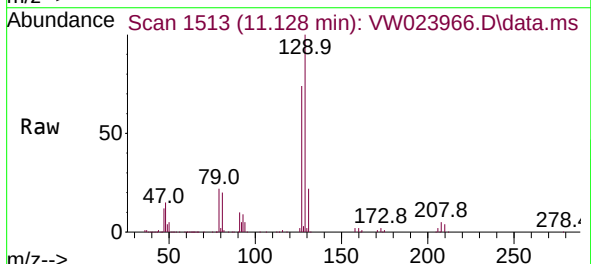
Instrument :  
MSVOA\_W  
ClientSampleId :

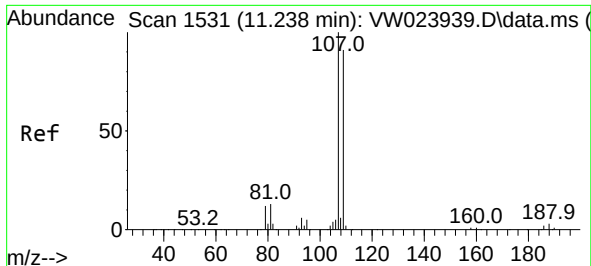
Tgt Ion: 43 Resp: 106047  
Ion Ratio Lower Upper  
43 100  
58 54.2 41.6 62.4  
57 19.9 14.6 21.8  
100 14.1 10.6 15.8



#49  
Dibromochloromethane  
Concen: 27.931 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion: 129 Resp: 116421  
Ion Ratio Lower Upper  
129 100  
127 73.6 53.7 99.7

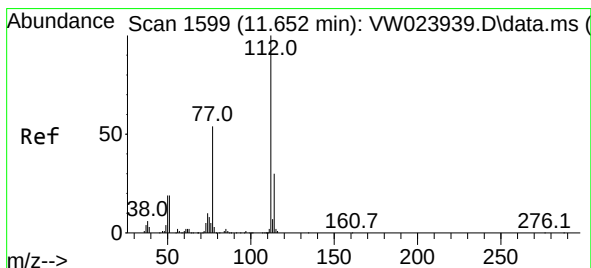
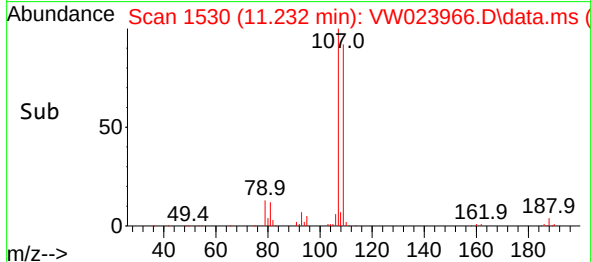
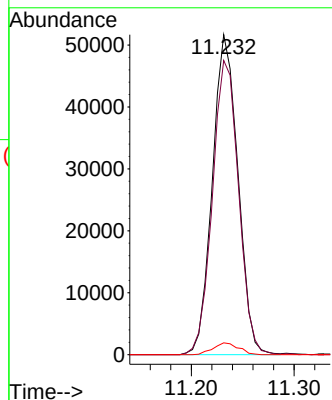
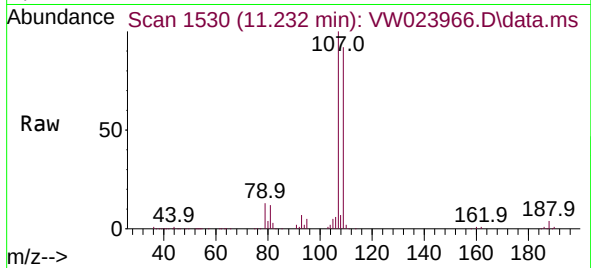




#50  
1,2-Dibromoethane  
Concen: 25.837 ug/L  
RT: 11.232 min Scan# 1531  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

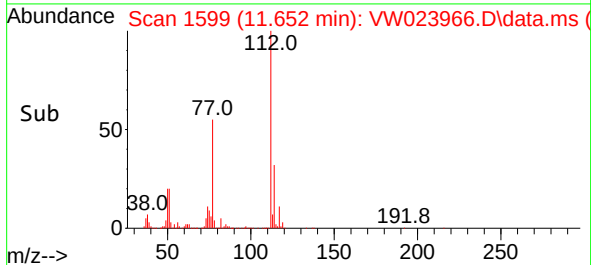
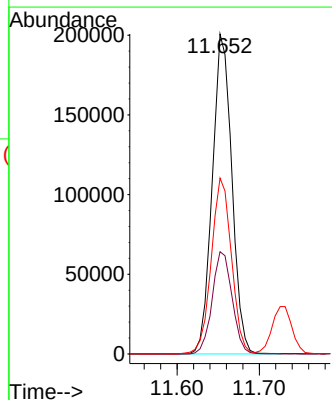
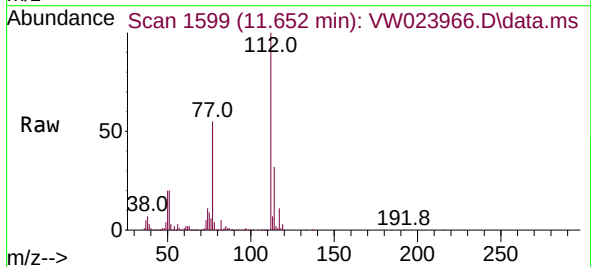
Instrument :  
MSVOA\_W  
ClientSampleId :

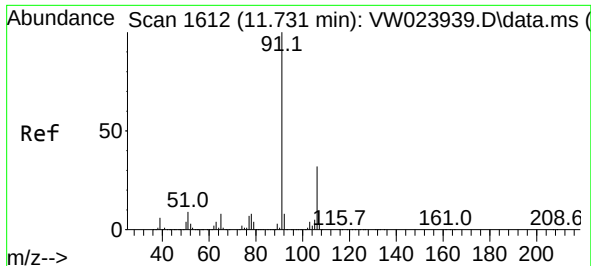
Tgt Ion:107 Resp: 89216  
Ion Ratio Lower Upper  
107 100  
109 91.9 62.4 116.0  
188 3.7 2.3 3.5#



#51  
Chlorobenzene  
Concen: 26.302 ug/L  
RT: 11.652 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:112 Resp: 331685  
Ion Ratio Lower Upper  
112 100  
114 31.9 21.1 39.3  
77 55.0 46.6 69.8

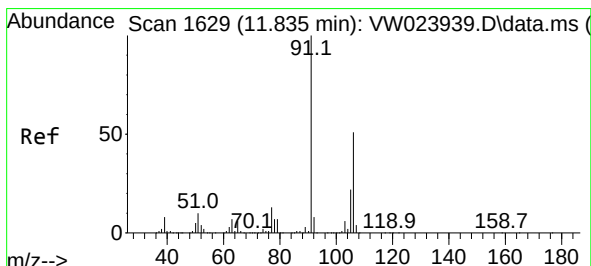
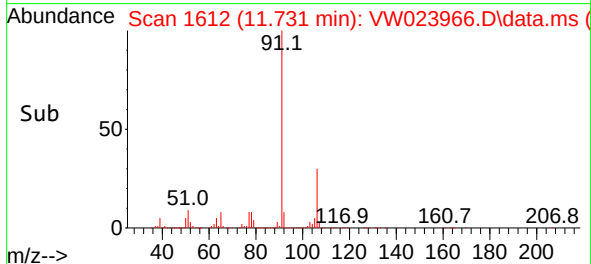
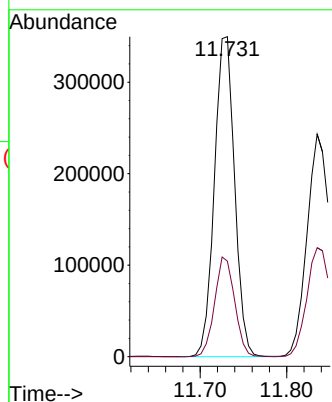
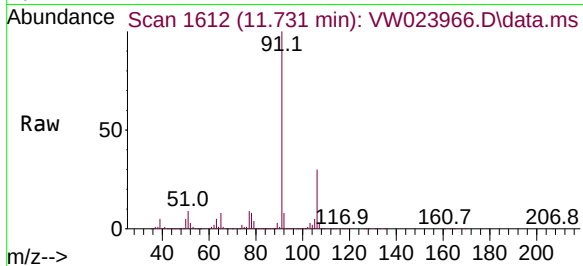




#52  
Ethylbenzene  
Concen: 26.706 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

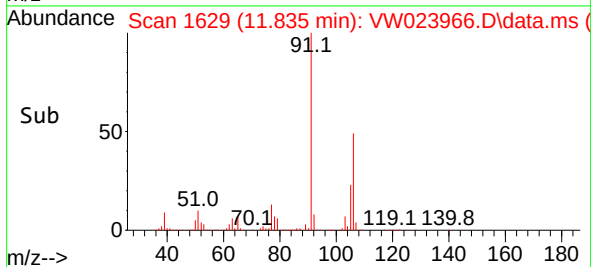
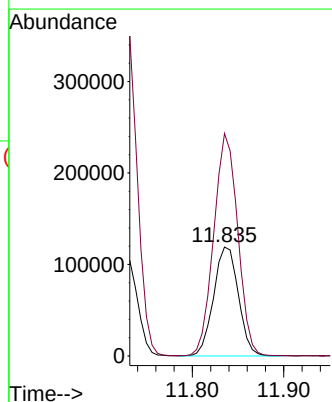
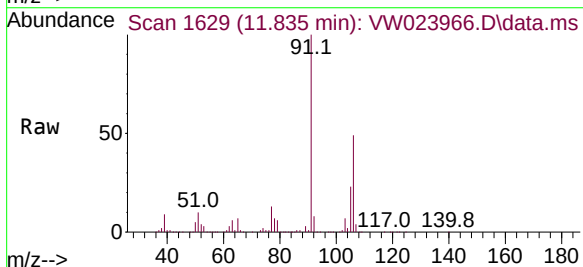
Instrument :  
MSVOA\_W  
ClientSampleId :

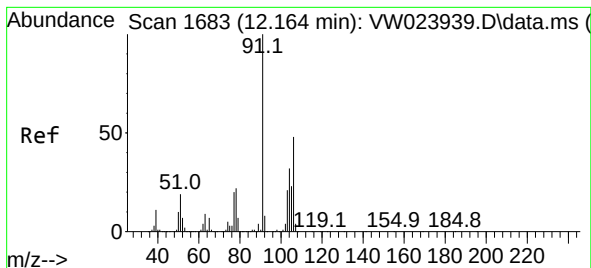
Tgt Ion: 91 Resp: 567458  
Ion Ratio Lower Upper  
91 100  
106 29.9 22.5 41.9



#53  
m,p-Xylene  
Concen: 27.080 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:106 Resp: 224496  
Ion Ratio Lower Upper  
106 100  
91 204.1 142.8 265.2

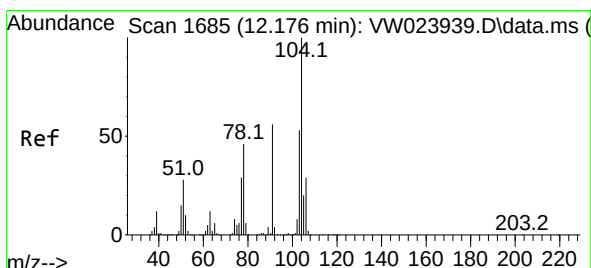
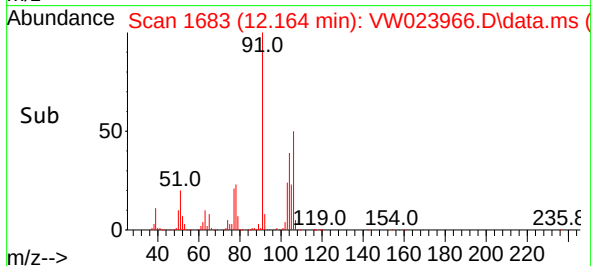
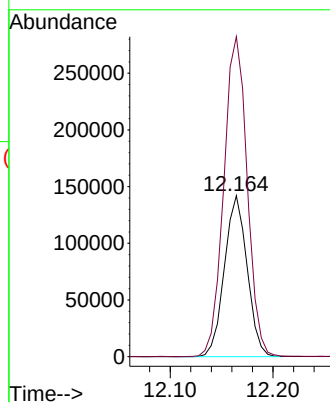
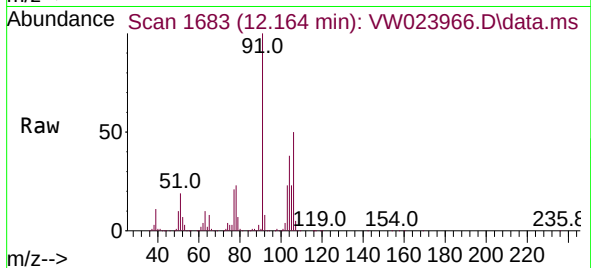




#54  
o-Xylene  
Concen: 27.380 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

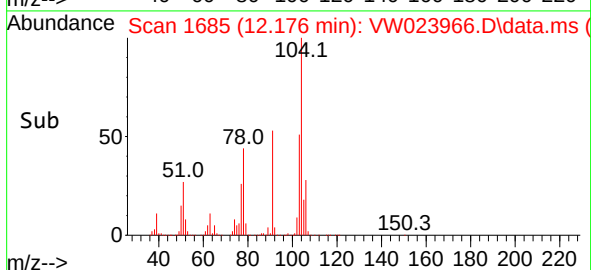
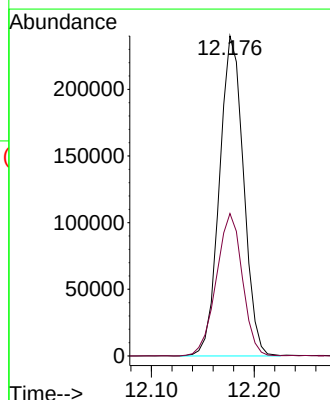
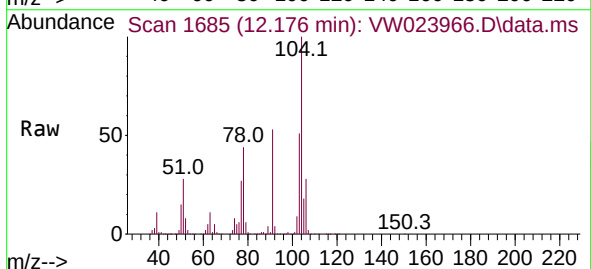
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 217988  
Ion Ratio Lower Upper  
106 100  
91 198.7 149.6 277.8

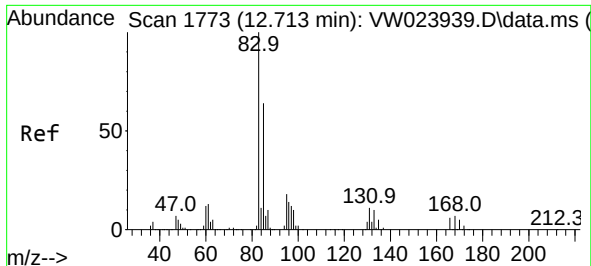


#55  
Styrene  
Concen: 27.769 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:104 Resp: 390570  
Ion Ratio Lower Upper  
104 100  
78 44.5 34.3 63.7



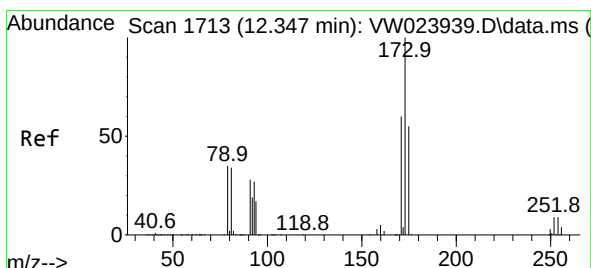
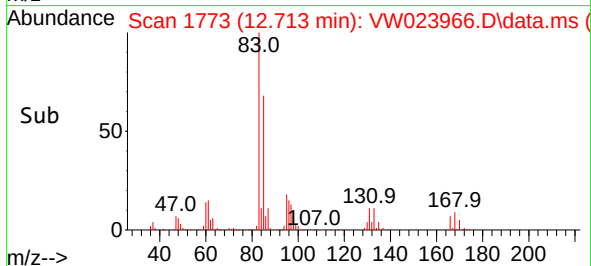
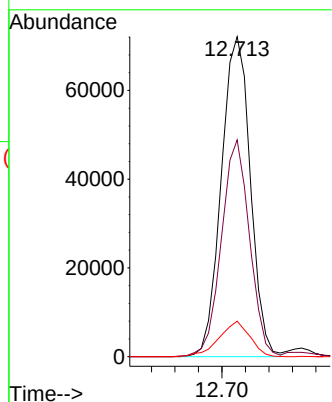
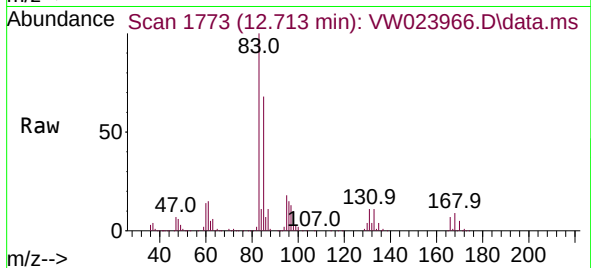




#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.249 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

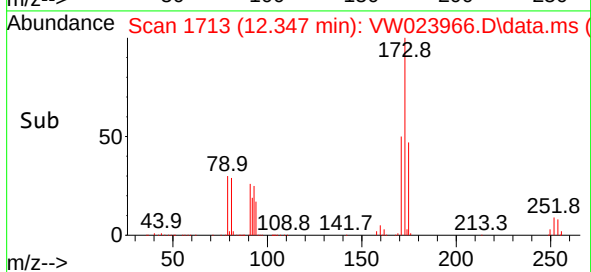
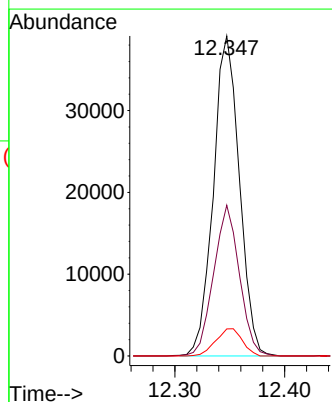
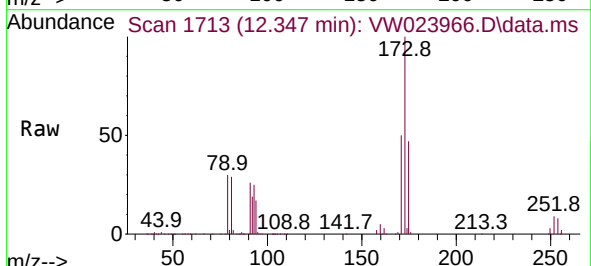
Instrument :  
MSVOA\_W  
ClientSampleId :

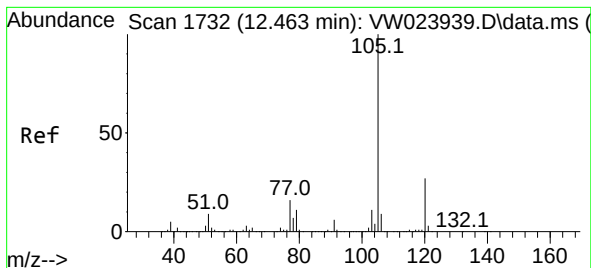
Tgt Ion: 83 Resp: 123784  
Ion Ratio Lower Upper  
83 100  
85 67.8 46.5 86.3  
131 11.1 7.4 11.0#



#59  
Bromoform  
Concen: 26.168 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:173 Resp: 64547  
Ion Ratio Lower Upper  
173 100  
175 46.6 38.9 58.3  
254 8.7 5.9 8.9





#60

Isopropylbenzene

Concen: 26.466 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023966.D

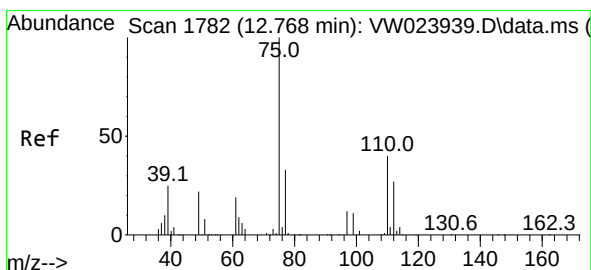
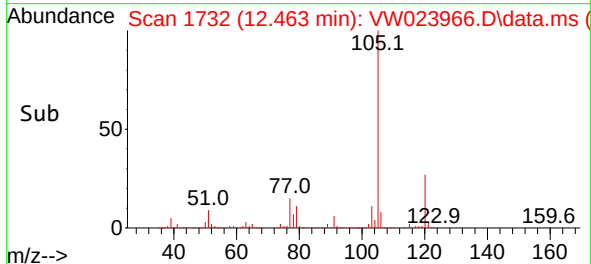
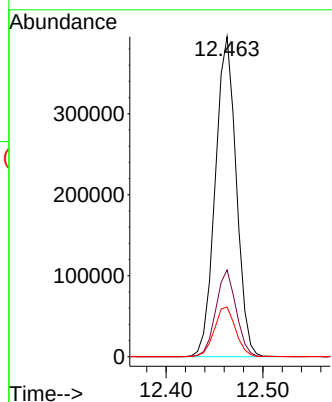
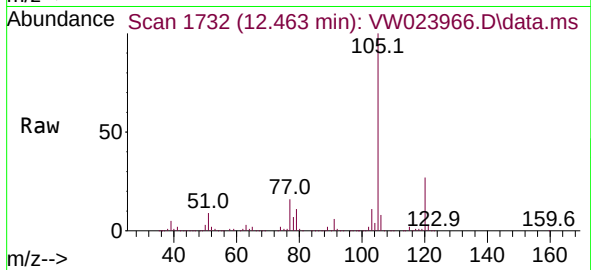
Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 594697 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.3  | 20.7  | 31.1   |
| 77        | 15.8  | 13.2  | 19.8   |



#61

1,2,3-Trichloropropane

Concen: 23.641 ug/L

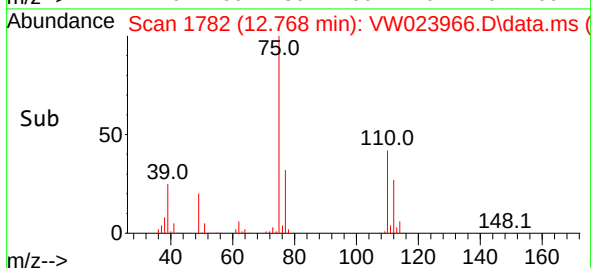
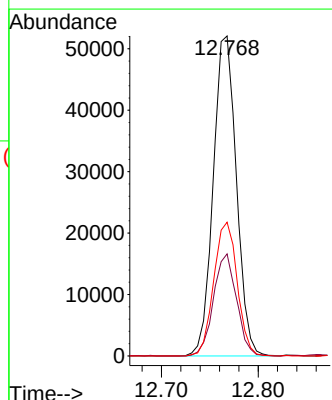
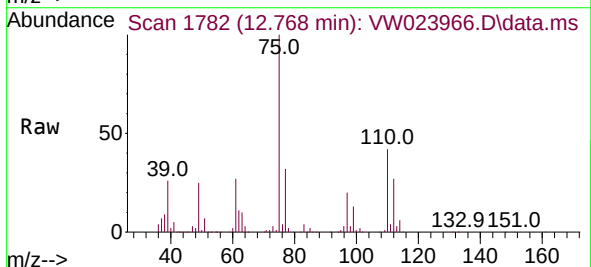
RT: 12.768 min Scan# 1782

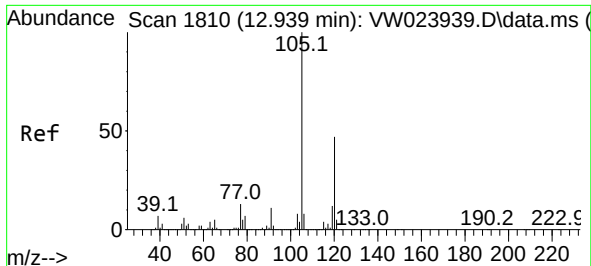
Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

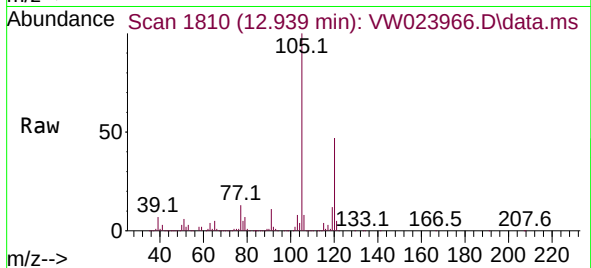
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 86712 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.8  | 25.0  | 37.4  |
| 110       | 42.3  | 31.9  | 47.9  |



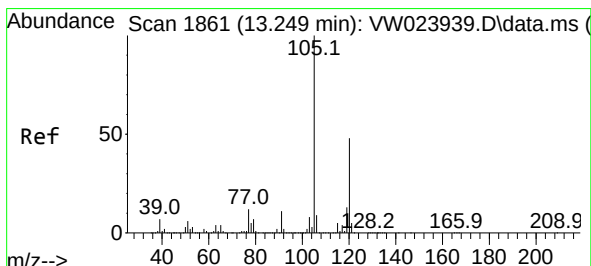
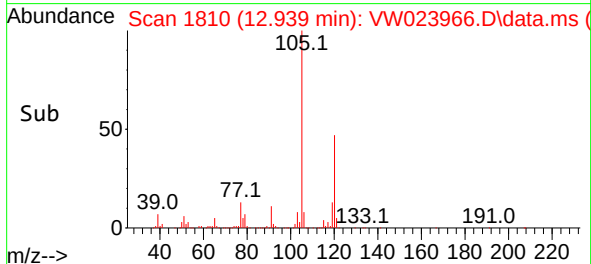
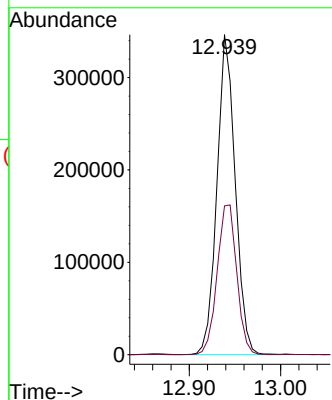


#62  
1,3,5-Trimethylbenzene  
Concen: 26.141 ug/L  
RT: 12.939 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Instrument :  
MSVOA\_W  
ClientSampleId :

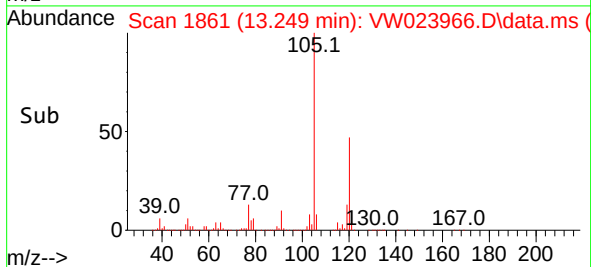
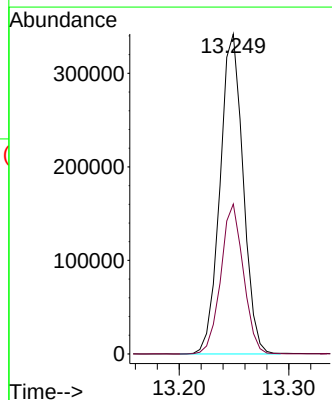
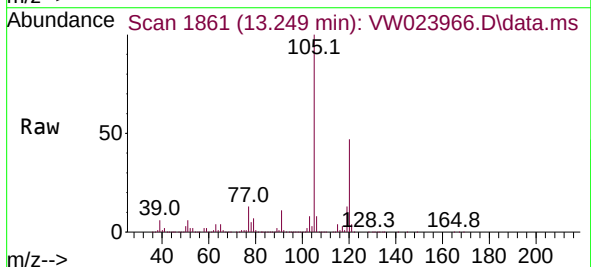


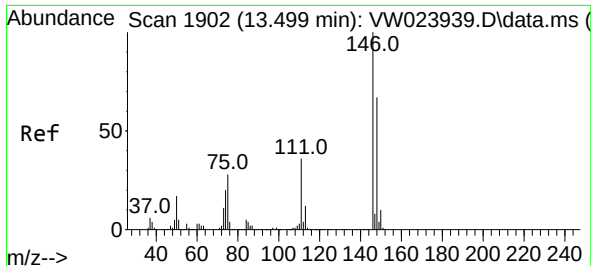
Tgt Ion:105 Resp: 480903  
Ion Ratio Lower Upper  
105 100  
120 50.4 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 27.242 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:105 Resp: 501062  
Ion Ratio Lower Upper  
105 100  
120 45.7 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 26.978 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

ClientSampleId :

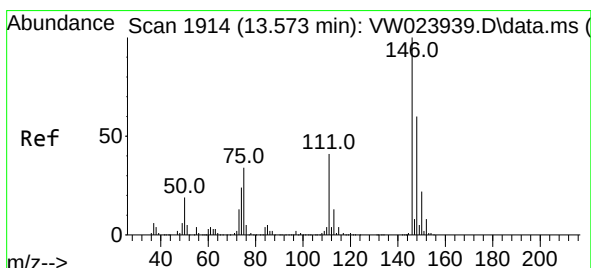
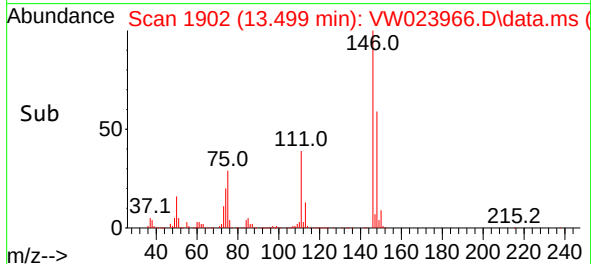
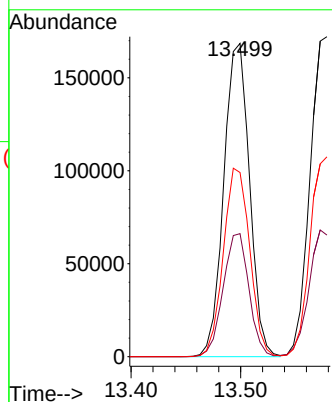
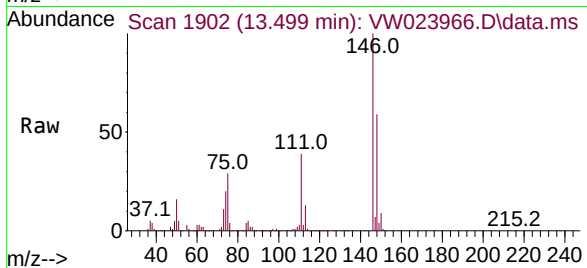
Tgt Ion:146 Resp: 275240

Ion Ratio Lower Upper

146 100

111 39.3 28.6 53.2

148 58.8 41.2 76.4



#65

1,4-Dichlorobenzene

Concen: 26.302 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

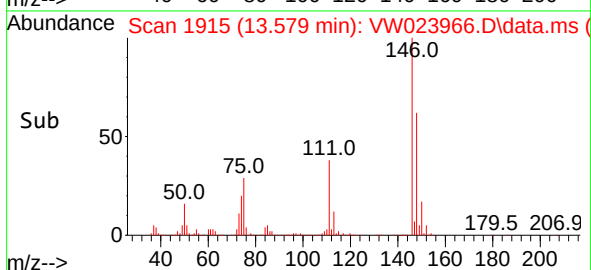
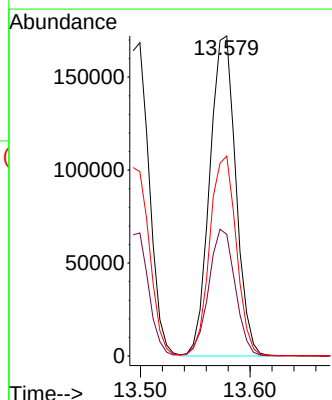
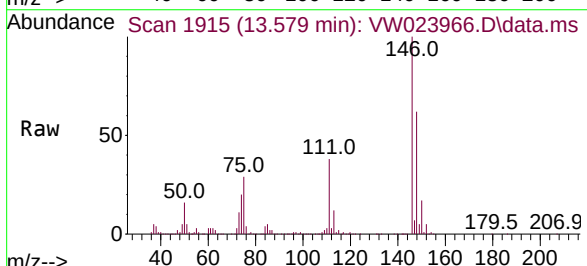
Tgt Ion:146 Resp: 285483

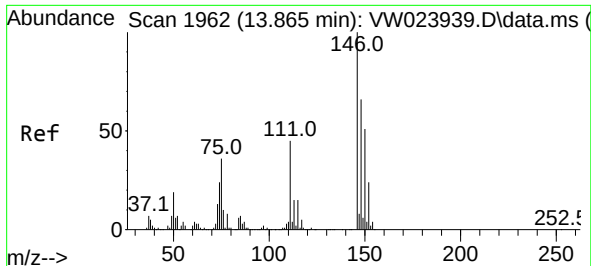
Ion Ratio Lower Upper

146 100

111 38.0 29.4 54.6

148 62.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 26.859 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

Instrument :

MSVOA\_W

ClientSampleId :

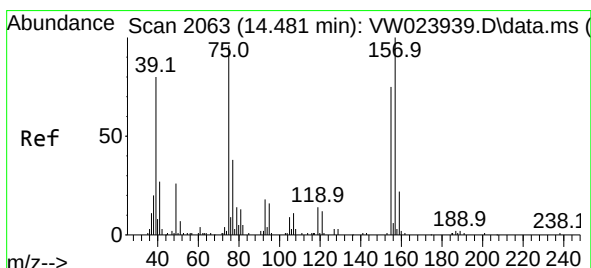
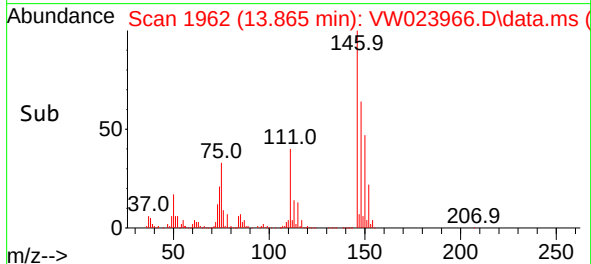
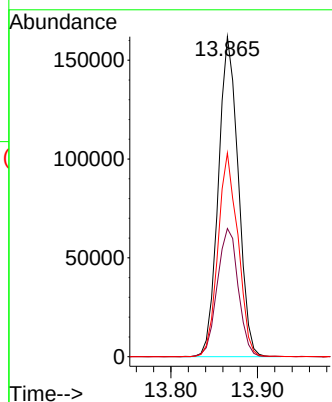
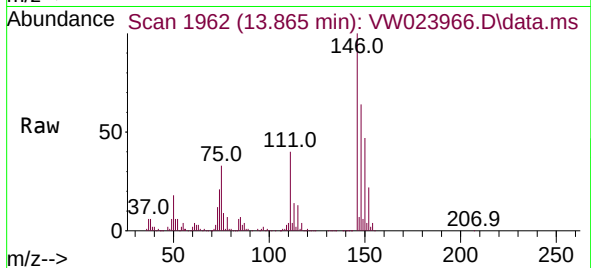
Tgt Ion:146 Resp: 258434

Ion Ratio Lower Upper

146 100

111 40.0 35.9 53.9

148 63.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 21.234 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023966.D

Acq: 21 Jul 2022 08:18

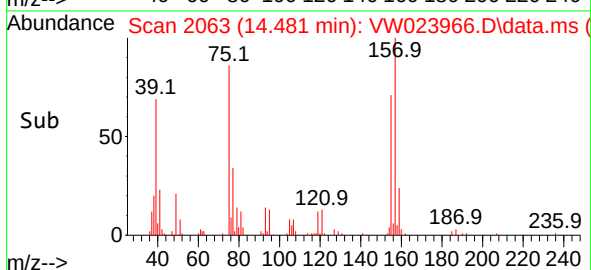
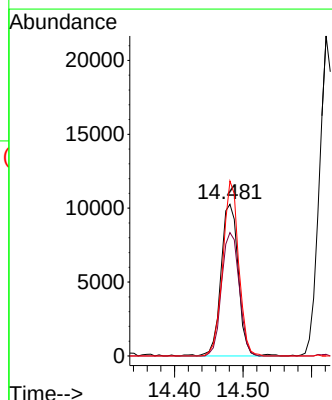
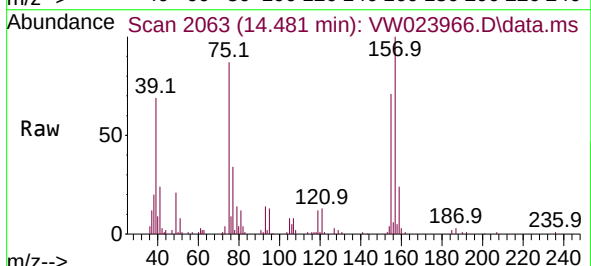
Tgt Ion: 75 Resp: 17964

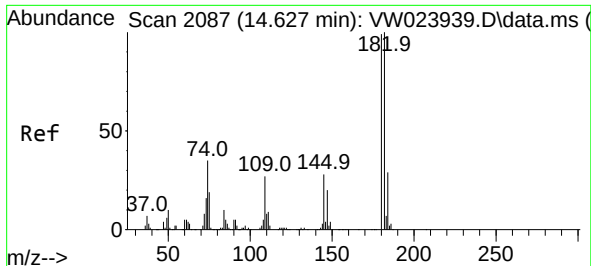
Ion Ratio Lower Upper

75 100

155 81.3 51.7 77.5#

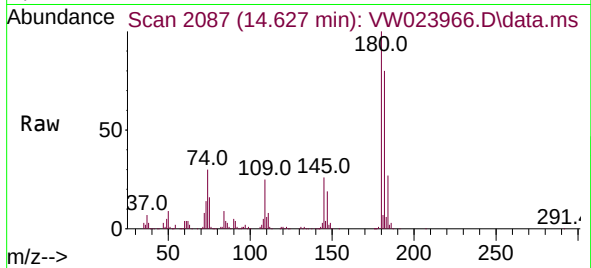
157 115.3 63.5 95.3#



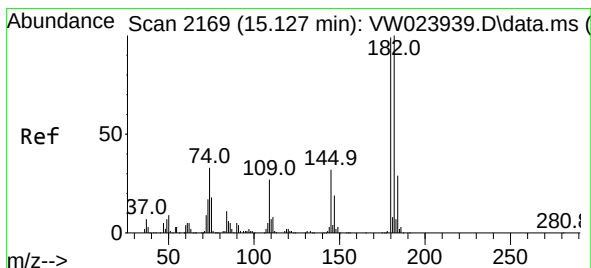
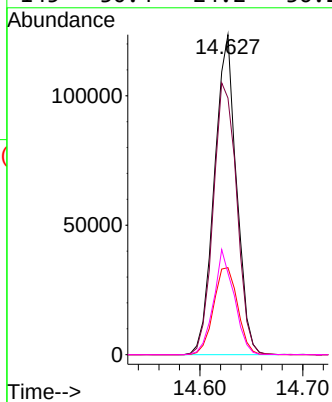
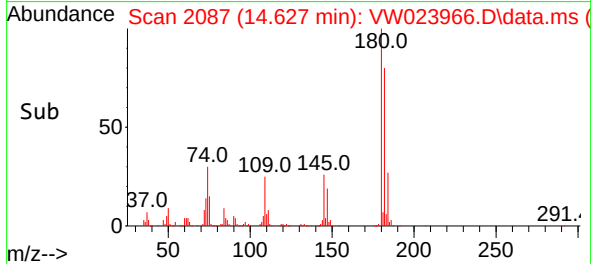


#69  
 1,3,5-Trichlorobenzene  
 Concen: 27.317 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. 0.000 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18

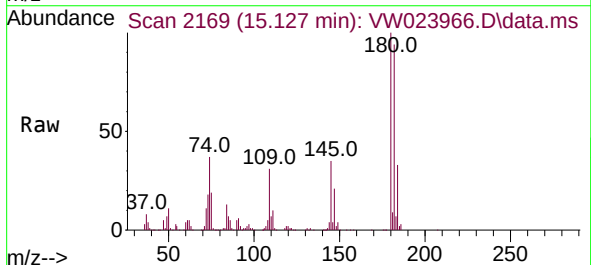
Instrument :  
 MSVOA\_W  
 ClientSampleId :



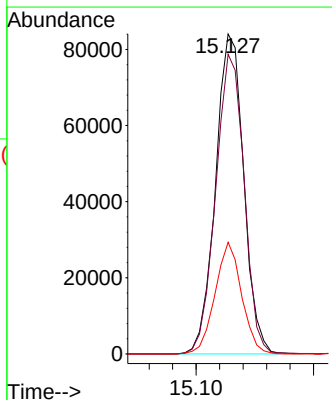
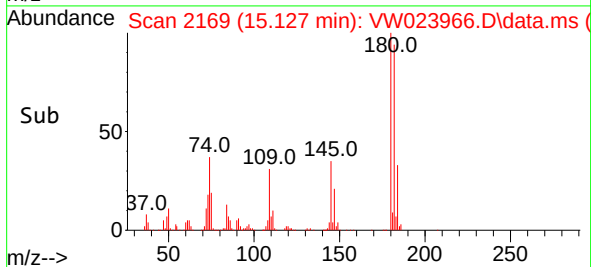
Tgt Ion:180 Resp: 184468  
 Ion Ratio Lower Upper  
 180 100  
 182 90.3 70.2 105.2  
 184 29.6 22.6 34.0  
 145 30.4 24.2 36.2

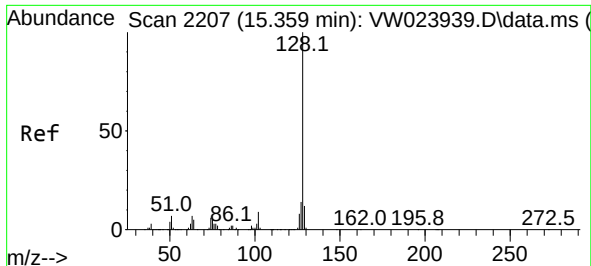


#70  
 1,2,4-trichlorobenzene  
 Concen: 26.877 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. 0.000 min  
 Lab File: VW023966.D  
 Acq: 21 Jul 2022 08:18



Tgt Ion:180 Resp: 140147  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 77.5 116.3  
 145 32.9 26.3 39.5

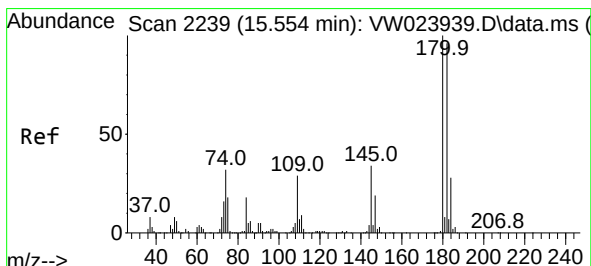
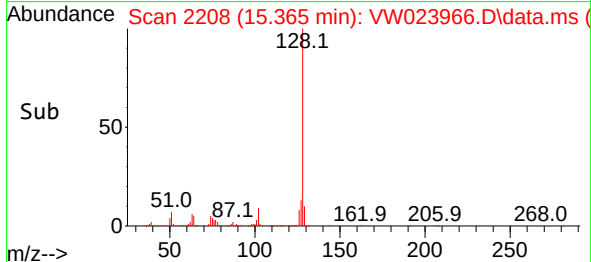
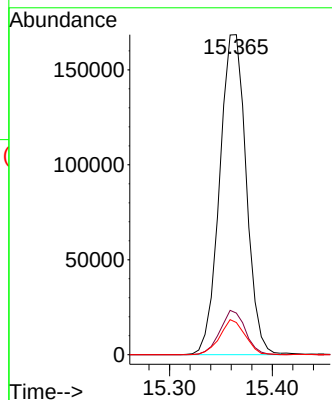
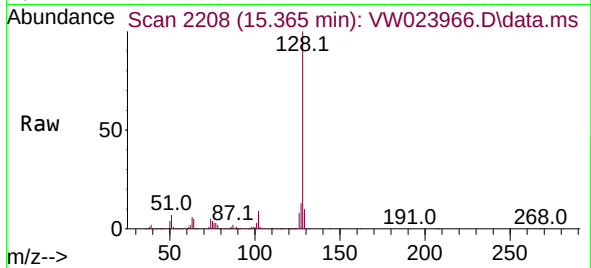




#71  
Naphthalene  
Concen: 27.001 ug/L  
RT: 15.365 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 302021  
Ion Ratio Lower Upper  
128 100  
127 13.2 11.0 16.4  
129 10.4 9.0 13.4



#72  
1,2,3-Trichlorobenzene  
Concen: 27.099 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. -0.006 min  
Lab File: VW023966.D  
Acq: 21 Jul 2022 08:18

Tgt Ion:180 Resp: 131707  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.3 114.5  
145 33.8 27.8 41.6

