

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101821\  
 Data File : VW020569.D  
 Acq On : 18 Oct 2021 17:45  
 Operator : SY/VA  
 Sample : M4211-18MS  
 Misc : 4.52g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 19 05:44:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 19 05:41:45 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 210357   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 200635   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 108824   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 67047    | 21.904   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.600%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 34868    | 21.565   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 135793   | 21.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.600%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 46843    | 50.286   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.580% |
| 24) Chloroform-d              | 7.647  | 84    | 161760   | 24.124   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.480%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 91196    | 23.813   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.240%  |
| 32) Benzene-d6                | 8.275  | 84    | 300675   | 22.783   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 91.120%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 98383    | 22.873   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.480%  |
| 41) Toluene-d8                | 10.323 | 98    | 269080   | 22.724   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 90.880%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 39784    | 22.761   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.040%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 33207    | 50.186   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 76980    | 23.677   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 92146    | 21.646   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 37938    | 27.909   | ug/L   | 99       |
| 3) Chloromethane              | 2.215  | 50    | 62798    | 22.218   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 85016    | 21.386   | ug/L   | 97       |
| 6) Bromomethane               | 2.770  | 94    | 33662    | 19.496   | ug/L   | 93       |
| 8) Chloroethane               | 2.916  | 64    | 27334    | 18.621   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 34574    | 15.286   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 71926    | 22.297   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 65068    | 22.000   | ug/L   | 92       |
| 13) Acetone                   | 4.129  | 43    | 45310    | 52.979   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.379  | 76    | 191866   | 19.944   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 35960    | 22.641   | ug/L   | 98       |
| 16) Methylene chloride        | 4.916  | 84    | 77943    | 19.060   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 68370    | 22.033   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 101566   | 23.232   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 146268   | 22.993   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 74981    | 23.247   | ug/L   | 100      |
| 22) 2-Butanone                | 7.177  | 43    | 51258    | 47.880   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.513  | 128   | 31828    | 22.499   | ug/L   | 95       |
| 25) Chloroform                | 7.677  | 83    | 144639   | 23.388   | ug/L   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Oct 19 05:44:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 19 05:41:45 2021  
 Response via : Initial Calibration

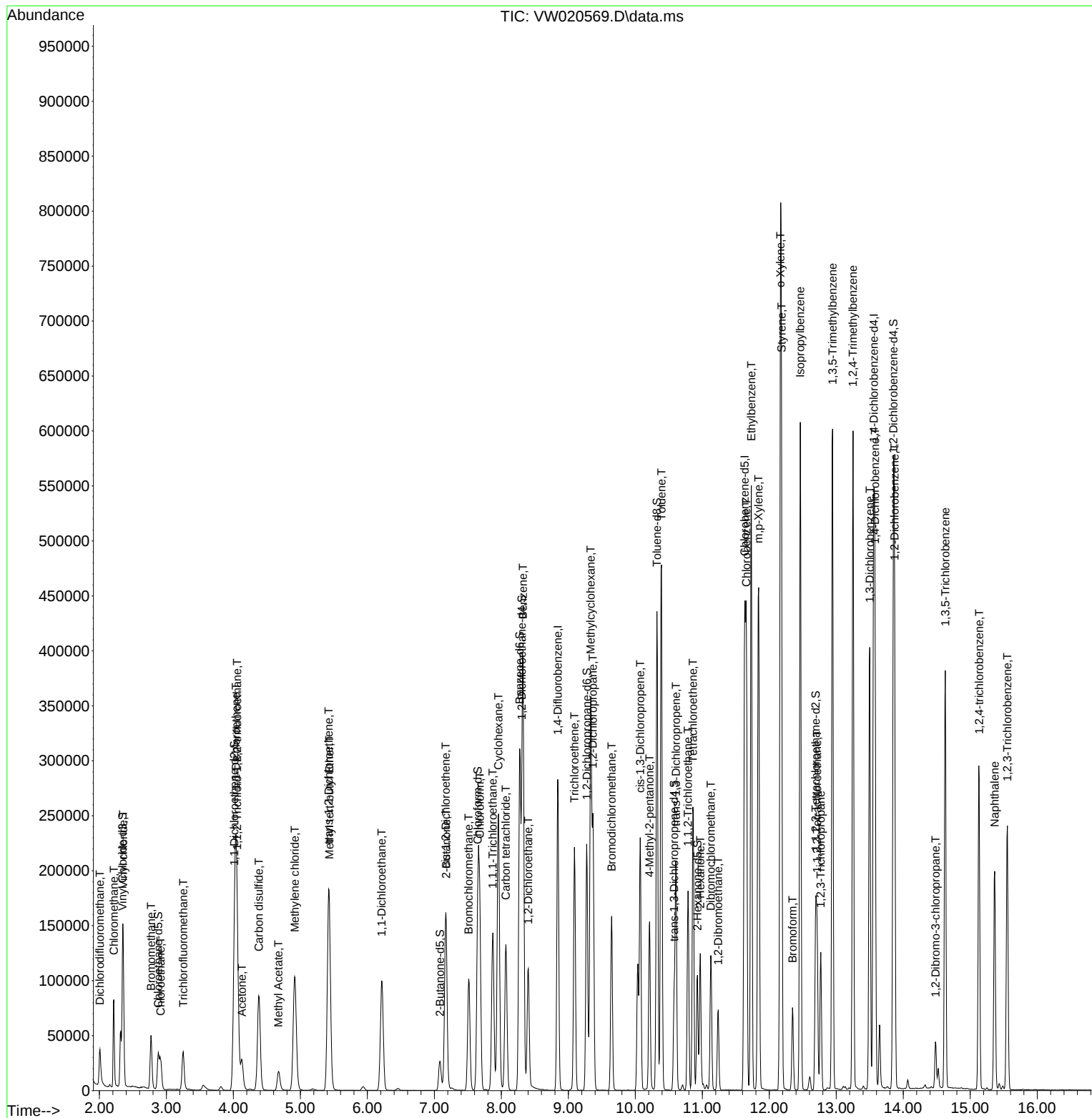
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 97993    | 23.167 | ug/L  | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 132243   | 22.513 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 110422   | 22.154 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 96742    | 22.076 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 319980   | 22.391 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 75597    | 21.473 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 130017   | 21.580 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 84464    | 22.824 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 101362   | 22.845 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 119988   | 23.500 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 104751   | 47.160 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 333097   | 23.238 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 106352   | 23.628 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 54329    | 22.865 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 55446    | 21.926 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 80615    | 49.467 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 60416    | 23.079 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 48267    | 22.115 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 197123   | 22.301 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 367035   | 23.613 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 134491   | 23.352 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 128632   | 24.185 | ug/L  | 93       |
| 55) Styrene                   | 12.183 | 104  | 229403   | 24.668 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 66207    | 22.476 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 32179    | 21.108 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 358220   | 22.427 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 49471    | 20.635 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 304115   | 23.320 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 302579   | 23.424 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 152879   | 22.121 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 149594   | 20.927 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 140618   | 22.209 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11029    | 21.658 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 104862   | 21.279 | ug/L  | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 87825    | 22.507 | ug/L  | 97       |
| 71) Naphthalene               | 15.365 | 128  | 157466   | 22.445 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 75001    | 21.884 | ug/L  | 98       |

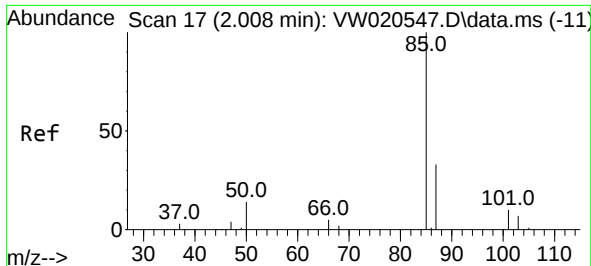
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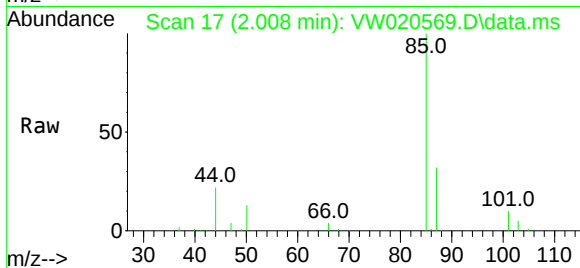
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Oct 19 05:41:45 2021  
Response via : Initial Calibration



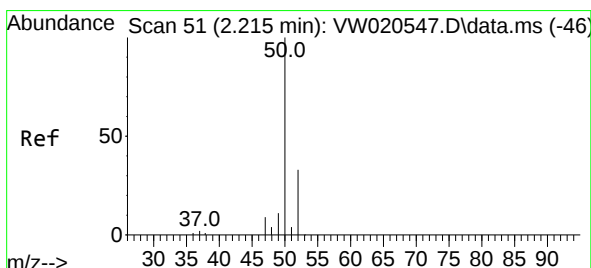
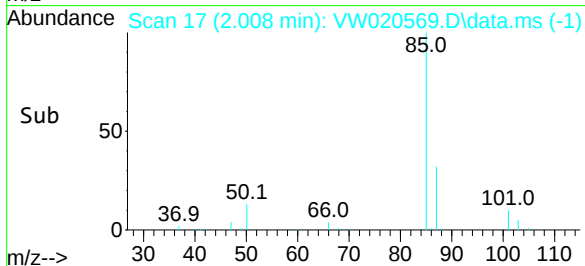
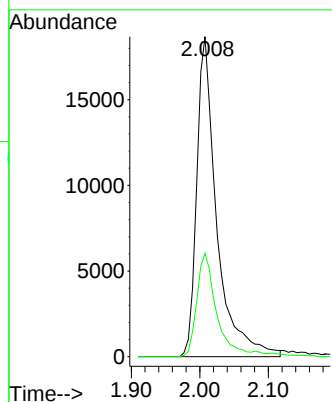


#2  
 Dichlorodifluoromethane  
 Concen: 27.909 ug/L  
 RT: 2.008 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :

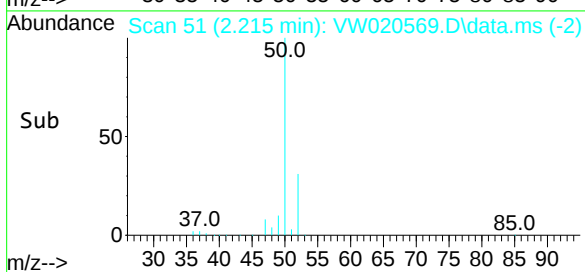
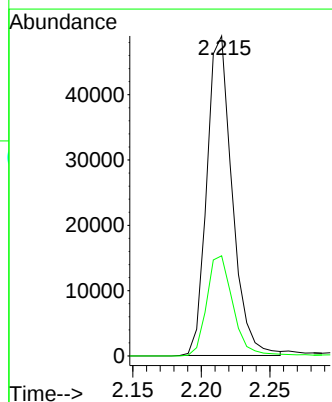
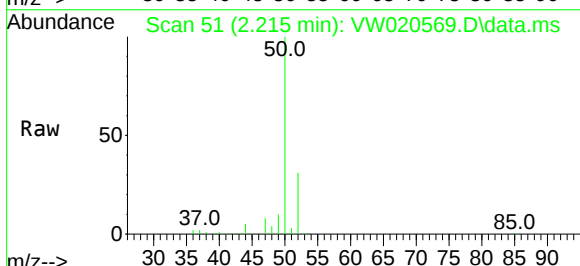


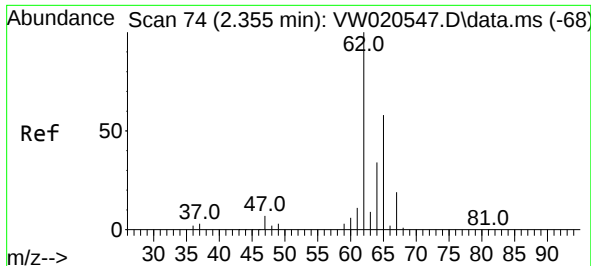
Tgt Ion: 85 Resp: 37938  
 Ion Ratio Lower Upper  
 85 100  
 87 31.4 24.9 37.3



#3  
 Chloromethane  
 Concen: 22.218 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

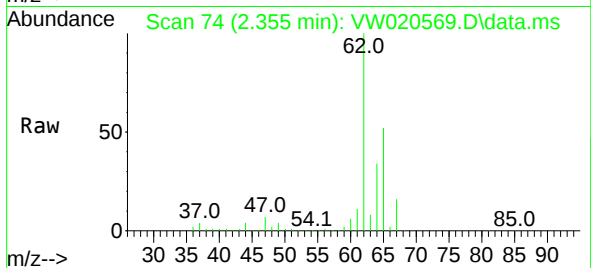
Tgt Ion: 50 Resp: 62798  
 Ion Ratio Lower Upper  
 50 100  
 52 31.3 21.5 39.9



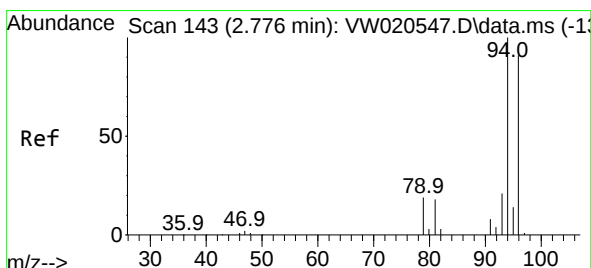
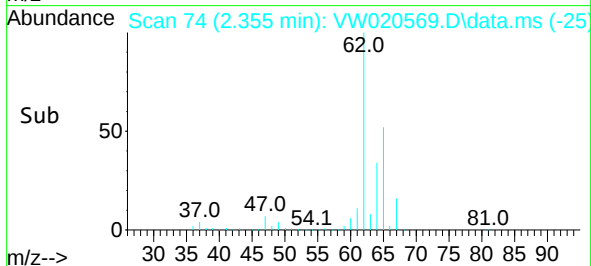
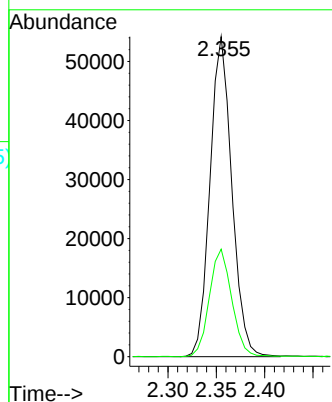


#5  
 Vinyl chloride  
 Concen: 21.386 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :

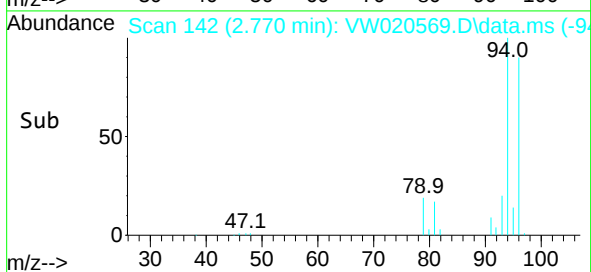
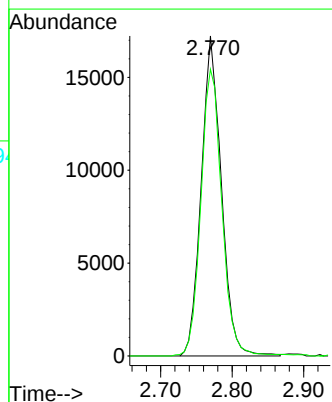
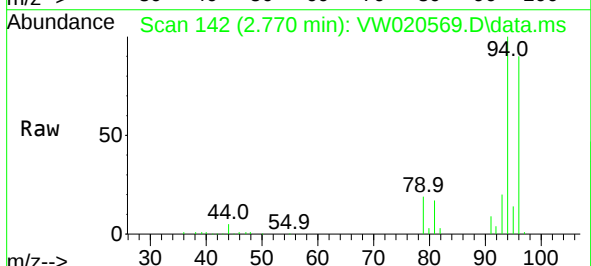


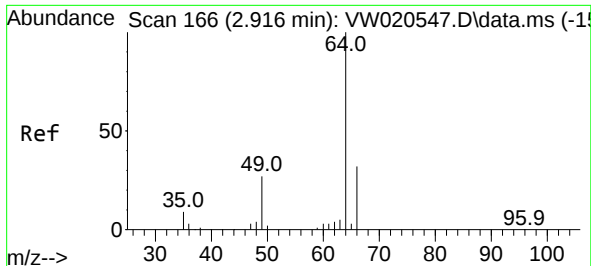
Tgt Ion: 62 Resp: 85016  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 24.6 45.6



#6  
 Bromomethane  
 Concen: 19.496 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. -0.006 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

Tgt Ion: 94 Resp: 33662  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 67.8 126.0

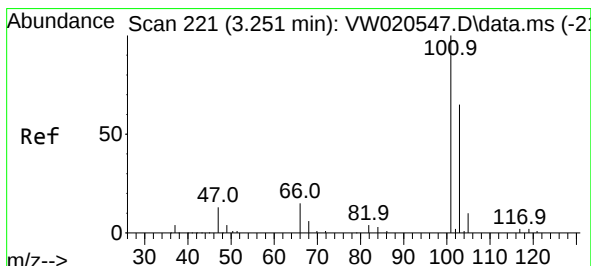
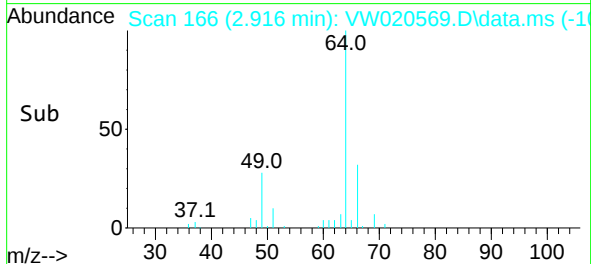
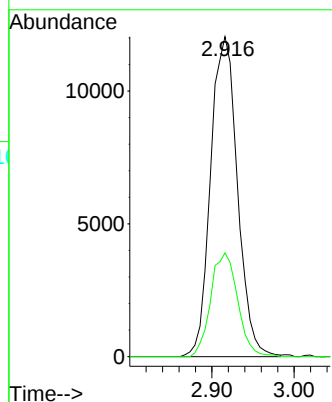
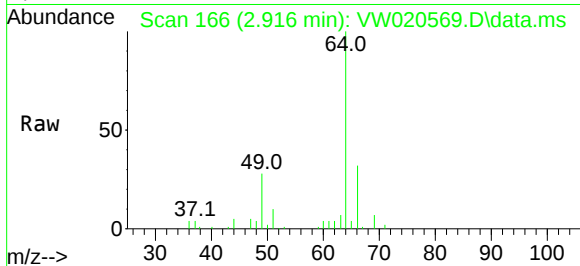




#8  
Chloroethane  
Concen: 18.621 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

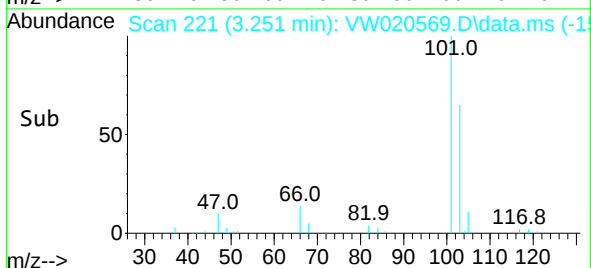
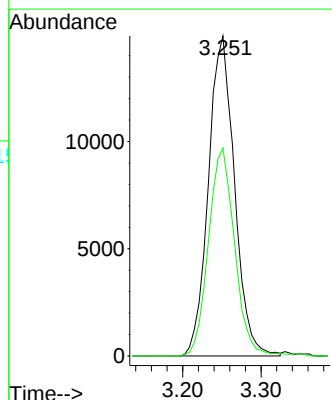
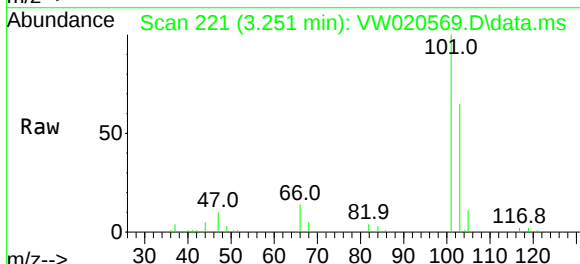
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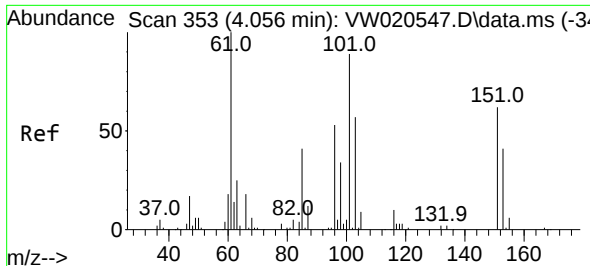
Tgt Ion: 64 Resp: 27334  
Ion Ratio Lower Upper  
64 100  
66 32.4 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 15.286 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion:101 Resp: 34574  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.2 78.4

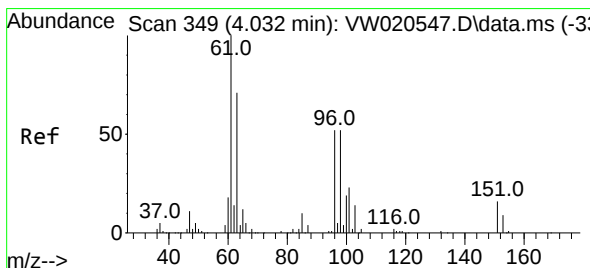
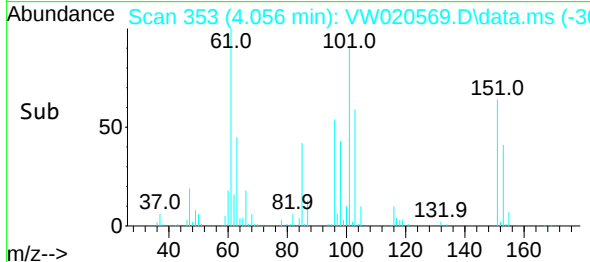
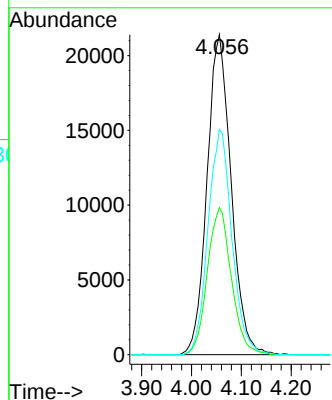
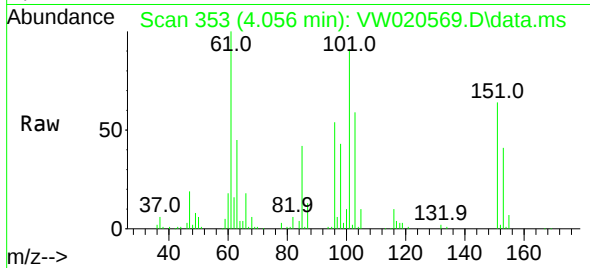




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.297 ug/L  
 RT: 4.056 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

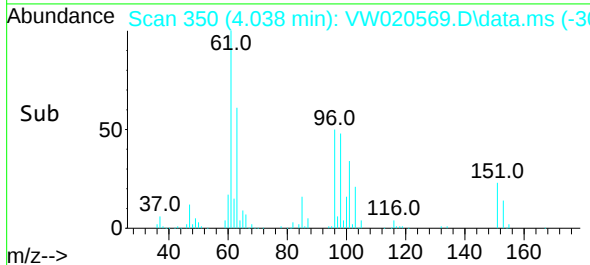
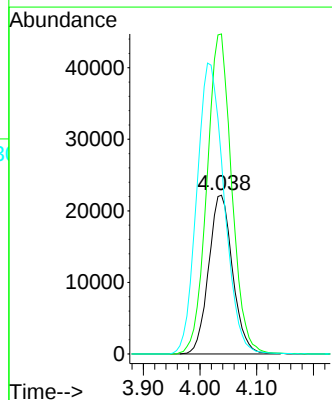
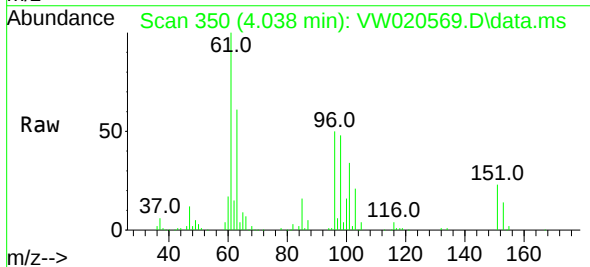
Instrument :  
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 ClientSampleId :

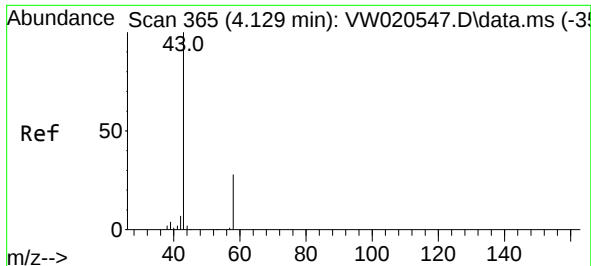
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 Ion Ratio Lower Upper  
 101 100  
 85 45.7 36.3 54.5  
 151 70.0 56.5 84.7



#12  
 1,1-Dichloroethene  
 Concen: 22.000 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.006 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

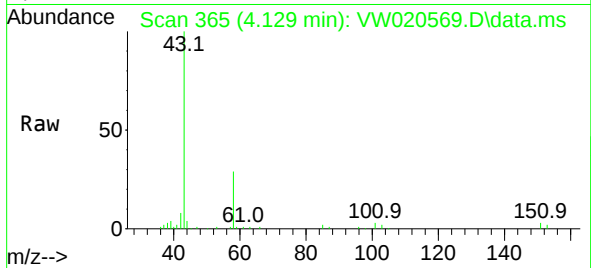
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 63 122.1 77.3 143.7



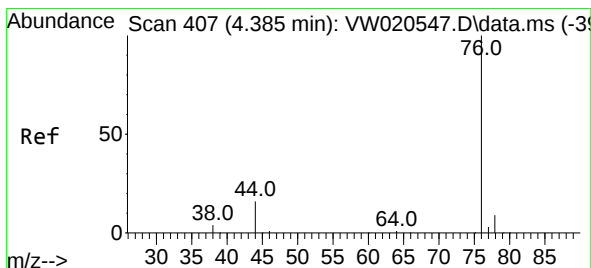
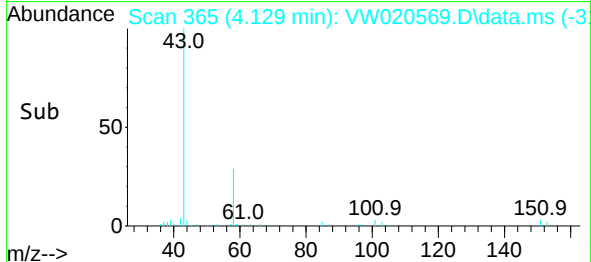
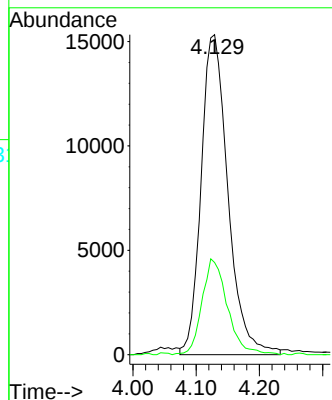


#13  
Acetone  
Concen: 52.979 ug/L  
RT: 4.129 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Instrument :  
MSVOA\_W  
ClientSampleId :

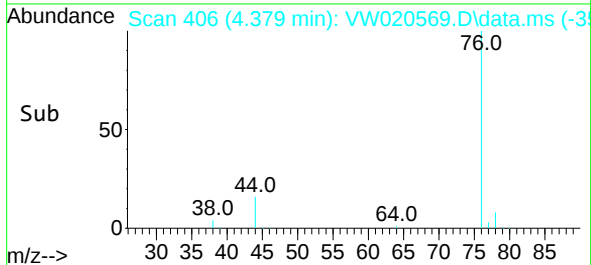
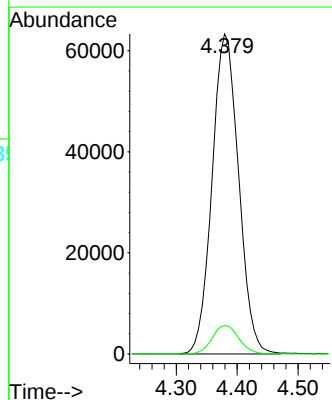
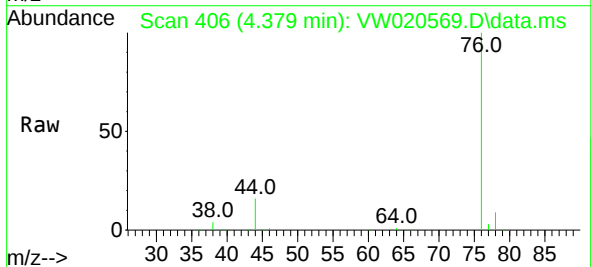


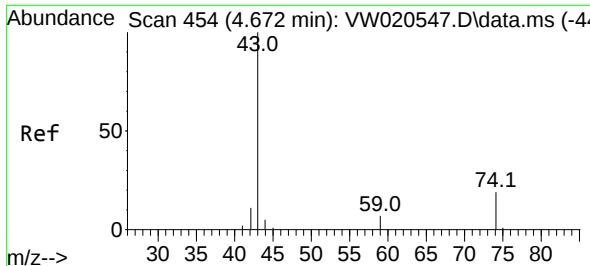
Tgt Ion: 43 Resp: 45310  
Ion Ratio Lower Upper  
43 100  
58 28.3 0.0 58.4



#14  
Carbon disulfide  
Concen: 19.944 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 76 Resp: 191866  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.2

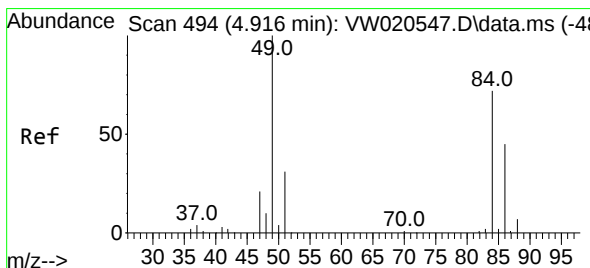
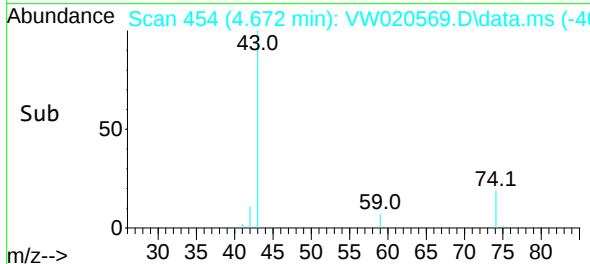
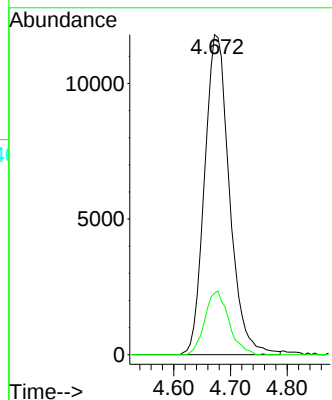
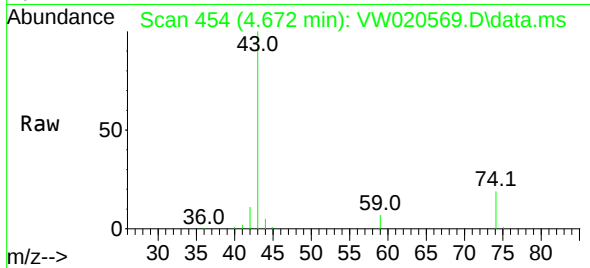




#15  
Methyl Acetate  
Concen: 22.641 ug/L  
RT: 4.672 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

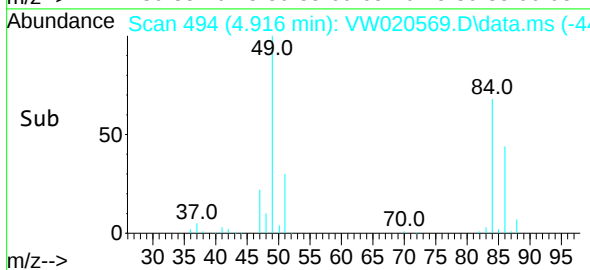
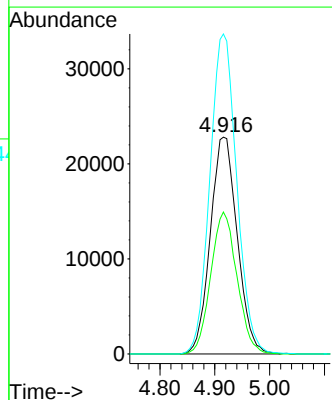
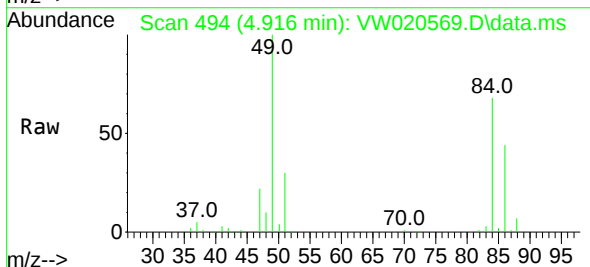
Instrument :  
MSVOA\_W  
ClientSampleId :

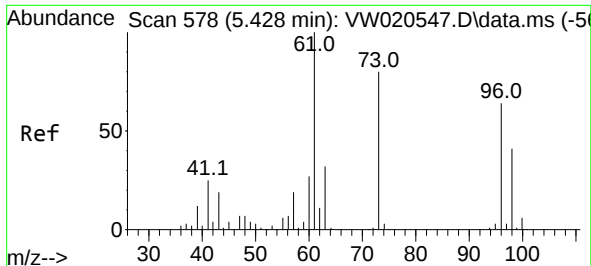
Tgt Ion: 43 Resp: 35960  
Ion Ratio Lower Upper  
43 100  
74 19.1 16.1 24.1



#16  
Methylene chloride  
Concen: 19.060 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 84 Resp: 77943  
Ion Ratio Lower Upper  
84 100  
86 65.5 44.7 83.1  
49 147.6 101.7 188.9





#17

trans-1,2-Dichloroethene

Concen: 22.033 ug/L

RT: 5.422 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :

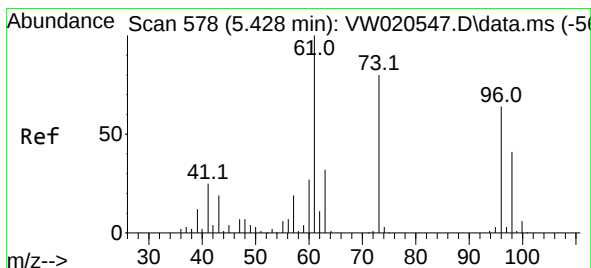
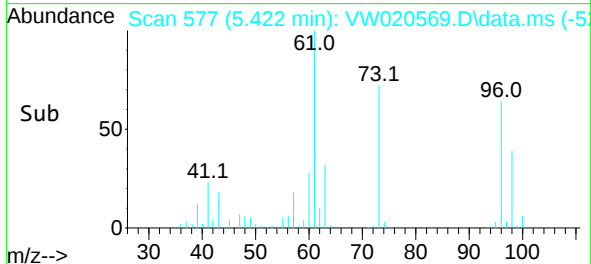
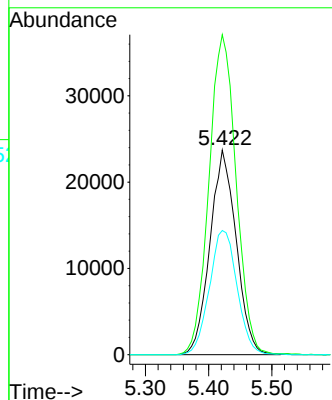
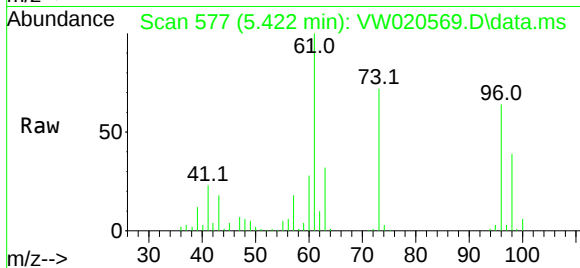
Tgt Ion: 96 Resp: 68370

Ion Ratio Lower Upper

96 100

61 156.4 110.7 205.5

98 60.7 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 23.232 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.006 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

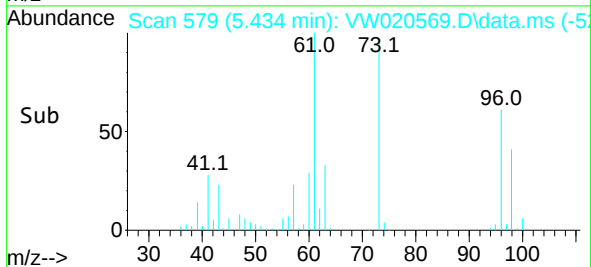
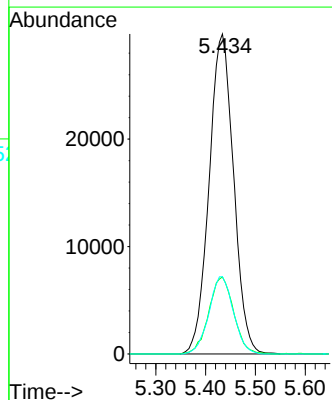
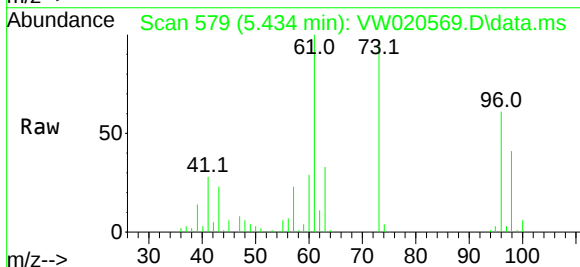
Tgt Ion: 73 Resp: 101566

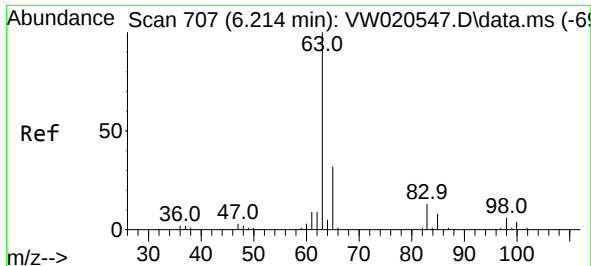
Ion Ratio Lower Upper

73 100

43 24.5 18.9 28.3

57 24.1 18.9 28.3





#19

1,1-Dichloroethane

Concen: 22.993 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :

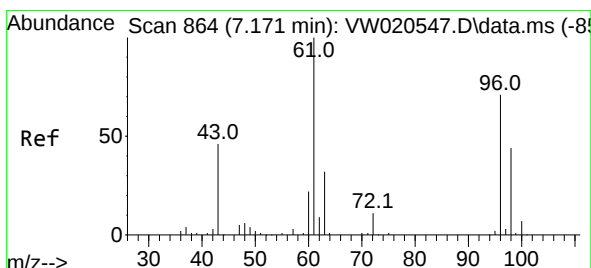
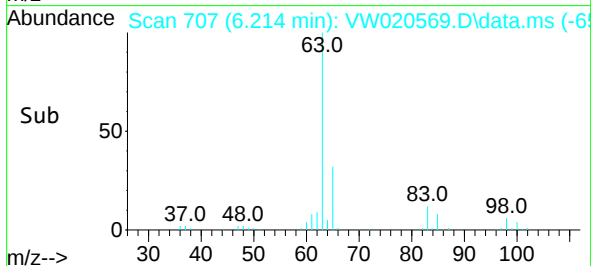
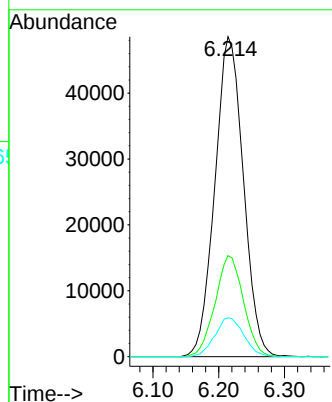
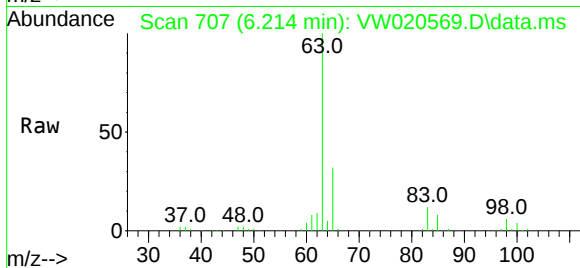
Tgt Ion: 63 Resp: 146268

Ion Ratio Lower Upper

63 100

65 31.6 21.9 40.7

83 12.2 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 23.247 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

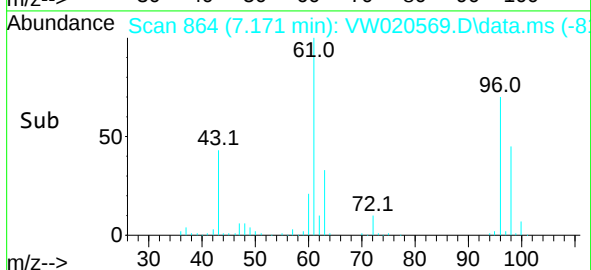
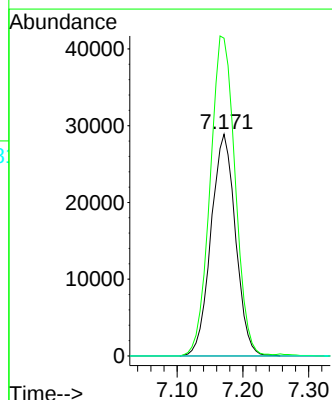
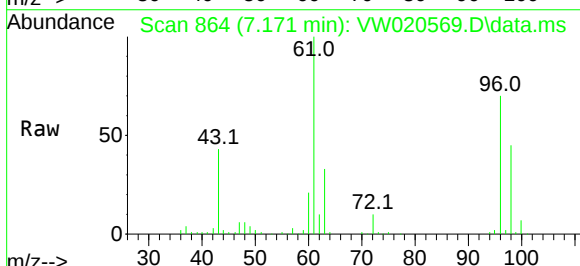
Tgt Ion: 96 Resp: 74981

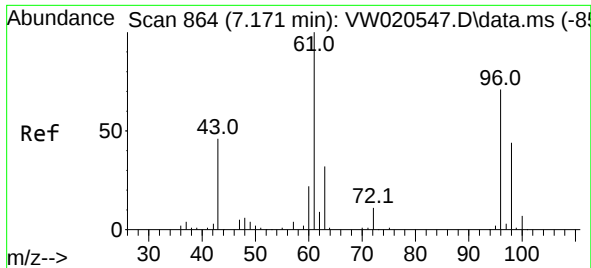
Ion Ratio Lower Upper

96 100

61 143.2 100.3 186.3

68 0.0 0.0 0.0

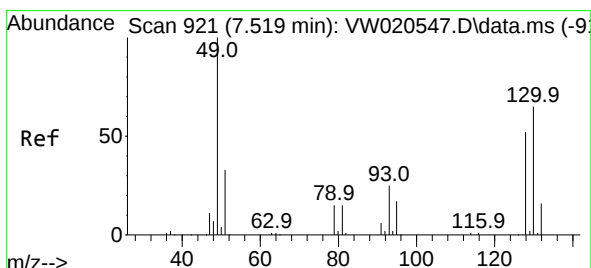
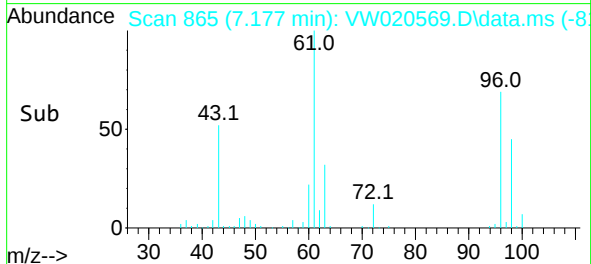
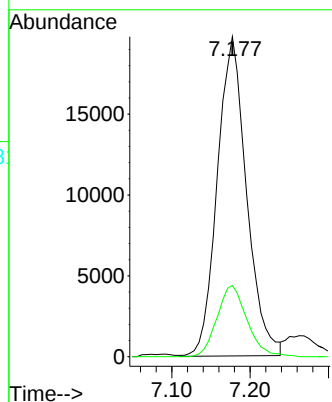
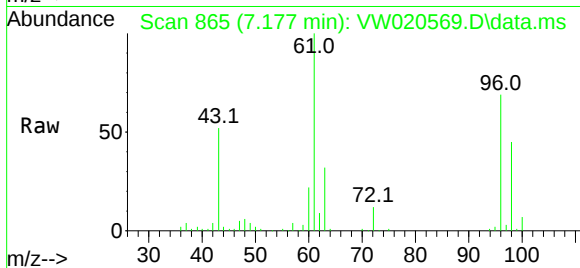




#22  
2-Butanone  
Concen: 47.880 ug/L  
RT: 7.177 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

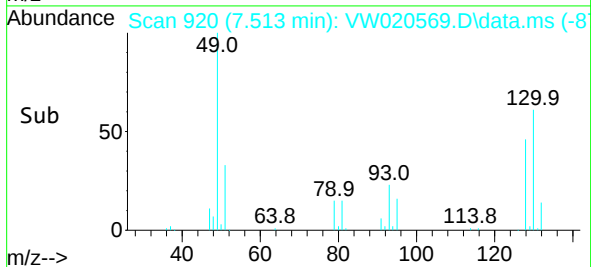
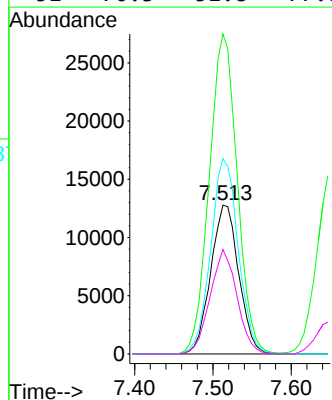
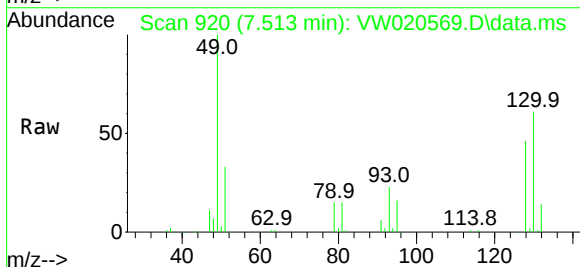
Instrument :  
MSVOA\_W  
ClientSampleId :

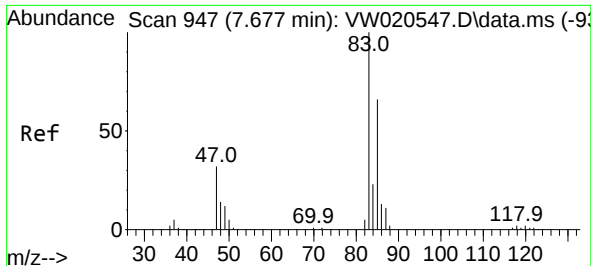
Tgt Ion: 43 Resp: 51258  
Ion Ratio Lower Upper  
43 100  
72 22.9 12.2 36.6



#23  
Bromochloromethane  
Concen: 22.499 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 128 Resp: 31828  
Ion Ratio Lower Upper  
128 100  
49 215.1 144.1 267.7  
130 131.3 89.2 165.6  
51 70.3 51.8 77.8

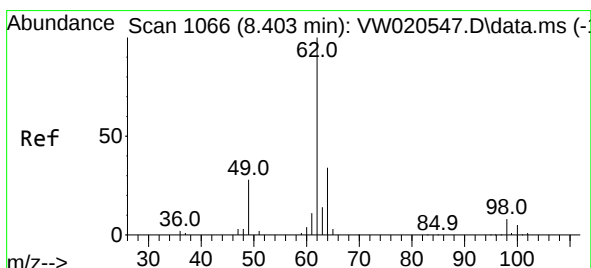
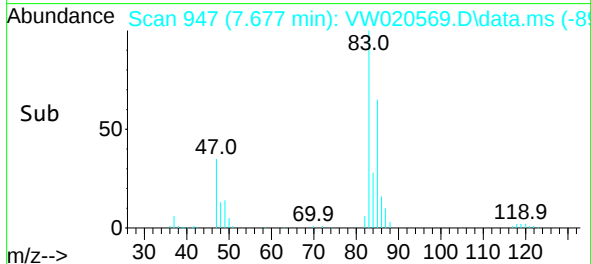
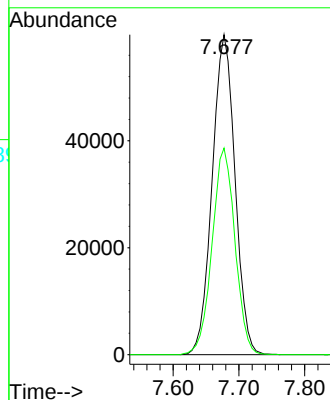
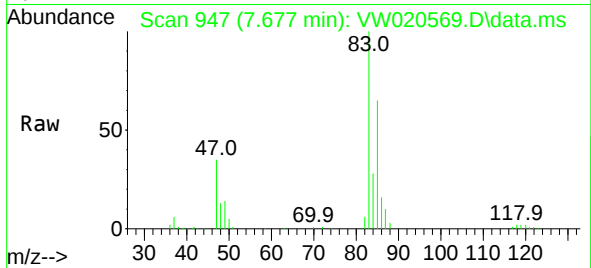




#25  
Chloroform  
Concen: 23.388 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

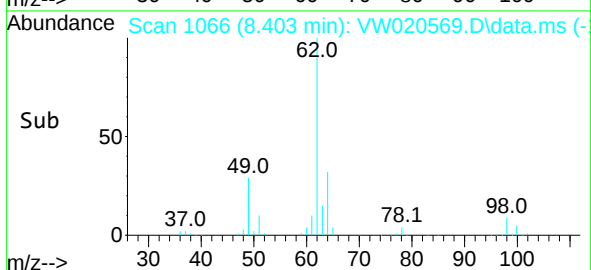
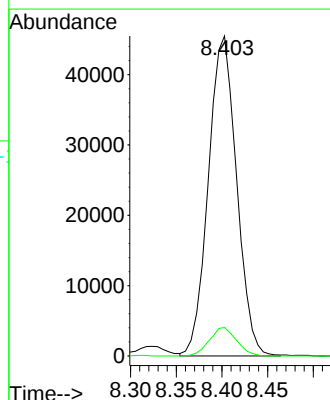
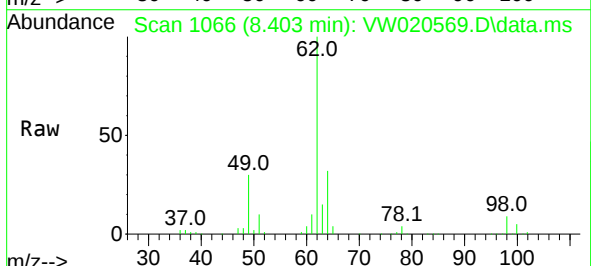
Instrument :  
MSVOA\_W  
ClientSampleId :

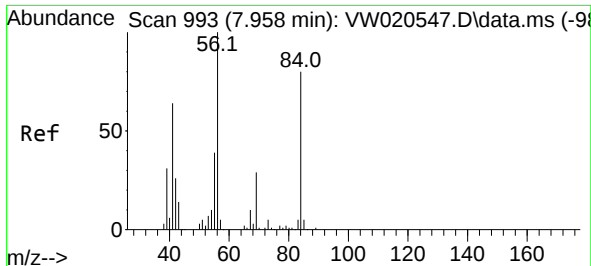
Tgt Ion: 83 Resp: 144639  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 23.167 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 62 Resp: 97993  
Ion Ratio Lower Upper  
62 100  
98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 22.513 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

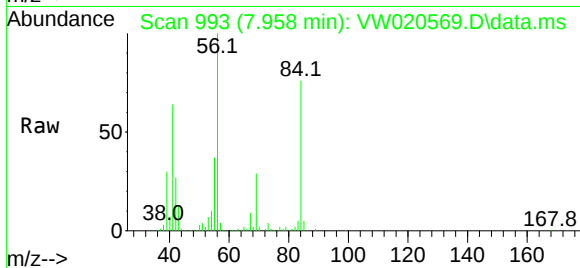
Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :



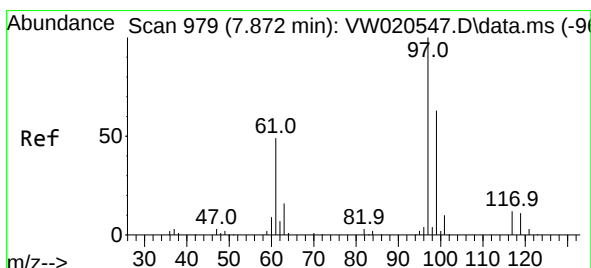
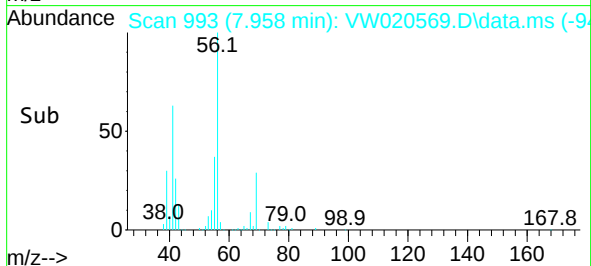
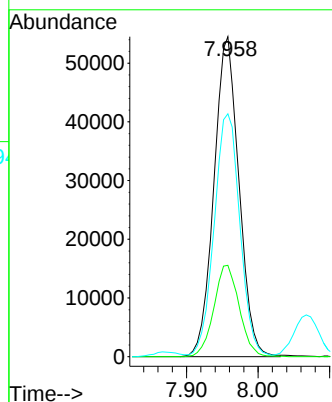
Tgt Ion: 56 Resp: 132243

Ion Ratio Lower Upper

56 100

69 29.0 23.2 34.8

84 78.3 63.7 95.5



#30

1,1,1-Trichloroethane

Concen: 22.154 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

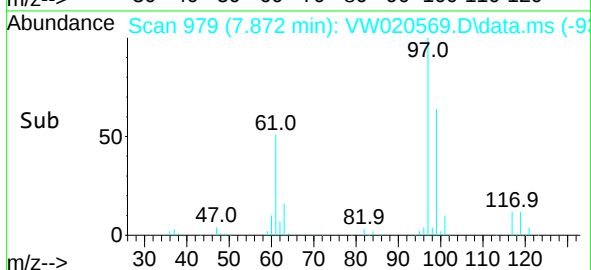
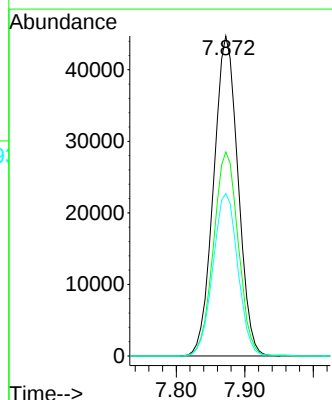
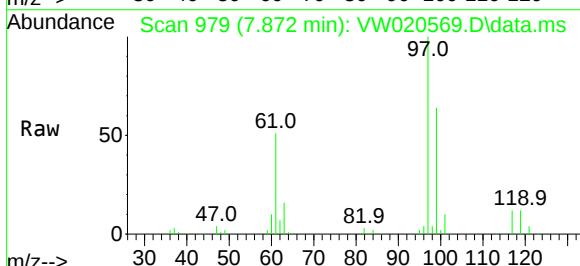
Tgt Ion: 97 Resp: 110422

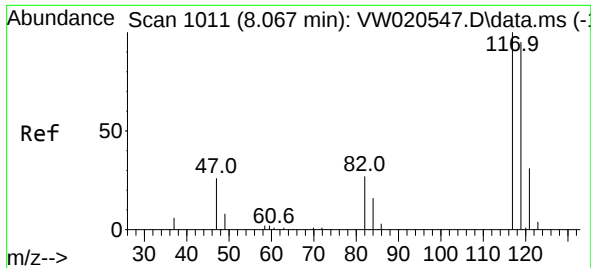
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 51.7 41.0 61.6

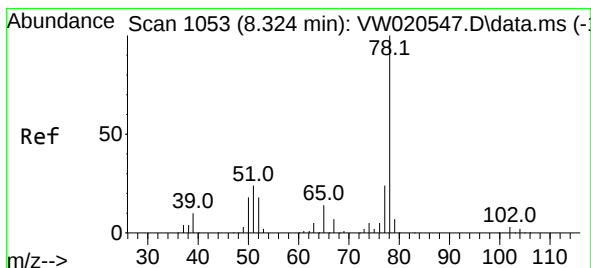
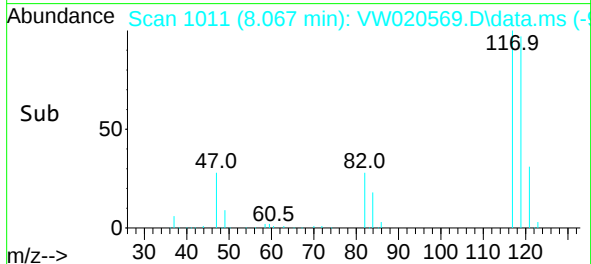
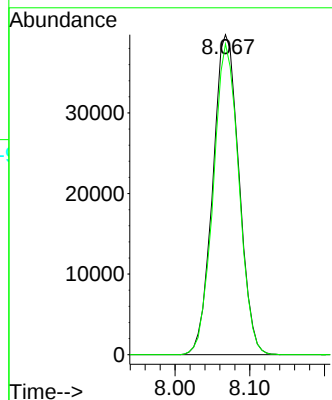
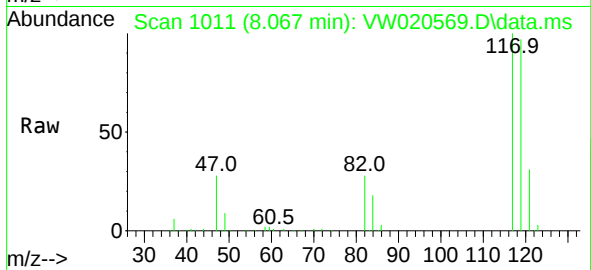




#31  
Carbon tetrachloride  
Concen: 22.076 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

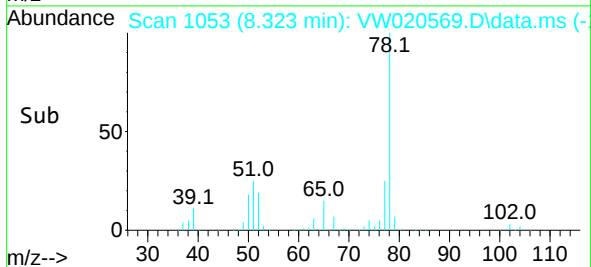
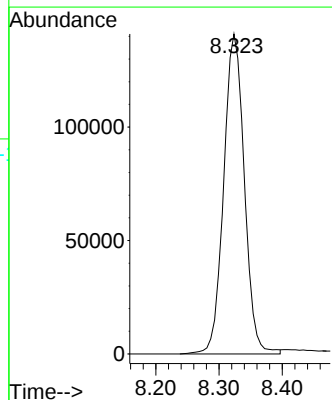
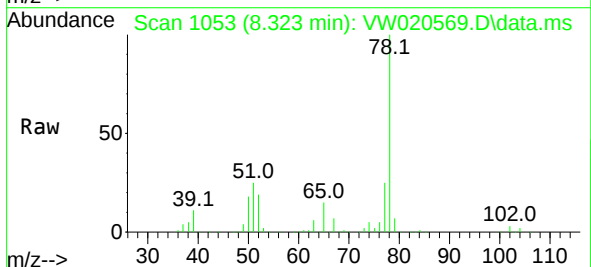
Instrument :  
MSVOA\_W  
ClientSampleId :

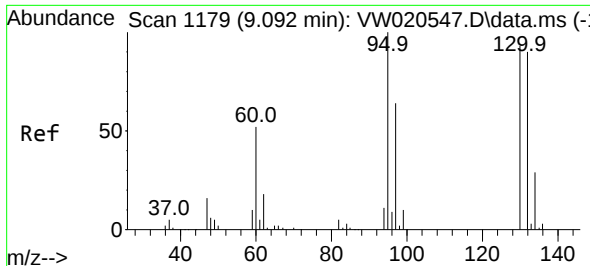
Tgt Ion:117 Resp: 96742  
Ion Ratio Lower Upper  
117 100  
119 94.9 77.0 115.4



#33  
Benzene  
Concen: 22.391 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

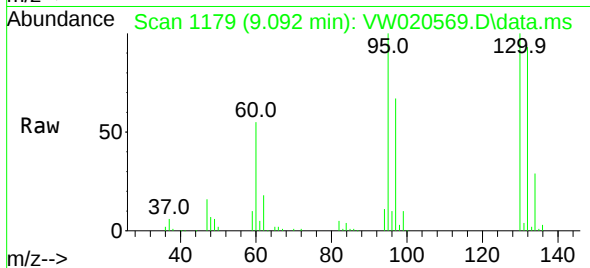
Tgt Ion: 78 Resp: 319980





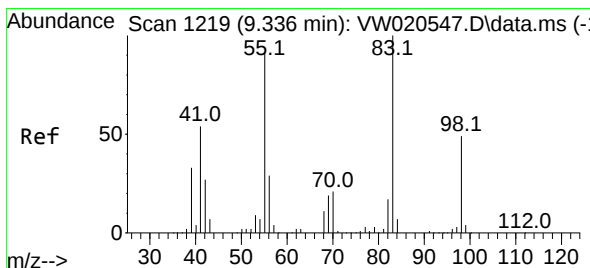
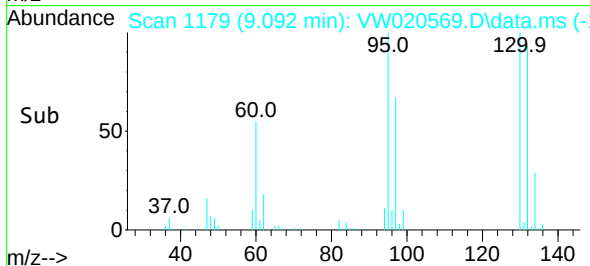
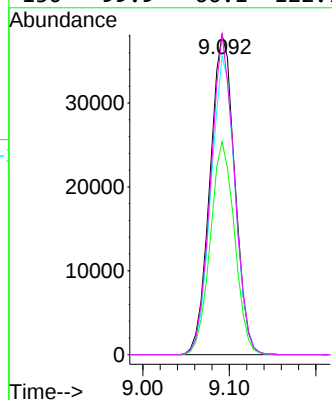
#34  
Trichloroethene  
Concen: 21.473 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 75597

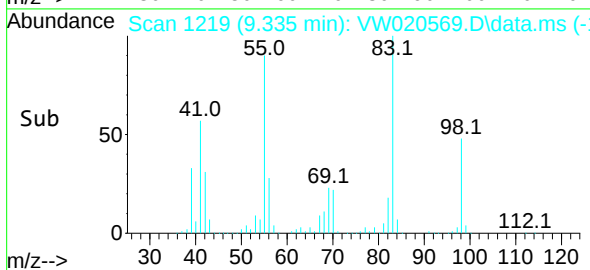
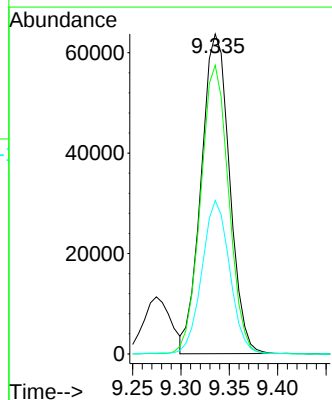
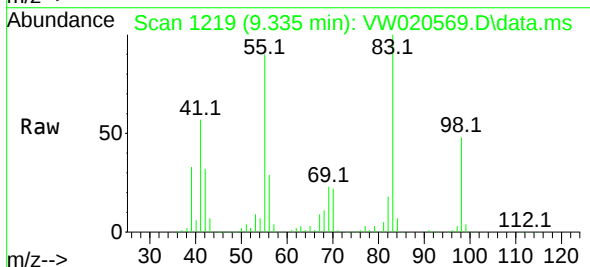
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 43.2  | 80.2  |
| 132 | 93.2  | 62.3  | 115.7 |
| 130 | 99.9  | 66.1  | 122.7 |

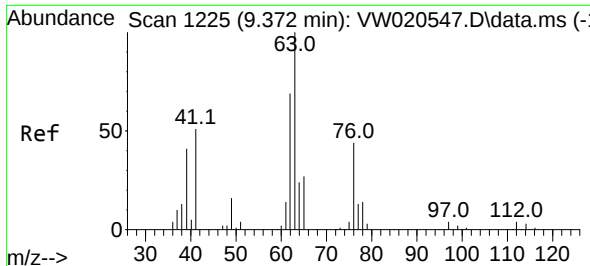


#35  
Methylcyclohexane  
Concen: 21.580 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 83 Resp: 130017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 89.4  | 69.7  | 104.5 |
| 98  | 47.0  | 38.2  | 57.2  |





#37

1,2-Dichloropropane

Concen: 22.824 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

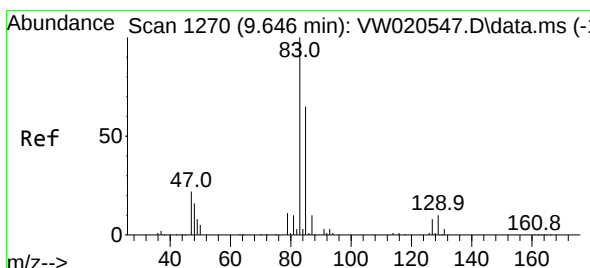
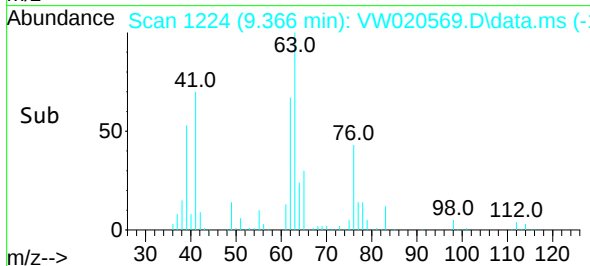
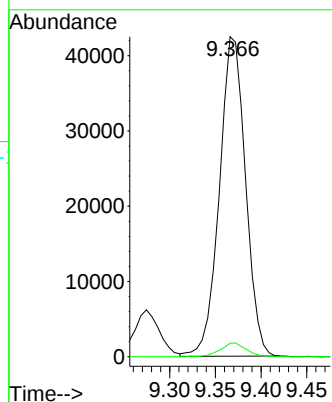
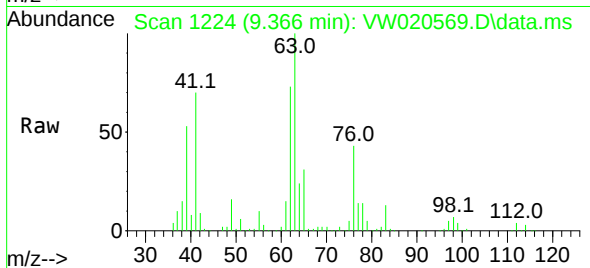
ClientSampleId :

Tgt Ion: 63 Resp: 84464

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 22.845 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

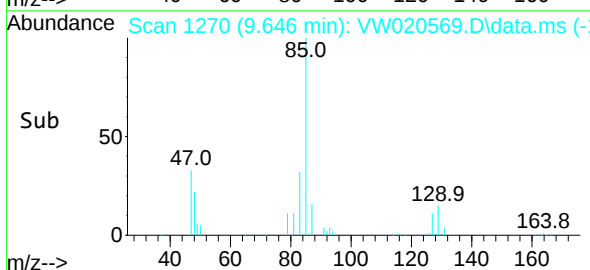
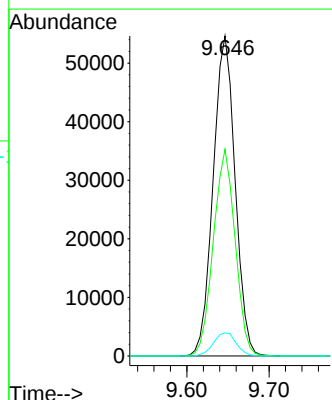
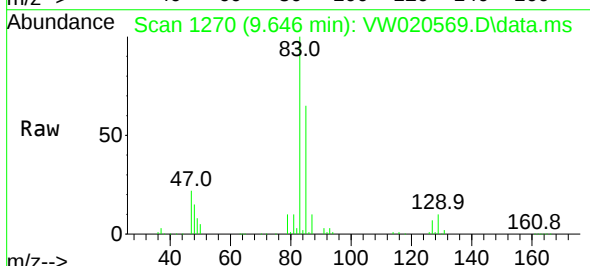
Tgt Ion: 83 Resp: 101362

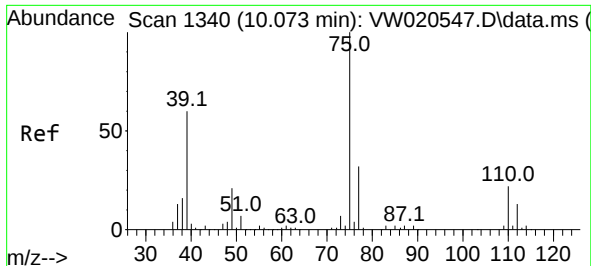
Ion Ratio Lower Upper

83 100

85 64.6 43.4 80.6

127 7.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.500 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

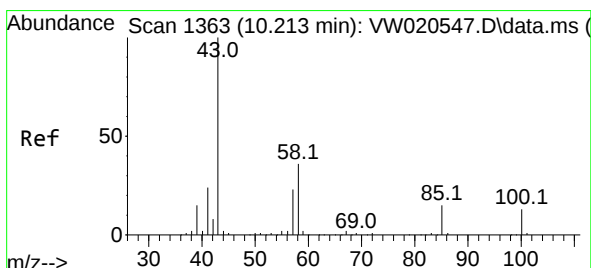
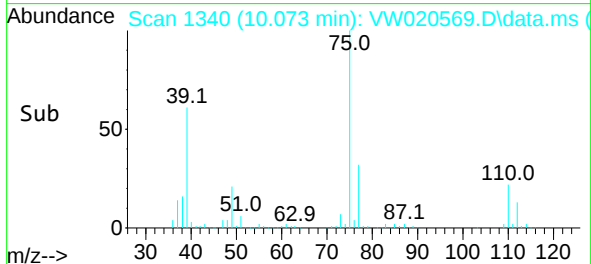
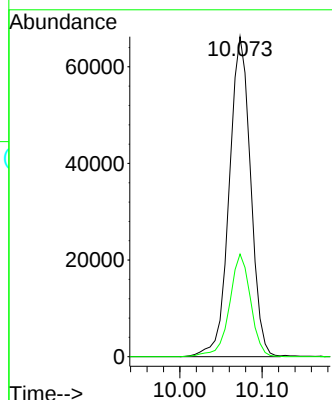
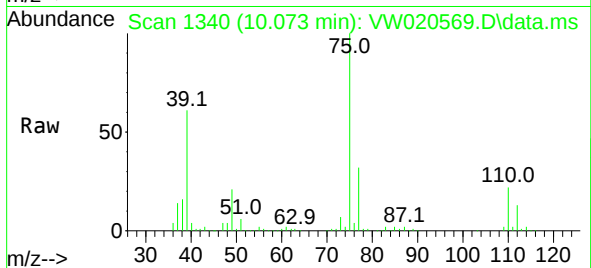
ClientSampleId :

Tgt Ion: 75 Resp: 119988

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 47.160 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

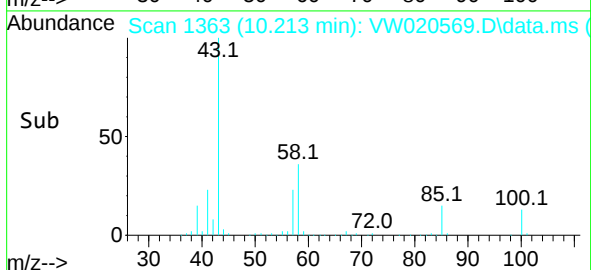
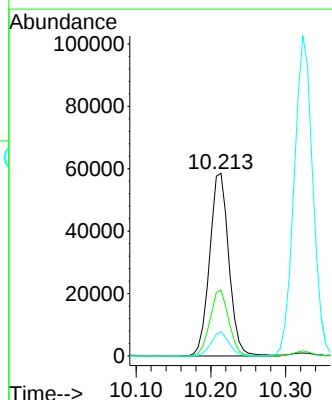
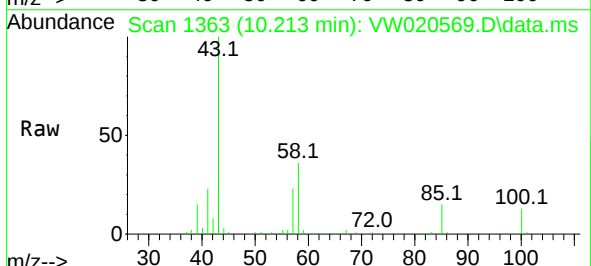
Tgt Ion: 43 Resp: 104751

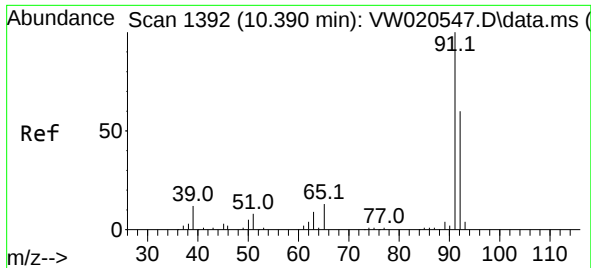
Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4

100 12.4 10.2 15.4

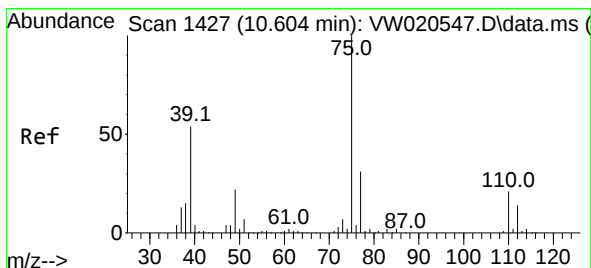
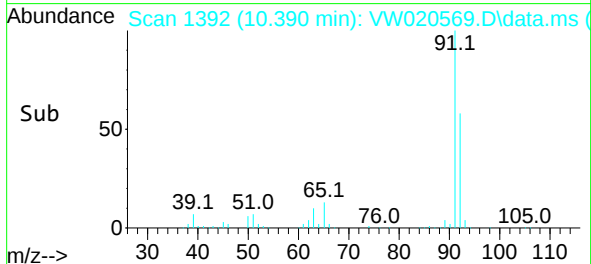
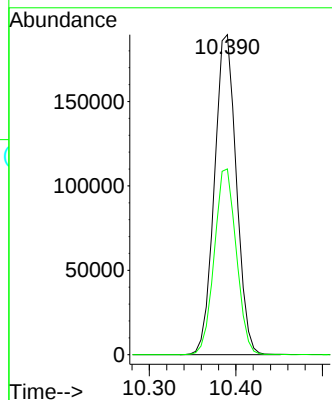
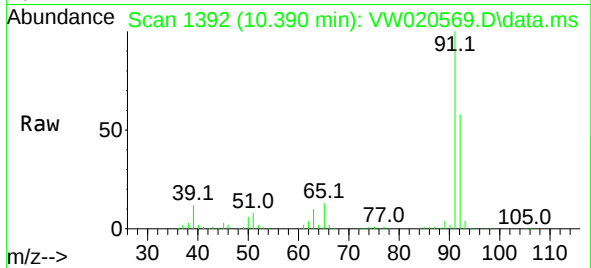




#42  
Toluene  
Concen: 23.238 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

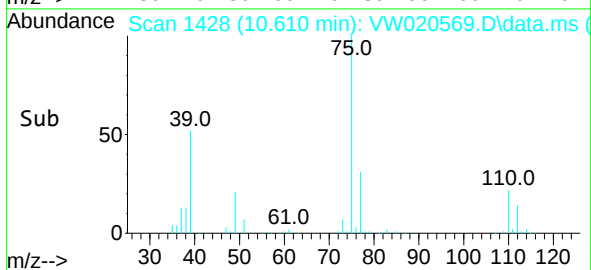
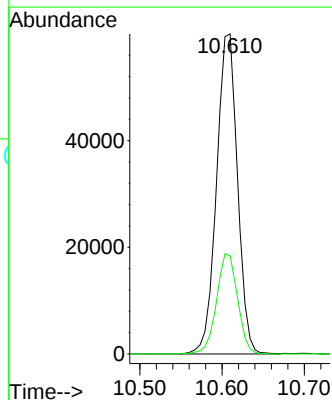
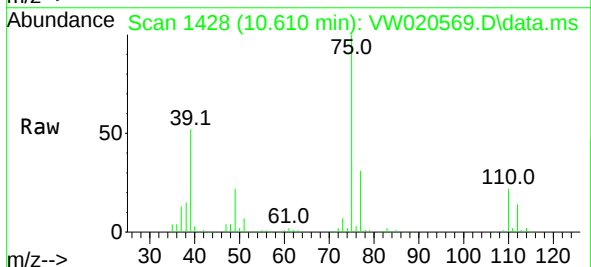
Instrument :  
MSVOA\_W  
ClientSampleId :

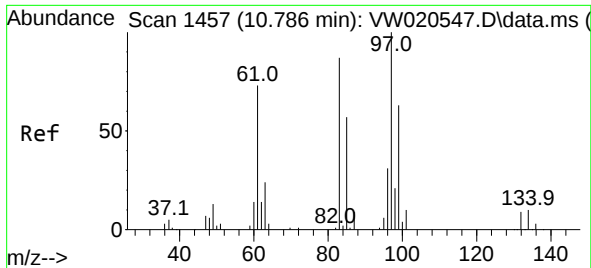
Tgt Ion: 91 Resp: 333097  
Ion Ratio Lower Upper  
91 100  
92 58.1 41.5 77.1



#44  
trans-1,3-Dichloropropene  
Concen: 23.628 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 75 Resp: 106352  
Ion Ratio Lower Upper  
75 100  
77 30.7 21.8 40.4

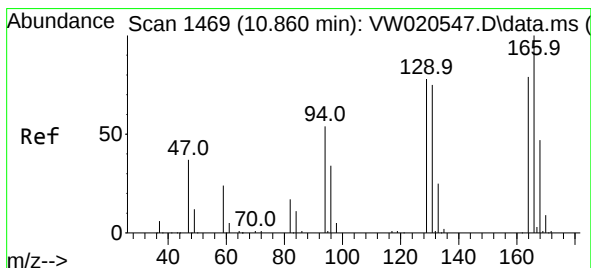
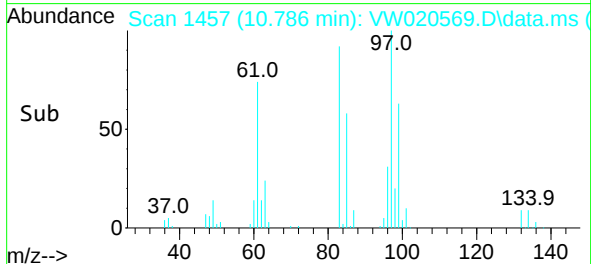
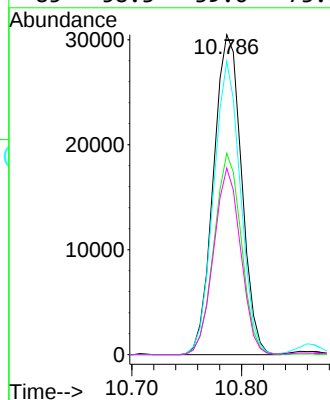
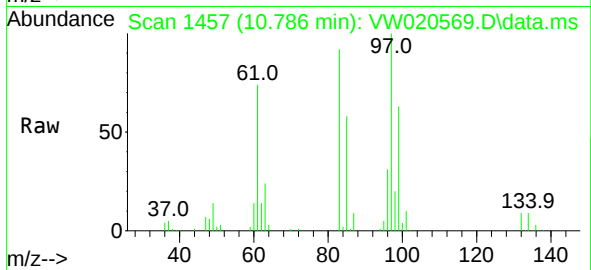




#45  
1,1,2-Trichloroethane  
Concen: 22.865 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

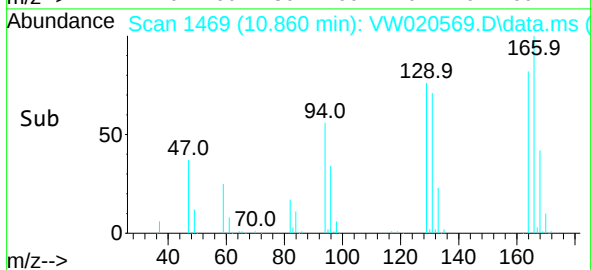
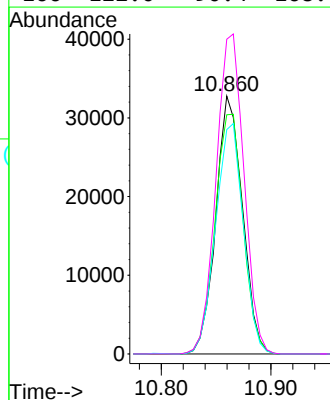
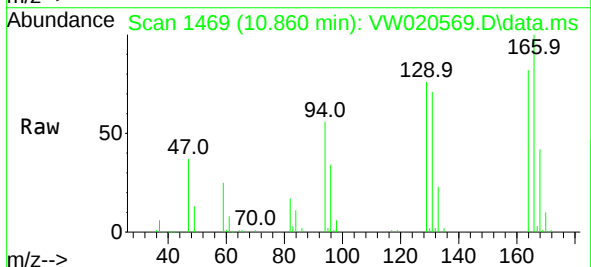
Instrument :  
MSVOA\_W  
ClientSampleId :

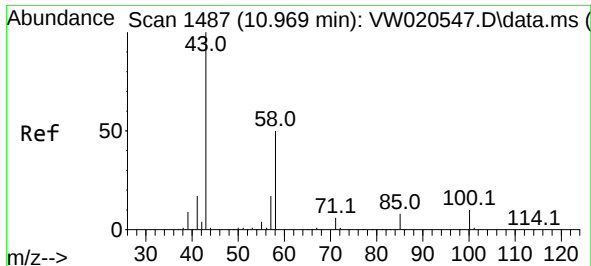
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 54329 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 62.9     | 42.8 79.4   |
| 83 91.7     | 60.9 113.1  |
| 85 58.3     | 39.6 73.6   |



#46  
Tetrachloroethene  
Concen: 21.926 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 55446 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 92.7    | 69.1  | 128.3 |
| 131 | 87.0    | 58.3  | 108.3 |
| 166 | 122.0   | 90.4  | 168.0 |

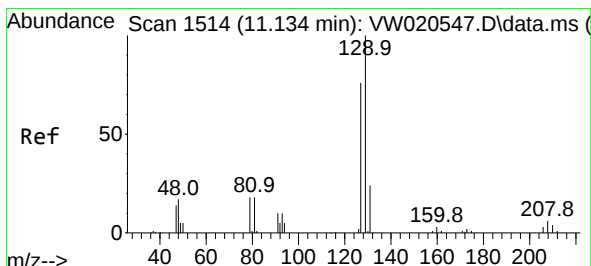
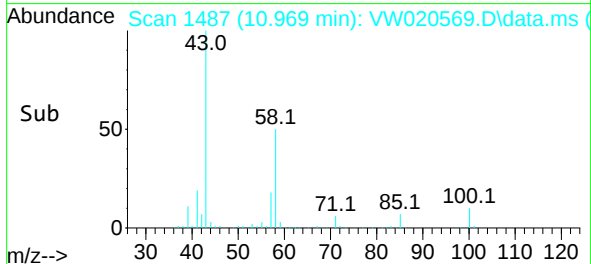
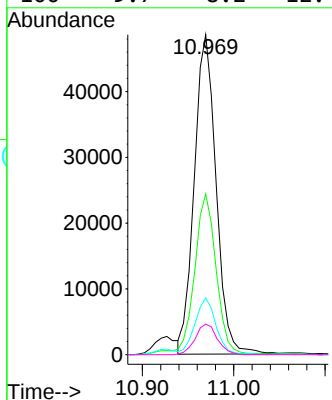
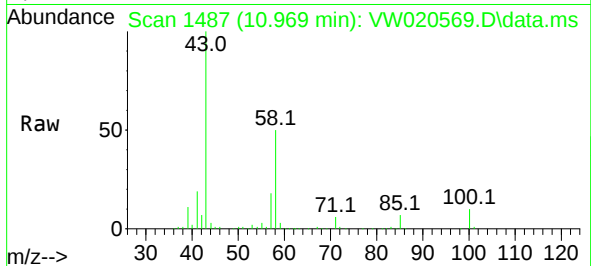




#48  
2-Hexanone  
Concen: 49.467 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

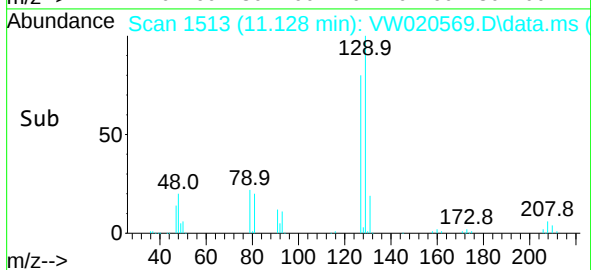
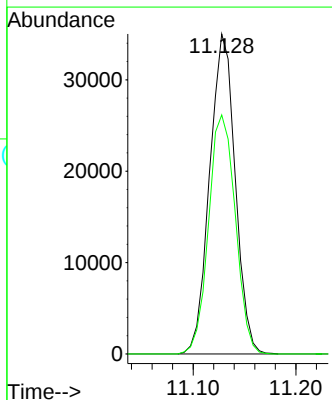
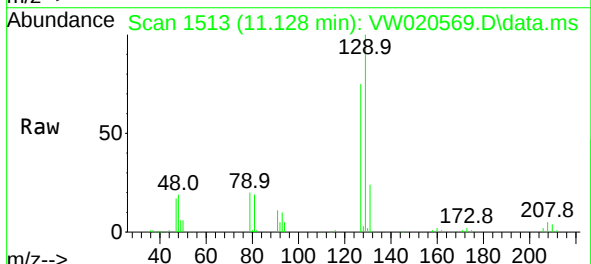
Instrument :  
MSVOA\_W  
ClientSampleId :

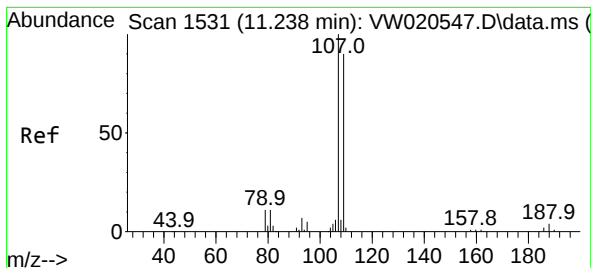
Tgt Ion: 43 Resp: 80615  
Ion Ratio Lower Upper  
43 100  
58 49.2 39.5 59.3  
57 17.3 14.2 21.4  
100 9.7 8.2 12.4



#49  
Dibromochloromethane  
Concen: 23.079 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.006 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion: 129 Resp: 60416  
Ion Ratio Lower Upper  
129 100  
127 74.7 55.1 102.3

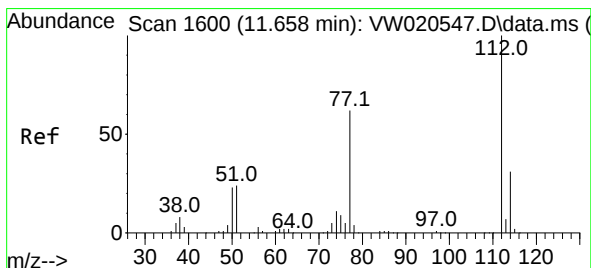
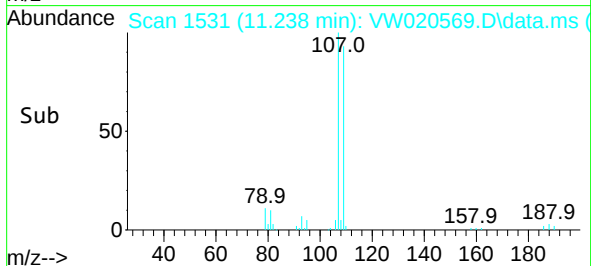
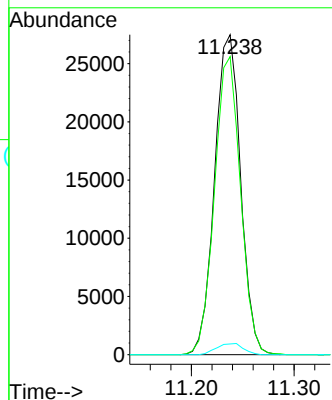
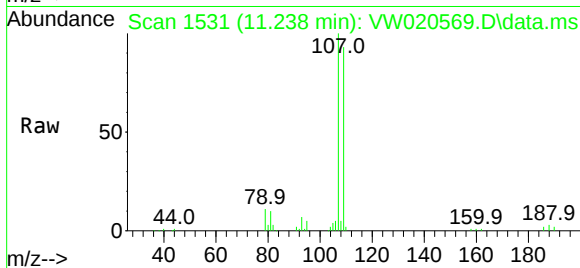




#50  
1,2-Dibromoethane  
Concen: 22.115 ug/L  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

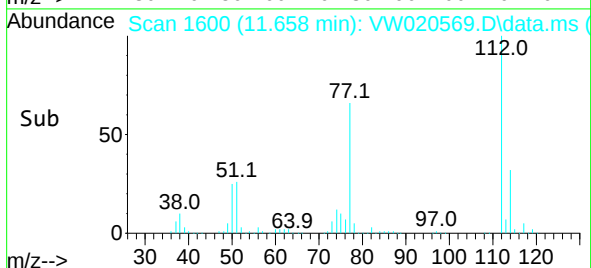
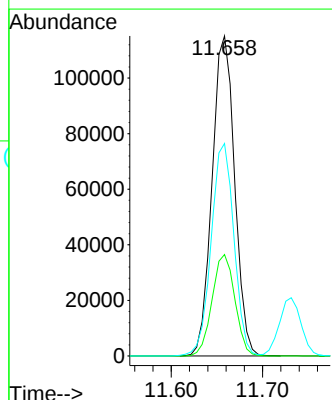
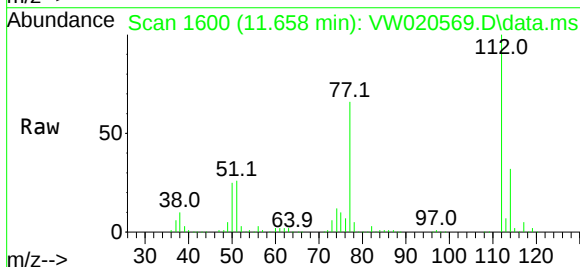
Instrument :  
MSVOA\_W  
ClientSampleId :

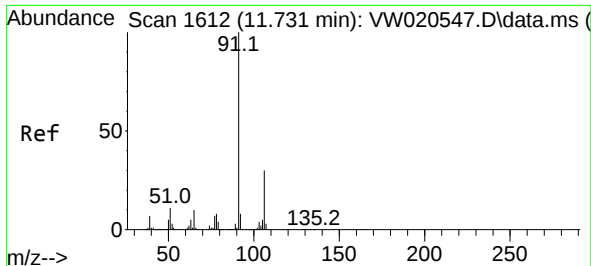
Tgt Ion:107 Resp: 48267  
Ion Ratio Lower Upper  
107 100  
109 93.2 64.5 119.9  
188 3.4 3.2 4.8



#51  
Chlorobenzene  
Concen: 22.301 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion:112 Resp: 197123  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.3 41.5  
77 66.4 50.7 76.1





#52

Ethylbenzene

Concen: 23.613 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

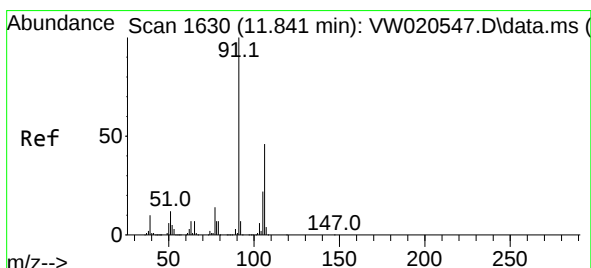
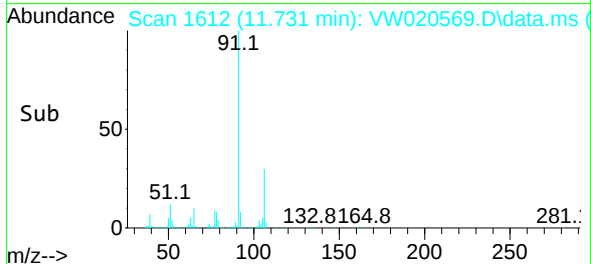
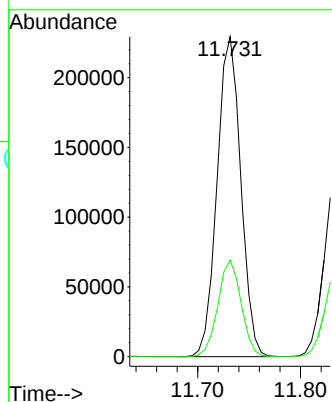
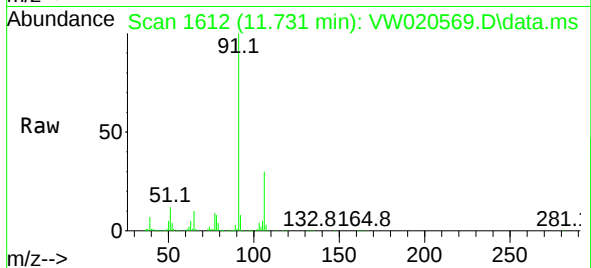
ClientSampleId :

Tgt Ion: 91 Resp: 367035

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#53

m,p-Xylene

Concen: 23.352 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. -0.000 min

Lab File: VW020569.D

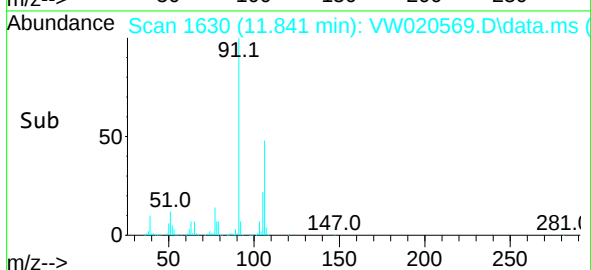
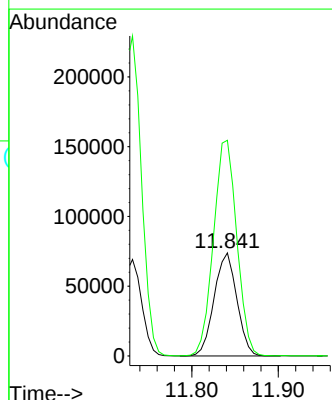
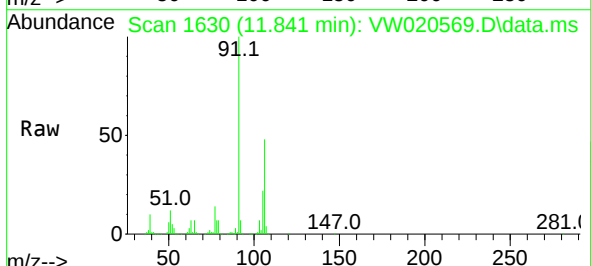
Acq: 18 Oct 2021 17:45

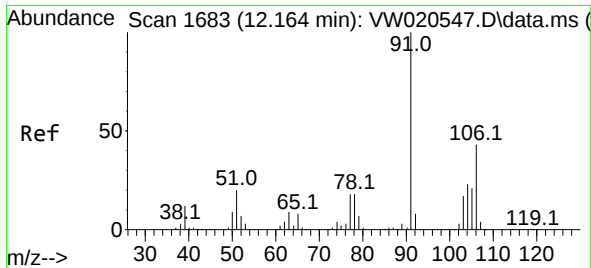
Tgt Ion:106 Resp: 134491

Ion Ratio Lower Upper

106 100

91 209.3 148.2 275.2

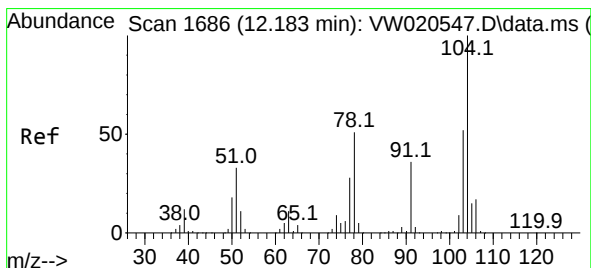
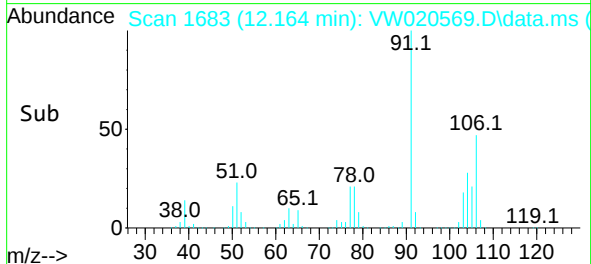
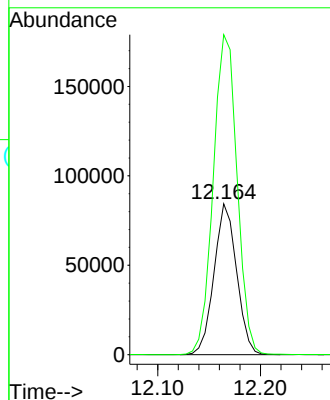
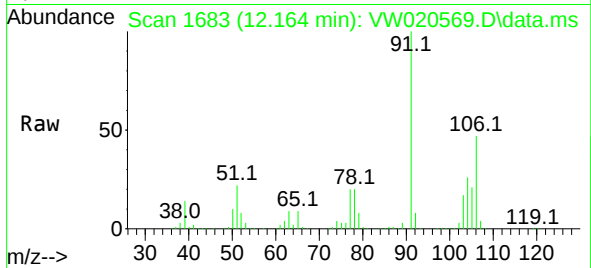




#54  
o-Xylene  
Concen: 24.185 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

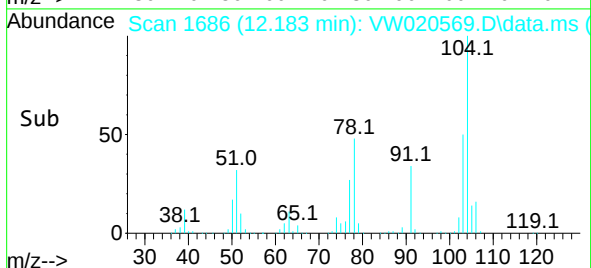
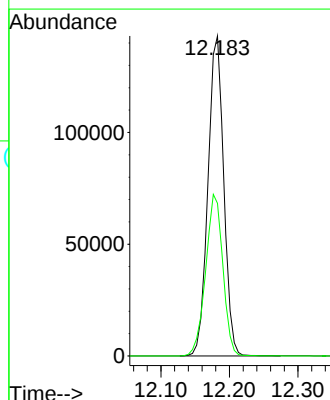
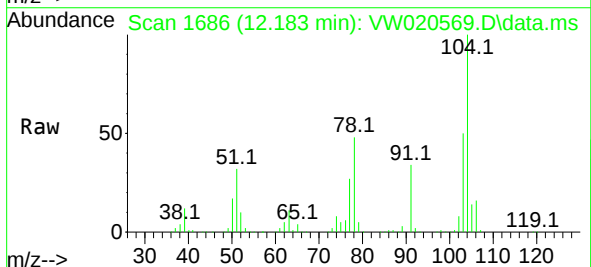
Instrument :  
MSVOA\_W  
ClientSampleId :

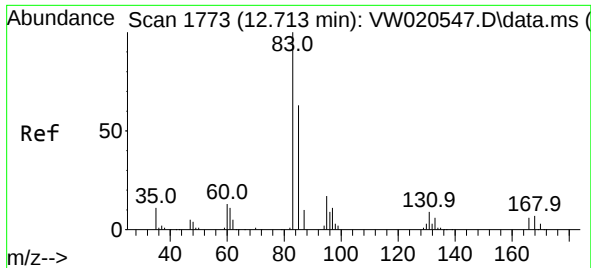
Tgt Ion:106 Resp: 128632  
Ion Ratio Lower Upper  
106 100  
91 212.0 156.1 289.9



#55  
Styrene  
Concen: 24.668 ug/L  
RT: 12.183 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion:104 Resp: 229403  
Ion Ratio Lower Upper  
104 100  
78 47.7 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 22.476 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020569.D

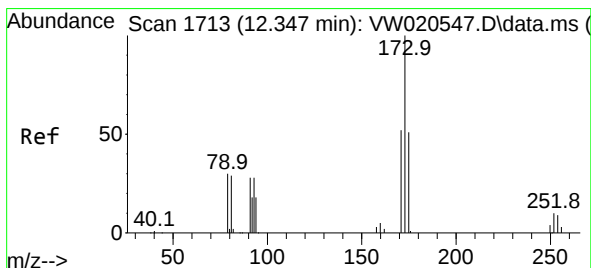
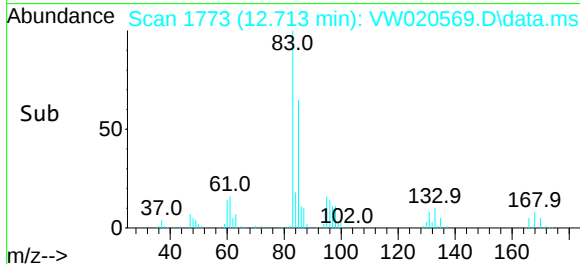
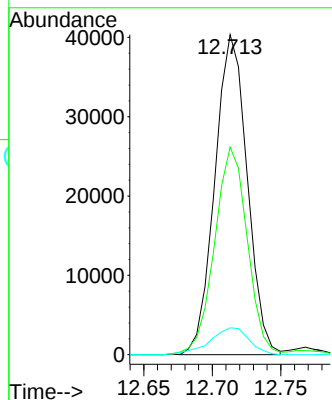
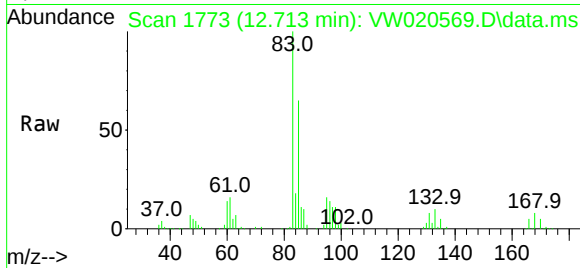
Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 66207 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 64.8     | 45.9 85.3   |
| 131 8.4     | 7.4 11.2    |



#59

Bromoform

Concen: 21.108 ug/L

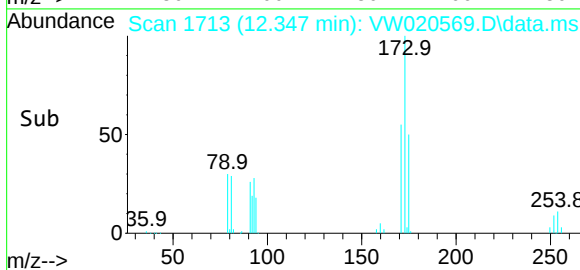
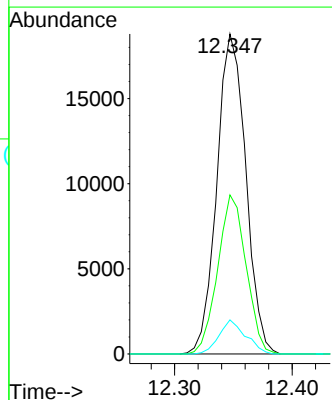
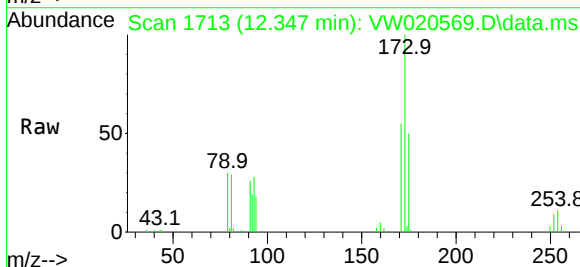
RT: 12.347 min Scan# 1713

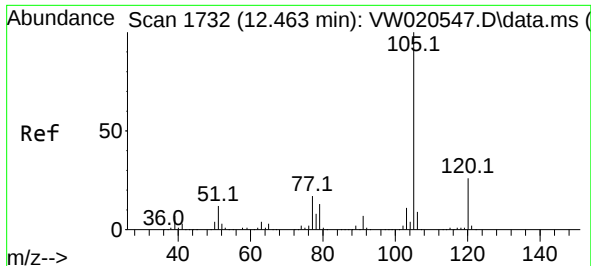
Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

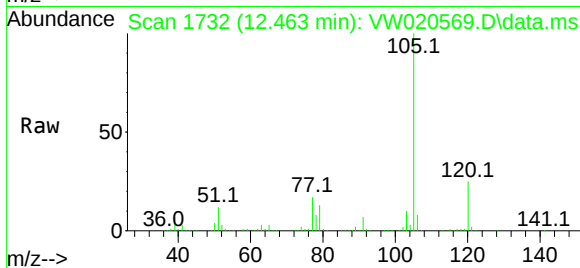
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:173 | Resp: | 32179 |       |
| Ion         | Ratio | Lower | Upper |
| 173         | 100   |       |       |
| 175         | 48.7  | 38.6  | 57.8  |
| 254         | 9.8   | 7.3   | 10.9  |



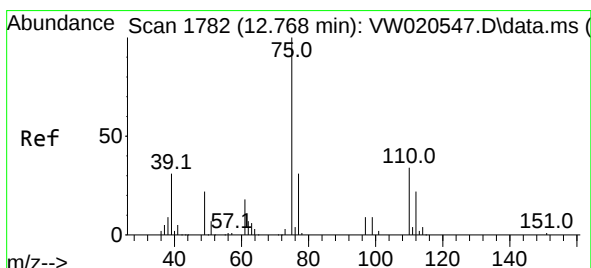
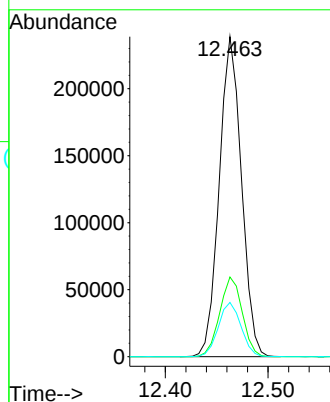
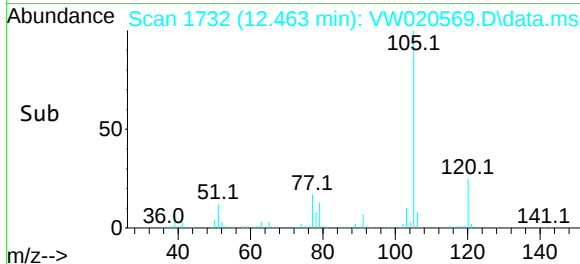


#60  
Isopropylbenzene  
Concen: 22.427 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

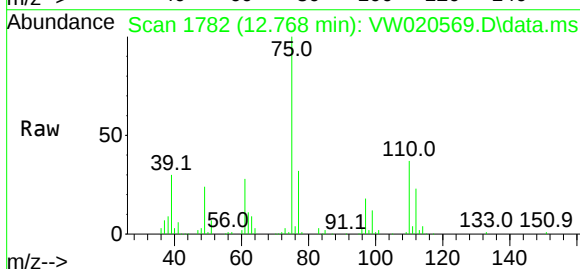
Instrument :  
MSVOA\_W  
ClientSampleId :



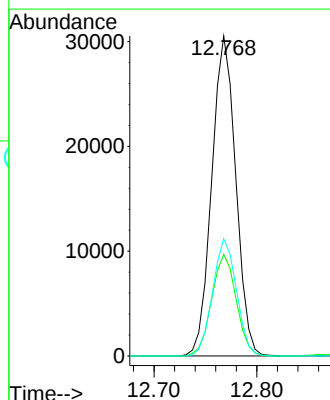
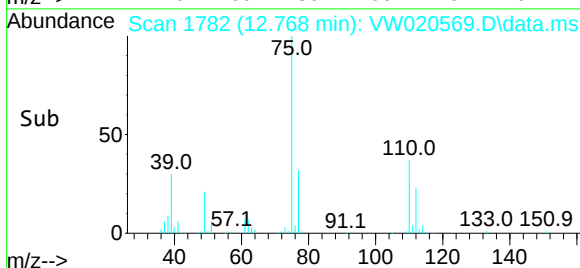
Tgt Ion:105 Resp: 358220  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.3 30.5  
77 17.3 13.8 20.6

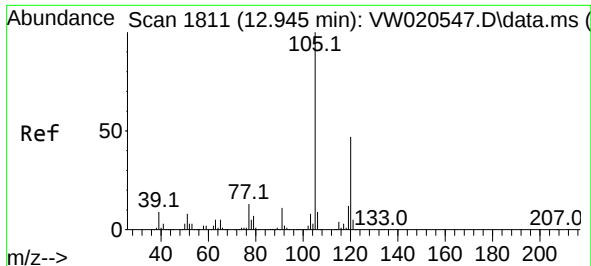


#61  
1,2,3-Trichloropropane  
Concen: 20.635 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45



Tgt Ion: 75 Resp: 49471  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.1 37.7  
110 36.2 29.4 44.0

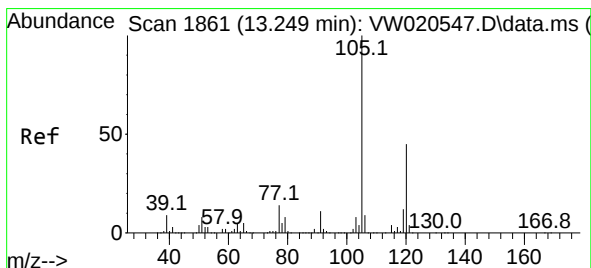
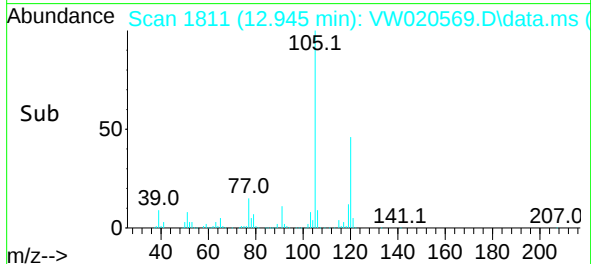
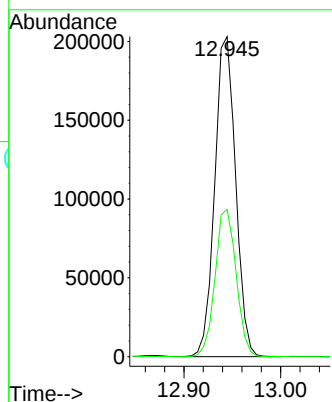
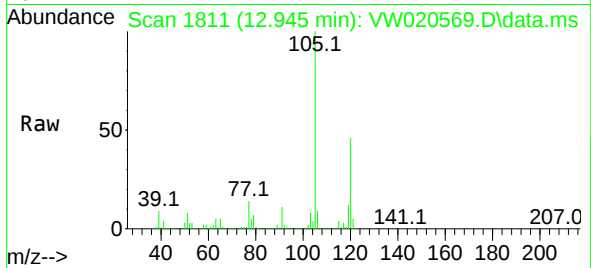




#62  
1,3,5-Trimethylbenzene  
Concen: 23.320 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

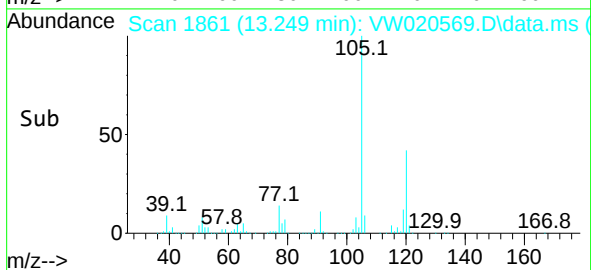
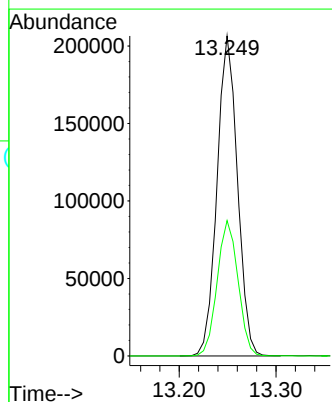
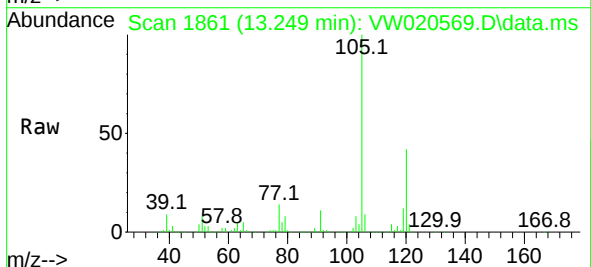
Instrument :  
MSVOA\_W  
ClientSampleId :

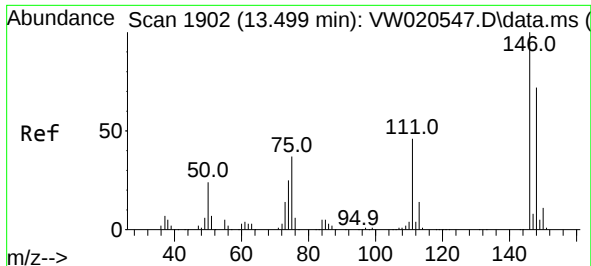
Tgt Ion:105 Resp: 304115  
Ion Ratio Lower Upper  
105 100  
120 46.5 37.9 56.9



#63  
1,2,4-Trimethylbenzene  
Concen: 23.424 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion:105 Resp: 302579  
Ion Ratio Lower Upper  
105 100  
120 43.1 35.4 53.2

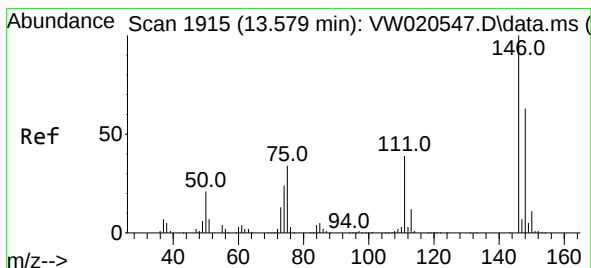
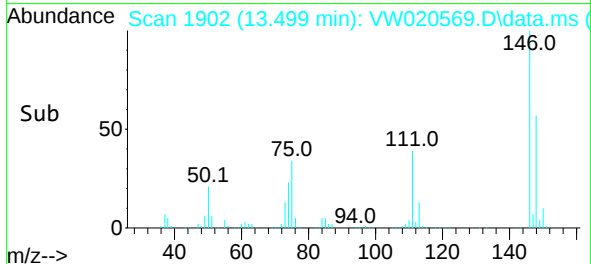
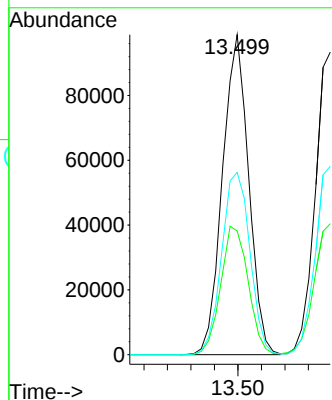
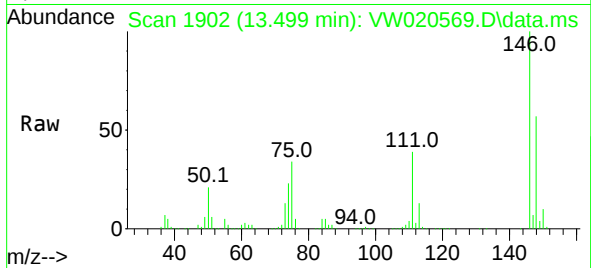




#64  
1,3-Dichlorobenzene  
Concen: 22.121 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

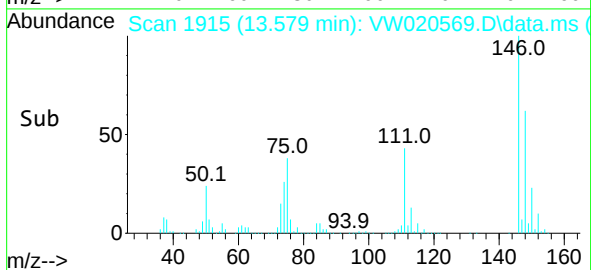
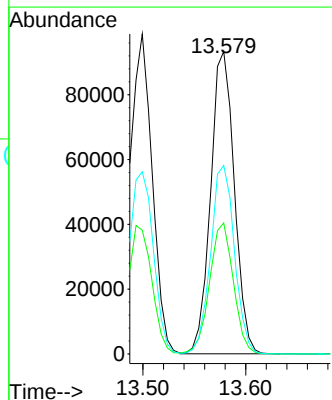
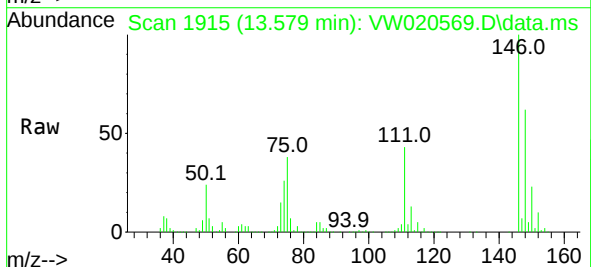
Instrument :  
MSVOA\_W  
ClientSampleId :

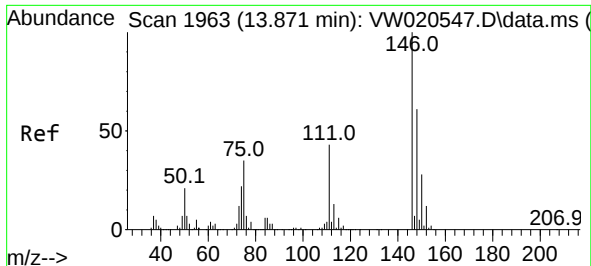
Tgt Ion:146 Resp: 152879  
Ion Ratio Lower Upper  
146 100  
111 38.7 29.0 53.8  
148 57.0 42.4 78.6



#65  
1,4-Dichlorobenzene  
Concen: 20.927 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW020569.D  
Acq: 18 Oct 2021 17:45

Tgt Ion:146 Resp: 149594  
Ion Ratio Lower Upper  
146 100  
111 43.3 30.9 57.5  
148 62.3 46.1 85.7





#67

1,2-Dichlorobenzene

Concen: 22.209 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :

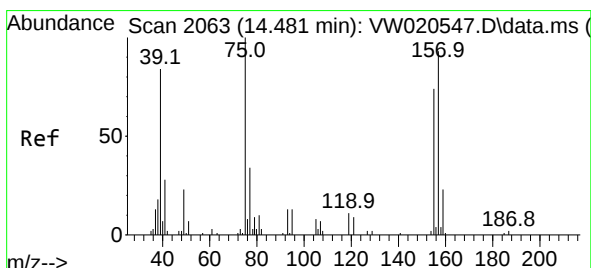
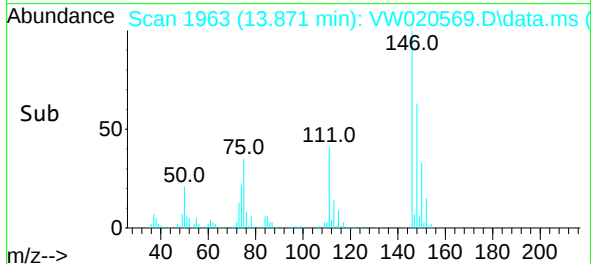
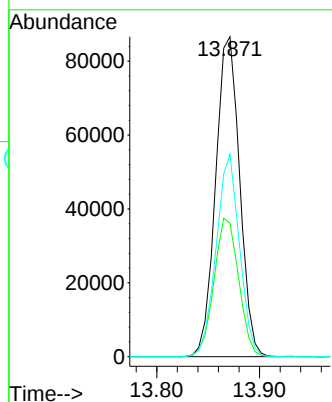
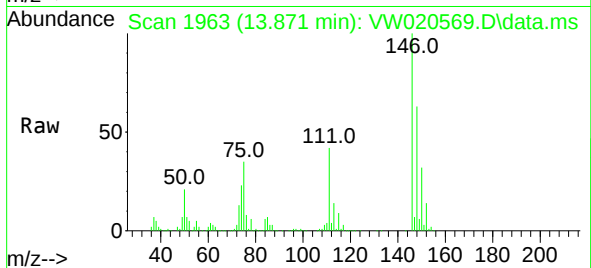
Tgt Ion:146 Resp: 140618

Ion Ratio Lower Upper

146 100

111 41.7 33.9 50.9

148 63.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 21.658 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

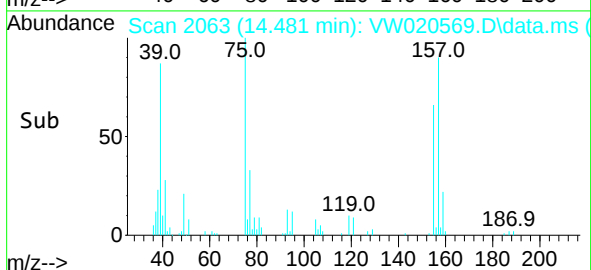
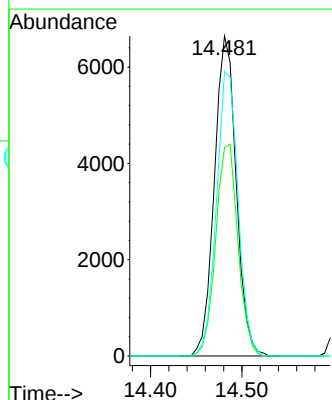
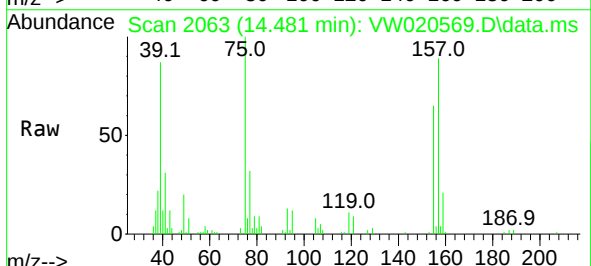
Tgt Ion: 75 Resp: 11029

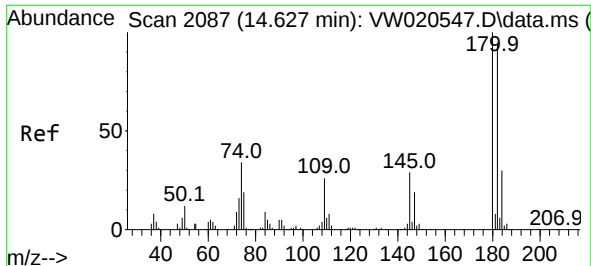
Ion Ratio Lower Upper

75 100

155 65.1 51.4 77.0

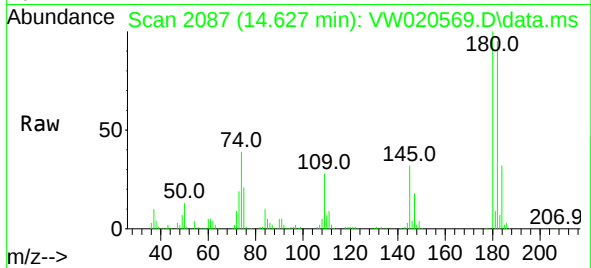
157 88.9 70.8 106.2



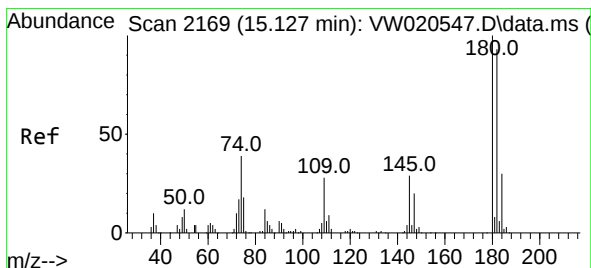
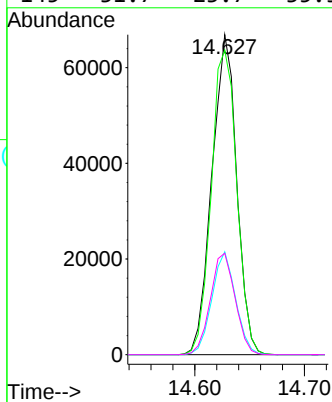
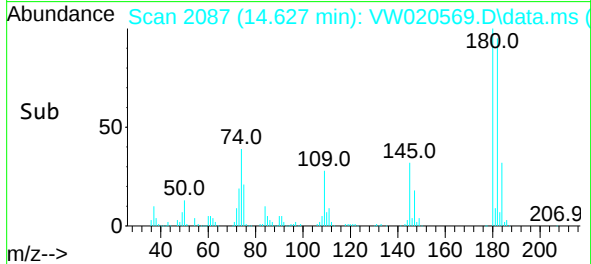


#69  
 1,3,5-Trichlorobenzene  
 Concen: 21.279 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45

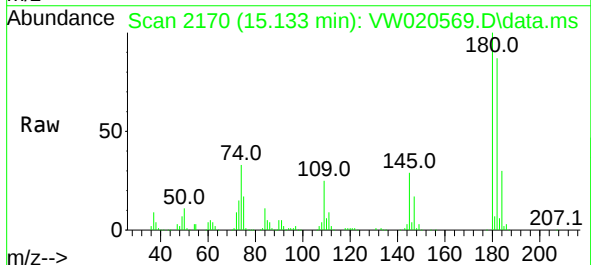
Instrument :  
 MSVOA\_W  
 ClientSampleId :



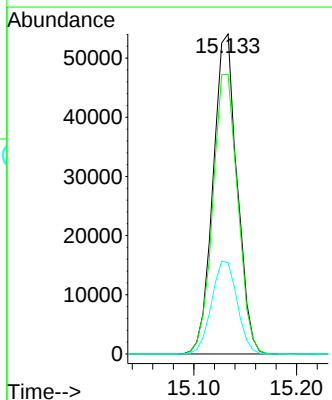
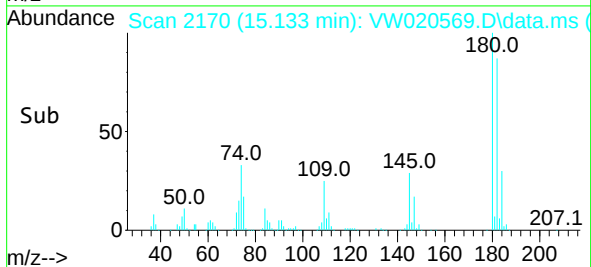
Tgt Ion:180 Resp: 104862  
 Ion Ratio Lower Upper  
 180 100  
 182 98.3 73.4 110.0  
 184 30.9 24.2 36.4  
 145 31.7 23.7 35.5

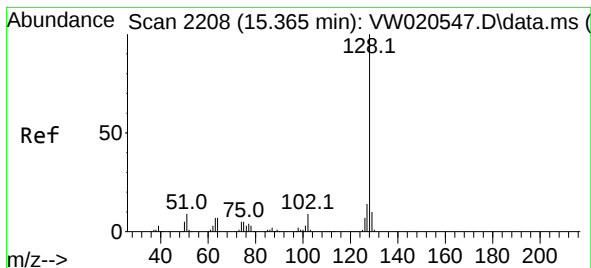


#70  
 1,2,4-trichlorobenzene  
 Concen: 22.507 ug/L  
 RT: 15.133 min Scan# 2170  
 Delta R.T. 0.006 min  
 Lab File: VW020569.D  
 Acq: 18 Oct 2021 17:45



Tgt Ion:180 Resp: 87825  
 Ion Ratio Lower Upper  
 180 100  
 182 90.7 75.8 113.8  
 145 30.8 24.8 37.2





#71

Naphthalene

Concen: 22.445 ug/L

RT: 15.365 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Instrument :

MSVOA\_W

ClientSampleId :

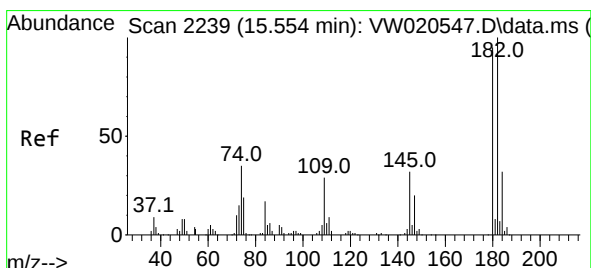
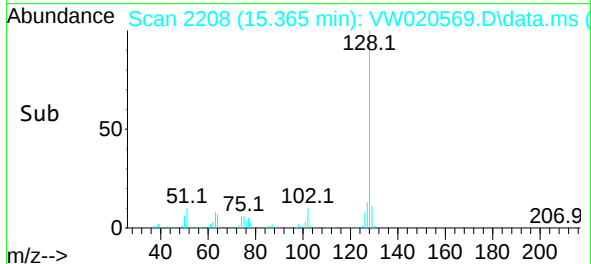
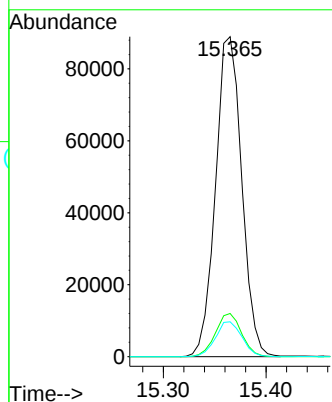
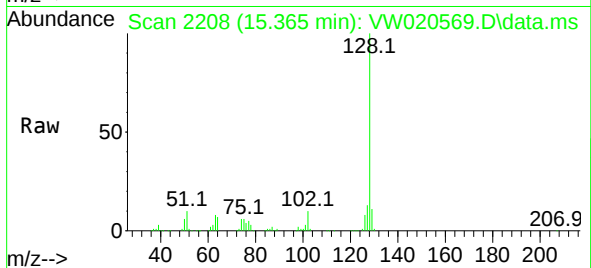
Tgt Ion:128 Resp: 157466

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 21.884 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.000 min

Lab File: VW020569.D

Acq: 18 Oct 2021 17:45

Tgt Ion:180 Resp: 75001

Ion Ratio Lower Upper

180 100

182 95.1 74.8 112.2

145 33.6 26.2 39.4

