

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101821\  
 Data File : VW020552.D  
 Acq On : 18 Oct 2021 10:54  
 Operator : SY/VA  
 Sample : M4213-02REMS  
 Misc : 3.85g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 19 05:42:47 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   | 172007   | 25.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 11.634    | 117   | 131262   | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560    | 152   | 43682    | 25.000   | ug/L        | 0.00     |
|                               |           |       |          |          |             |          |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 70393    | 28.125   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 112.480%  |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 43181    | 32.661   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 130.640%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 136010   | 26.520   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 106.080%  |          |
| 21) 2-Butanone-d5             | 7.086     | 46    | 32697    | 42.926   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 85.860%   |          |
| 24) Chloroform-d              | 7.653     | 84    | 152572   | 27.827   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 111.320%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 81233    | 25.941   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 103.760%  |          |
| 32) Benzene-d6                | 8.275     | 84    | 280445   | 32.481   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 129.920%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 91356    | 32.465   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 129.840%# |          |
| 41) Toluene-d8                | 10.323    | 98    | 233818   | 30.181   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 120.720%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 31683    | 27.707   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 110.840%  |          |
| 47) 2-Hexanone-d5             | 10.927    | 63    | 23736    | 54.832   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 109.660%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695    | 84    | 52251    | 24.565   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 98.240%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 39681    | 23.222   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 92.880%   |          |
|                               |           |       |          |          |             |          |
| Target Compounds              |           |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 31195    | 28.065   | ug/L        | 97       |
| 3) Chloromethane              | 2.215     | 50    | 62393    | 26.997   | ug/L        | 97       |
| 5) Vinyl chloride             | 2.355     | 62    | 86411    | 26.583   | ug/L        | 98       |
| 6) Bromomethane               | 2.776     | 94    | 35756    | 25.325   | ug/L        | 98       |
| 8) Chloroethane               | 2.916     | 64    | 36423    | 30.345   | ug/L        | 98       |
| 9) Trichlorofluoromethane     | 3.251     | 101   | 42742    | 23.110   | ug/L        | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062     | 101   | 63315    | 24.004   | ug/L        | 100      |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 63141    | 26.108   | ug/L        | 88       |
| 13) Acetone                   | 4.129     | 43    | 38303    | 54.771   | ug/L        | 99       |
| 14) Carbon disulfide          | 4.385     | 76    | 159255   | 20.245   | ug/L        | 100      |
| 15) Methyl Acetate            | 4.678     | 43    | 27679    | 21.313   | ug/L        | 100      |
| 16) Methylene chloride        | 4.915     | 84    | 70147    | 20.978   | ug/L        | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428     | 96    | 63051    | 24.849   | ug/L        | 99       |
| 18) Methyl tert-butyl Ether   | 5.434     | 73    | 92942    | 25.999   | ug/L        | 99       |
| 19) 1,1-Dichloroethane        | 6.220     | 63    | 140186   | 26.950   | ug/L        | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 67644    | 25.649   | ug/L        | 97       |
| 22) 2-Butanone                | 7.171     | 43    | 43759    | 49.988   | ug/L        | 97       |
| 23) Bromochloromethane        | 7.519     | 128   | 29033    | 25.099   | ug/L        | 96       |
| 25) Chloroform                | 7.677     | 83    | 133896   | 26.478   | ug/L        | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 19 05:41:45 2021  
 Response via : Initial Calibration

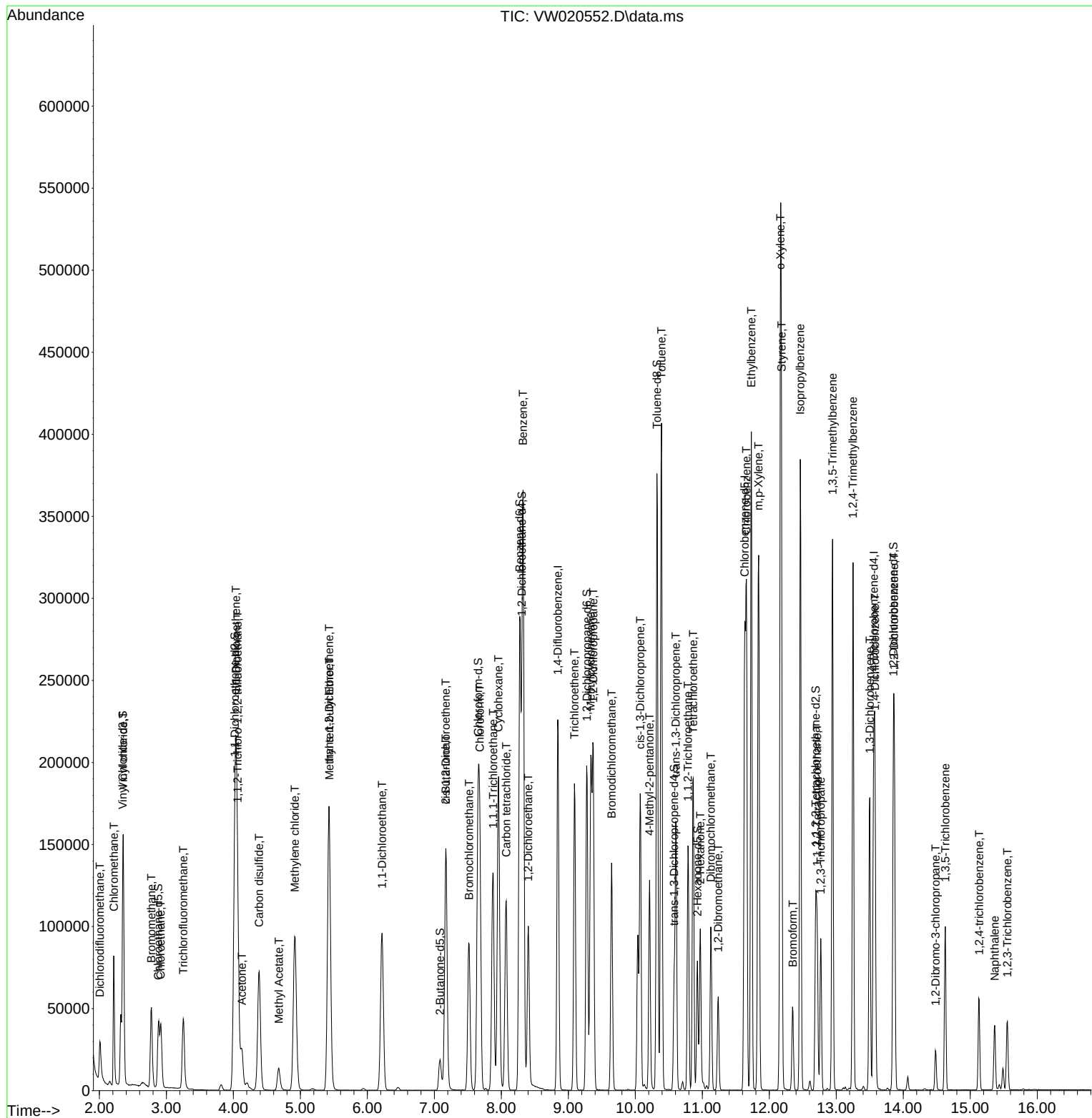
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 86713    | 25.071 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 98036    | 25.511 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 104859   | 32.157 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 86254    | 30.085 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 295665   | 31.624 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 64635    | 28.062 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 72348    | 18.355 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 74958    | 30.960 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 88523    | 30.495 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 96742    | 28.961 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 85430    | 58.789 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 282132   | 30.085 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 82465    | 28.004 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 44128    | 28.387 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 40745    | 24.628 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 65655    | 61.580 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 48031    | 28.045 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 38094    | 26.678 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 140281   | 24.258 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 266776   | 26.234 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 96148    | 25.518 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 90925    | 26.130 | ug/L  | 95       |
| 55) Styrene                   | 12.182 | 104  | 144504   | 23.751 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 45618    | 23.672 | ug/L  | 97       |
| 59) Bromoform                 | 12.353 | 173  | 22001    | 35.953 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 221538   | 34.554 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 35887    | 37.292 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 163883   | 31.307 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 158489   | 30.566 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 67015    | 24.158 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 66982    | 23.344 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 57924    | 22.791 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6441     | 31.510 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 28591    | 14.454 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 15655    | 9.995  | ug/L  | 93       |
| 71) Naphthalene               | 15.365 | 128  | 32225    | 11.443 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 13247    | 9.629  | ug/L  | 97       |

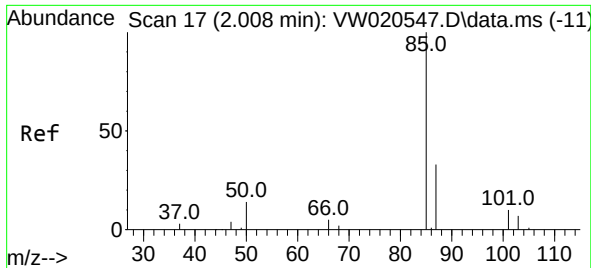
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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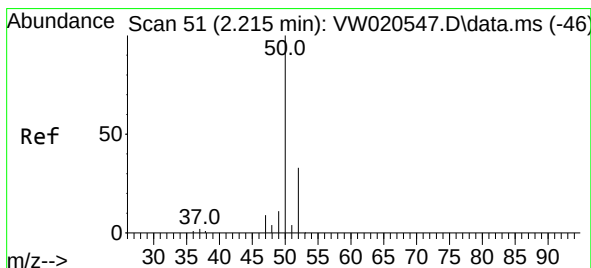
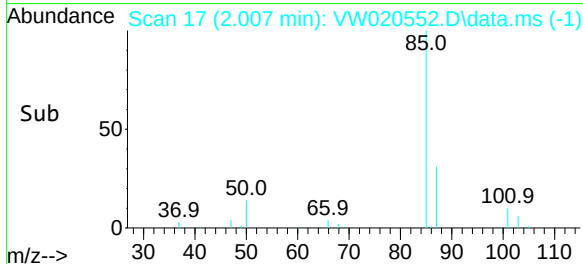
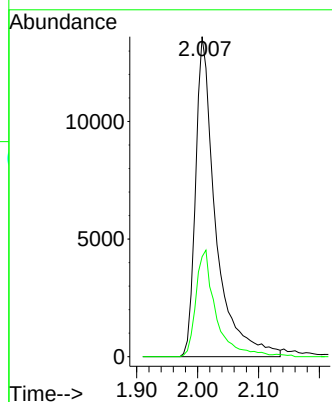
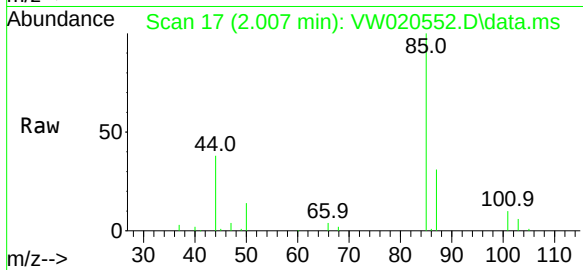




#2  
 Dichlorodifluoromethane  
 Concen: 28.065 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

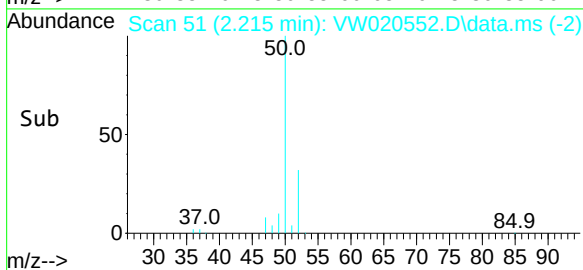
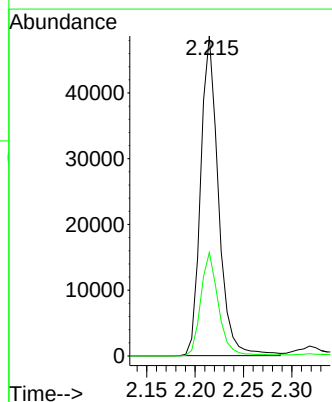
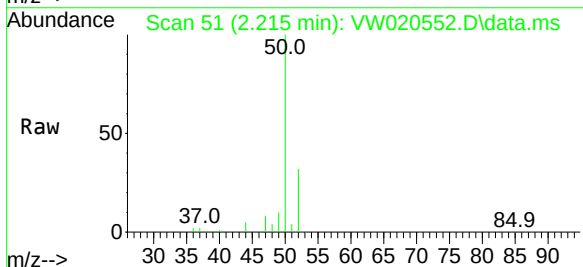
Instrument :  
 MSVOA\_W  
 ClientSampleId :

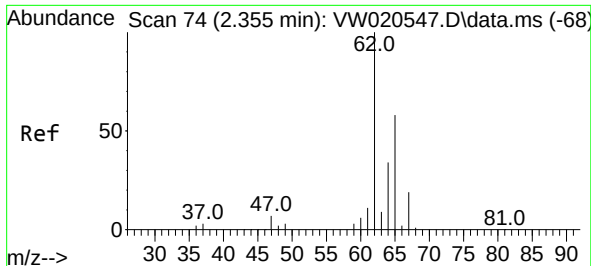
Tgt Ion: 85 Resp: 31195  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 24.9 37.3



#3  
 Chloromethane  
 Concen: 26.997 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

Tgt Ion: 50 Resp: 62393  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 21.5 39.9

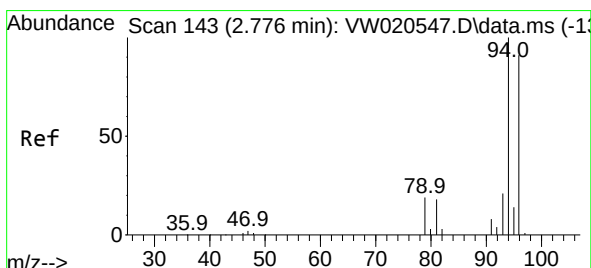
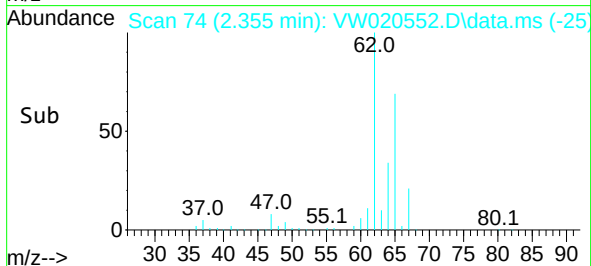
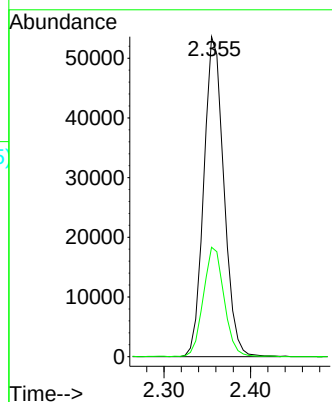
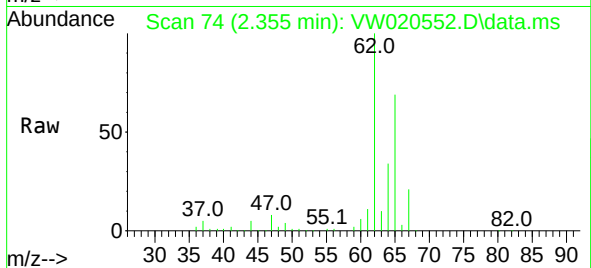




#5  
 Vinyl chloride  
 Concen: 26.583 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

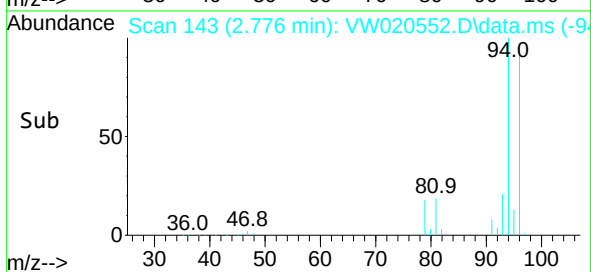
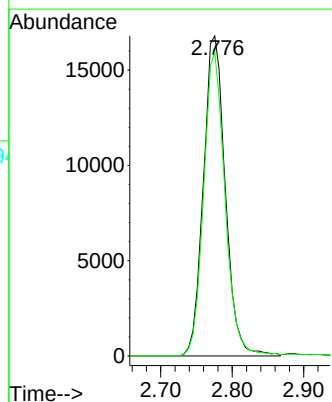
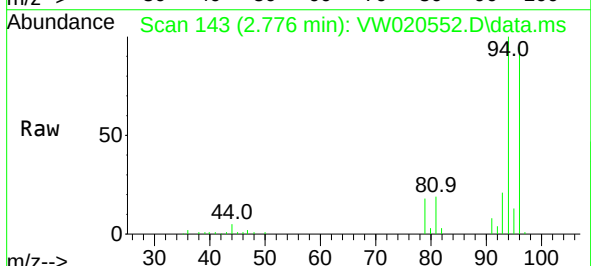
Instrument :  
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 ClientSampleId :

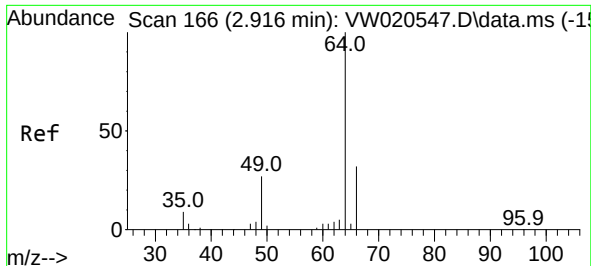
Tgt Ion: 62 Resp: 86411  
 Ion Ratio Lower Upper  
 62 100  
 64 34.2 24.6 45.6



#6  
 Bromomethane  
 Concen: 25.325 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

Tgt Ion: 94 Resp: 35756  
 Ion Ratio Lower Upper  
 94 100  
 96 94.8 67.8 126.0

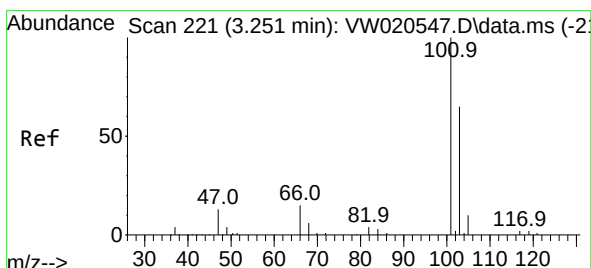
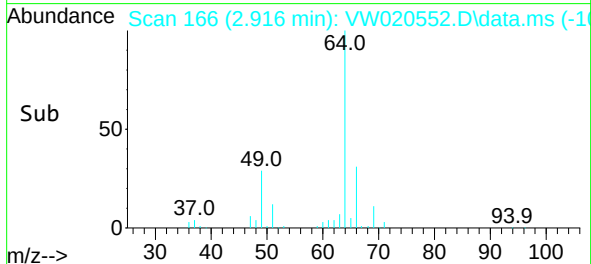
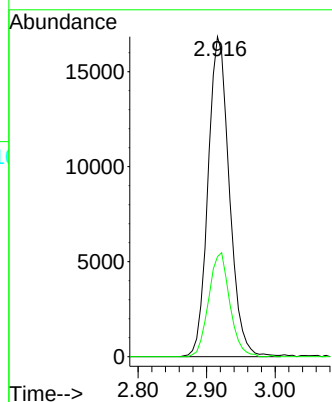
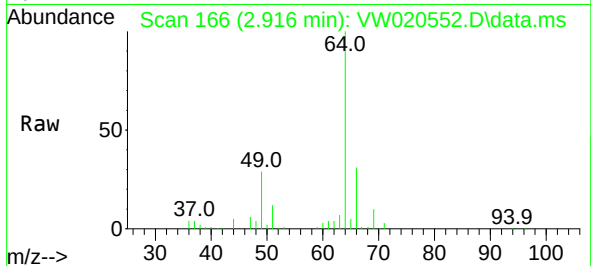




#8  
Chloroethane  
Concen: 30.345 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

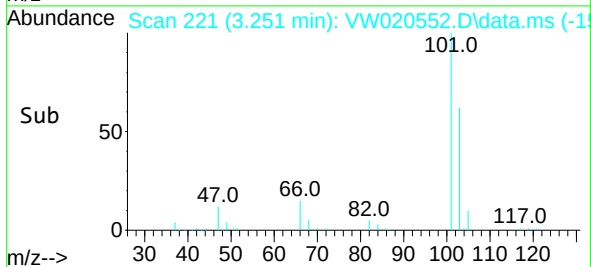
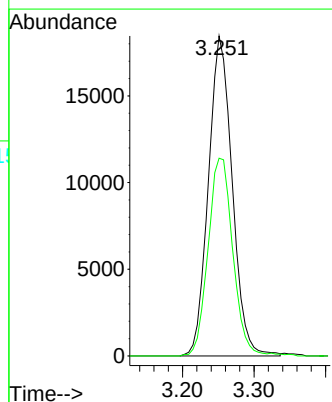
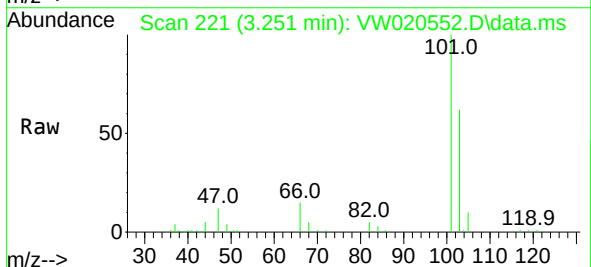
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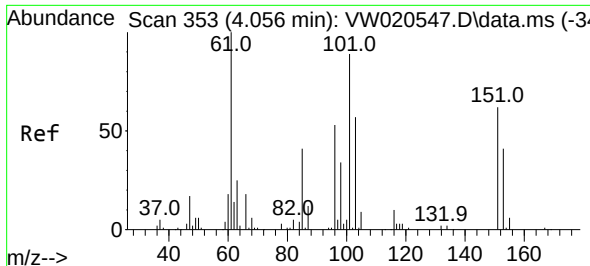
Tgt Ion: 64 Resp: 36423  
Ion Ratio Lower Upper  
64 100  
66 31.2 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 23.110 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion:101 Resp: 42742  
Ion Ratio Lower Upper  
101 100  
103 63.8 52.2 78.4

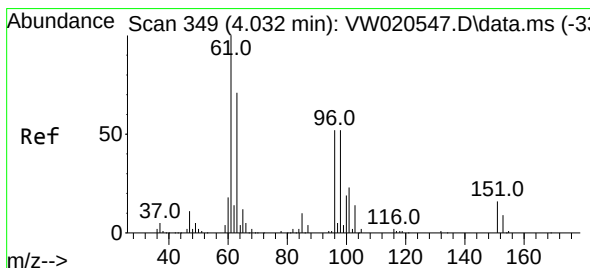
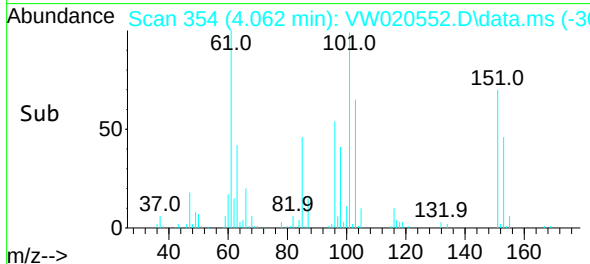
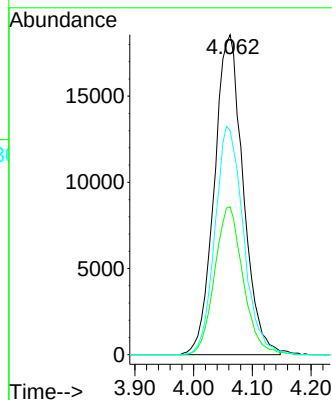
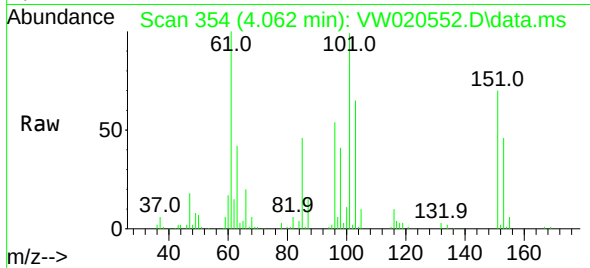




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.004 ug/L  
 RT: 4.062 min Scan# 310  
 Delta R.T. 0.006 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

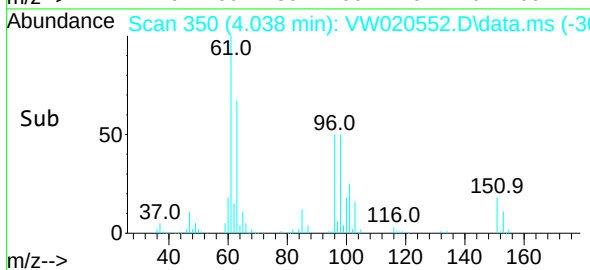
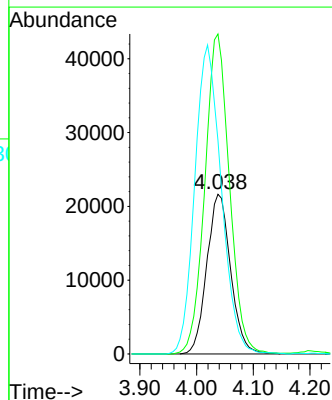
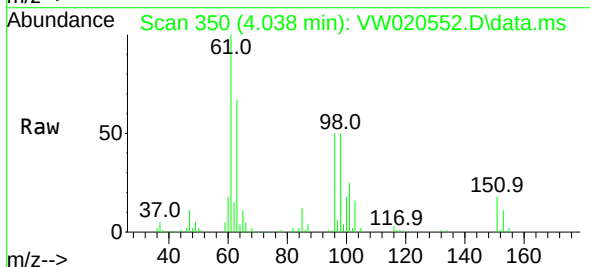
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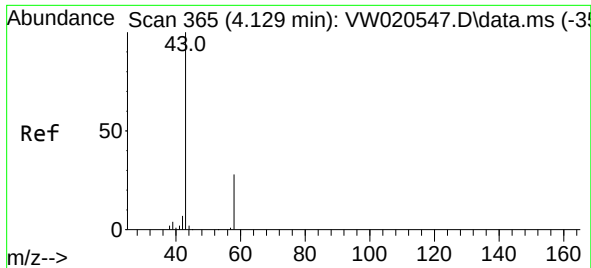
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 Ion Ratio Lower Upper  
 101 100  
 85 45.6 36.3 54.5  
 151 70.5 56.5 84.7



#12  
 1,1-Dichloroethene  
 Concen: 26.108 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.006 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

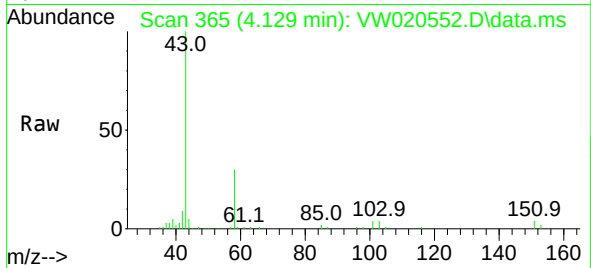
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 Ion Ratio Lower Upper  
 96 100  
 61 200.4 133.9 248.7  
 63 133.8 77.3 143.7



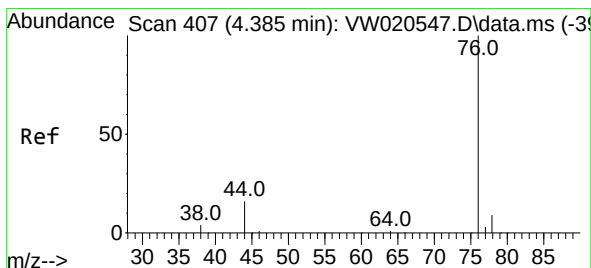
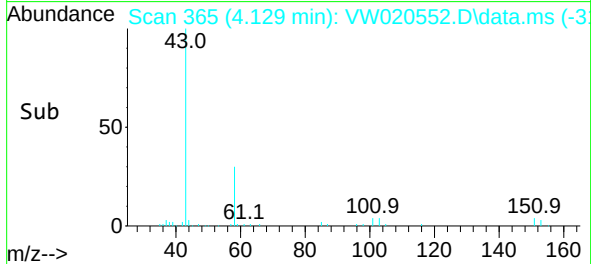
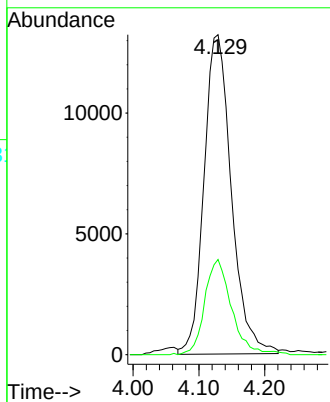


#13  
Acetone  
Concen: 54.771 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

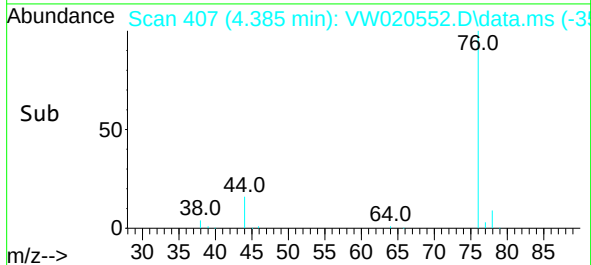
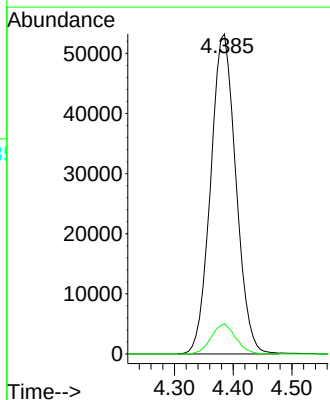
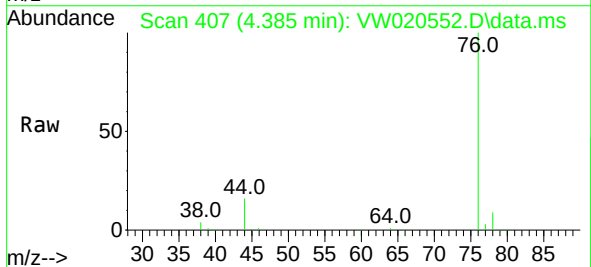


Tgt Ion: 43 Resp: 38303  
Ion Ratio Lower Upper  
43 100  
58 28.6 0.0 58.4

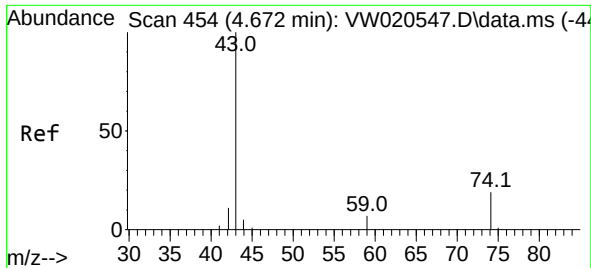


#14  
Carbon disulfide  
Concen: 20.245 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 76 Resp: 159255  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.2



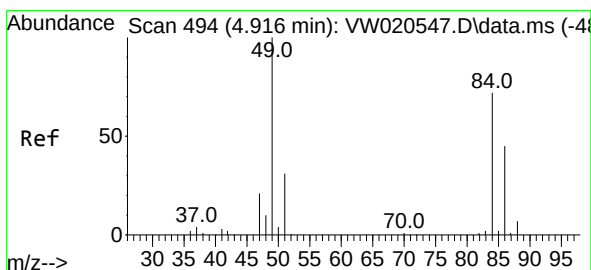
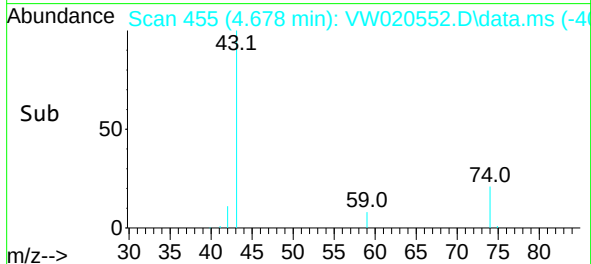
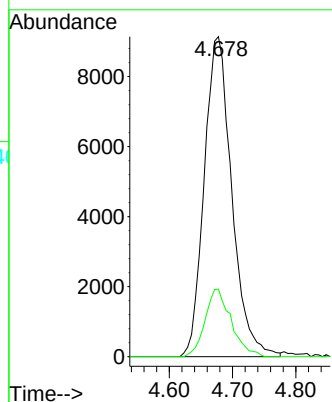
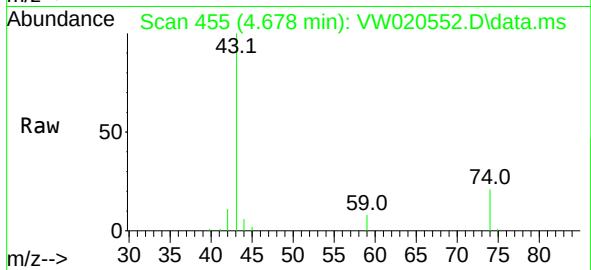




#15  
Methyl Acetate  
Concen: 21.313 ug/L  
RT: 4.678 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

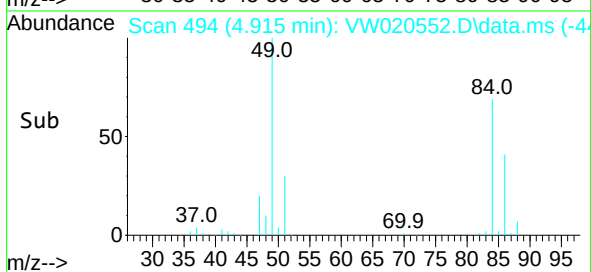
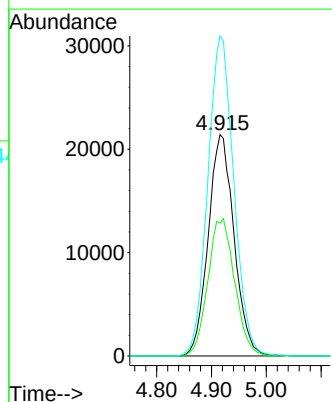
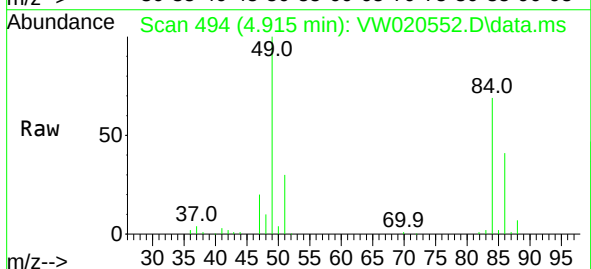
Instrument :  
MSVOA\_W  
ClientSampleId :

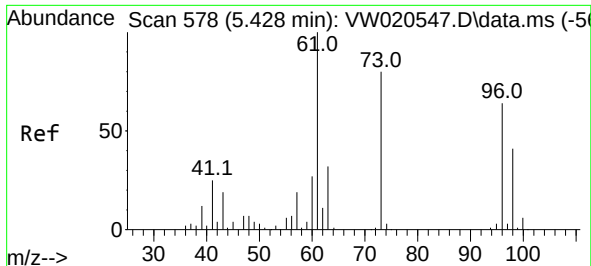
Tgt Ion: 43 Resp: 27679  
Ion Ratio Lower Upper  
43 100  
74 20.0 16.1 24.1



#16  
Methylene chloride  
Concen: 20.978 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 84 Resp: 70147  
Ion Ratio Lower Upper  
84 100  
86 60.0 44.7 83.1  
49 144.6 101.7 188.9





#17

trans-1,2-Dichloroethene

Concen: 24.849 ug/L

RT: 5.428 min Scan# 51

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :

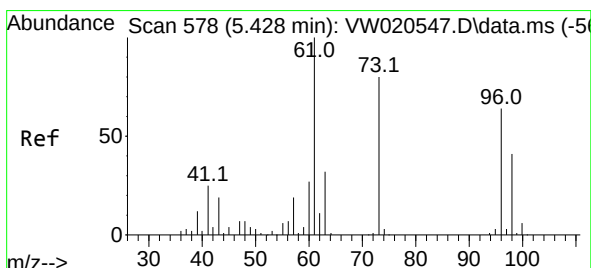
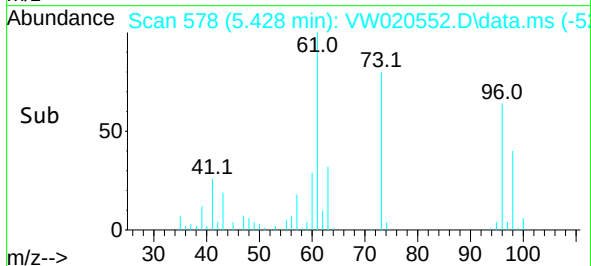
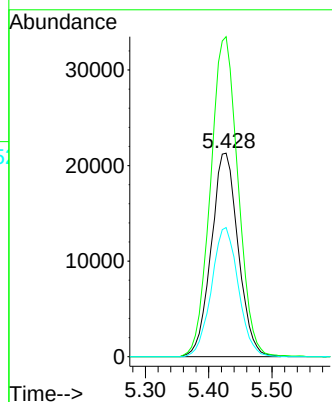
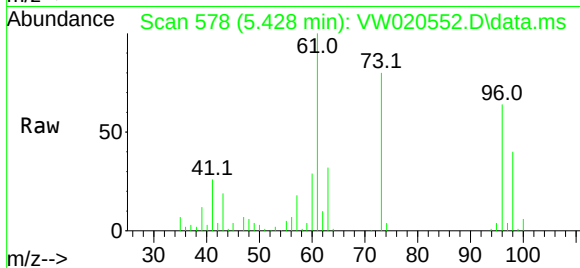
Tgt Ion: 96 Resp: 63051

Ion Ratio Lower Upper

96 100

61 157.2 110.7 205.5

98 63.4 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 25.999 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.006 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

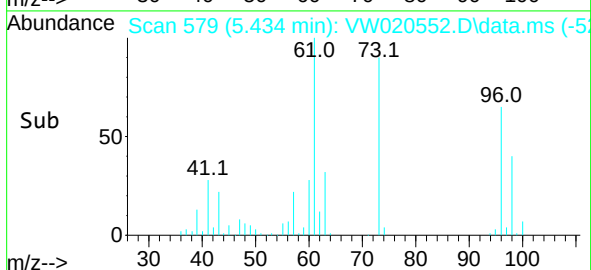
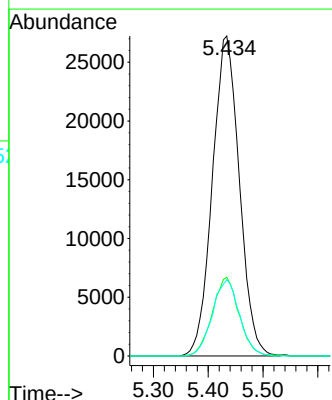
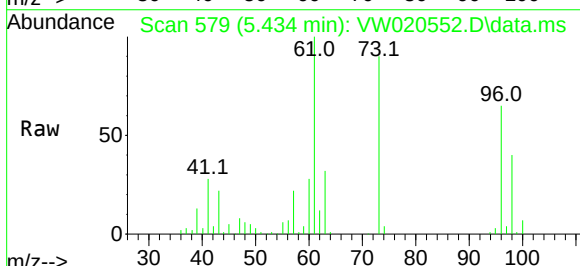
Tgt Ion: 73 Resp: 92942

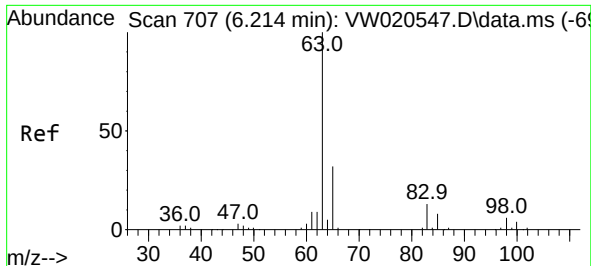
Ion Ratio Lower Upper

73 100

43 24.4 18.9 28.3

57 24.0 18.9 28.3

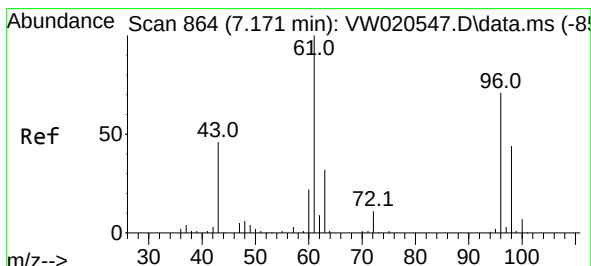
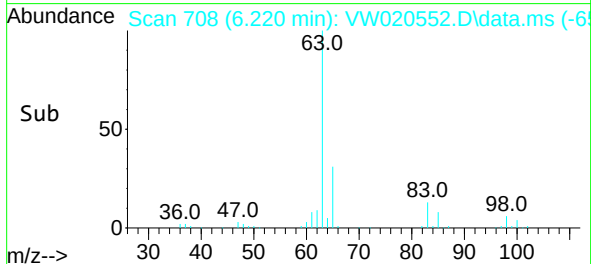
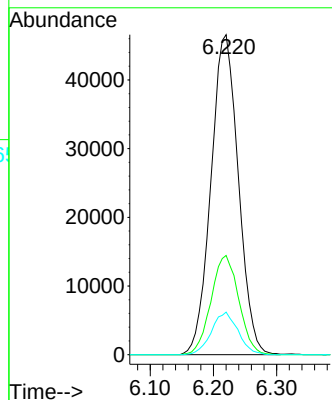
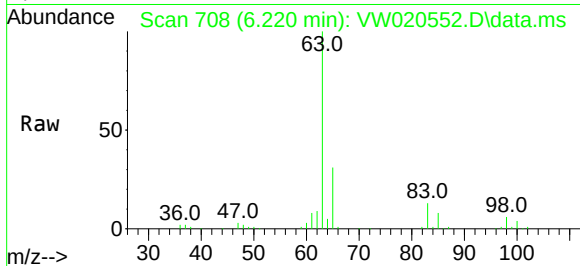




#19  
 1,1-Dichloroethane  
 Concen: 26.950 ug/L  
 RT: 6.220 min Scan# 707  
 Delta R.T. 0.006 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

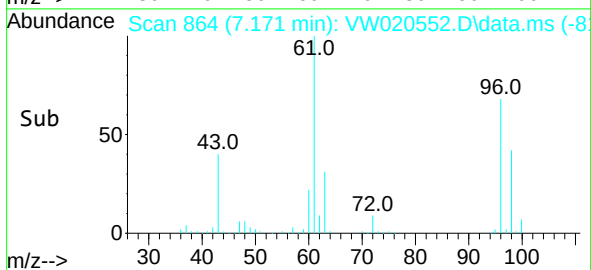
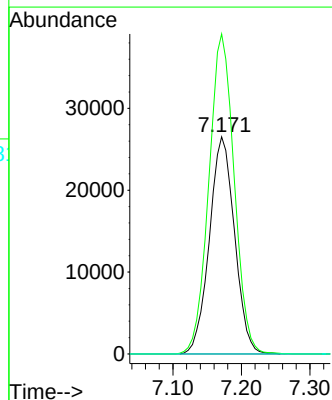
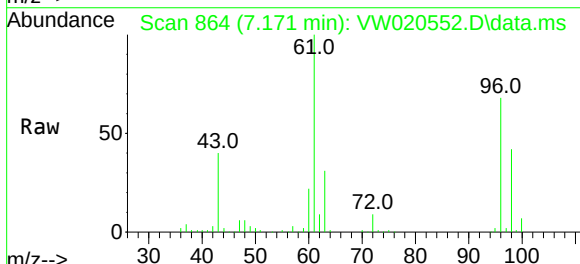
Instrument :  
 MSVOA\_W  
 ClientSampleId :

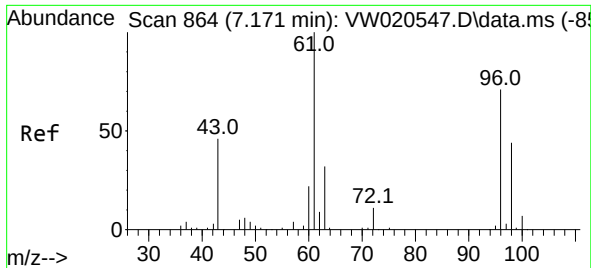
Tgt Ion: 63 Resp: 140186  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 21.9 40.7  
 83 13.3 9.0 16.6



#20  
 cis-1,2-Dichloroethene  
 Concen: 25.649 ug/L  
 RT: 7.171 min Scan# 864  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

Tgt Ion: 96 Resp: 67644  
 Ion Ratio Lower Upper  
 96 100  
 61 147.3 100.3 186.3  
 68 0.0 0.0 0.0

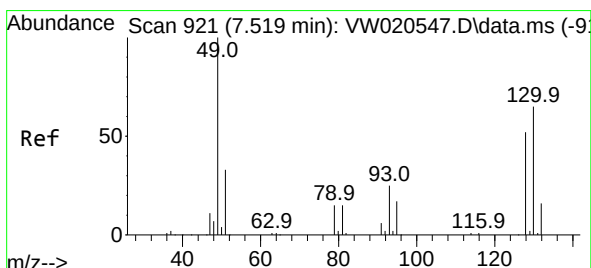
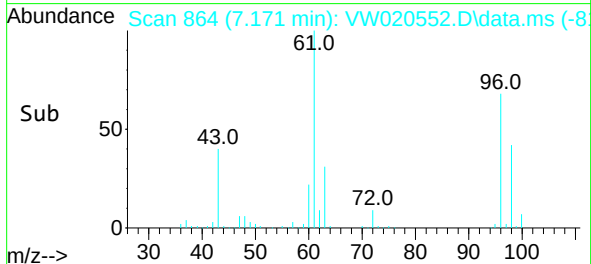
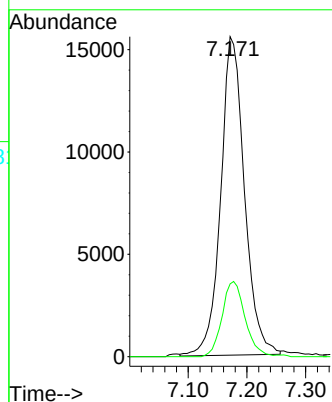
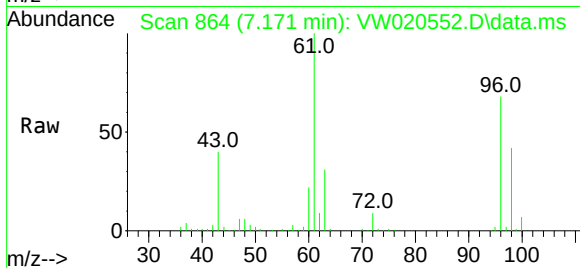




#22  
2-Butanone  
Concen: 49.988 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

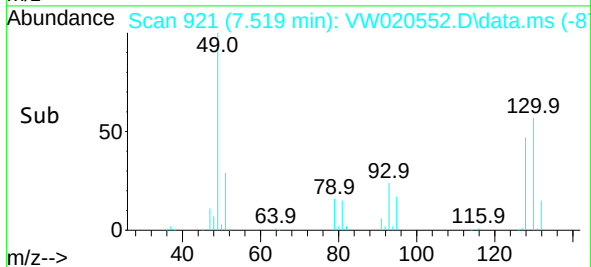
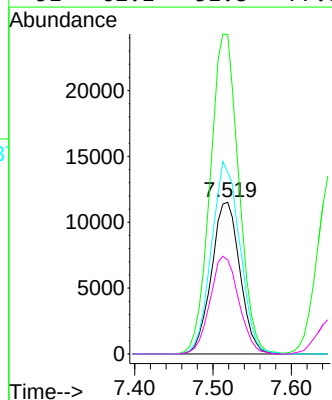
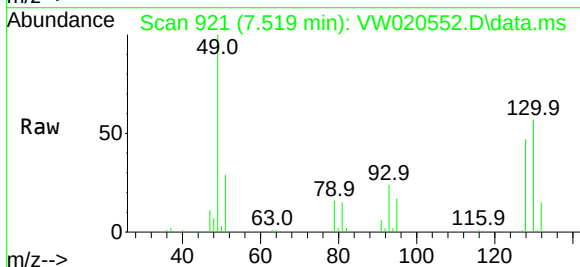
Instrument :  
MSVOA\_W  
ClientSampleId :

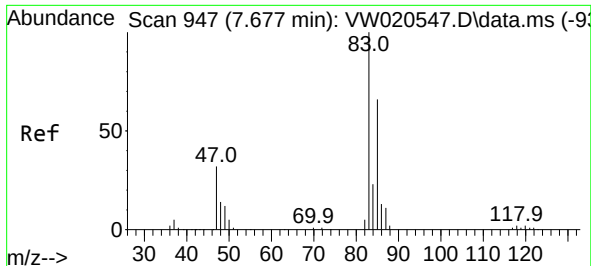
Tgt Ion: 43 Resp: 43759  
Ion Ratio Lower Upper  
43 100  
72 22.8 12.2 36.6



#23  
Bromochloromethane  
Concen: 25.099 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

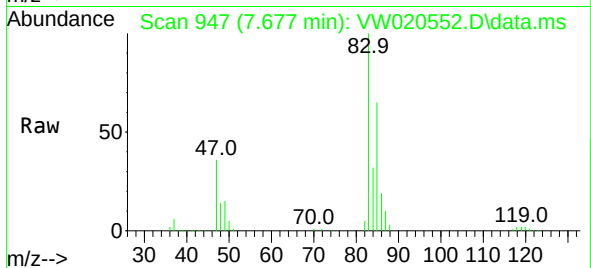
Tgt Ion:128 Resp: 29033  
Ion Ratio Lower Upper  
128 100  
49 210.8 144.1 267.7  
130 119.6 89.2 165.6  
51 62.1 51.8 77.8



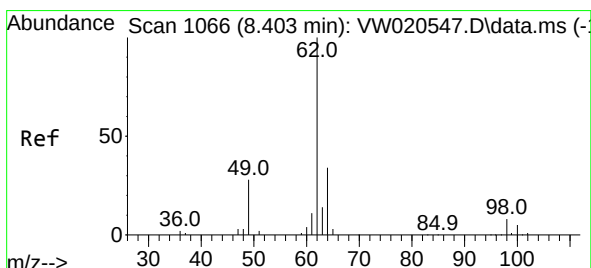
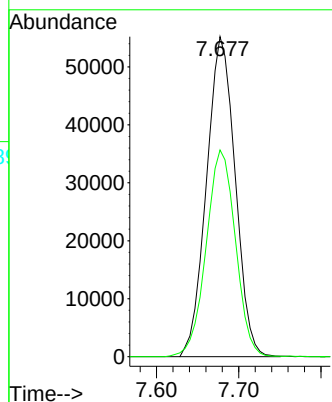
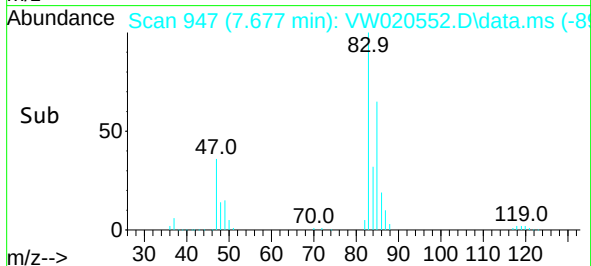


#25  
Chloroform  
Concen: 26.478 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

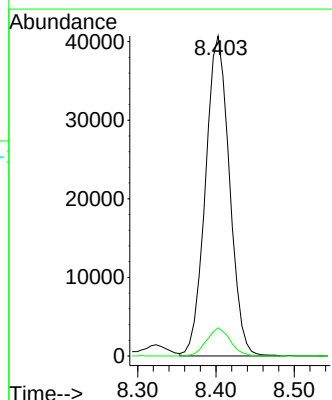
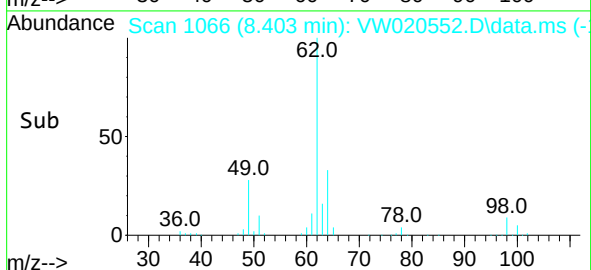
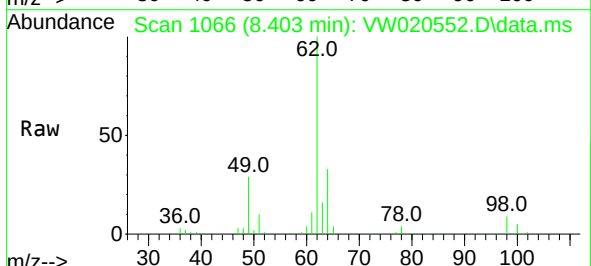


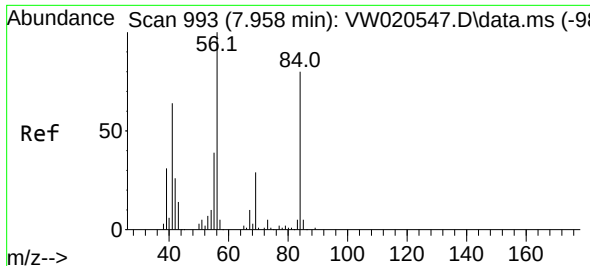
Tgt Ion: 83 Resp: 133896  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 25.071 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

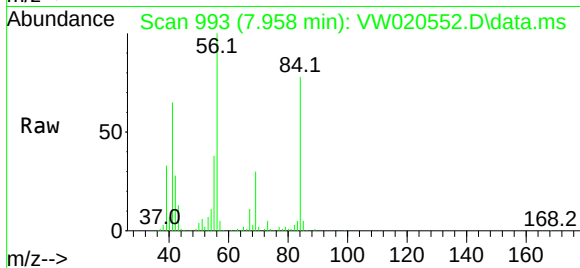
Tgt Ion: 62 Resp: 86713  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.6 10.0



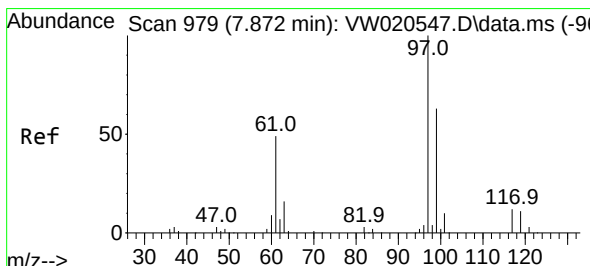
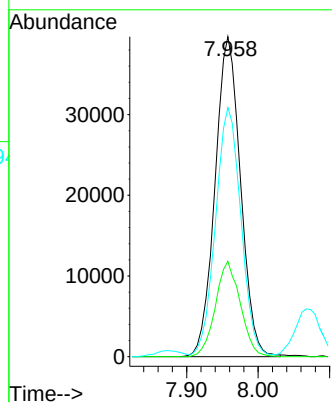
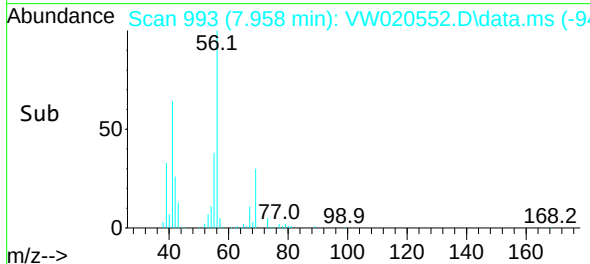


#29  
Cyclohexane  
Concen: 25.511 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

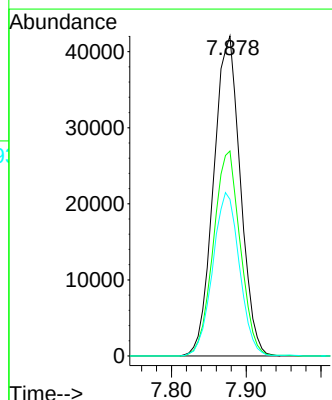
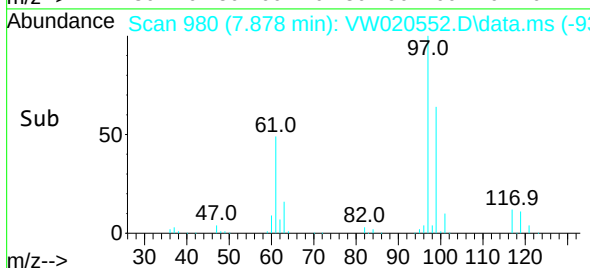
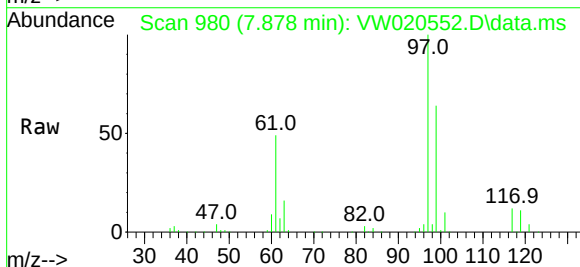


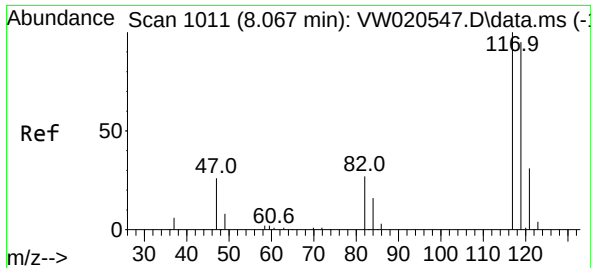
Tgt Ion: 56 Resp: 98036  
Ion Ratio Lower Upper  
56 100  
69 29.1 23.2 34.8  
84 78.0 63.7 95.5



#30  
1,1,1-Trichloroethane  
Concen: 32.157 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 97 Resp: 104859  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.4 77.0  
61 51.1 41.0 61.6

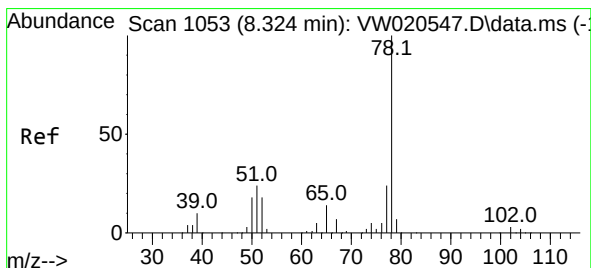
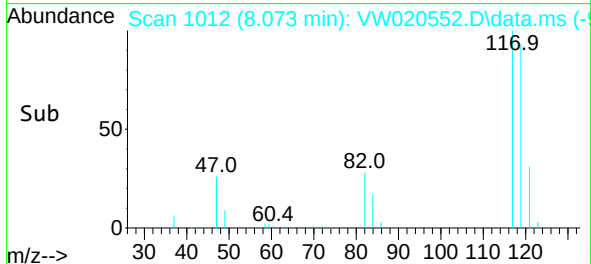
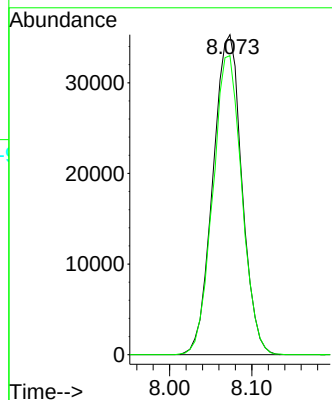
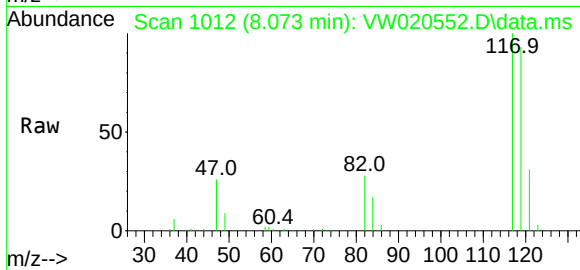




#31  
Carbon tetrachloride  
Concen: 30.085 ug/L  
RT: 8.073 min Scan# 1011  
Delta R.T. 0.006 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

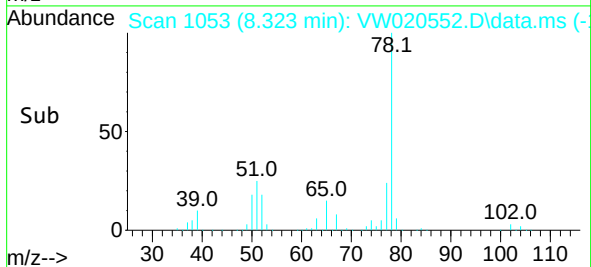
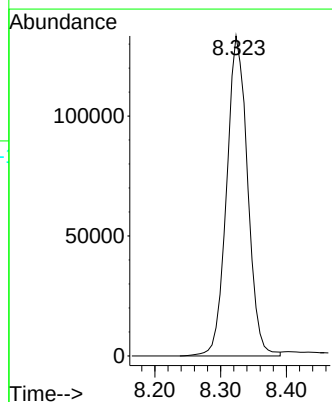
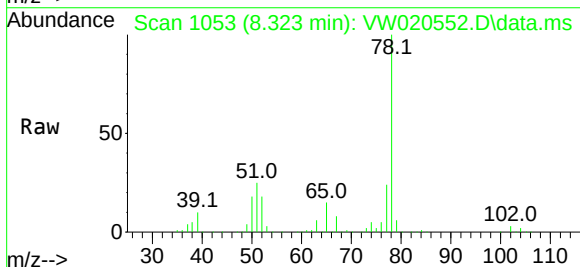
Instrument :  
MSVOA\_W  
ClientSampleId :

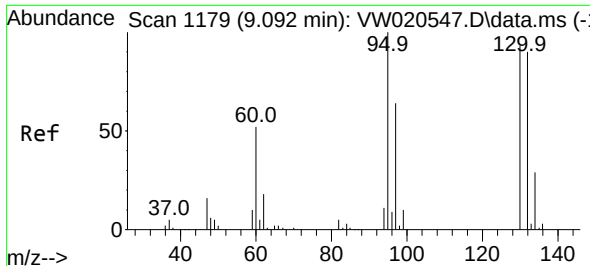
Tgt Ion:117 Resp: 86254  
Ion Ratio Lower Upper  
117 100  
119 93.8 77.0 115.4



#33  
Benzene  
Concen: 31.624 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

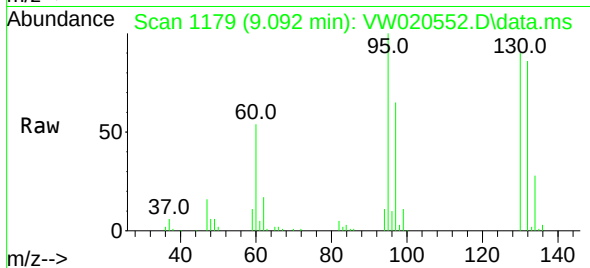
Tgt Ion: 78 Resp: 295665





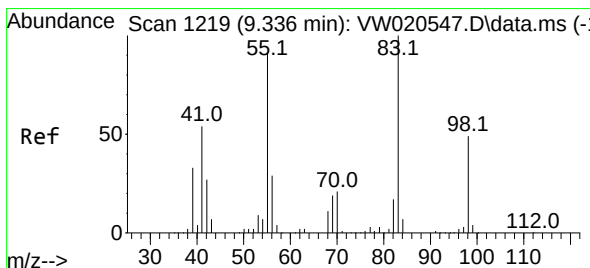
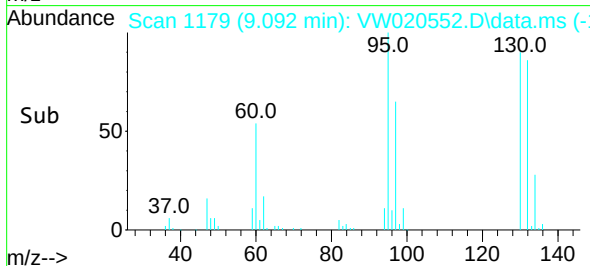
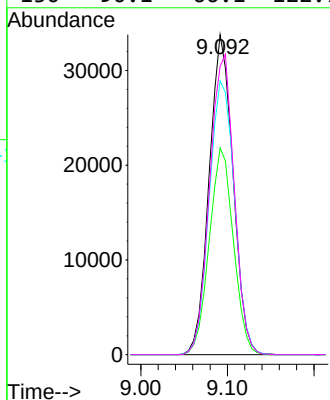
#34  
Trichloroethene  
Concen: 28.062 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 95 Resp: 64635

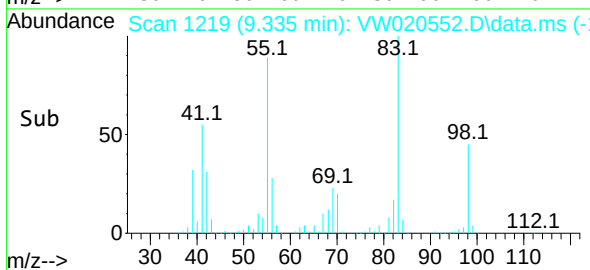
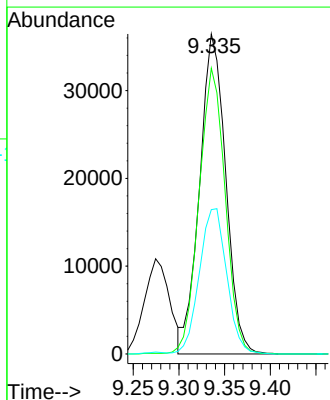
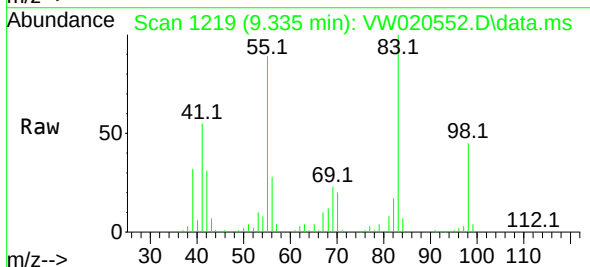
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.6  | 43.2  | 80.2  |
| 132 | 85.6  | 62.3  | 115.7 |
| 130 | 90.1  | 66.1  | 122.7 |



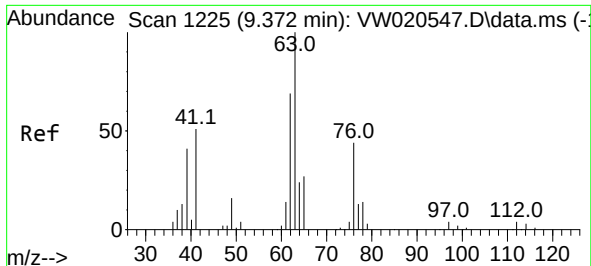
#35  
Methylcyclohexane  
Concen: 18.355 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 83 Resp: 72348

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 89.4  | 69.7  | 104.5 |
| 98  | 47.7  | 38.2  | 57.2  |







#37

1,2-Dichloropropane

Concen: 30.960 ug/L

RT: 9.372 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

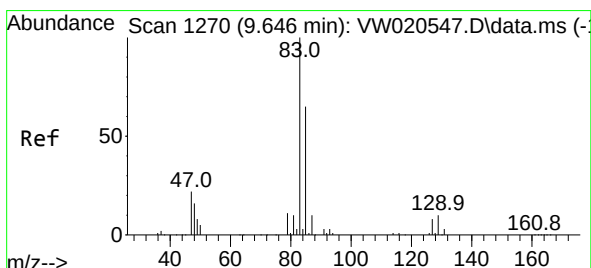
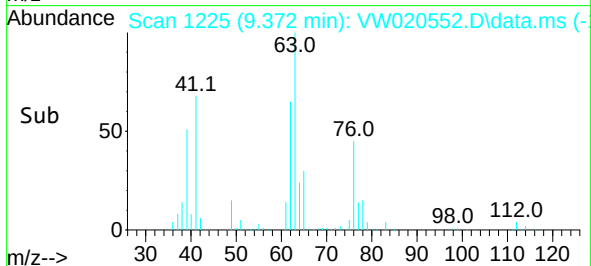
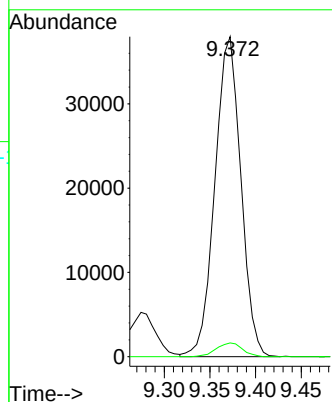
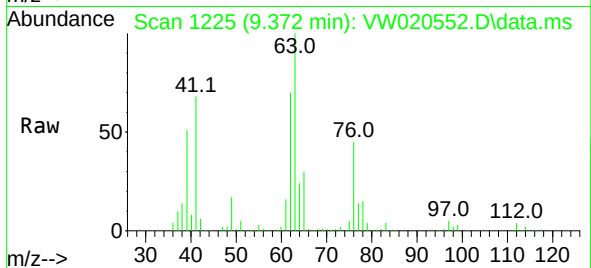
ClientSampleId :

Tgt Ion: 63 Resp: 74958

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 30.495 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

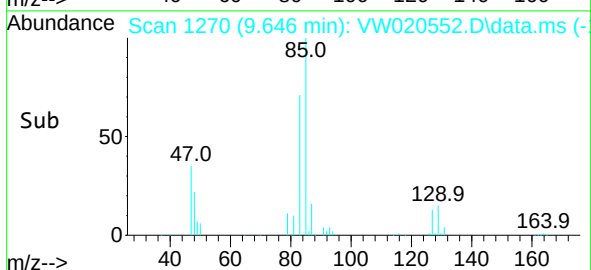
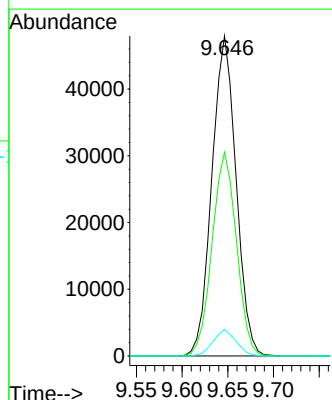
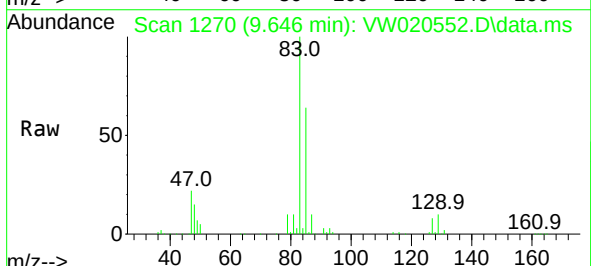
Tgt Ion: 83 Resp: 88523

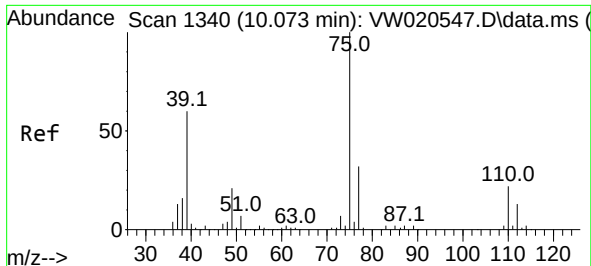
Ion Ratio Lower Upper

83 100

85 63.7 43.4 80.6

127 8.3 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 28.961 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

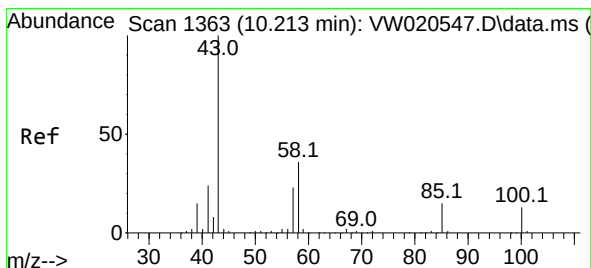
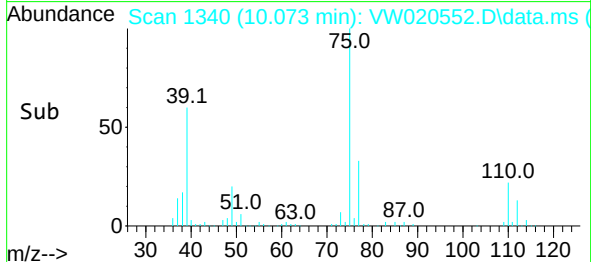
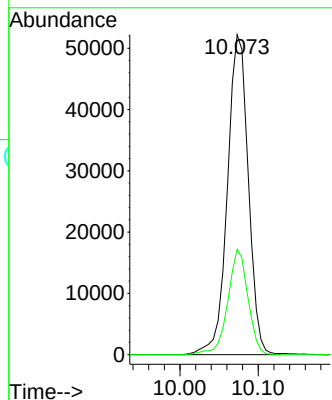
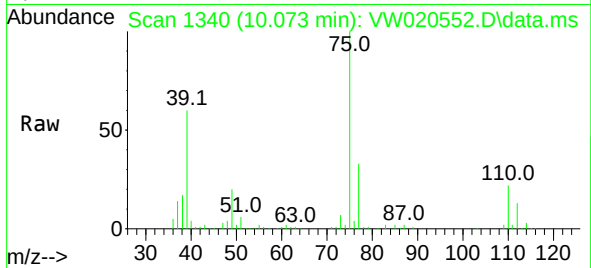
ClientSampleId :

Tgt Ion: 75 Resp: 96742

Ion Ratio Lower Upper

75 100

77 32.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 58.789 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

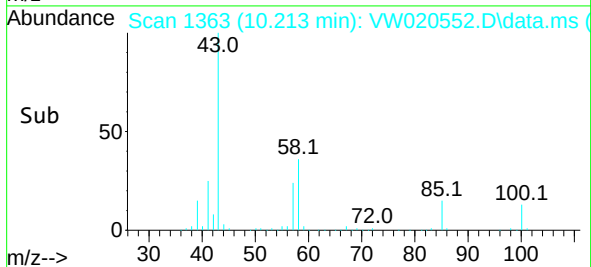
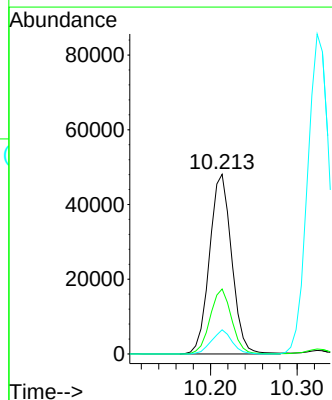
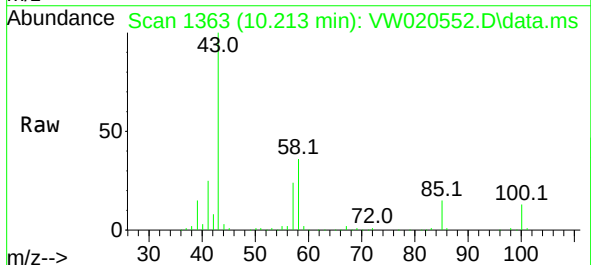
Tgt Ion: 43 Resp: 85430

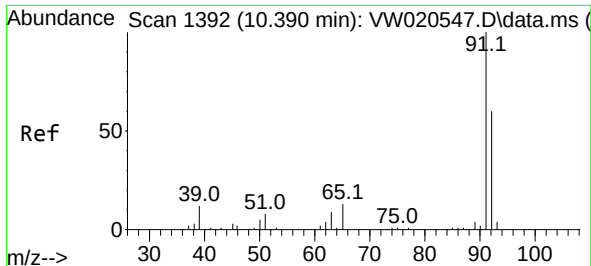
Ion Ratio Lower Upper

43 100

58 35.2 29.0 43.4

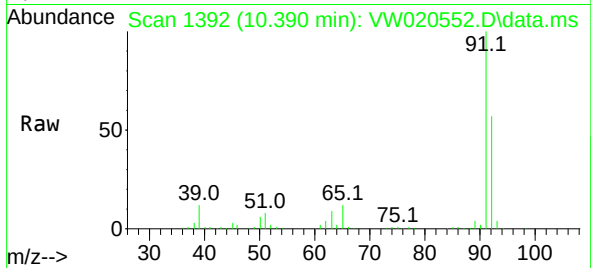
100 12.3 10.2 15.4



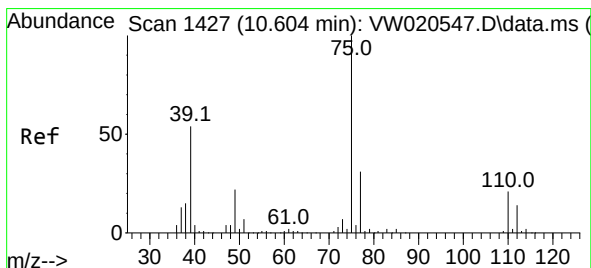
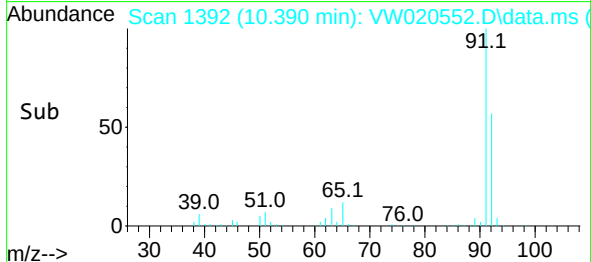
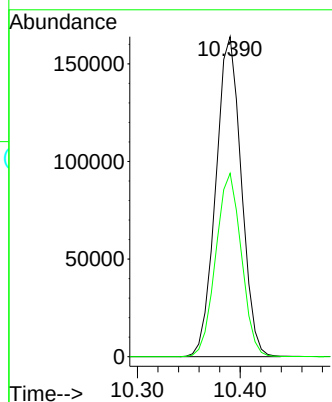


#42  
Toluene  
Concen: 30.085 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

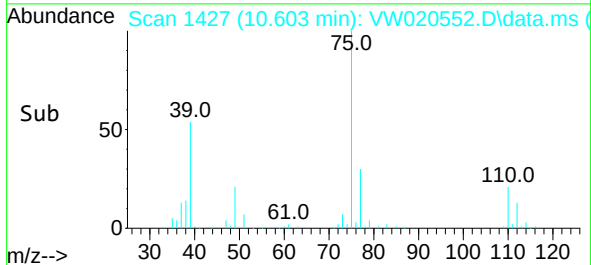
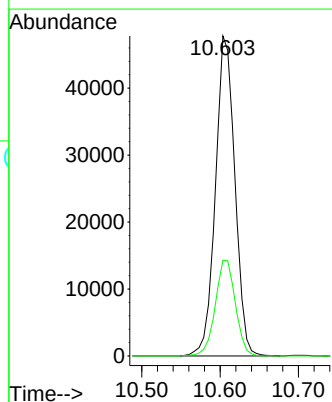
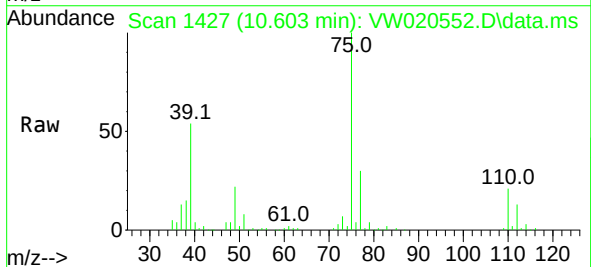


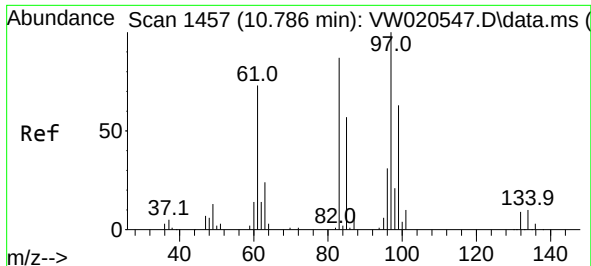
Tgt Ion: 91 Resp: 282132  
Ion Ratio Lower Upper  
91 100  
92 57.3 41.5 77.1



#44  
trans-1,3-Dichloropropene  
Concen: 28.004 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 75 Resp: 82465  
Ion Ratio Lower Upper  
75 100  
77 29.9 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 28.387 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 44128

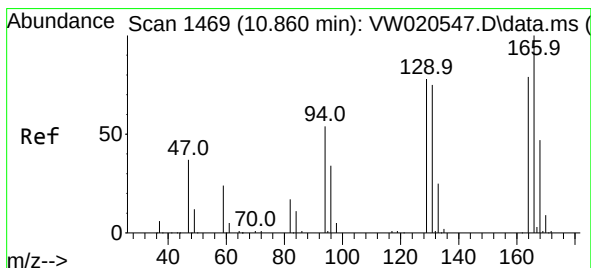
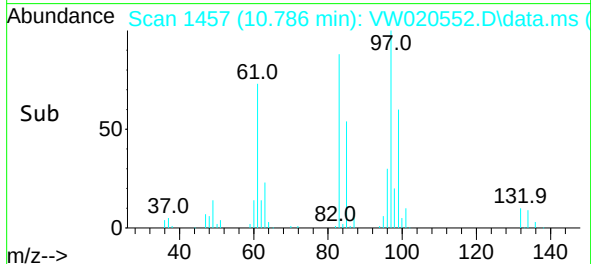
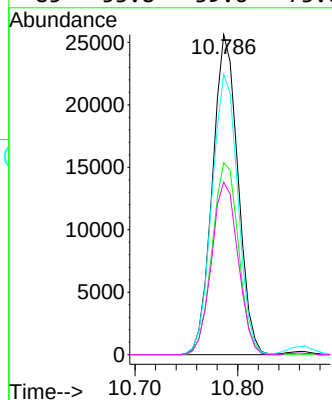
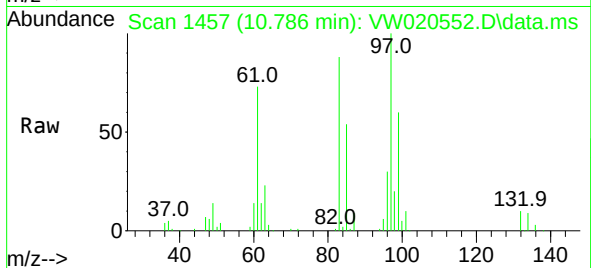
Ion Ratio Lower Upper

97 100

99 60.0 42.8 79.4

83 87.6 60.9 113.1

85 53.8 39.6 73.6



#46

Tetrachloroethene

Concen: 24.628 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Tgt Ion:164 Resp: 40745

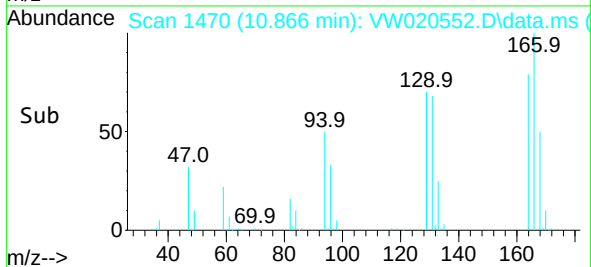
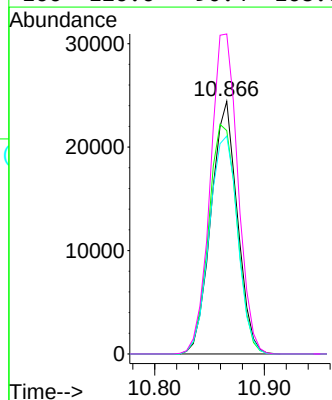
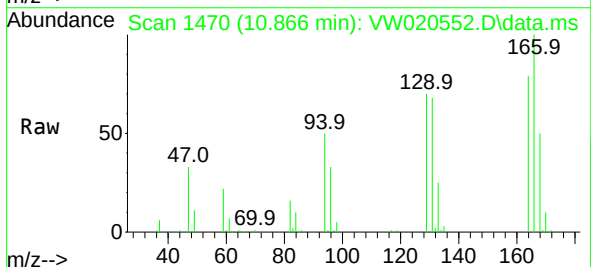
Ion Ratio Lower Upper

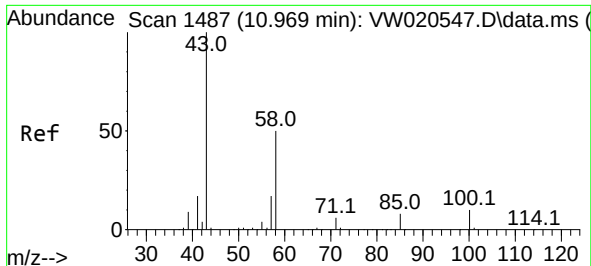
164 100

129 88.4 69.1 128.3

131 86.2 58.3 108.3

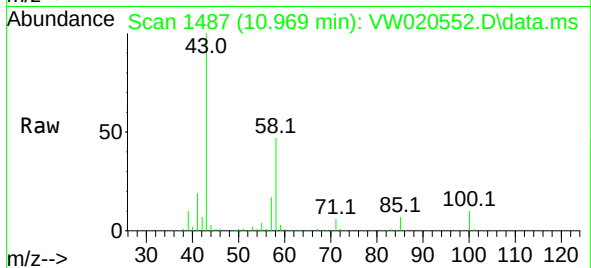
166 126.6 90.4 168.0



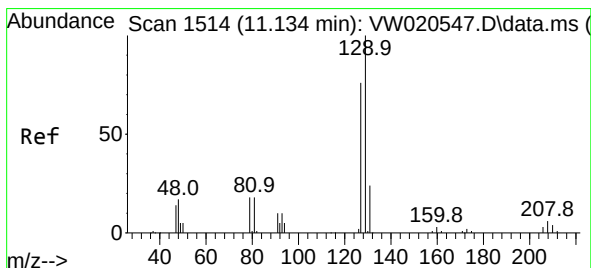
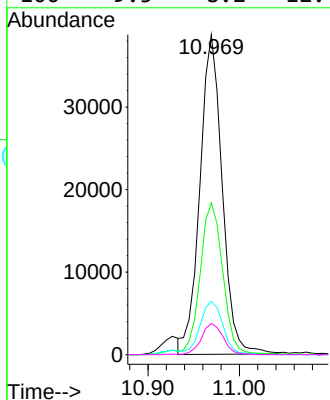
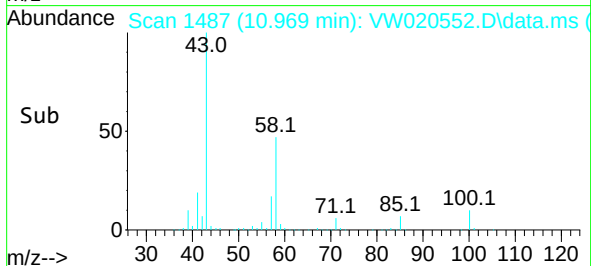


#48  
2-Hexanone  
Concen: 61.580 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

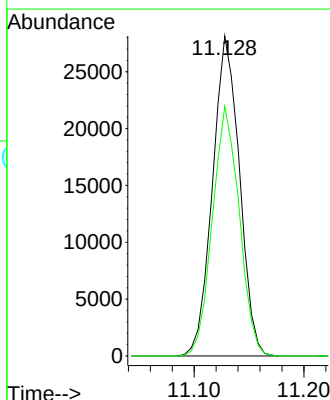
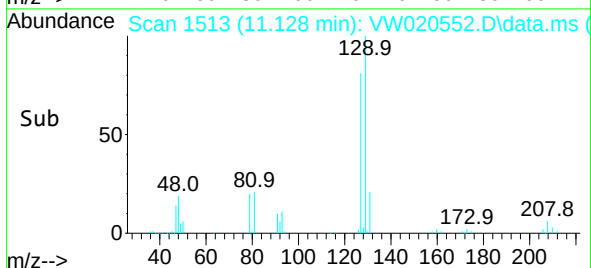
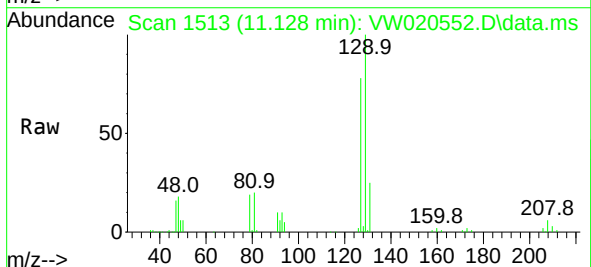


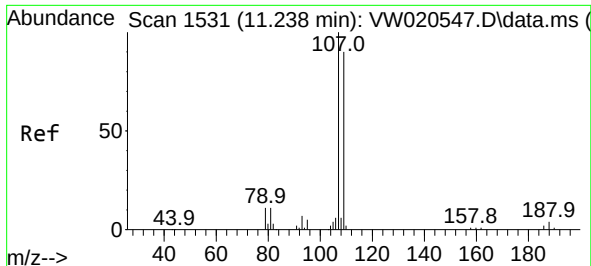
Tgt Ion: 43 Resp: 65655  
Ion Ratio Lower Upper  
43 100  
58 48.1 39.5 59.3  
57 16.9 14.2 21.4  
100 9.5 8.2 12.4



#49  
Dibromochloromethane  
Concen: 28.045 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.006 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 129 Resp: 48031  
Ion Ratio Lower Upper  
129 100  
127 78.0 55.1 102.3

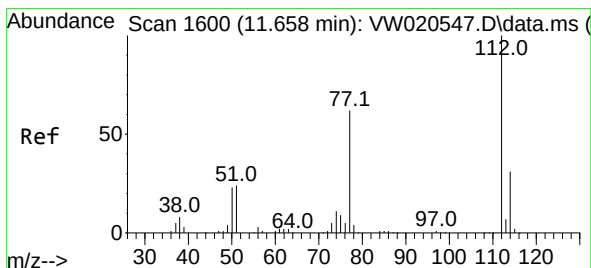
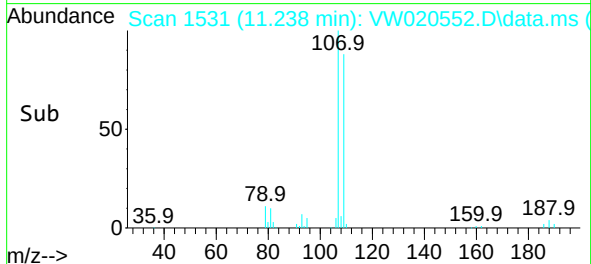
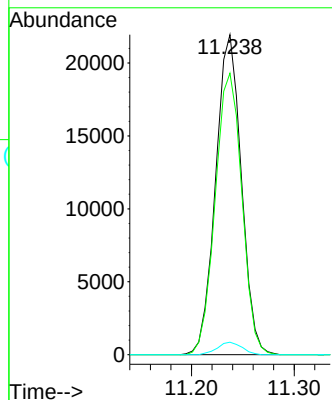
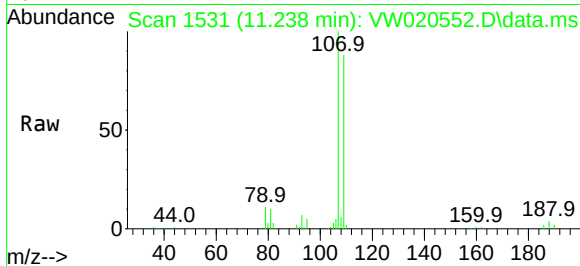




#50  
1,2-Dibromoethane  
Concen: 26.678 ug/L  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

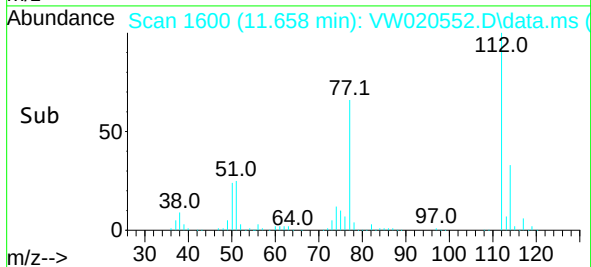
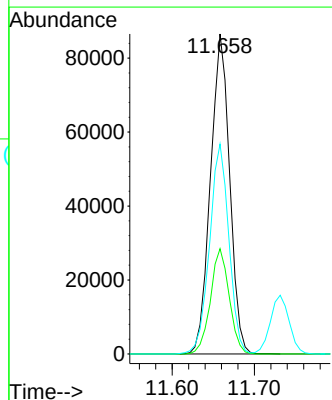
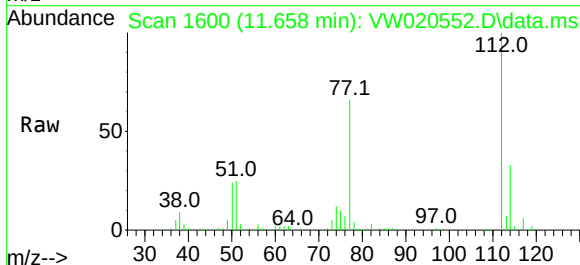
Instrument :  
MSVOA\_W  
ClientSampleId :

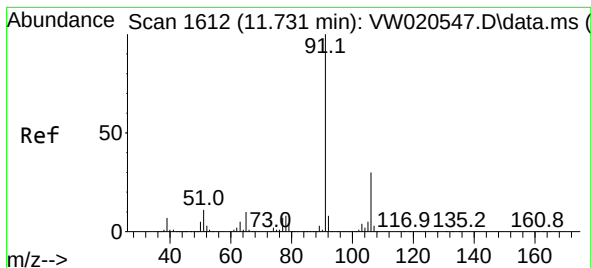
Tgt Ion:107 Resp: 38094  
Ion Ratio Lower Upper  
107 100  
109 87.9 64.5 119.9  
188 3.9 3.2 4.8



#51  
Chlorobenzene  
Concen: 24.258 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion:112 Resp: 140281  
Ion Ratio Lower Upper  
112 100  
114 32.9 22.3 41.5  
77 65.6 50.7 76.1

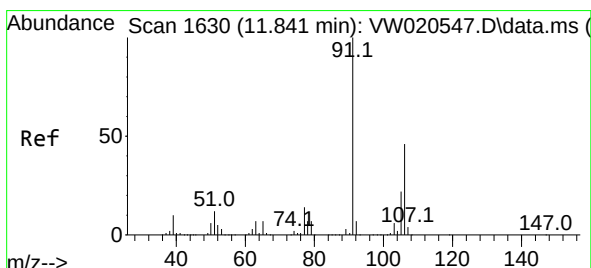
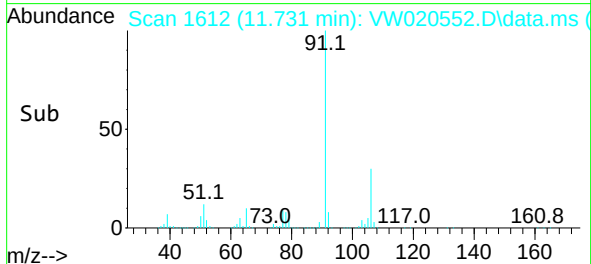
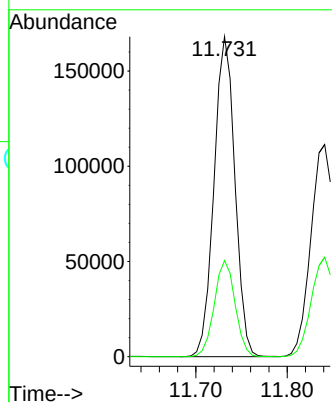
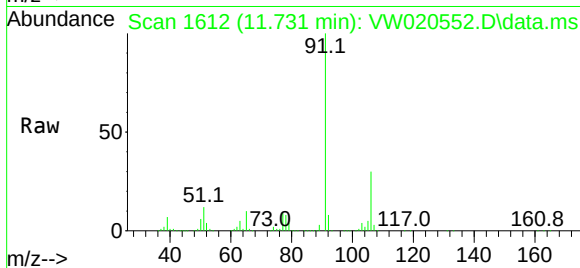




#52  
Ethylbenzene  
Concen: 26.234 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

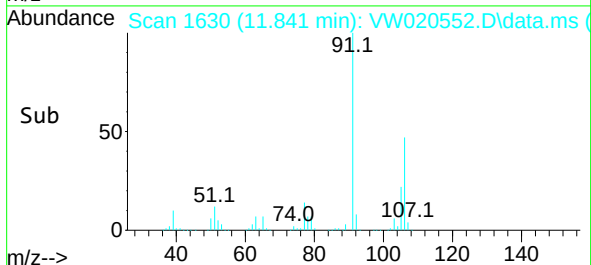
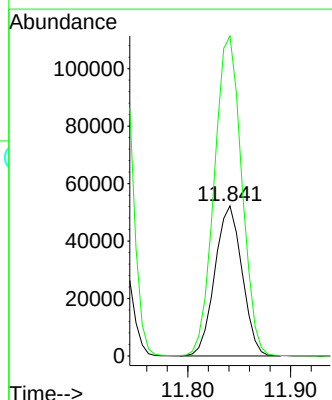
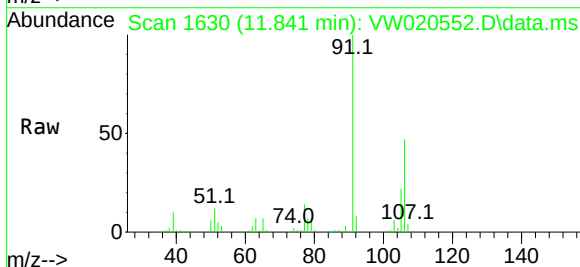
Instrument :  
MSVOA\_W  
ClientSampleId :

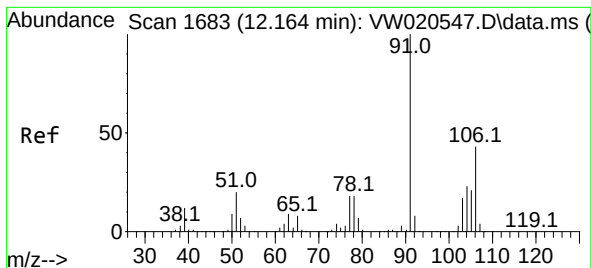
Tgt Ion: 91 Resp: 266776  
Ion Ratio Lower Upper  
91 100  
106 30.1 21.3 39.5



#53  
m,p-Xylene  
Concen: 25.518 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion: 106 Resp: 96148  
Ion Ratio Lower Upper  
106 100  
91 213.2 148.2 275.2

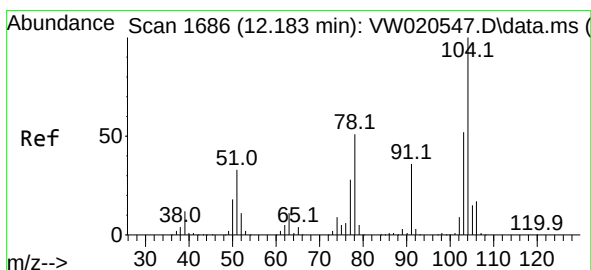
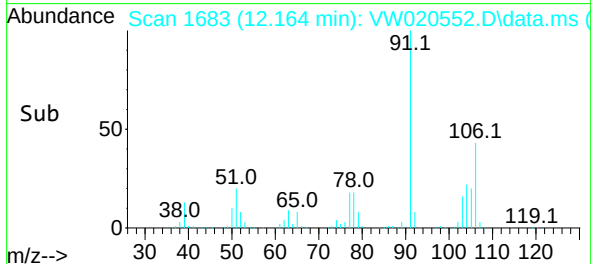
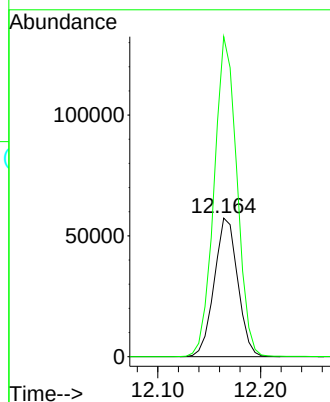
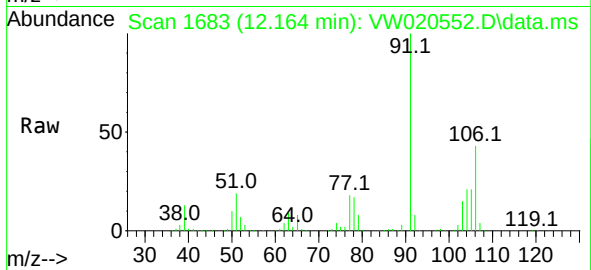




#54  
o-Xylene  
Concen: 26.130 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

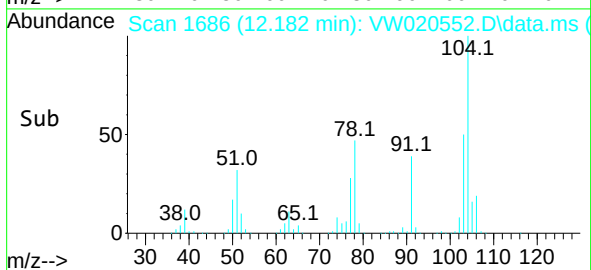
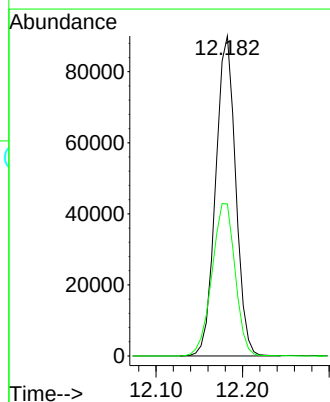
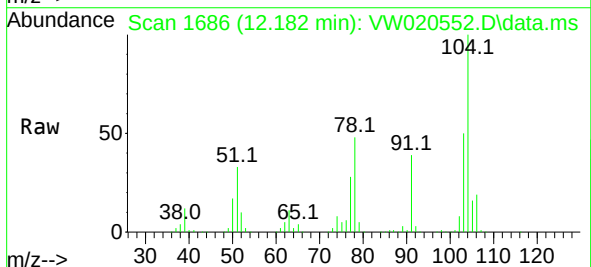
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 90925  
Ion Ratio Lower Upper  
106 100  
91 230.9 156.1 289.9

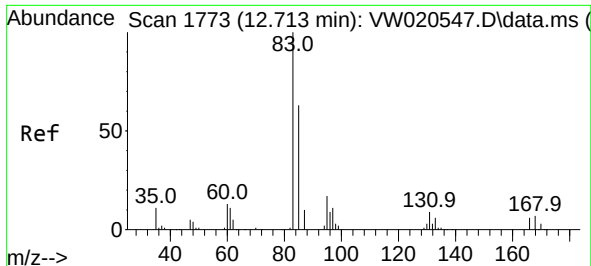


#55  
Styrene  
Concen: 23.751 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion:104 Resp: 144504  
Ion Ratio Lower Upper  
104 100  
78 47.5 33.2 61.7







#57

1,1,2,2-Tetrachloroethane

Concen: 23.672 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :

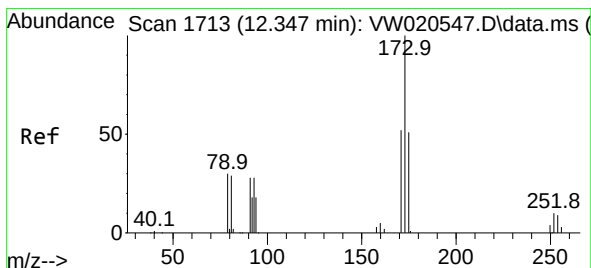
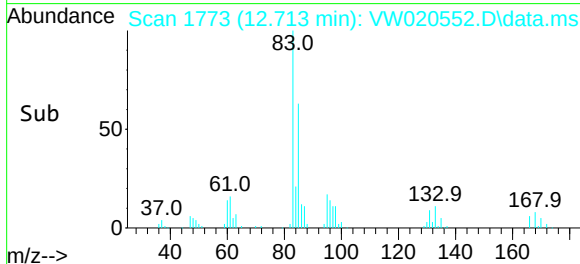
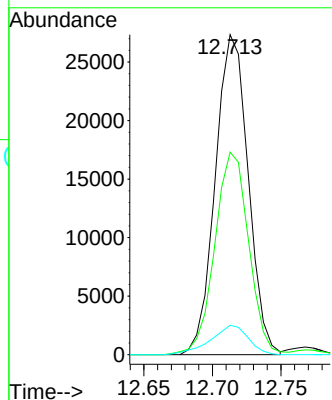
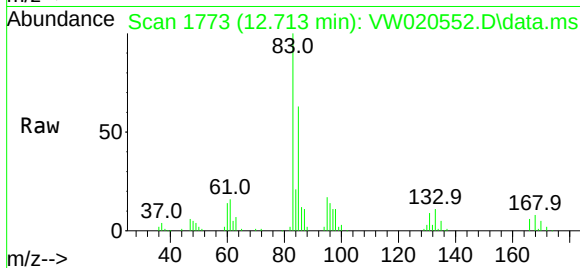
Tgt Ion: 83 Resp: 45618

Ion Ratio Lower Upper

83 100

85 63.3 45.9 85.3

131 9.2 7.4 11.2



#59

Bromoform

Concen: 35.953 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

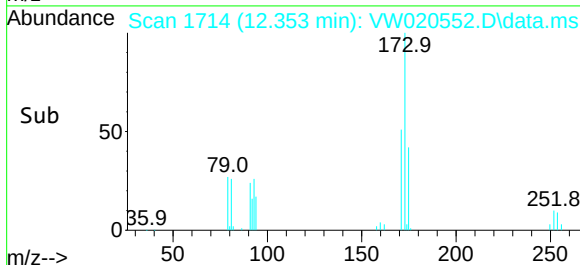
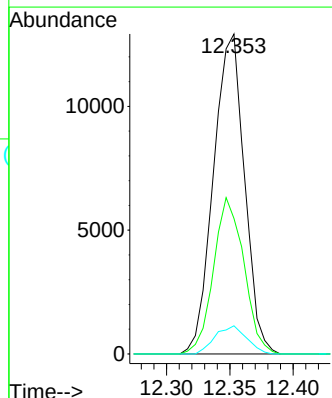
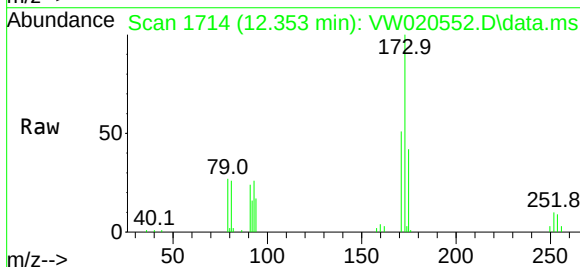
Tgt Ion:173 Resp: 22001

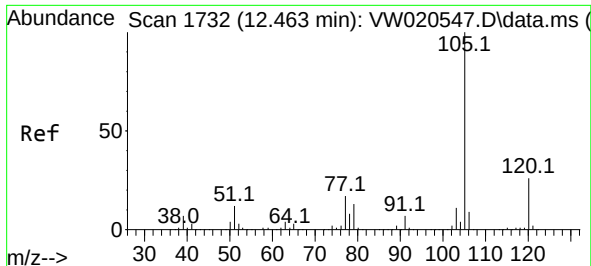
Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

254 8.9 7.3 10.9





#60

Isopropylbenzene

Concen: 34.554 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :

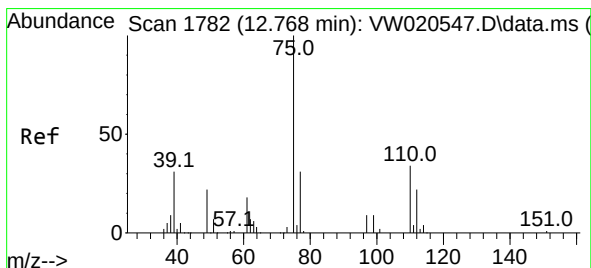
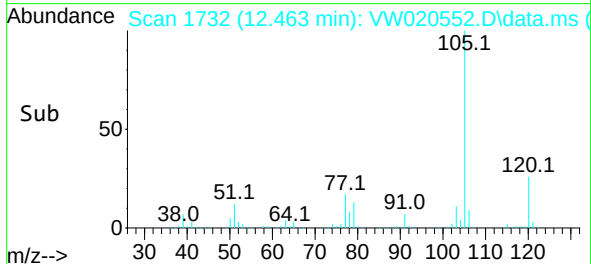
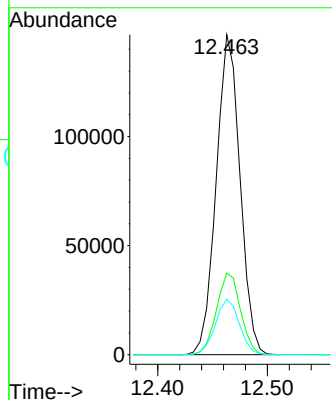
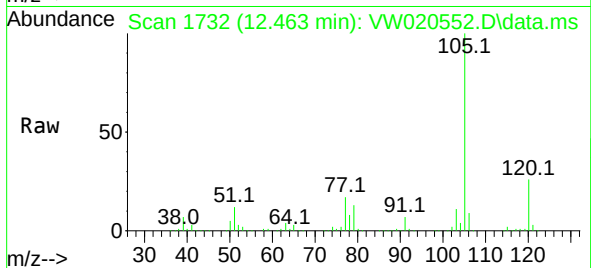
Tgt Ion:105 Resp: 221538

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

77 17.5 13.8 20.6



#61

1,2,3-Trichloropropane

Concen: 37.292 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

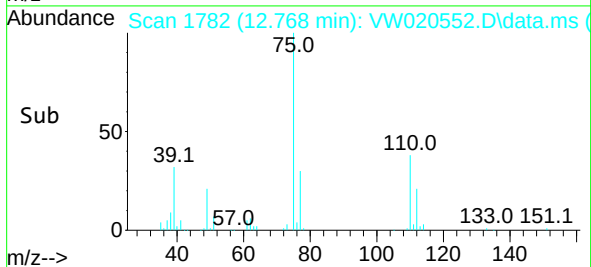
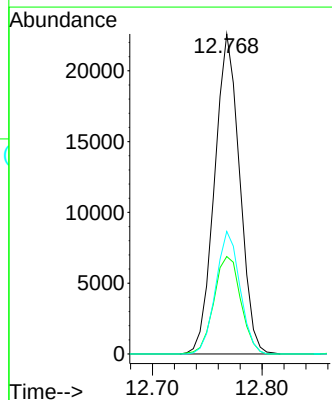
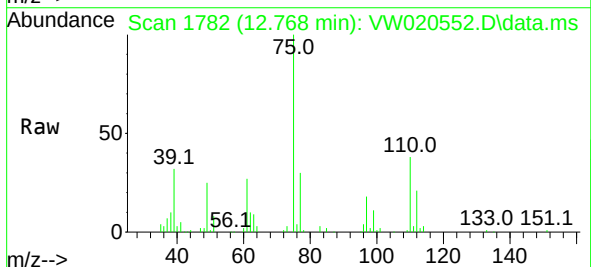
Tgt Ion: 75 Resp: 35887

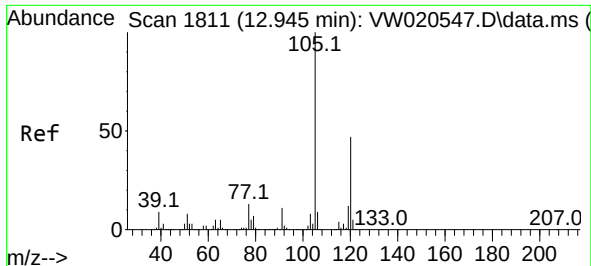
Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

110 37.1 29.4 44.0





#62

1,3,5-Trimethylbenzene

Concen: 31.307 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

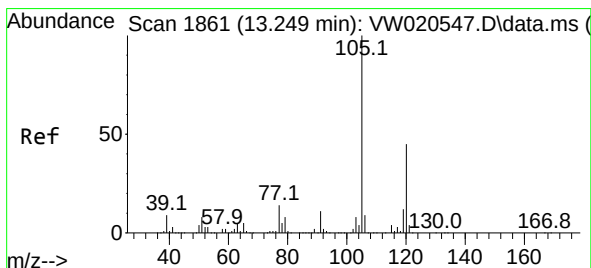
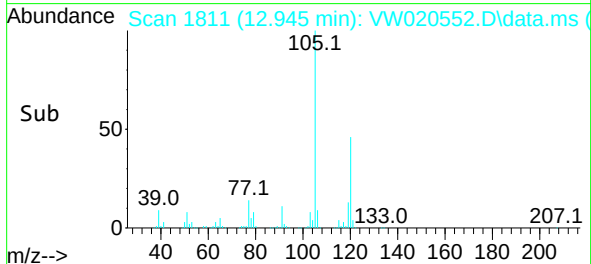
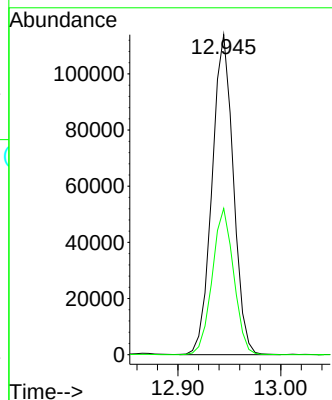
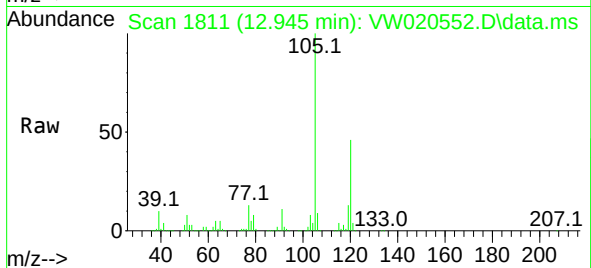
ClientSampleId :

Tgt Ion:105 Resp: 163883

Ion Ratio Lower Upper

105 100

120 46.0 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 30.566 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW020552.D

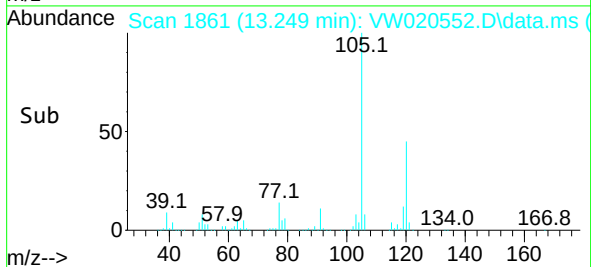
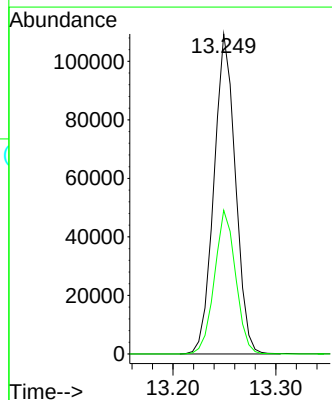
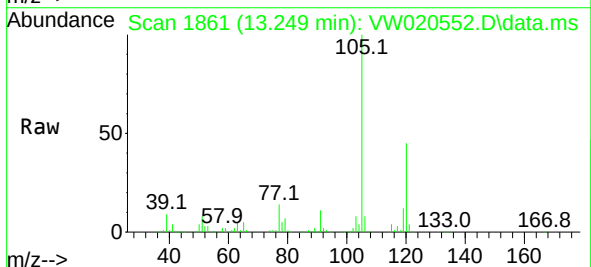
Acq: 18 Oct 2021 10:54

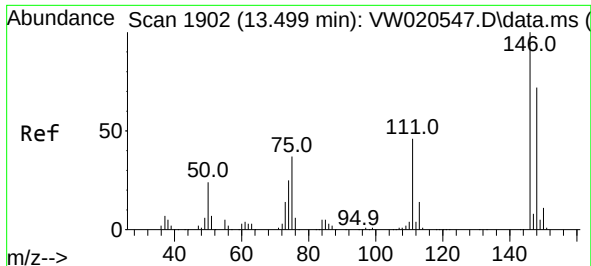
Tgt Ion:105 Resp: 158489

Ion Ratio Lower Upper

105 100

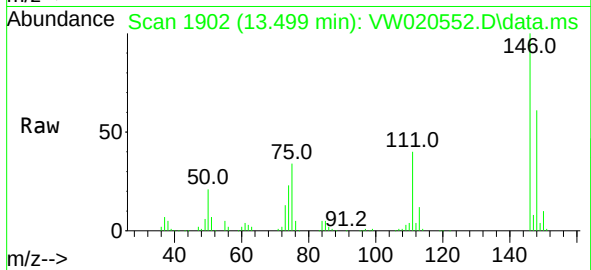
120 44.2 35.4 53.2



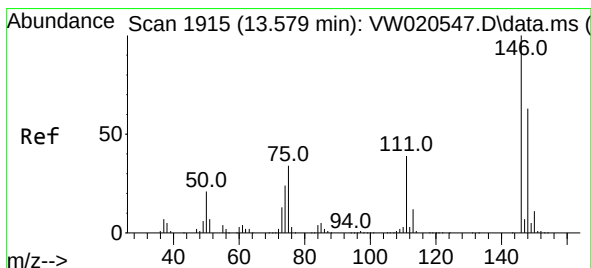
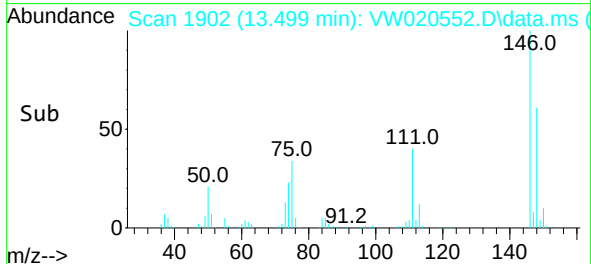
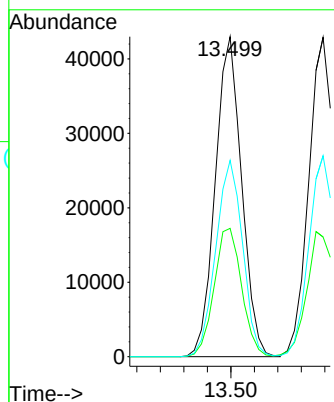


#64  
1,3-Dichlorobenzene  
Concen: 24.158 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Instrument :  
MSVOA\_W  
ClientSampleId :

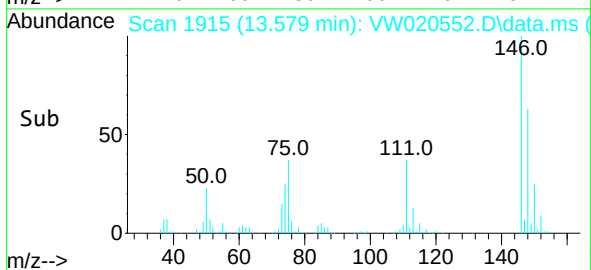
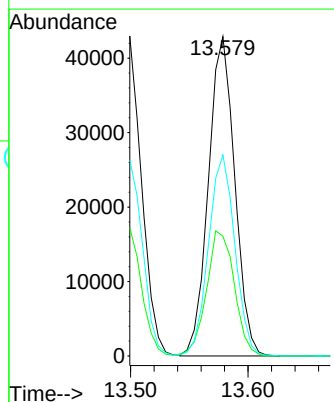
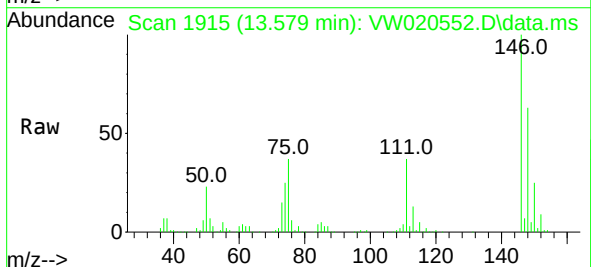


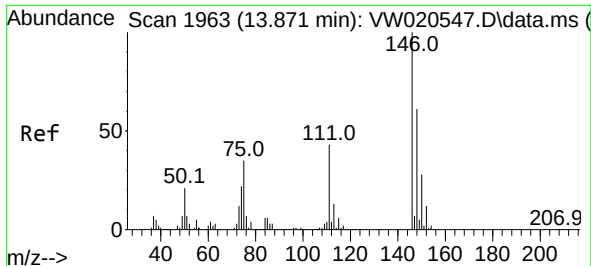
Tgt Ion:146 Resp: 67015  
Ion Ratio Lower Upper  
146 100  
111 40.1 29.0 53.8  
148 61.4 42.4 78.6



#65  
1,4-Dichlorobenzene  
Concen: 23.344 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW020552.D  
Acq: 18 Oct 2021 10:54

Tgt Ion:146 Resp: 66982  
Ion Ratio Lower Upper  
146 100  
111 37.5 30.9 57.5  
148 62.9 46.1 85.7





#67

1,2-Dichlorobenzene

Concen: 22.791 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

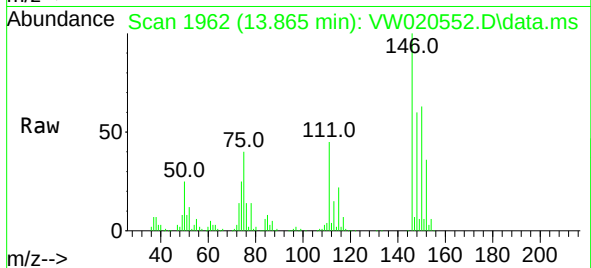
Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :



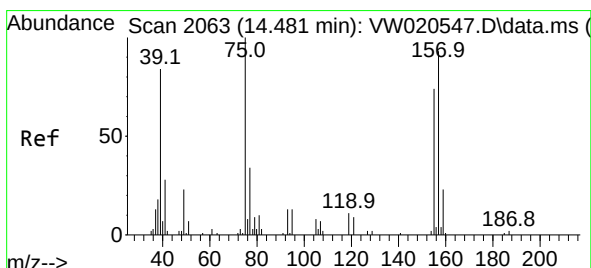
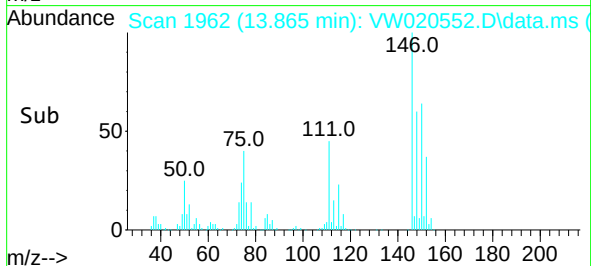
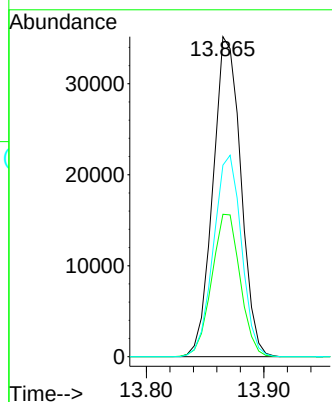
Tgt Ion:146 Resp: 57924

Ion Ratio Lower Upper

146 100

111 44.5 33.9 50.9

148 59.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 31.510 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

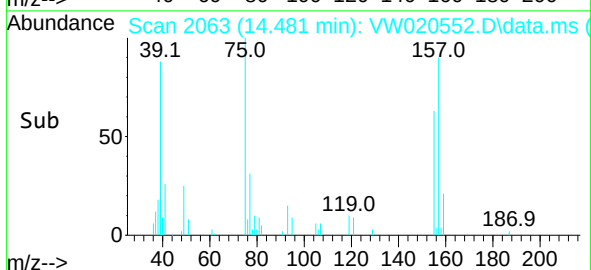
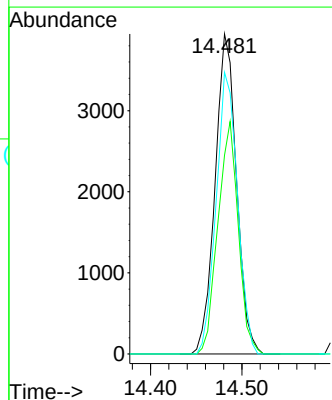
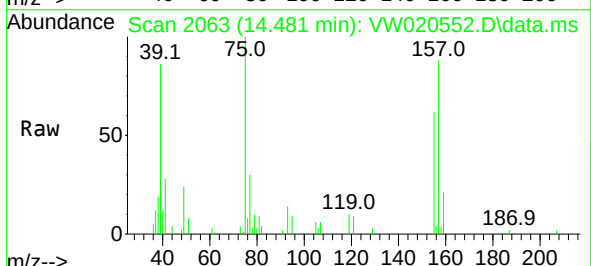
Tgt Ion: 75 Resp: 6441

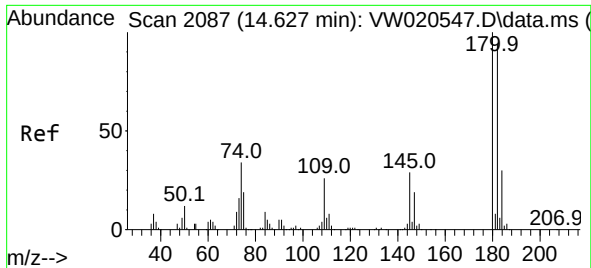
Ion Ratio Lower Upper

75 100

155 62.1 51.4 77.0

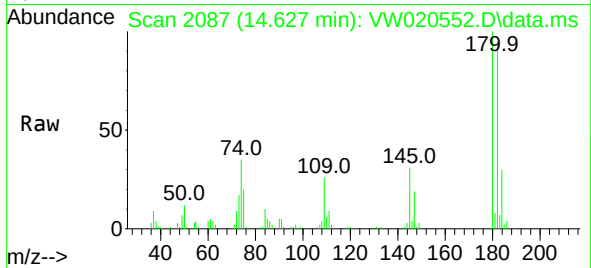
157 88.0 70.8 106.2



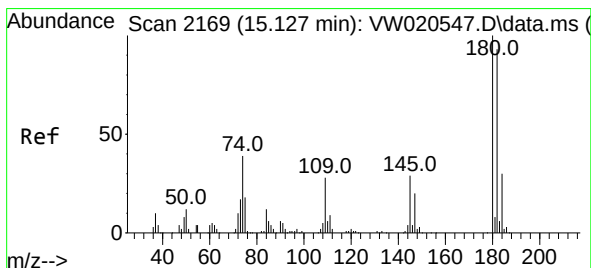
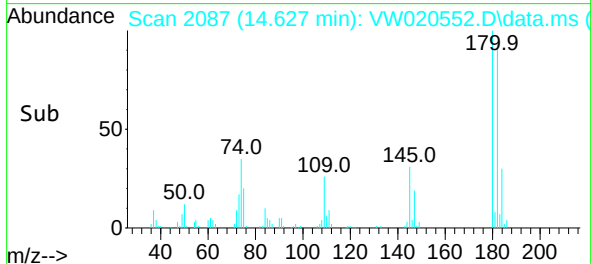
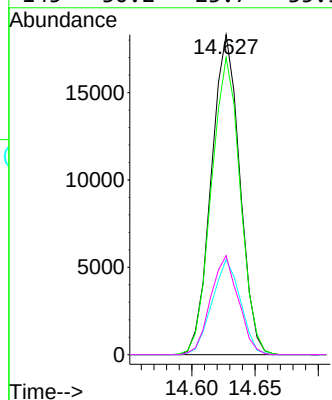


#69  
 1,3,5-Trichlorobenzene  
 Concen: 14.454 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. -0.000 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

Instrument :  
 MSVOA\_W  
 ClientSampleId :

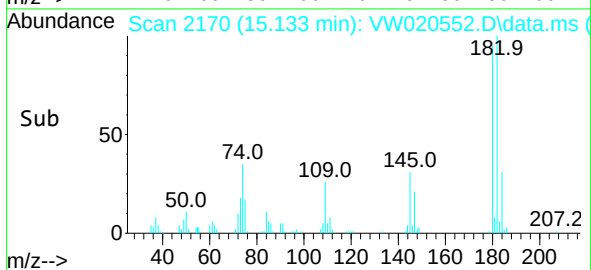
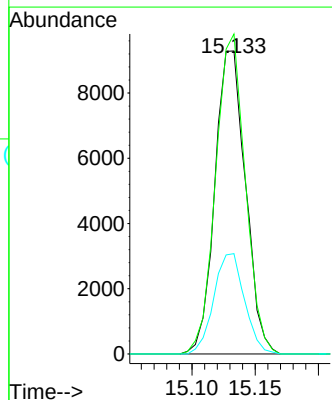
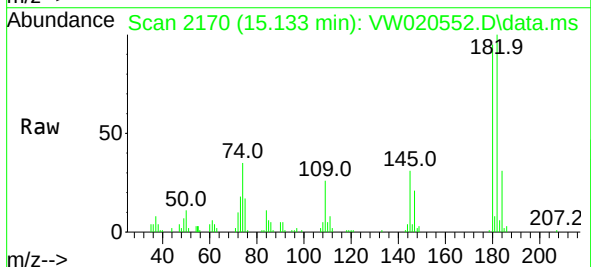


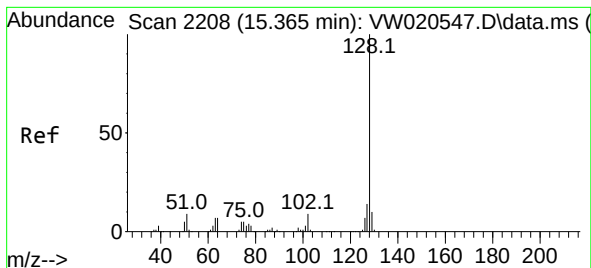
Tgt Ion:180 Resp: 28591  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 73.4 110.0  
 184 29.7 24.2 36.4  
 145 30.2 23.7 35.5



#70  
 1,2,4-trichlorobenzene  
 Concen: 9.995 ug/L  
 RT: 15.133 min Scan# 2170  
 Delta R.T. 0.006 min  
 Lab File: VW020552.D  
 Acq: 18 Oct 2021 10:54

Tgt Ion:180 Resp: 15655  
 Ion Ratio Lower Upper  
 180 100  
 182 101.9 75.8 113.8  
 145 33.2 24.8 37.2





#71

Naphthalene

Concen: 11.443 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VW020552.D

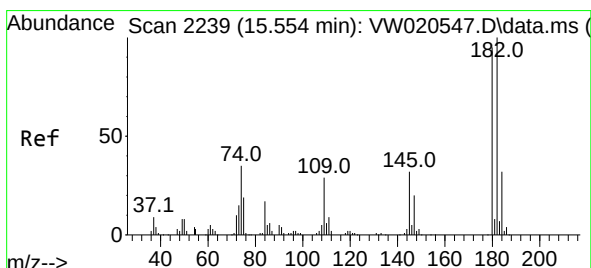
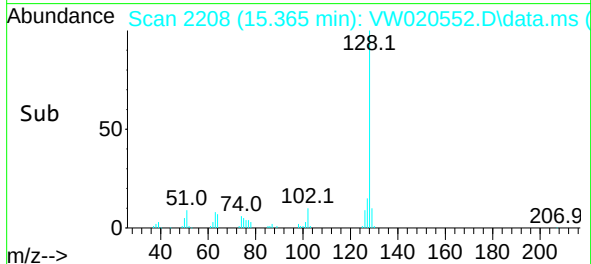
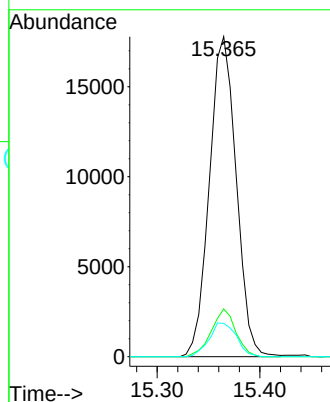
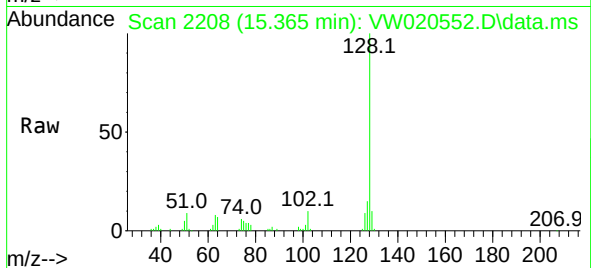
Acq: 18 Oct 2021 10:54

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 32225     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.6  | 10.5 15.7 |
| 129         | 10.7  | 8.7 13.1  |



#72

1,2,3-Trichlorobenzene

Concen: 9.629 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. -0.000 min

Lab File: VW020552.D

Acq: 18 Oct 2021 10:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 13247      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.1  | 74.8 112.2 |
| 145         | 34.2  | 26.2 39.4  |

