

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112621\  
 Data File : VW020948.D  
 Acq On : 26 Nov 2021 10:03  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 27 00:51:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 17 00:25:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 132424   | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 123702   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 67979    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 31312    | 20.385   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.520%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 21533    | 21.736   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 65078    | 21.897   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.600%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 20414    | 53.245   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.480% |
| 24) Chloroform-d              | 7.647  | 84    | 77476    | 23.220   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 41324    | 24.400   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 32) Benzene-d6                | 8.275  | 84    | 147561   | 22.633   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 43290    | 23.317   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.280%  |
| 41) Toluene-d8                | 10.323 | 98    | 147191   | 22.746   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.000%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 20810    | 23.714   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.840%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 17042    | 55.347   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 37185    | 26.146   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.600% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 53851    | 22.226   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 88.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 12361    | 32.253   | ug/L   | 96       |
| 3) Chloromethane              | 2.215  | 50    | 24422    | 20.960   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.361  | 62    | 46107    | 22.878   | ug/L   | 99       |
| 6) Bromomethane               | 2.782  | 94    | 29794    | 26.661   | ug/L   | 98       |
| 8) Chloroethane               | 2.916  | 64    | 18163    | 21.437   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 28886    | 24.606   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 41853    | 23.452   | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 38592    | 23.259   | ug/L   | 75       |
| 13) Acetone                   | 4.129  | 43    | 16026    | 46.817   | ug/L   | 92       |
| 14) Carbon disulfide          | 4.385  | 76    | 92350    | 20.580   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.678  | 43    | 15773    | 25.694   | ug/L   | # 89     |
| 16) Methylene chloride        | 4.916  | 84    | 39437    | 21.353   | ug/L   | 83       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 39803    | 22.258   | ug/L   | 84       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 67132    | 25.010   | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 68276    | 23.043   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 43670    | 22.659   | ug/L   | 72       |
| 22) 2-Butanone                | 7.171  | 43    | 23000    | 49.454   | ug/L   | 88       |
| 23) Bromochloromethane        | 7.513  | 128   | 21468    | 24.365   | ug/L   | # 64     |
| 25) Chloroform                | 7.677  | 83    | 76688    | 23.680   | ug/L   | 98       |

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 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 27 00:51:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 17 00:25:49 2021  
 Response via : Initial Calibration

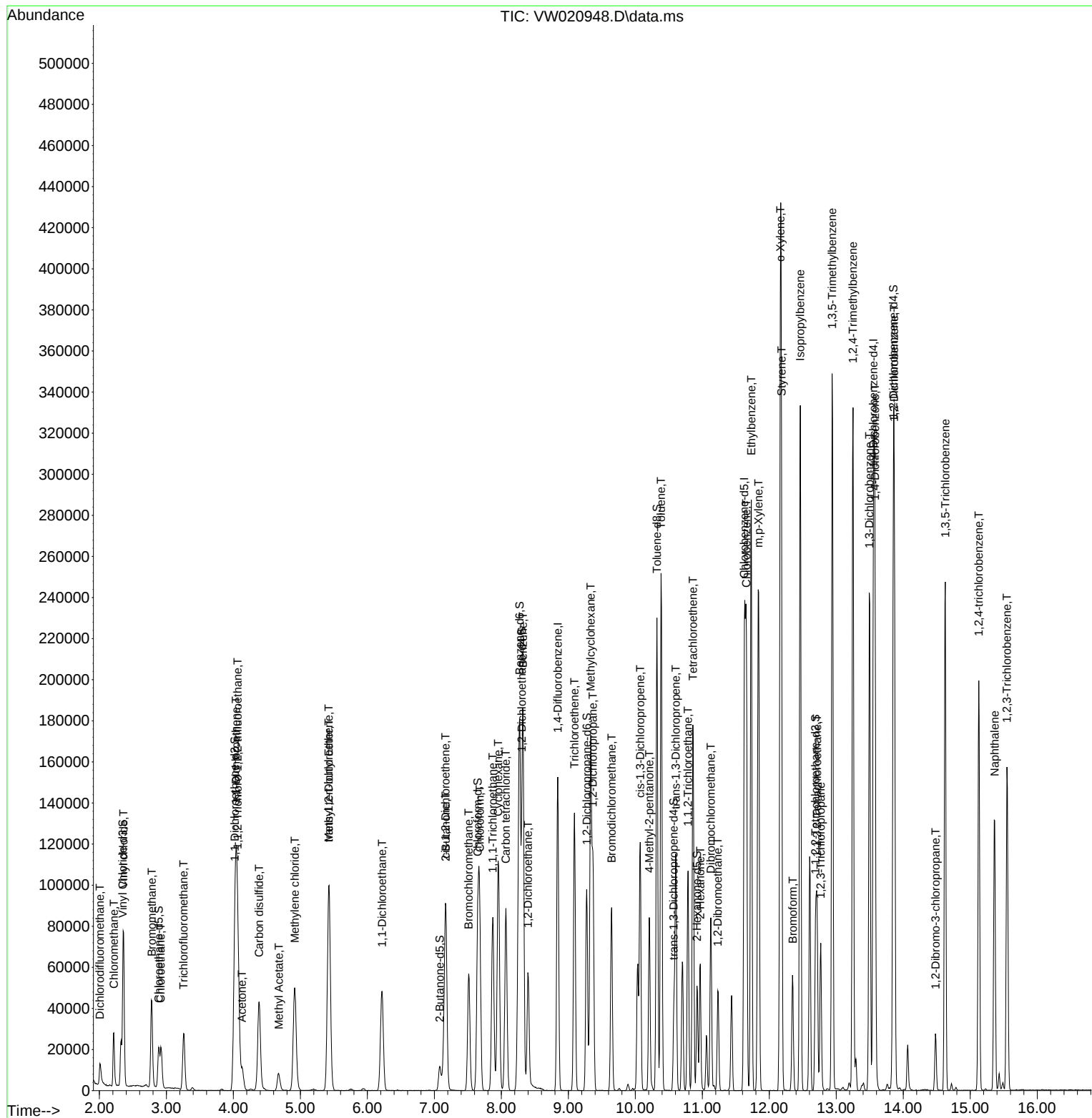
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 48725    | 24.847 | ug/L   | 96       |
| 29) Cyclohexane               | 7.952  | 56   | 59412    | 21.543 | ug/L # | 85       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 68304    | 22.961 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 65220    | 23.165 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 161161   | 23.010 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 44164    | 22.543 | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.335  | 83   | 70026    | 21.680 | ug/L   | 87       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 38181    | 23.423 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.646  | 83   | 56443    | 24.129 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 64734    | 24.053 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 52126    | 53.727 | ug/L # | 93       |
| 42) Toluene                   | 10.384 | 91   | 179902   | 22.836 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 58180    | 24.597 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 32094    | 25.316 | ug/L   | 90       |
| 46) Tetrachloroethene         | 10.860 | 164  | 40330    | 22.421 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.969 | 43   | 38595    | 57.429 | ug/L # | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 41562    | 23.780 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 31855    | 25.062 | ug/L   | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 117484   | 22.422 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.731 | 91   | 198835   | 22.777 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.841 | 106  | 82219    | 23.069 | ug/L   | 83       |
| 54) o-Xylene                  | 12.164 | 106  | 76830    | 22.446 | ug/L   | 94       |
| 55) Styrene                   | 12.183 | 104  | 131229   | 23.089 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 36888    | 26.252 | ug/L # | 95       |
| 59) Bromoform                 | 12.353 | 173  | 24819    | 24.486 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 211486   | 22.841 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 26938    | 27.015 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 183004   | 23.430 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 180285   | 23.395 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 99799    | 22.990 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 101414   | 23.160 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 91528    | 23.928 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6338     | 26.587 | ug/L # | 75       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 80255    | 23.342 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 66166    | 23.523 | ug/L   | 93       |
| 71) Naphthalene               | 15.365 | 128  | 118534   | 25.862 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 54193    | 22.832 | ug/L   | 97       |

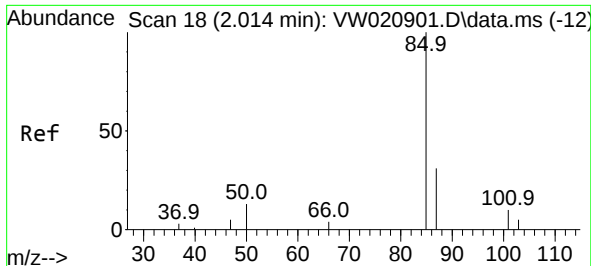
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
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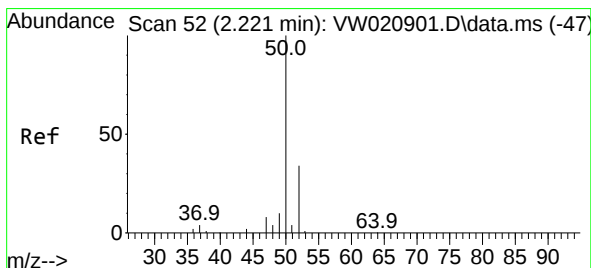
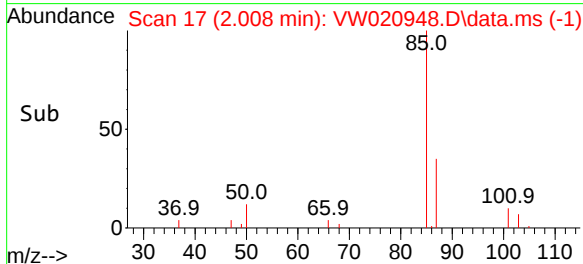
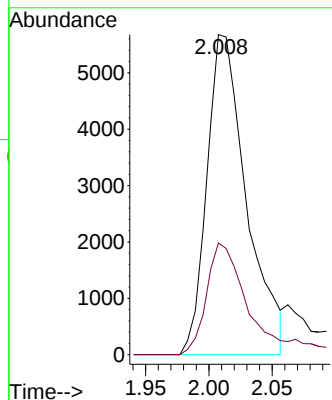
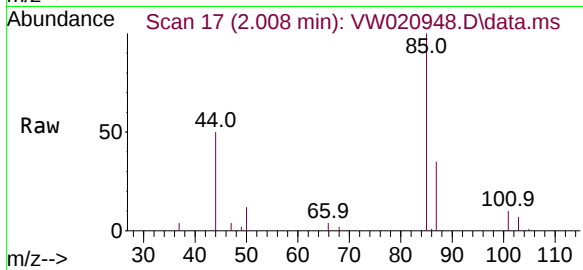




#2  
Dichlorodifluoromethane  
Concen: 32.253 ug/L  
RT: 2.008 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

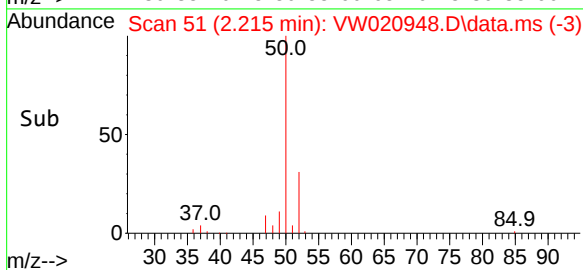
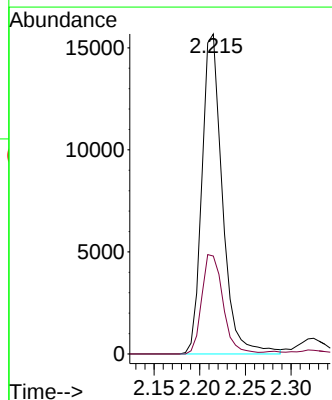
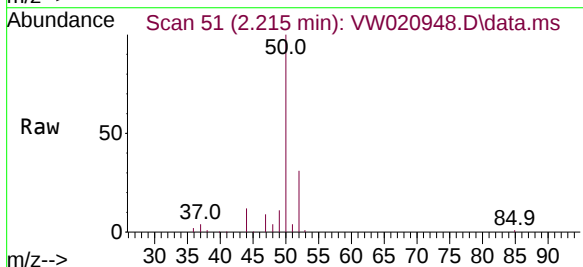
Instrument :  
MSVOA\_W  
ClientSampleId :

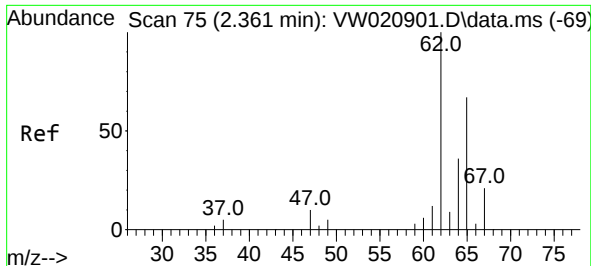
Tgt Ion: 85 Resp: 12361  
Ion Ratio Lower Upper  
85 100  
87 34.7 25.8 38.6



#3  
Chloromethane  
Concen: 20.960 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 50 Resp: 24422  
Ion Ratio Lower Upper  
50 100  
52 30.6 23.4 43.6



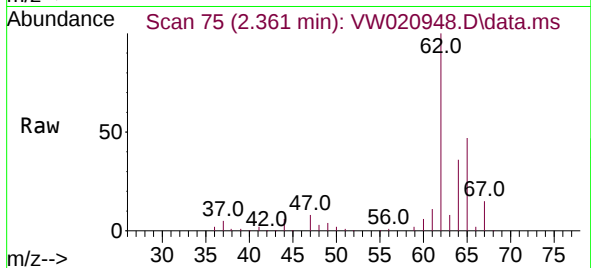


#5  
 Vinyl chloride  
 Concen: 22.878 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

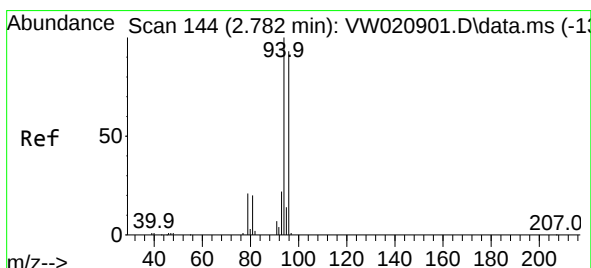
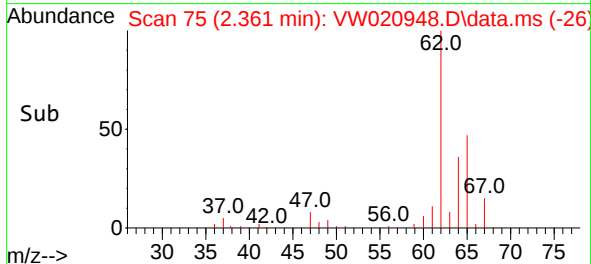
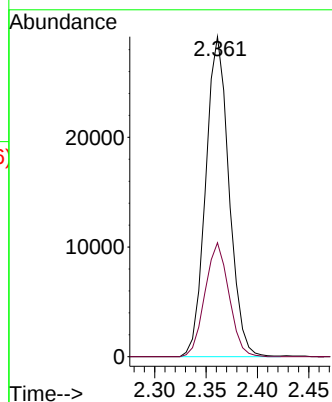
Instrument :

MSVOA\_W

ClientSampleId :

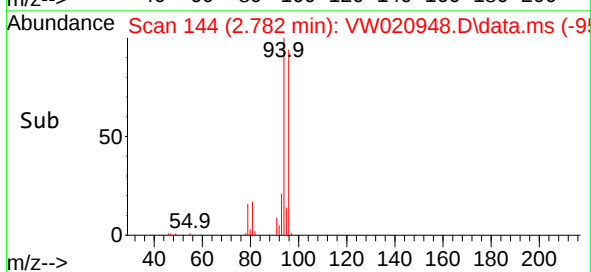
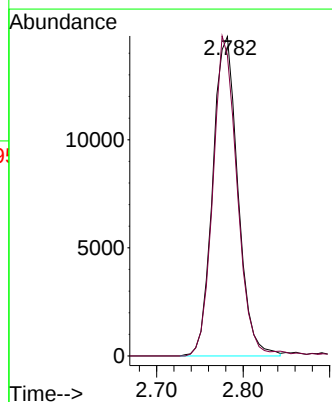
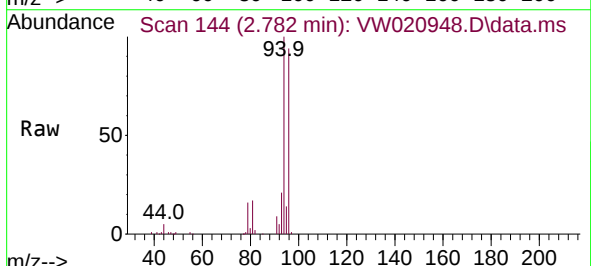


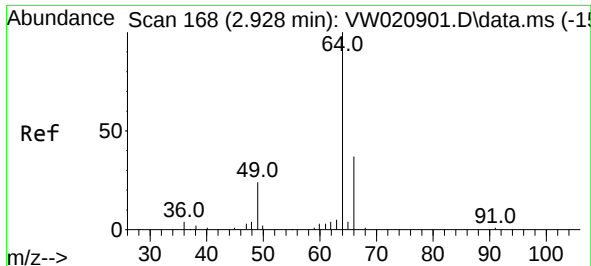
Tgt Ion: 62 Resp: 46107  
 Ion Ratio Lower Upper  
 62 100  
 64 35.6 24.4 45.2



#6  
 Bromomethane  
 Concen: 26.661 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

Tgt Ion: 94 Resp: 29794  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 64.8 120.4

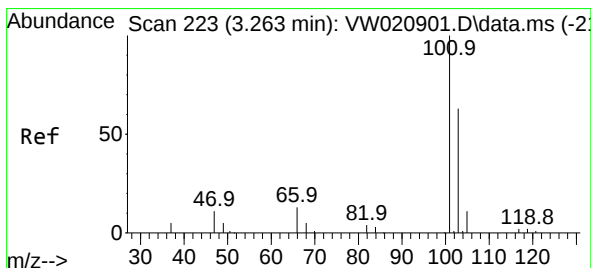
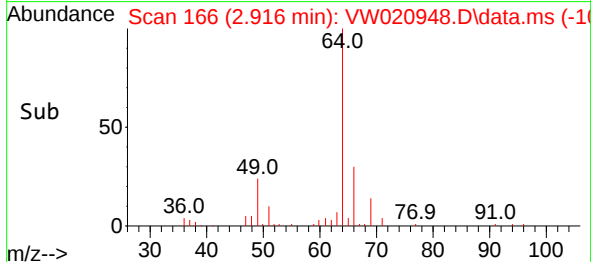
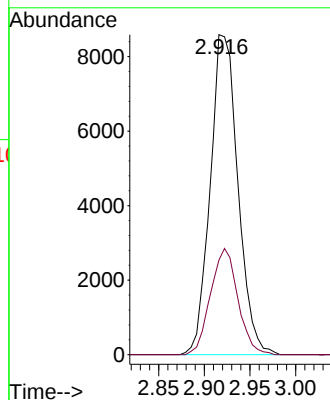
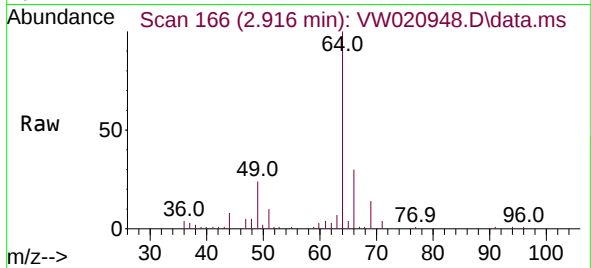




#8  
Chloroethane  
Concen: 21.437 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

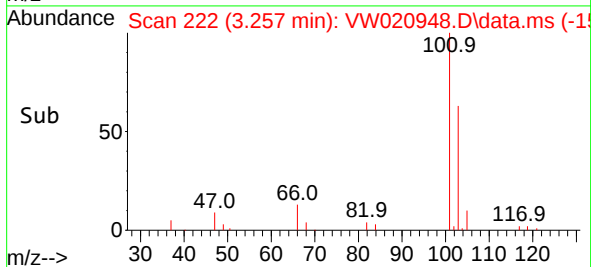
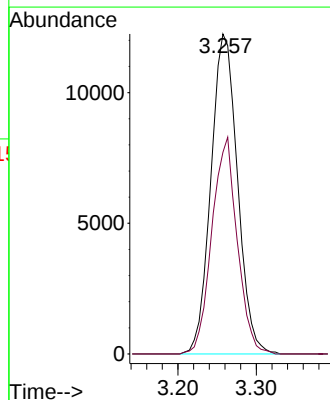
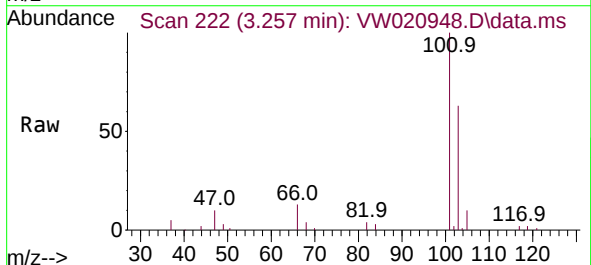
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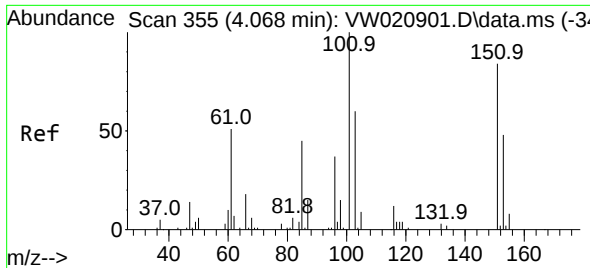
Tgt Ion: 64 Resp: 18163  
Ion Ratio Lower Upper  
64 100  
66 29.5 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 24.606 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion:101 Resp: 28886  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.2

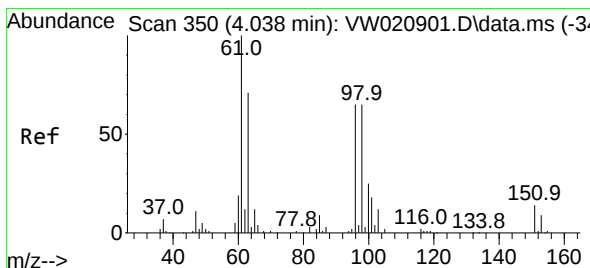
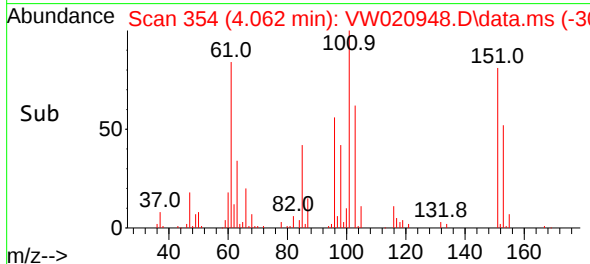
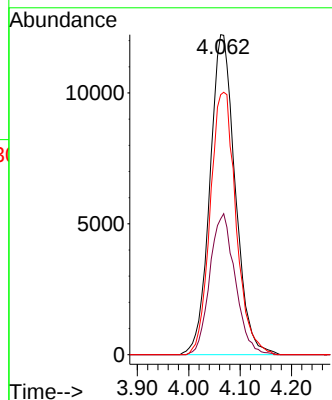
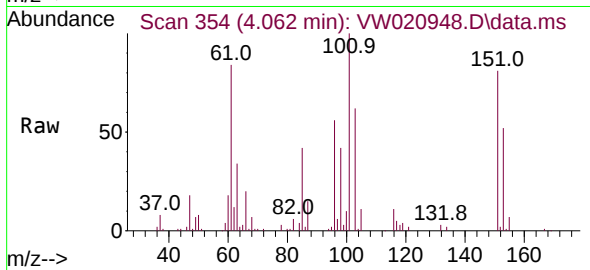




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.452 ug/L  
 RT: 4.062 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

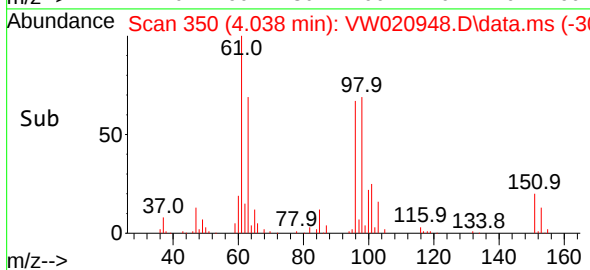
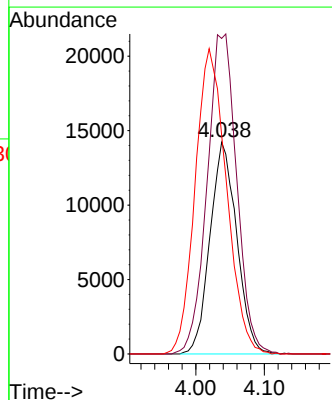
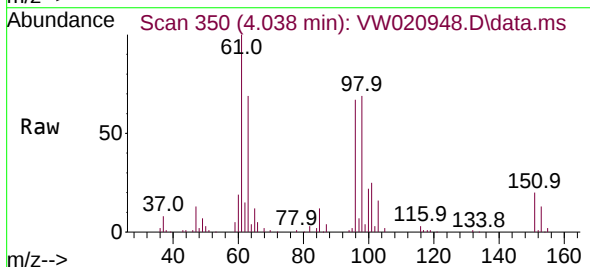
Instrument :  
 MSVOA\_W  
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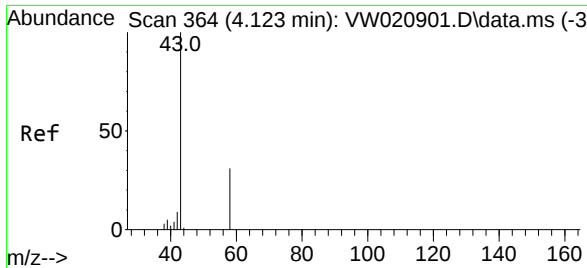
Tgt Ion:101 Resp: 41853  
 Ion Ratio Lower Upper  
 101 100  
 85 44.2 36.6 54.8  
 151 83.4 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 23.259 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

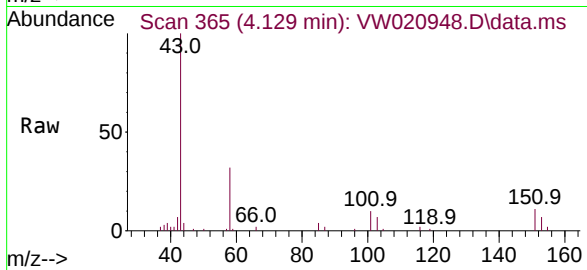
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 63 103.3 82.6 153.4



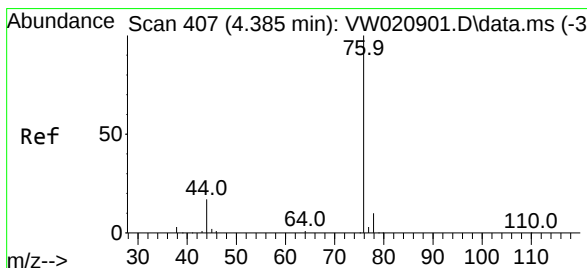
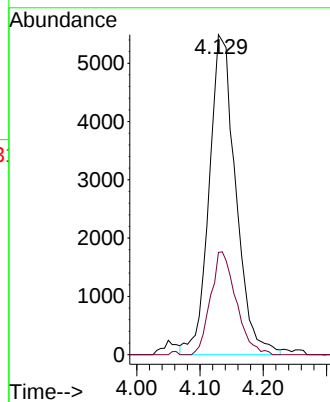
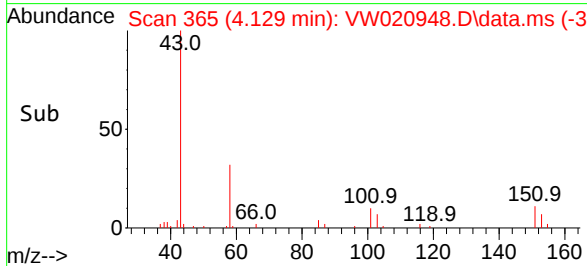


#13  
Acetone  
Concen: 46.817 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Instrument :  
MSVOA\_W  
ClientSampleId :

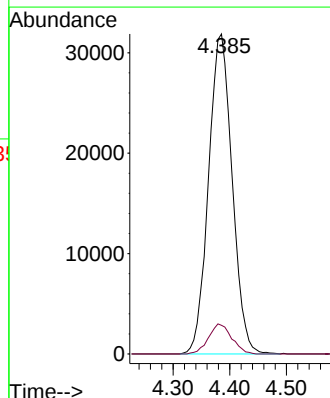
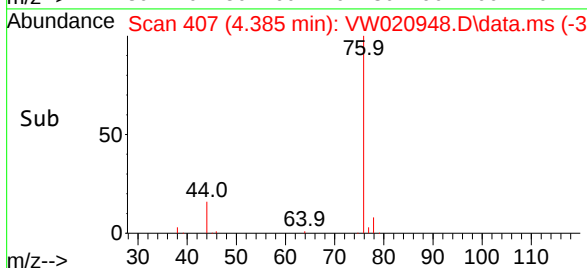
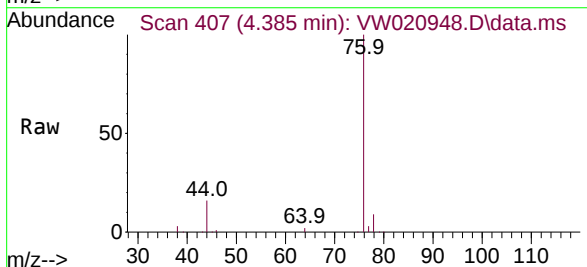


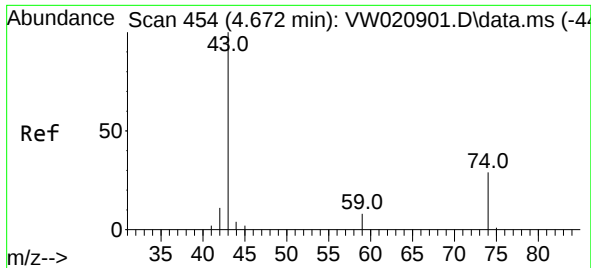
Tgt Ion: 43 Resp: 16026  
Ion Ratio Lower Upper  
43 100  
58 30.6 0.0 52.8



#14  
Carbon disulfide  
Concen: 20.580 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 76 Resp: 92350  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.1 10.7

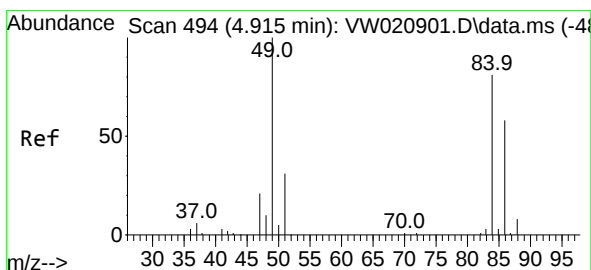
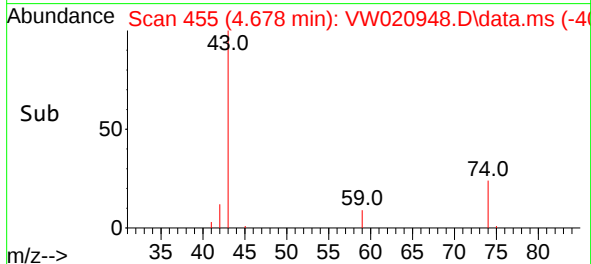
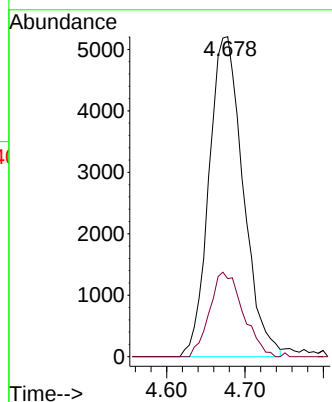
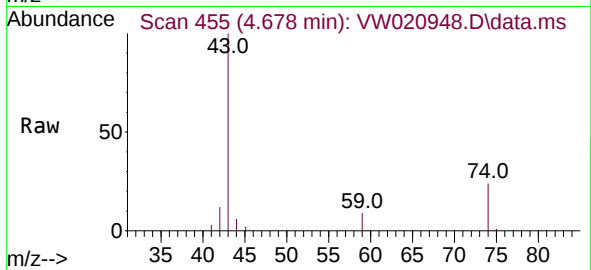




#15  
Methyl Acetate  
Concen: 25.694 ug/L  
RT: 4.678 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

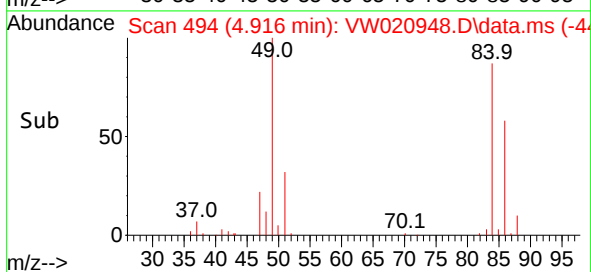
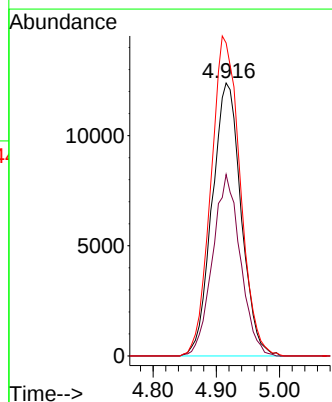
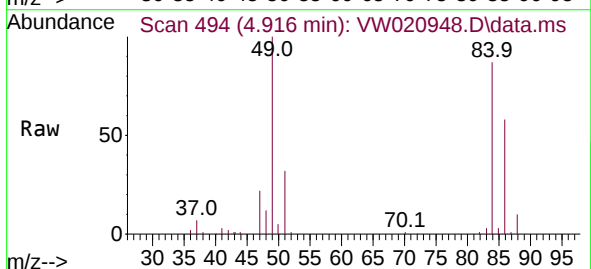
Instrument :  
MSVOA\_W  
ClientSampleId :

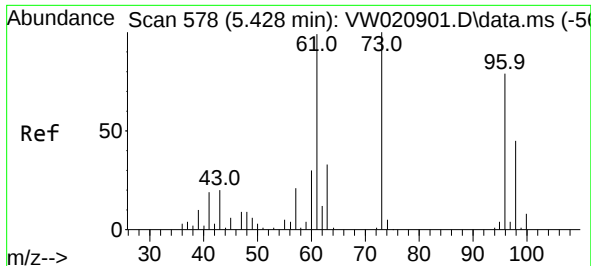
Tgt Ion: 43 Resp: 15773  
Ion Ratio Lower Upper  
43 100  
74 25.8 16.4 24.6#



#16  
Methylene chloride  
Concen: 21.353 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 84 Resp: 39437  
Ion Ratio Lower Upper  
84 100  
86 66.5 45.5 84.5  
49 114.6 100.5 186.7





#17

trans-1,2-Dichloroethene

Concen: 22.258 ug/L

RT: 5.422 min Scan# 577

Delta R.T. -0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

ClientSampleId :

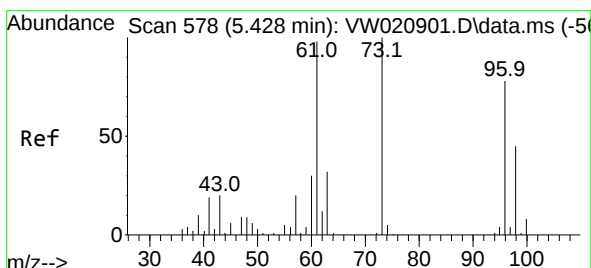
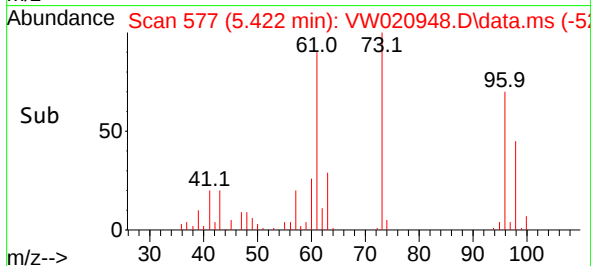
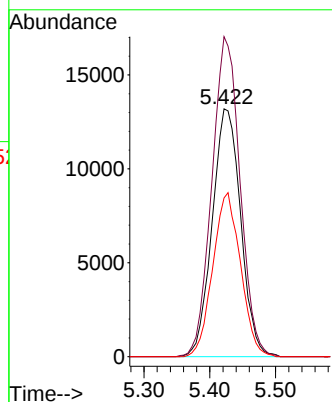
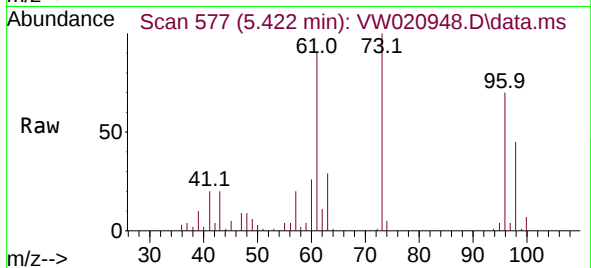
Tgt Ion: 96 Resp: 39803

Ion Ratio Lower Upper

96 100

61 129.1 107.4 199.4

98 64.0 41.2 76.6



#18

Methyl tert-butyl Ether

Concen: 25.010 ug/L

RT: 5.422 min Scan# 577

Delta R.T. -0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

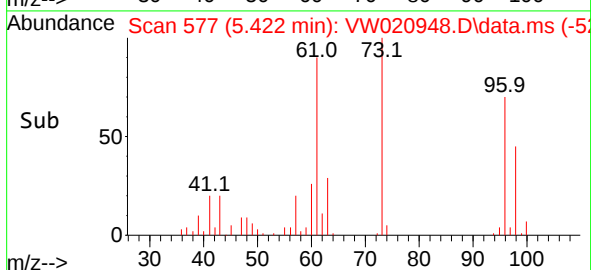
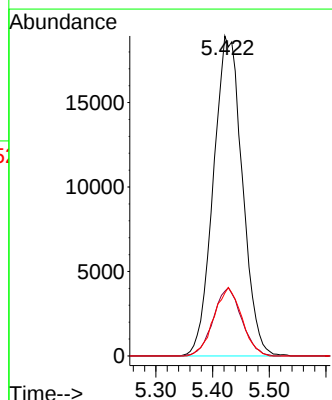
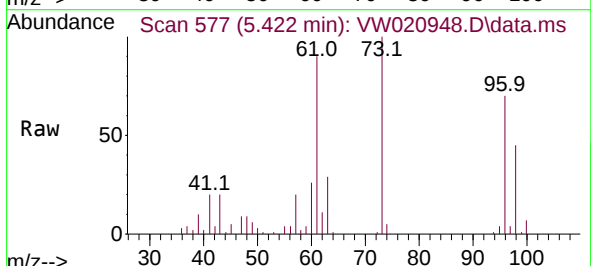
Tgt Ion: 73 Resp: 67132

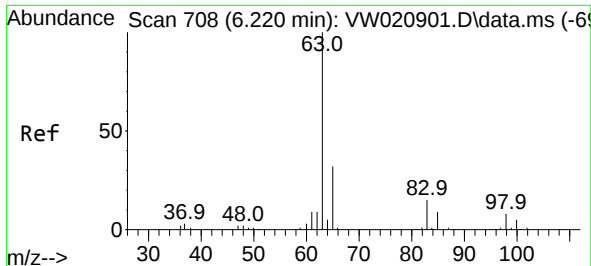
Ion Ratio Lower Upper

73 100

43 20.9 19.5 29.3

57 20.7 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.043 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW020948.D

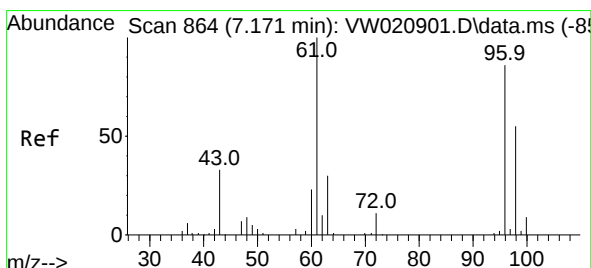
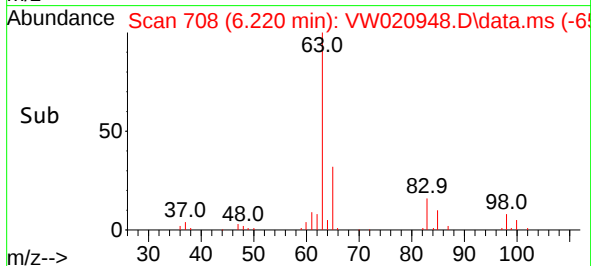
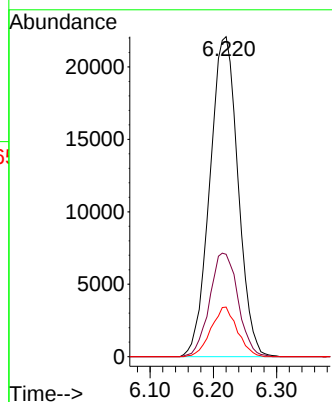
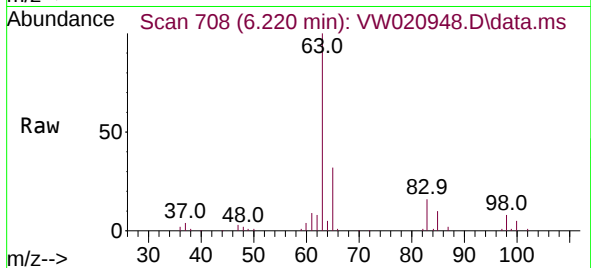
Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 68276 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.0  | 22.1  | 41.1  |
| 83       | 15.5  | 9.2   | 17.2  |



#20

cis-1,2-Dichloroethene

Concen: 22.659 ug/L

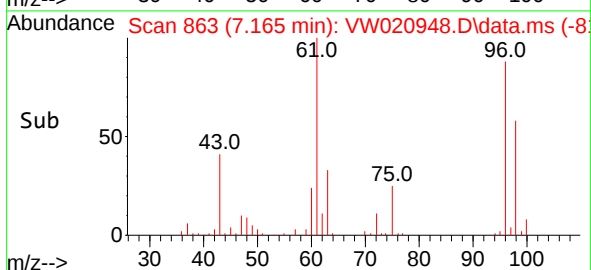
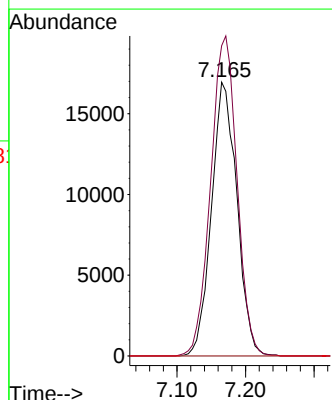
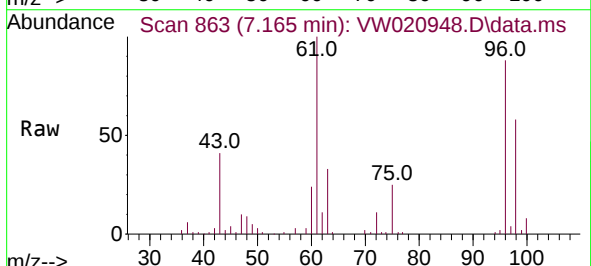
RT: 7.165 min Scan# 863

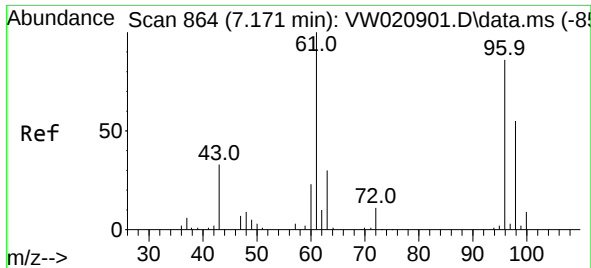
Delta R.T. -0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 43670 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 113.4 | 103.7 | 192.7 |
| 68       | 0.0   | 0.0   | 0.0   |

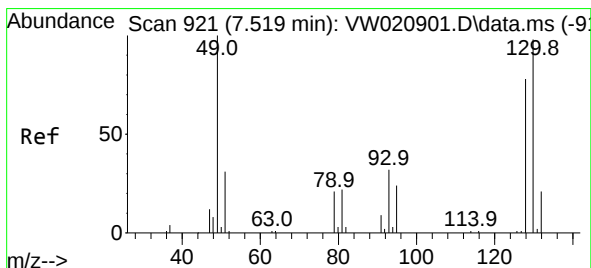
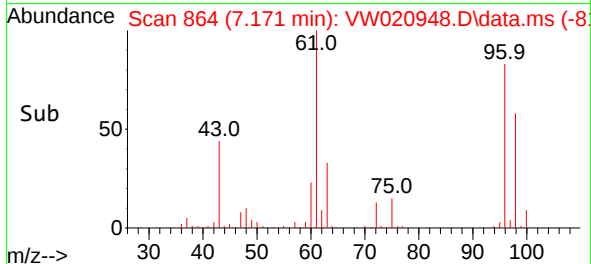
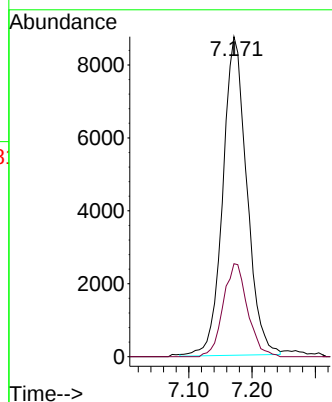
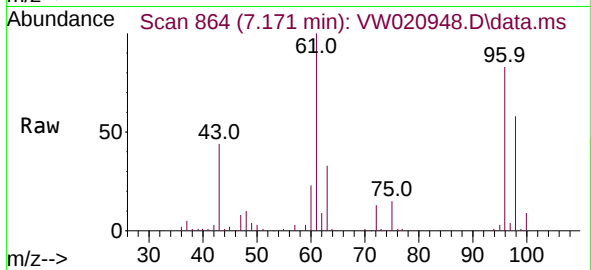




#22  
2-Butanone  
Concen: 49.454 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

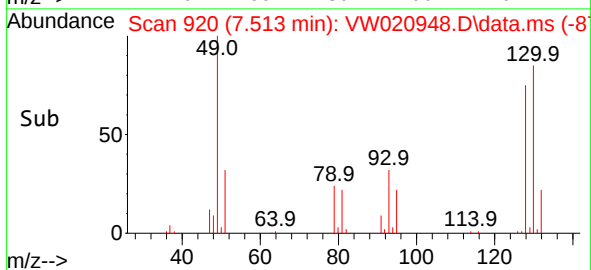
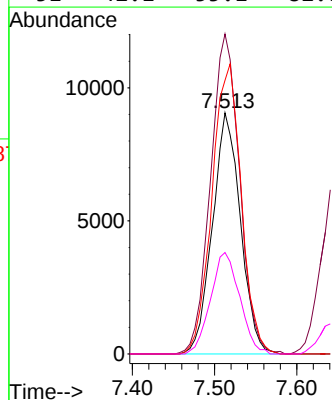
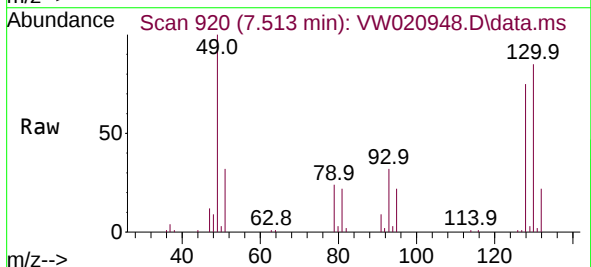
Instrument :  
MSVOA\_W  
ClientSampleId :

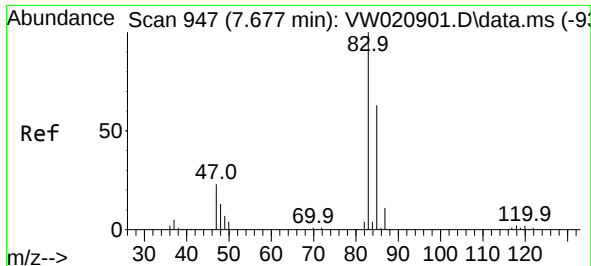
Tgt Ion: 43 Resp: 23000  
Ion Ratio Lower Upper  
43 100  
72 29.7 11.8 35.4



#23  
Bromochloromethane  
Concen: 24.365 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 128 Resp: 21468  
Ion Ratio Lower Upper  
128 100  
49 132.7 150.3 279.1#  
130 113.5 88.3 163.9  
51 42.1 55.1 82.7#

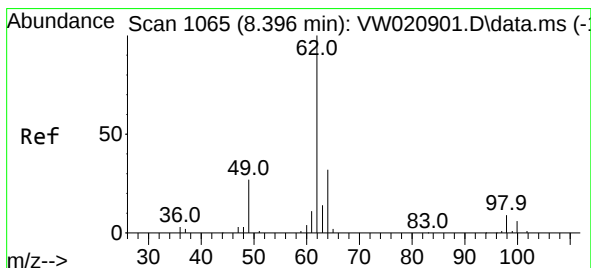
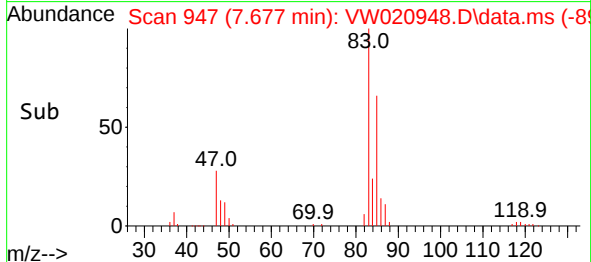
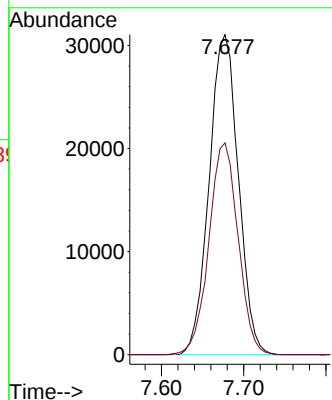
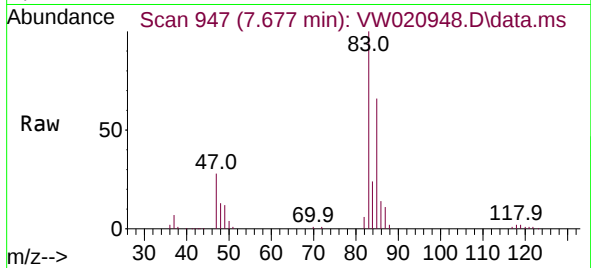




#25  
Chloroform  
Concen: 23.680 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

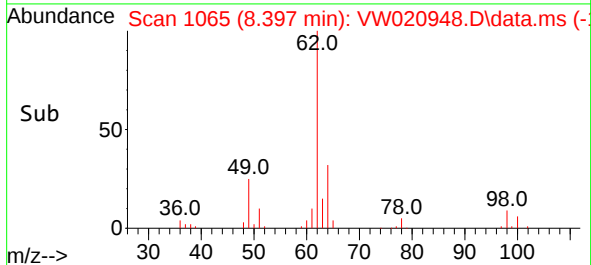
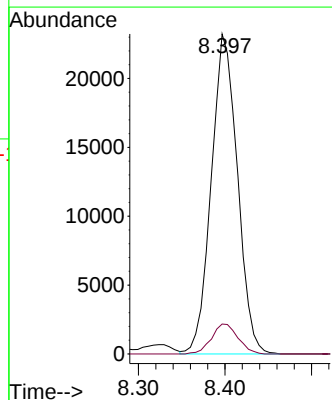
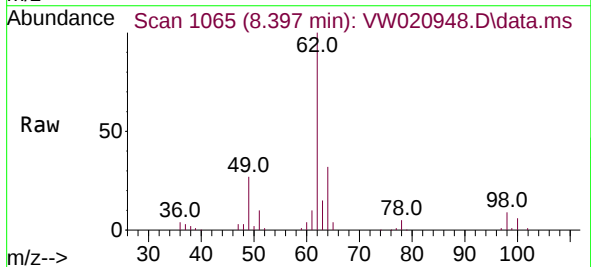
Instrument :  
MSVOA\_W  
ClientSampleId :

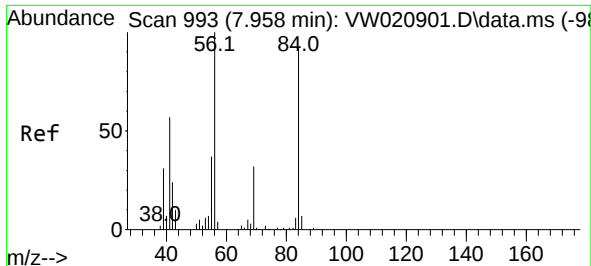
Tgt Ion: 83 Resp: 76688  
Ion Ratio Lower Upper  
83 100  
85 66.2 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 24.847 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

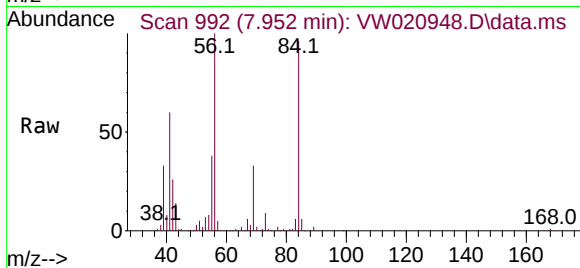
Tgt Ion: 62 Resp: 48725  
Ion Ratio Lower Upper  
62 100  
98 9.3 6.5 9.7



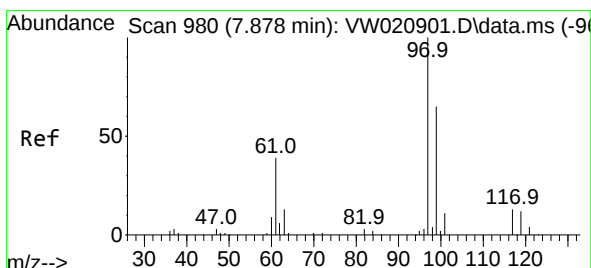
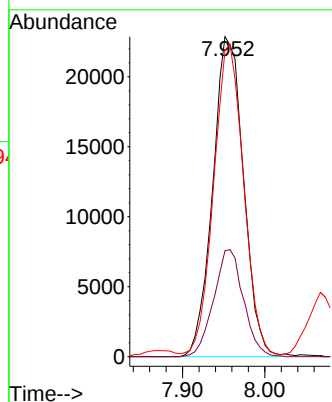
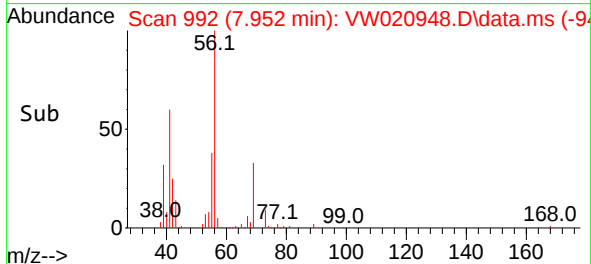


#29  
Cyclohexane  
Concen: 21.543 ug/L  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Instrument :  
MSVOA\_W  
ClientSampleId :

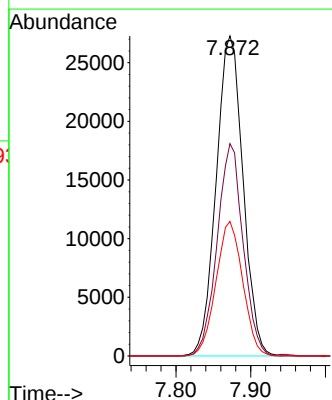
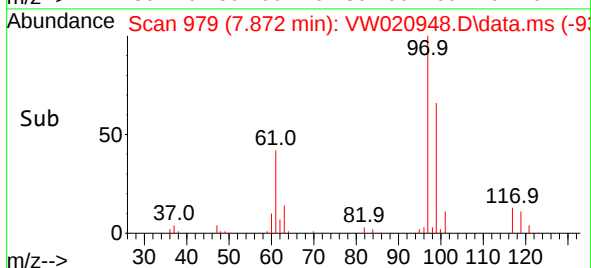
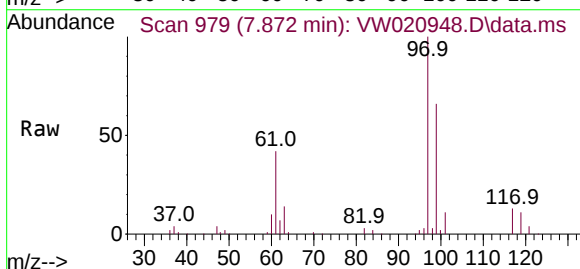


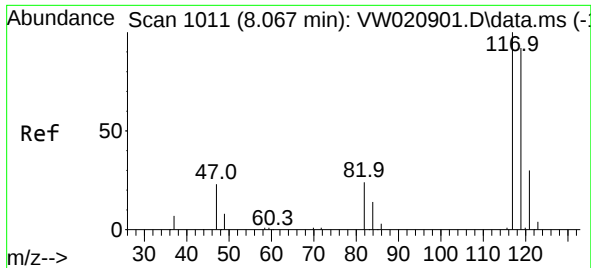
Tgt Ion: 56 Resp: 59412  
Ion Ratio Lower Upper  
56 100  
69 32.4 23.5 35.3  
84 95.6 63.4 95.2#



#30  
1,1,1-Trichloroethane  
Concen: 22.961 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 97 Resp: 68304  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.6 77.4  
61 41.8 40.9 61.3

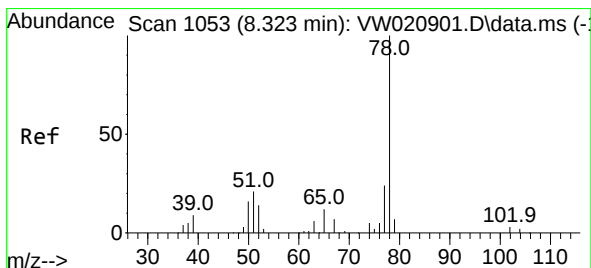
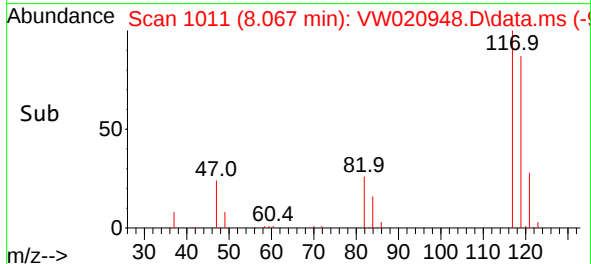
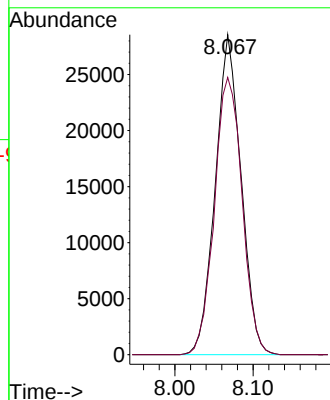
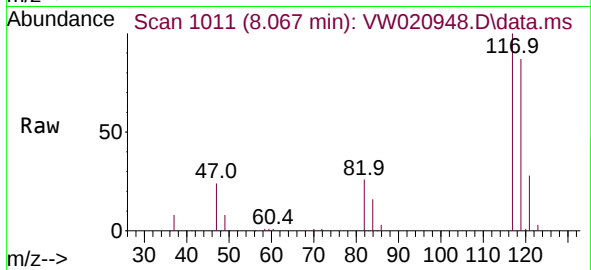




#31  
Carbon tetrachloride  
Concen: 23.165 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

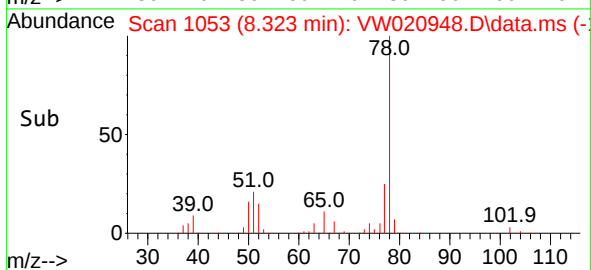
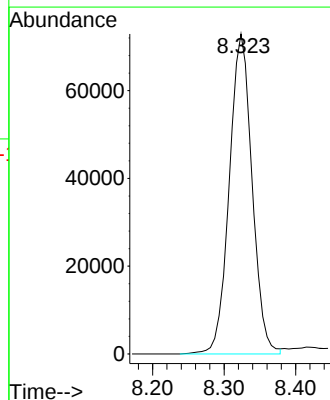
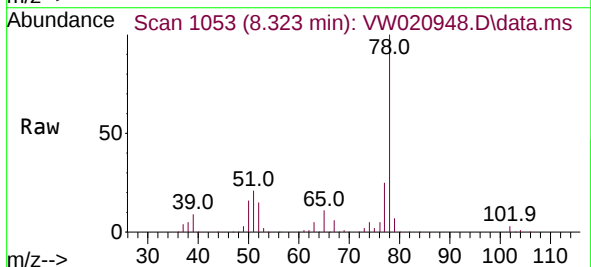
Instrument :  
MSVOA\_W  
ClientSampleId :

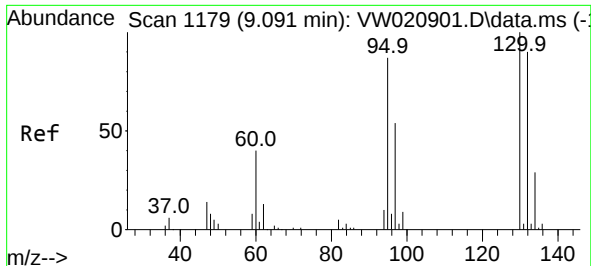
Tgt Ion:117 Resp: 65220  
Ion Ratio Lower Upper  
117 100  
119 93.3 75.7 113.5



#33  
Benzene  
Concen: 23.010 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

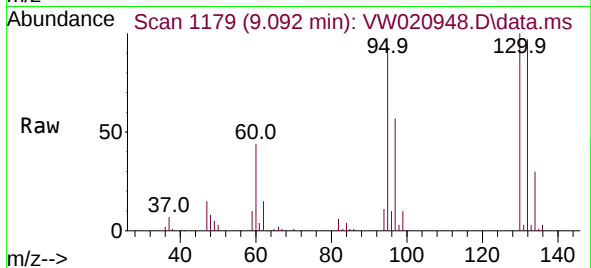
Tgt Ion: 78 Resp: 161161



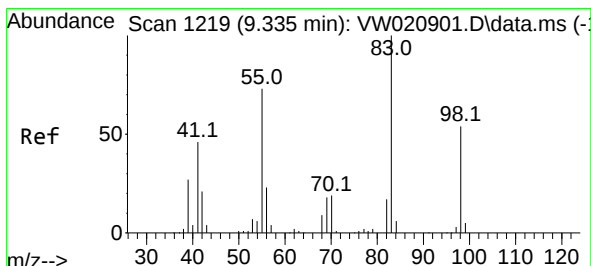
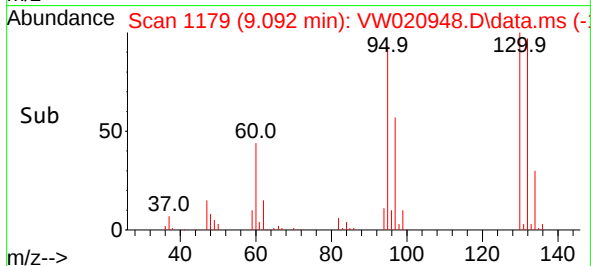
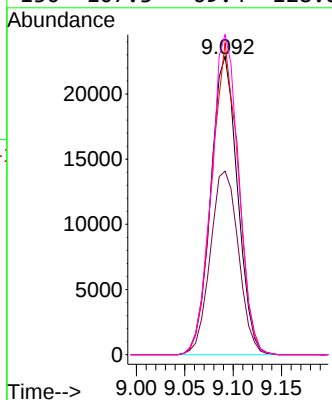


#34  
Trichloroethene  
Concen: 22.543 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Instrument :  
MSVOA\_W  
ClientSampleId :

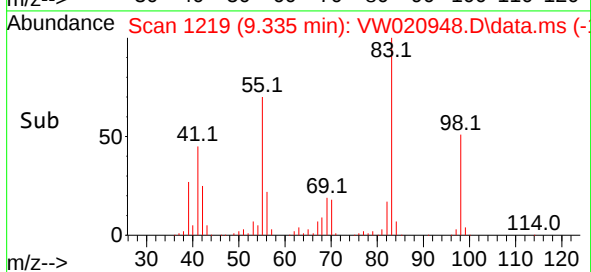
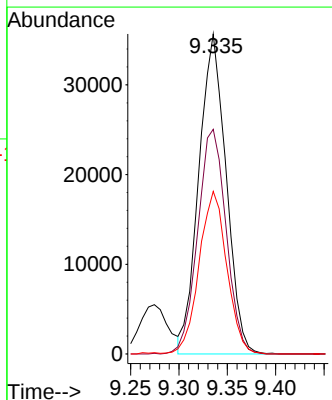
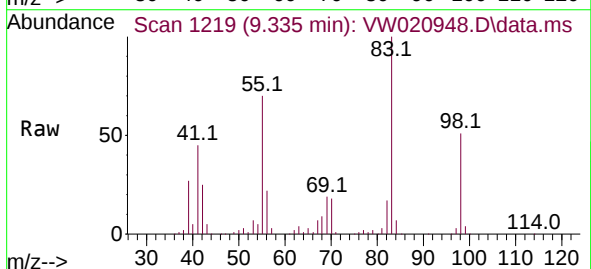


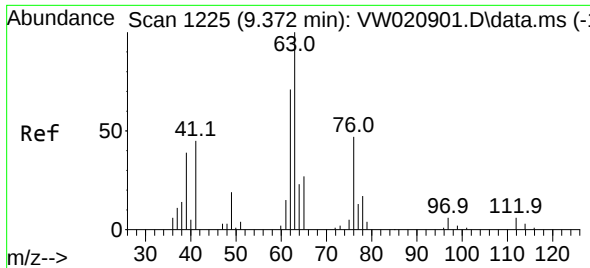
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 44164 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 61.5  | 47.0  | 87.2  |
| 132      | 104.5 | 65.5  | 121.6 |
| 130      | 107.3 | 69.4  | 128.8 |



#35  
Methylcyclohexane  
Concen: 21.680 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 70026 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 73.1  | 70.8  | 106.2 |
| 98       | 51.6  | 37.7  | 56.5  |

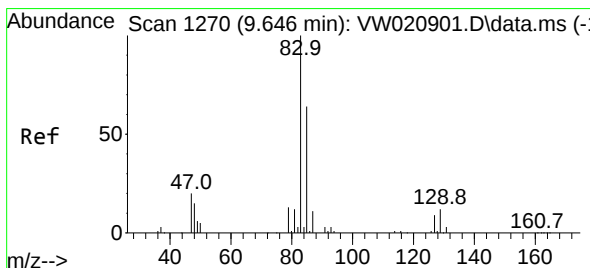
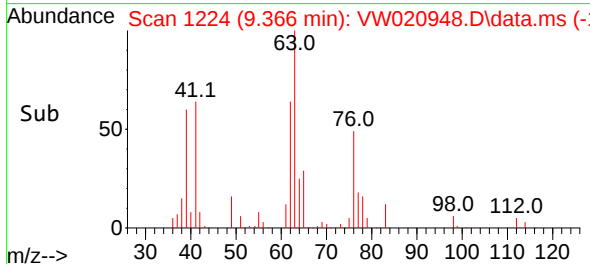
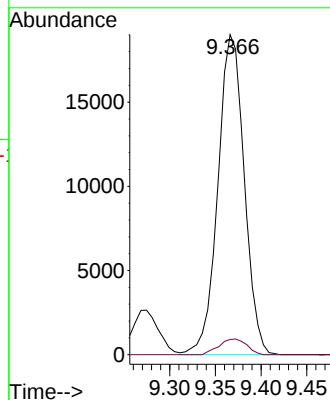
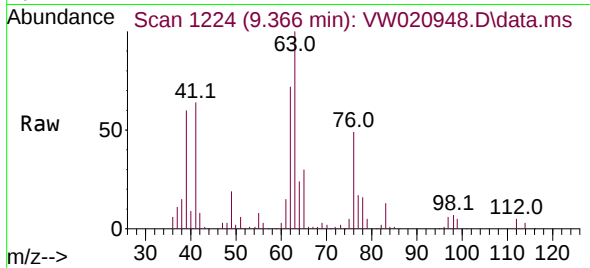




#37  
1,2-Dichloropropane  
Concen: 23.423 ug/L  
RT: 9.366 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

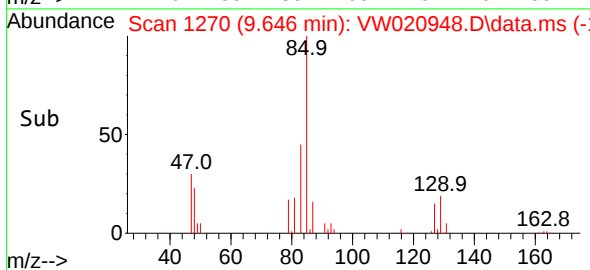
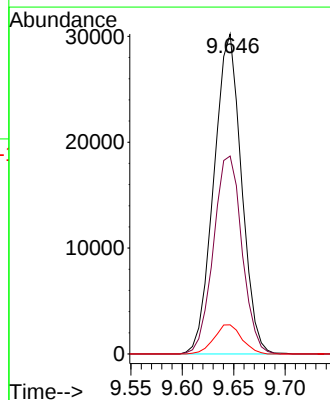
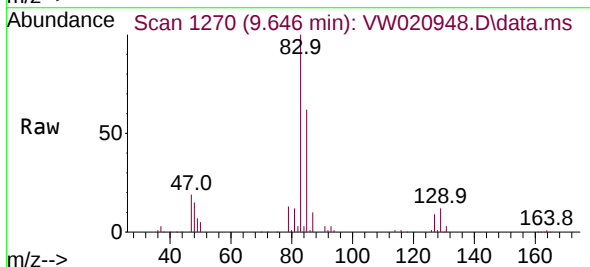
Instrument :  
MSVOA\_W  
ClientSampleId :

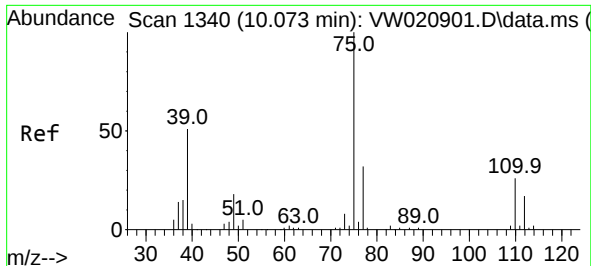
Tgt Ion: 63 Resp: 38181  
Ion Ratio Lower Upper  
63 100  
112 5.1 3.2 4.8#



#38  
Bromodichloromethane  
Concen: 24.129 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 83 Resp: 56443  
Ion Ratio Lower Upper  
83 100  
85 61.8 44.1 81.9  
127 9.1 6.1 9.1

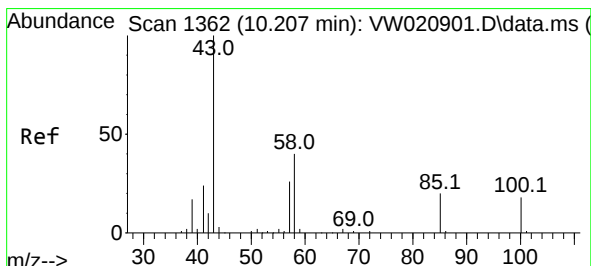
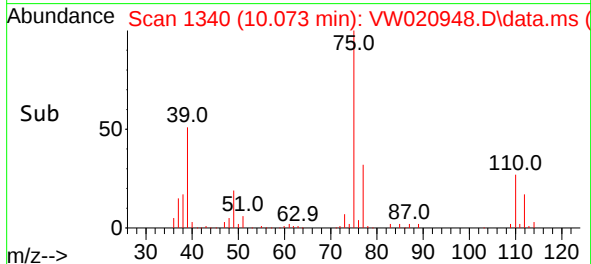
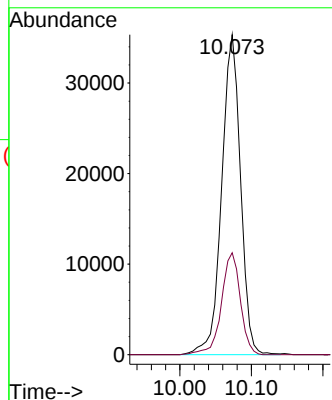
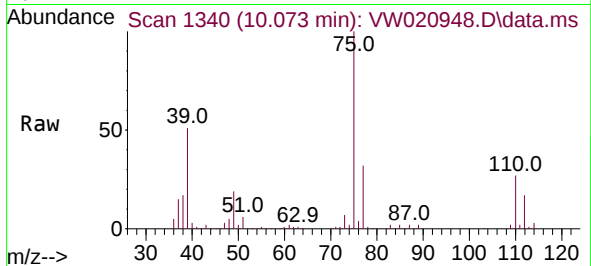




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.053 ug/L  
 RT: 10.073 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

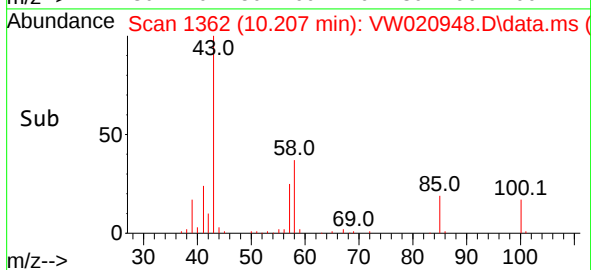
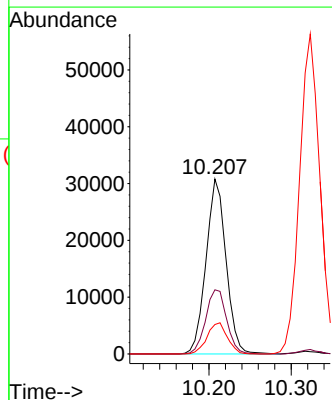
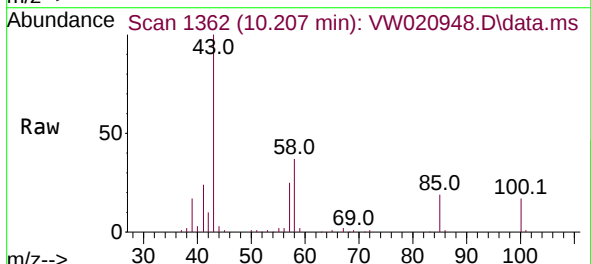
Instrument :  
 MSVOA\_W  
 ClientSampleId :

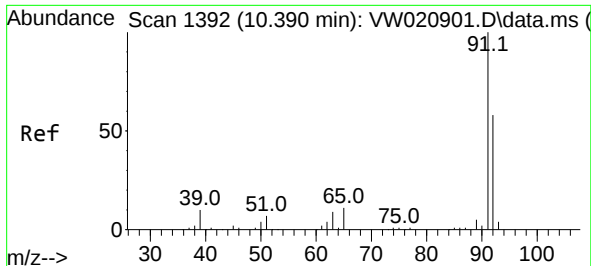
Tgt Ion: 75 Resp: 64734  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 21.8 40.6



#40  
 4-Methyl-2-pentanone  
 Concen: 53.727 ug/L  
 RT: 10.207 min Scan# 1362  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

Tgt Ion: 43 Resp: 52126  
 Ion Ratio Lower Upper  
 43 100  
 58 38.4 28.8 43.2  
 100 18.0 10.0 15.0#

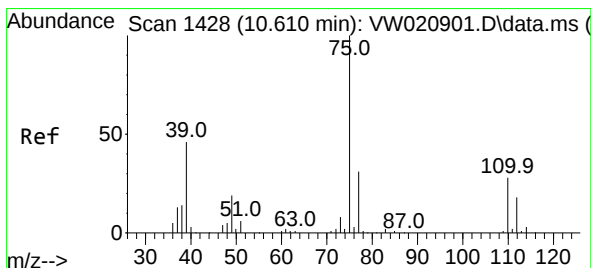
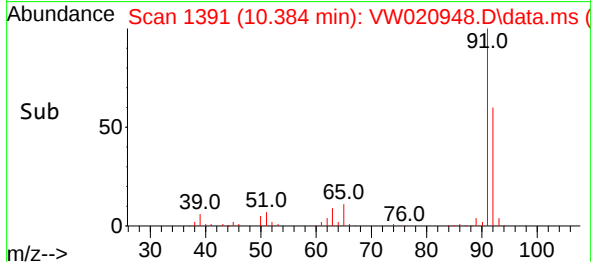
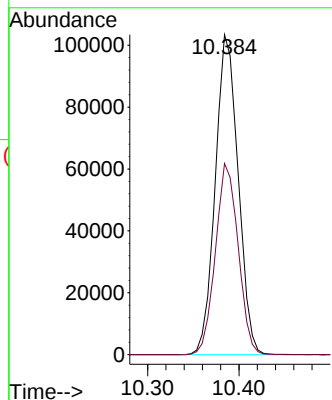
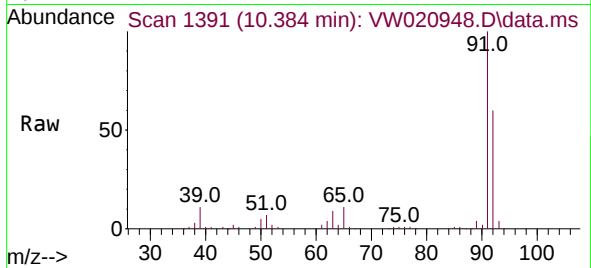




#42  
Toluene  
Concen: 22.836 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

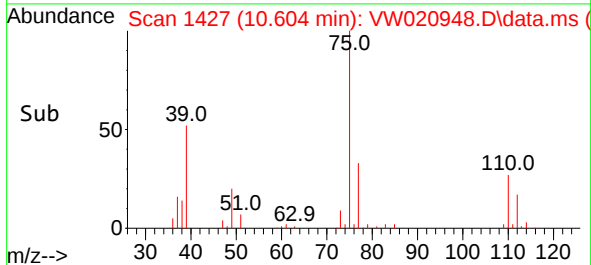
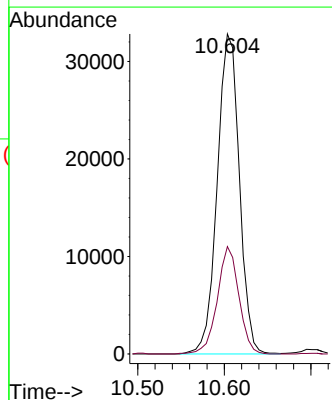
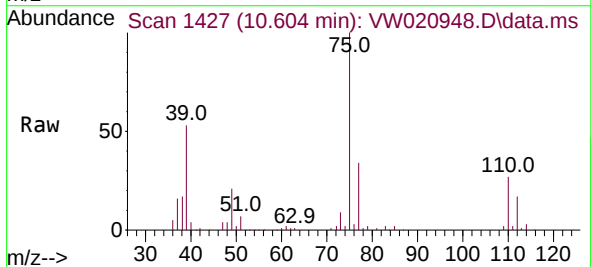
Instrument :  
MSVOA\_W  
ClientSampleId :

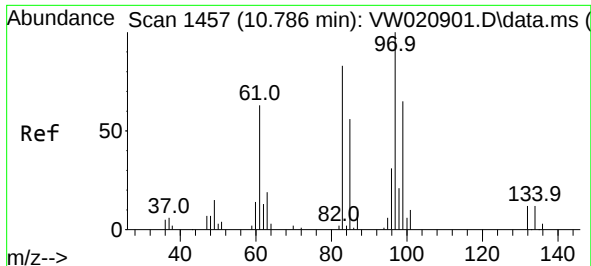
Tgt Ion: 91 Resp: 179902  
Ion Ratio Lower Upper  
91 100  
92 59.7 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 24.597 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

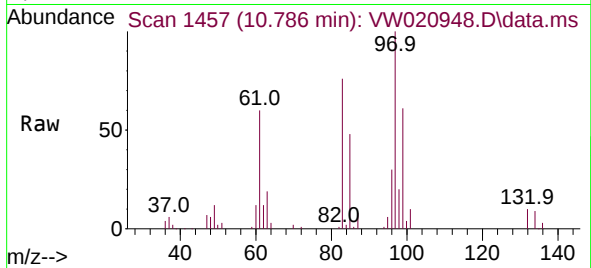
Tgt Ion: 75 Resp: 58180  
Ion Ratio Lower Upper  
75 100  
77 33.5 22.2 41.2



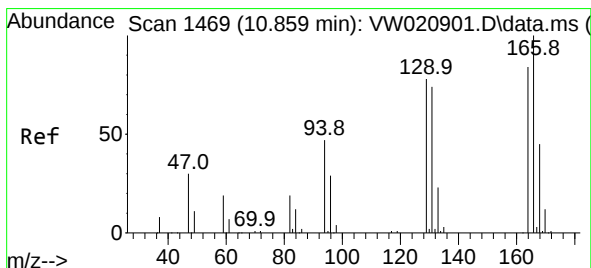
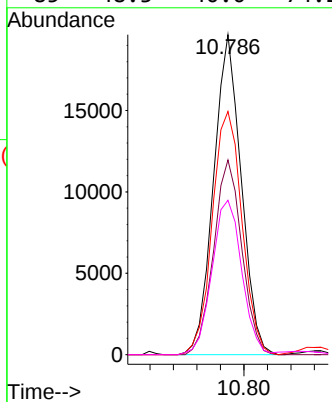
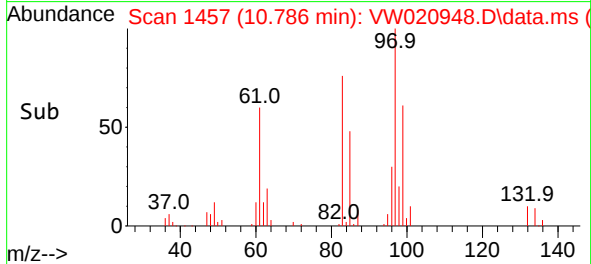


#45  
1,1,2-Trichloroethane  
Concen: 25.316 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

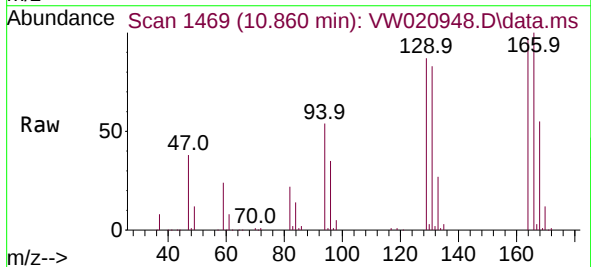
Instrument :  
MSVOA\_W  
ClientSampleId :



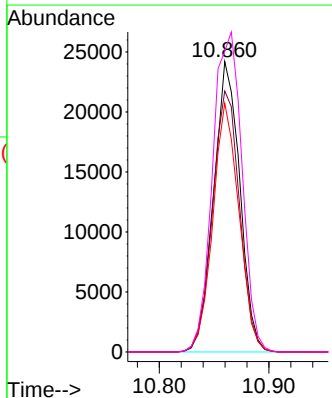
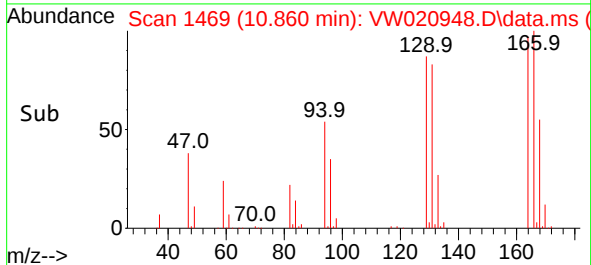
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 32094 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.8  | 43.0  | 79.8  |
| 83       | 76.0  | 62.6  | 116.3 |
| 85       | 48.3  | 40.0  | 74.2  |

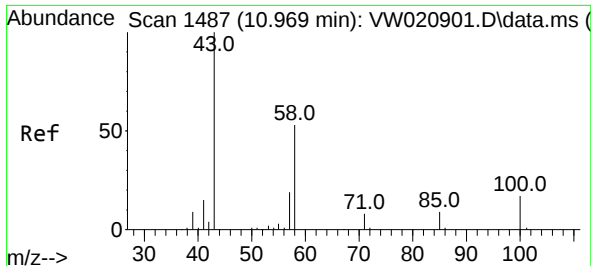


#46  
Tetrachloroethene  
Concen: 22.421 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 40330 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.9  | 65.5  | 121.7 |
| 131      | 85.7  | 59.7  | 110.9 |
| 166      | 103.5 | 88.7  | 164.7 |

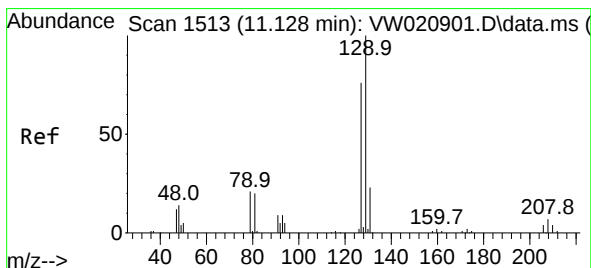
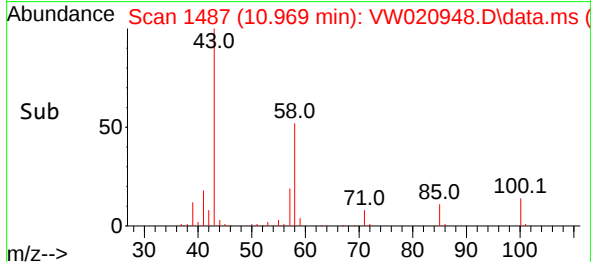
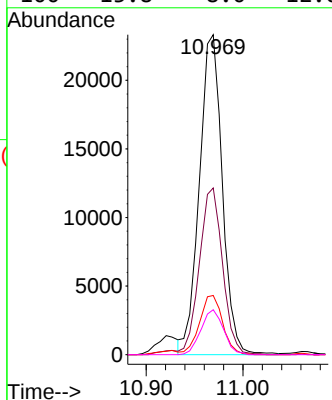
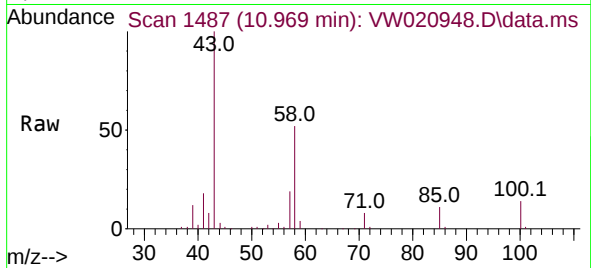




#48  
2-Hexanone  
Concen: 57.429 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

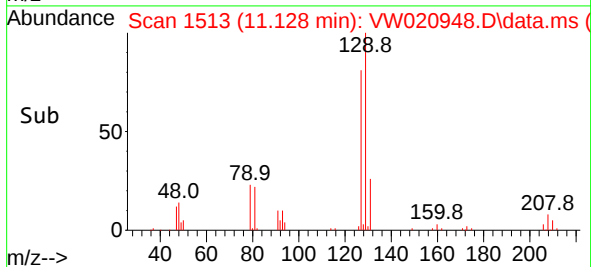
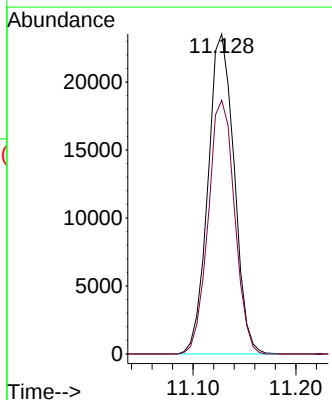
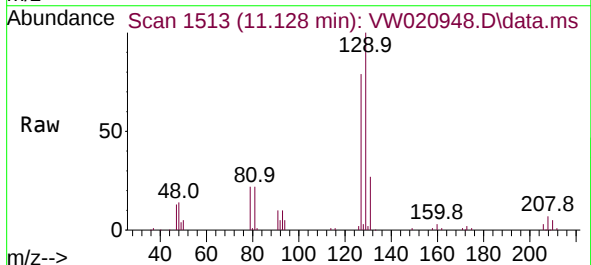
Instrument :  
MSVOA\_W  
ClientSampleId :

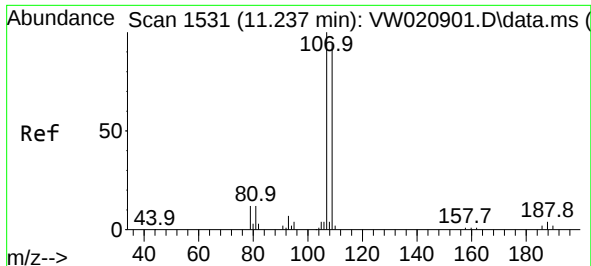
Tgt Ion: 43 Resp: 38595  
Ion Ratio Lower Upper  
43 100  
58 52.5 40.2 60.2  
57 18.7 14.3 21.5  
100 13.8 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 23.780 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 129 Resp: 41562  
Ion Ratio Lower Upper  
129 100  
127 79.3 55.7 103.5





#50

1,2-Dibromoethane

Concen: 25.062 ug/L

RT: 11.232 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW020948.D

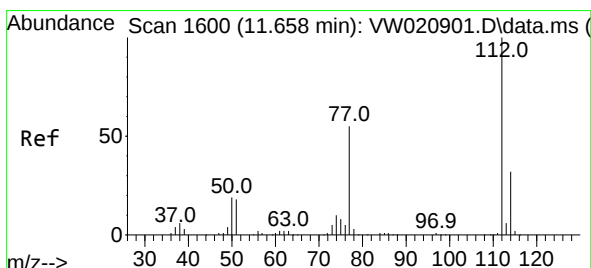
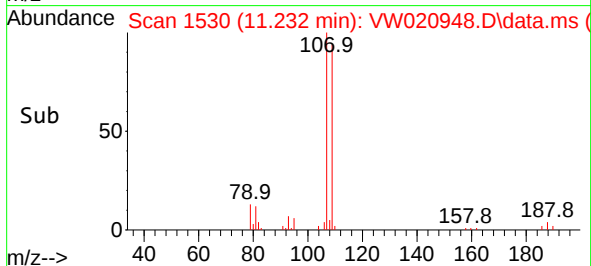
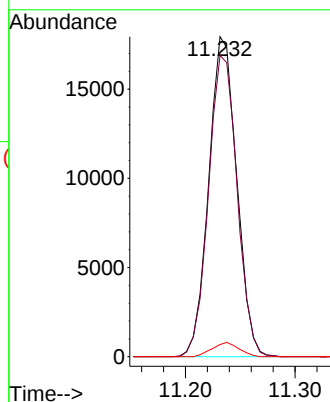
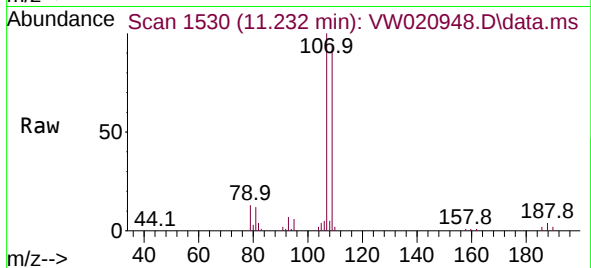
Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 31855      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 94.2  | 64.1 119.1 |
| 188         | 3.8   | 2.6 3.8    |



#51

Chlorobenzene

Concen: 22.422 ug/L

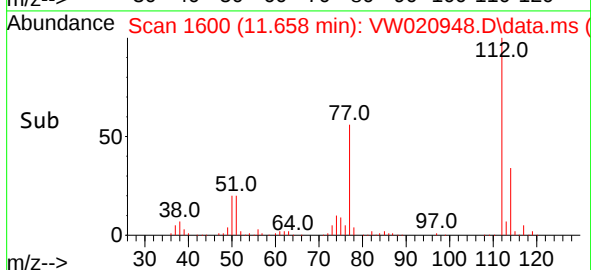
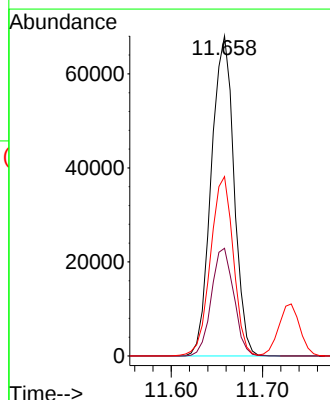
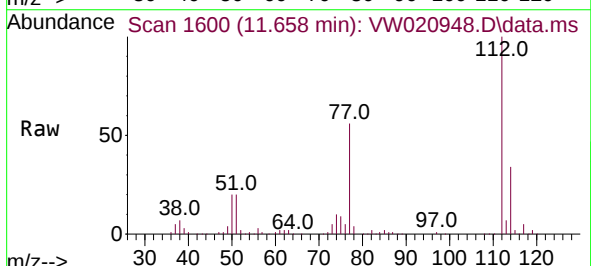
RT: 11.658 min Scan# 1600

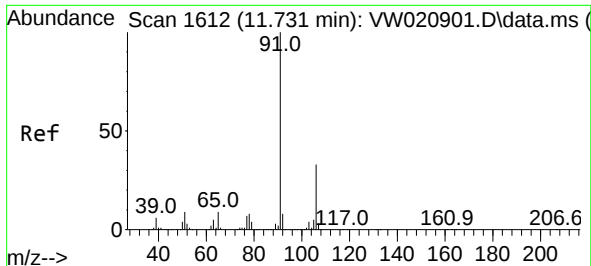
Delta R.T. 0.000 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 117484    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 33.7  | 22.4 41.6 |
| 77          | 56.1  | 50.2 75.4 |

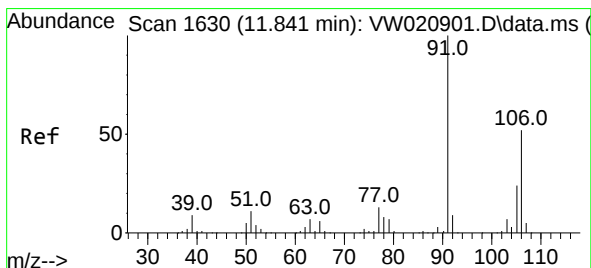
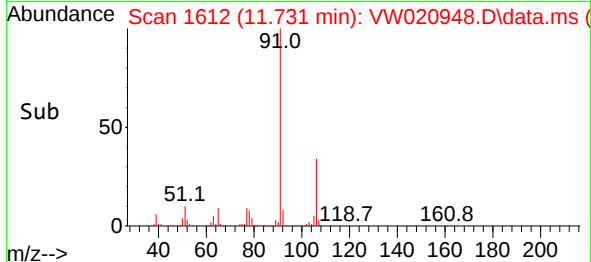
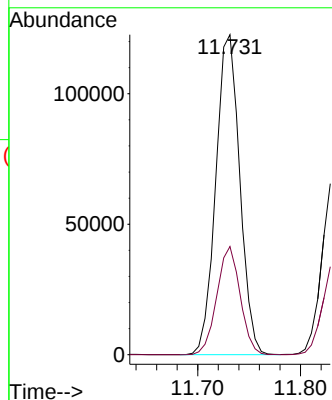
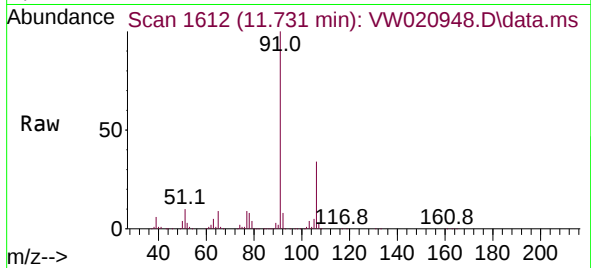




#52  
Ethylbenzene  
Concen: 22.777 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

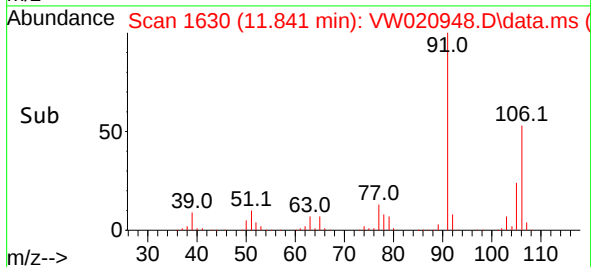
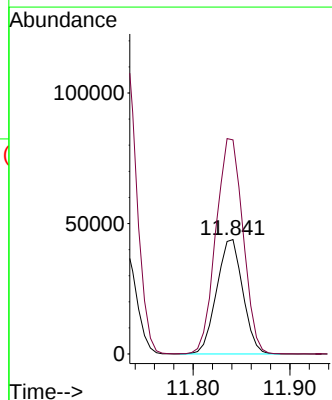
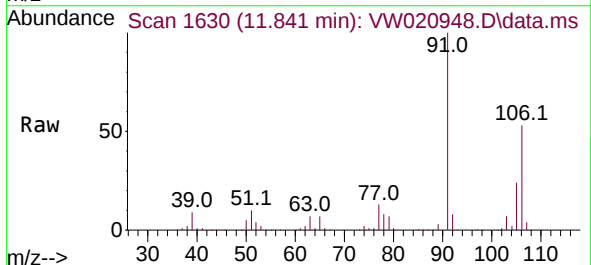
Instrument :  
MSVOA\_W  
ClientSampleId :

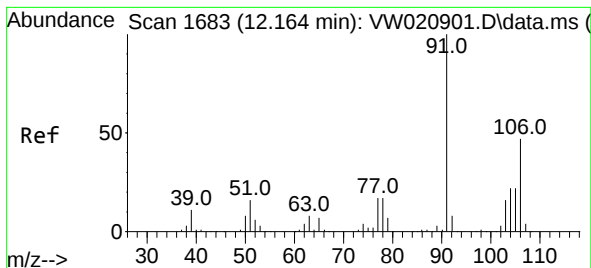
Tgt Ion: 91 Resp: 198835  
Ion Ratio Lower Upper  
91 100  
106 33.8 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.069 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion:106 Resp: 82219  
Ion Ratio Lower Upper  
106 100  
91 187.1 149.9 278.3





#54

o-Xylene

Concen: 22.446 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

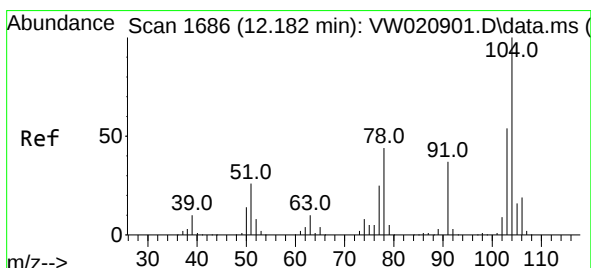
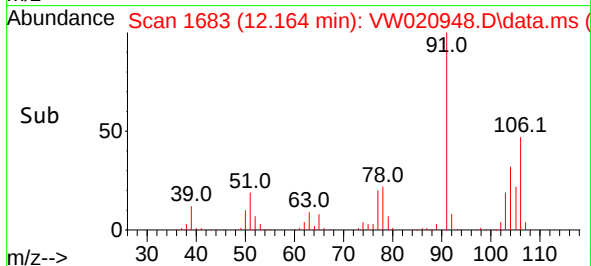
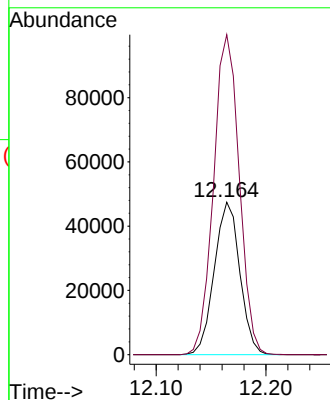
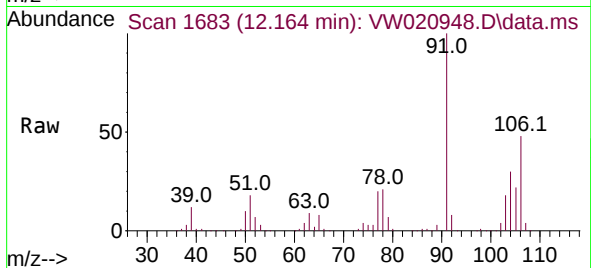
ClientSampleId :

Tgt Ion:106 Resp: 76830

Ion Ratio Lower Upper

106 100

91 209.9 153.6 285.3



#55

Styrene

Concen: 23.089 ug/L

RT: 12.183 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW020948.D

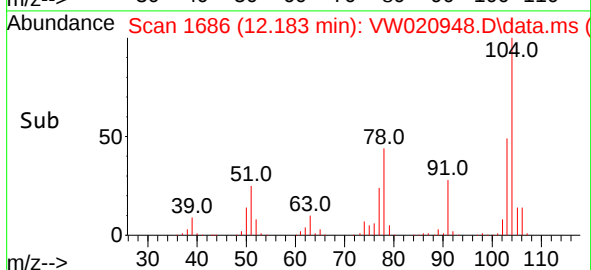
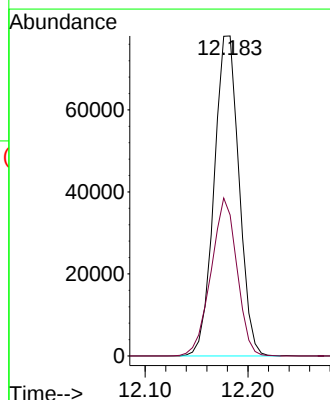
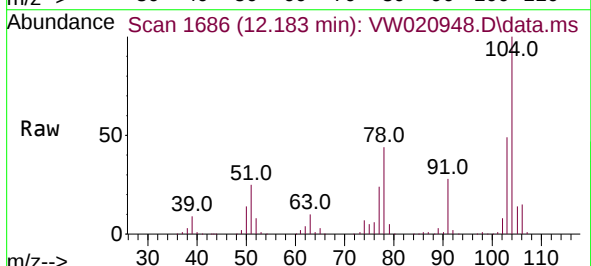
Acq: 26 Nov 2021 10:03

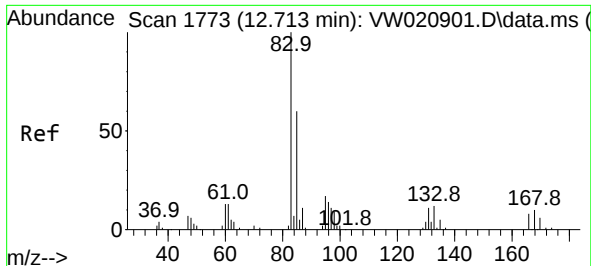
Tgt Ion:104 Resp: 131229

Ion Ratio Lower Upper

104 100

78 44.1 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 26.252 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020948.D

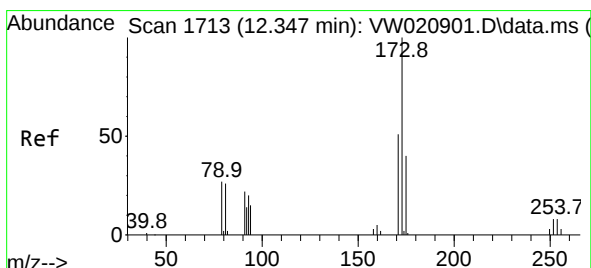
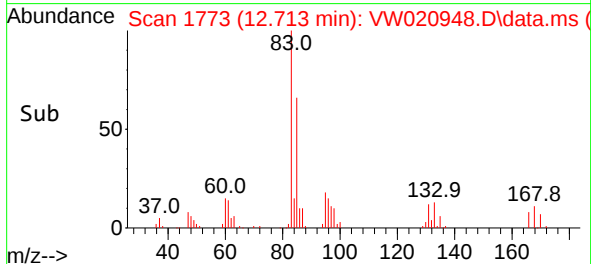
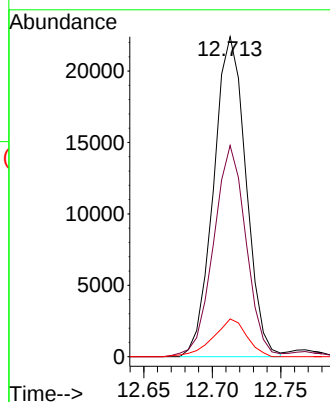
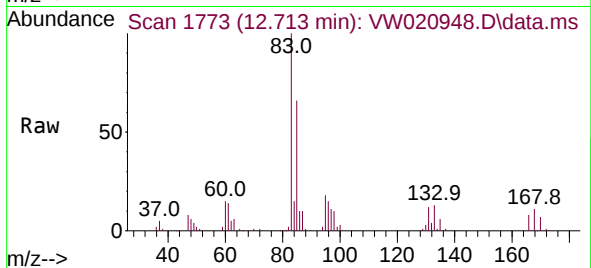
Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 36888 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.0  | 44.0  | 81.6  |
| 131      | 11.8  | 6.9   | 10.3# |



#59

Bromoform

Concen: 24.486 ug/L

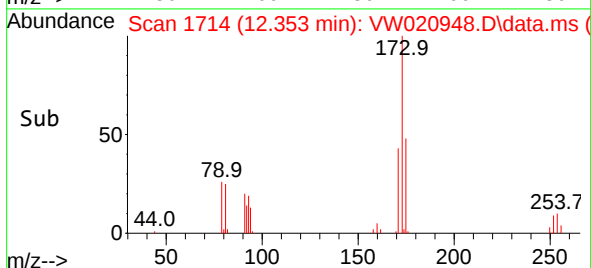
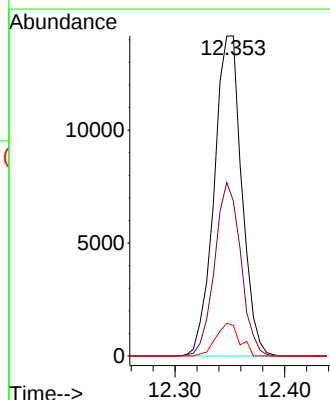
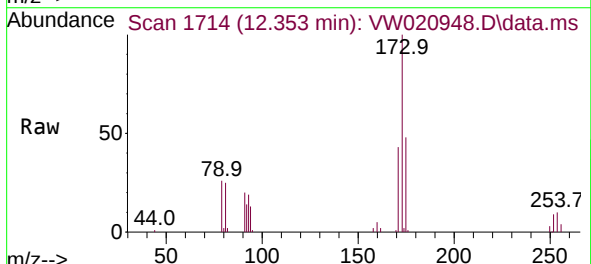
RT: 12.353 min Scan# 1714

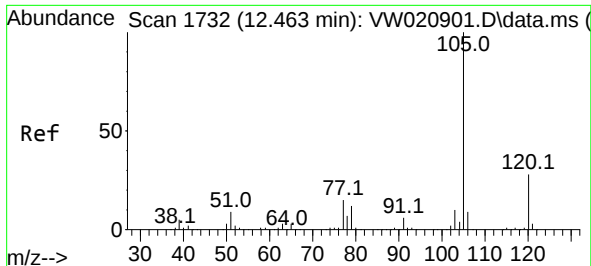
Delta R.T. 0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 24819 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 51.2  | 39.6  | 59.4  |
| 254      | 8.8   | 7.4   | 11.0  |

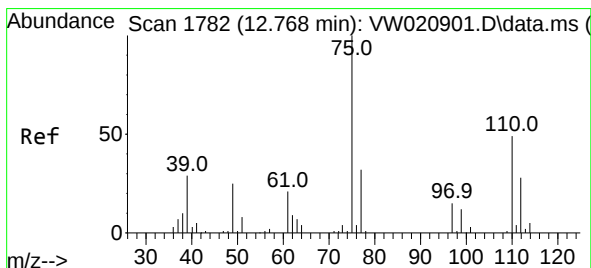
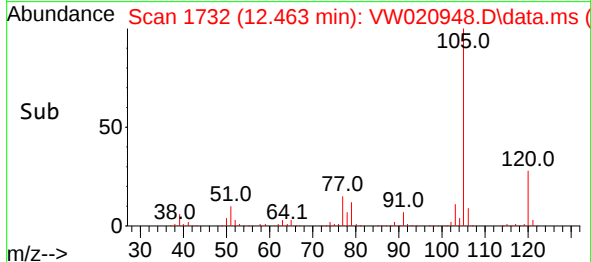
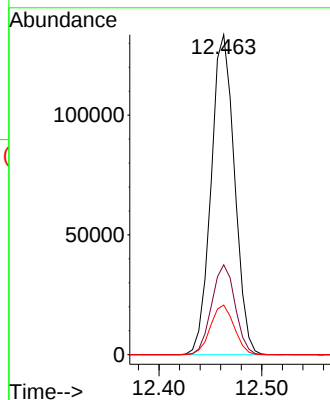
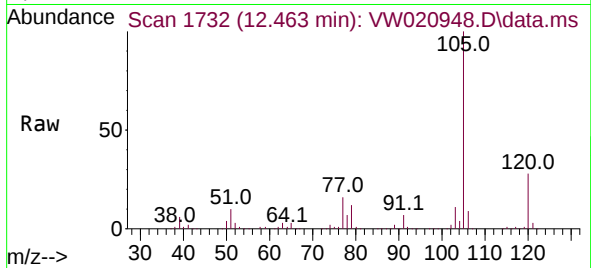




#60  
Isopropylbenzene  
Concen: 22.841 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

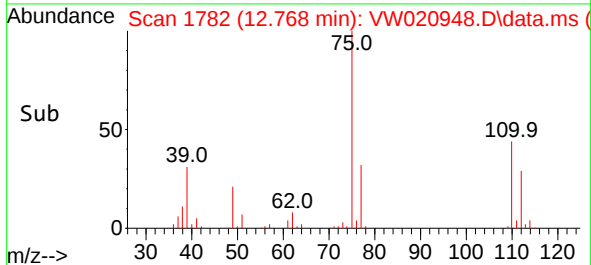
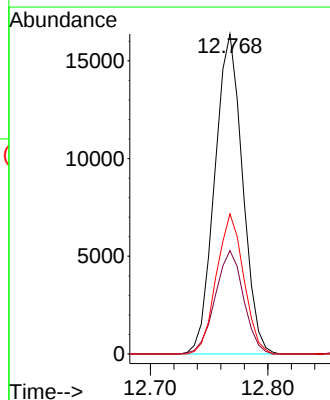
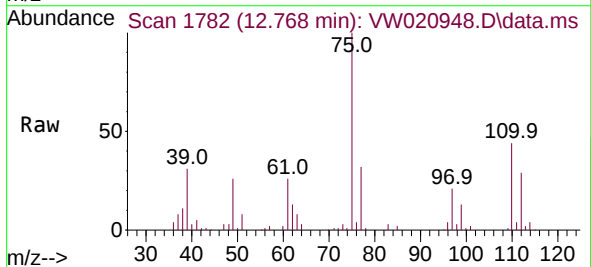
Instrument :  
MSVOA\_W  
ClientSampleId :

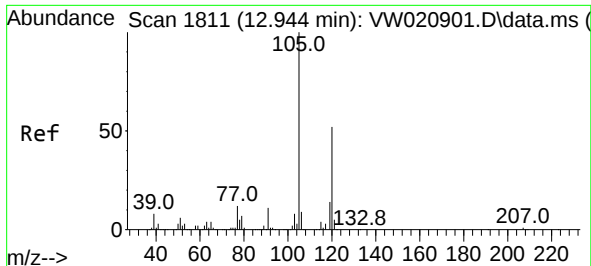
Tgt Ion:105 Resp: 211486  
Ion Ratio Lower Upper  
105 100  
120 28.1 20.1 30.1  
77 15.7 13.8 20.8



#61  
1,2,3-Trichloropropane  
Concen: 27.015 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

Tgt Ion: 75 Resp: 26938  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.8 38.8  
110 42.9 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 23.430 ug/L

RT: 12.938 min Scan# 1811

Delta R.T. -0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

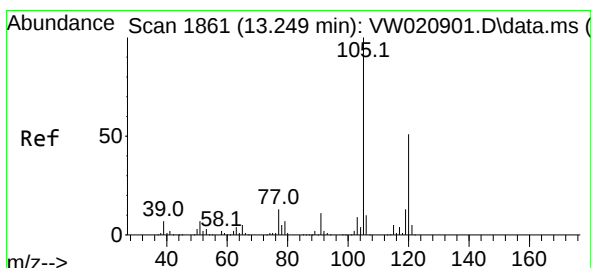
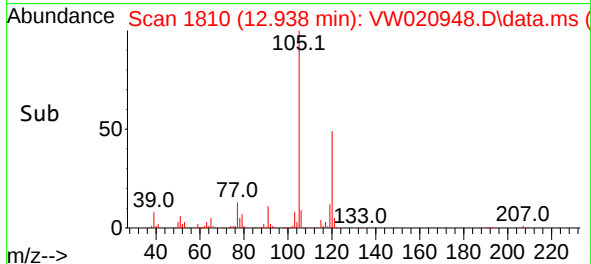
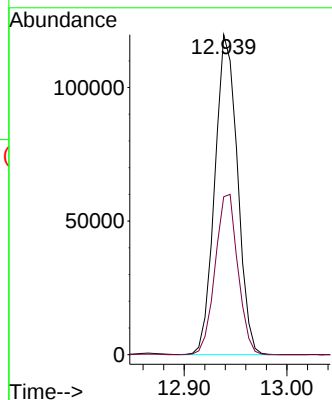
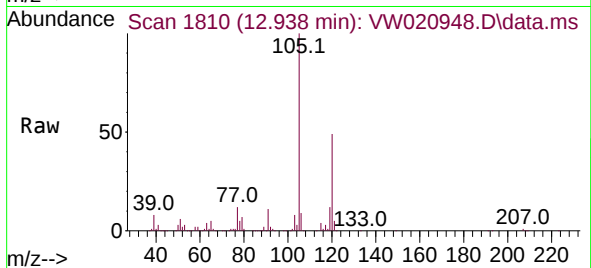
ClientSampleId :

Tgt Ion:105 Resp: 183004

Ion Ratio Lower Upper

105 100

120 50.4 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 23.395 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW020948.D

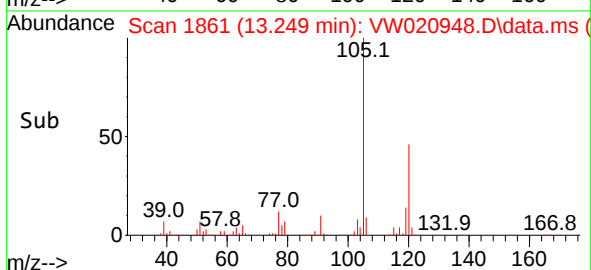
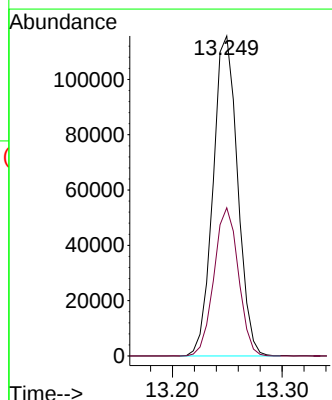
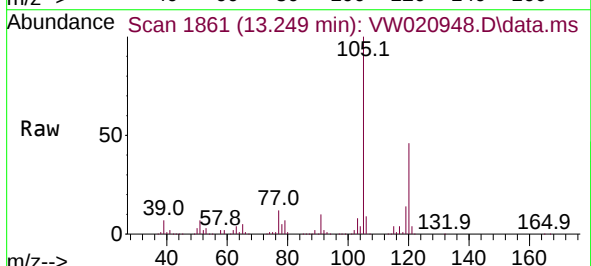
Acq: 26 Nov 2021 10:03

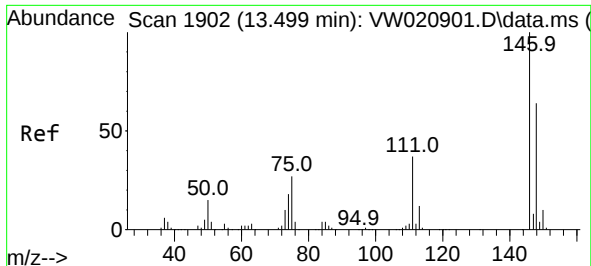
Tgt Ion:105 Resp: 180285

Ion Ratio Lower Upper

105 100

120 46.0 35.0 52.6

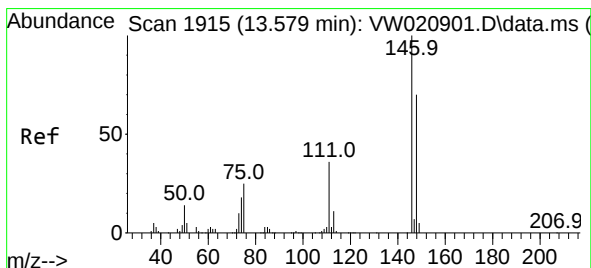
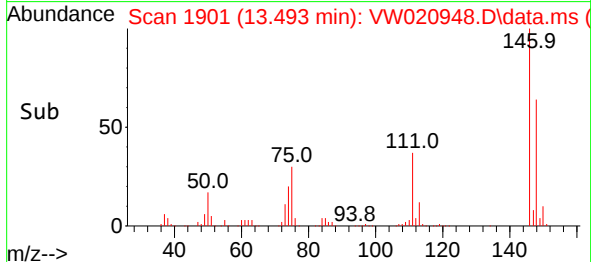
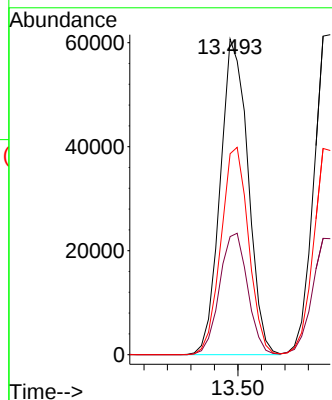
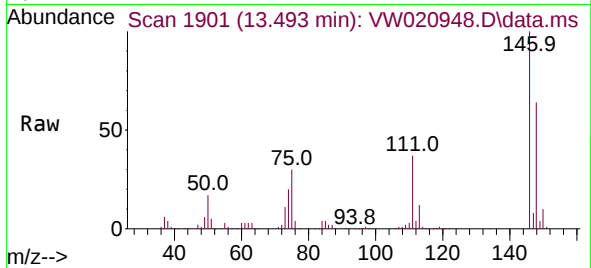




#64  
1,3-Dichlorobenzene  
Concen: 22.990 ug/L  
RT: 13.493 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

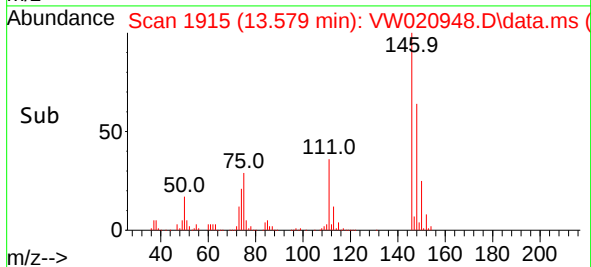
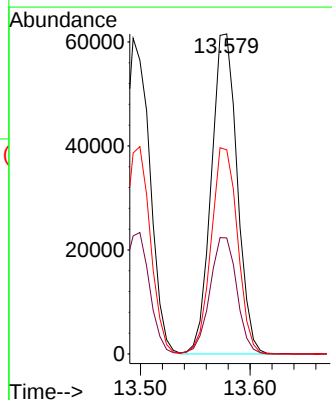
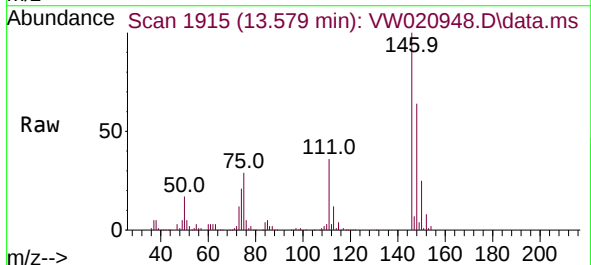
Instrument :  
MSVOA\_W  
ClientSampleId :

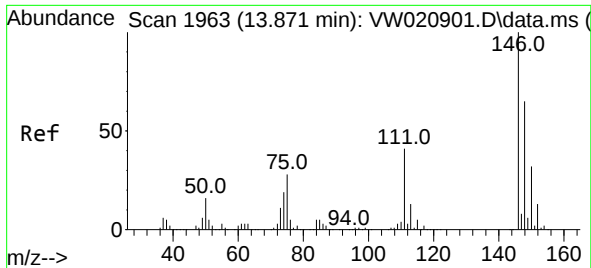
Tgt Ion:146 Resp: 99799  
Ion Ratio Lower Upper  
146 100  
111 37.4 29.8 55.3  
148 63.6 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 23.160 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

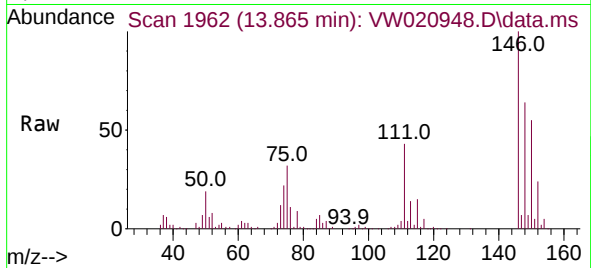
Tgt Ion:146 Resp: 101414  
Ion Ratio Lower Upper  
146 100  
111 36.3 29.0 53.9  
148 63.8 46.9 87.1



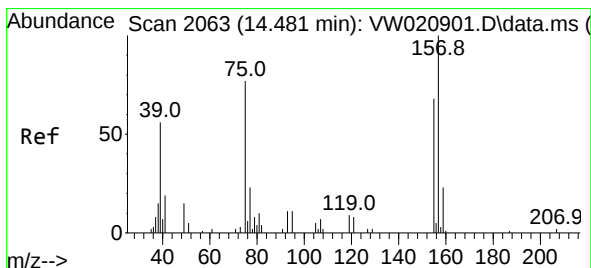
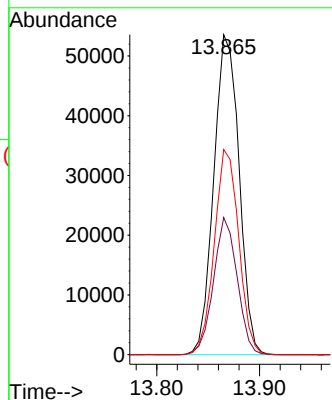
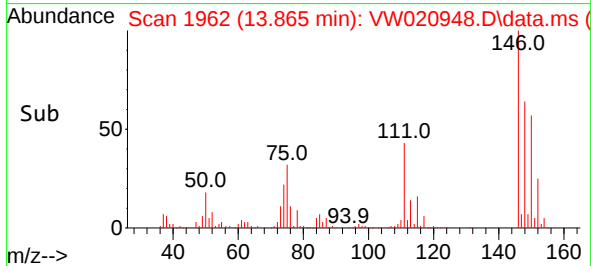


#67  
1,2-Dichlorobenzene  
Concen: 23.928 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.006 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03

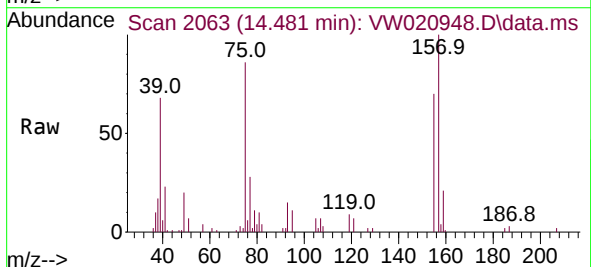
Instrument :  
MSVOA\_W  
ClientSampleId :



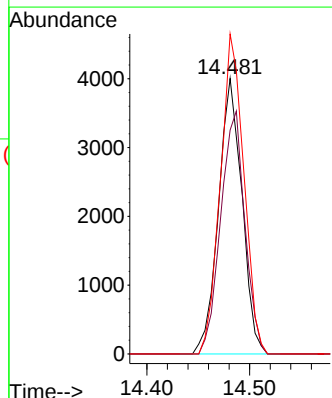
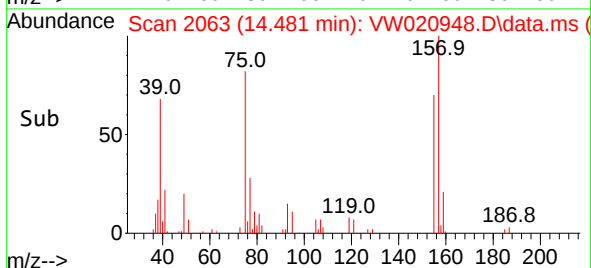
Tgt Ion:146 Resp: 91528  
Ion Ratio Lower Upper  
146 100  
111 42.9 33.1 49.7  
148 64.1 47.4 71.2

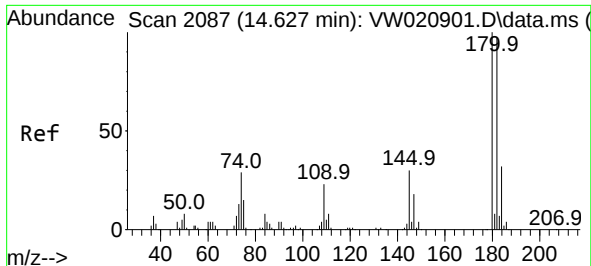


#68  
1,2-Dibromo-3-chloropropane  
Concen: 26.587 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW020948.D  
Acq: 26 Nov 2021 10:03



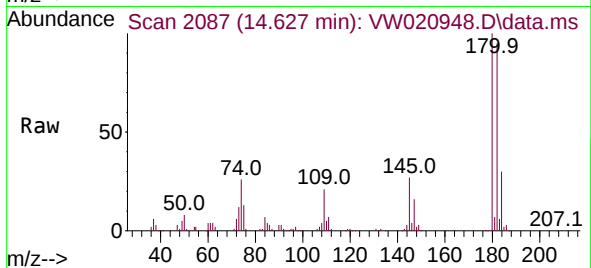
Tgt Ion: 75 Resp: 6338  
Ion Ratio Lower Upper  
75 100  
155 81.3 54.2 81.2#  
157 116.2 69.4 104.2#



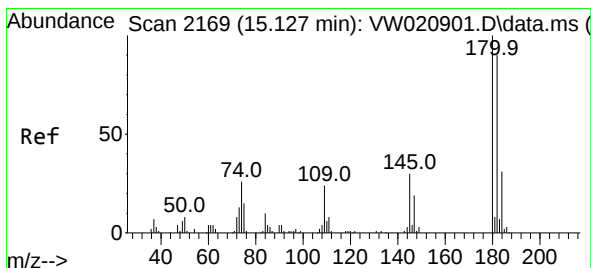
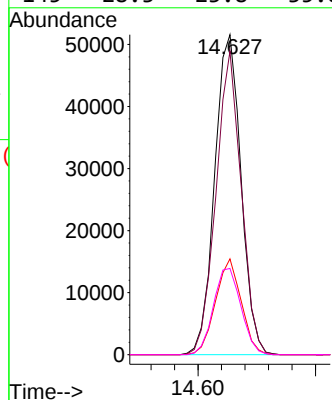
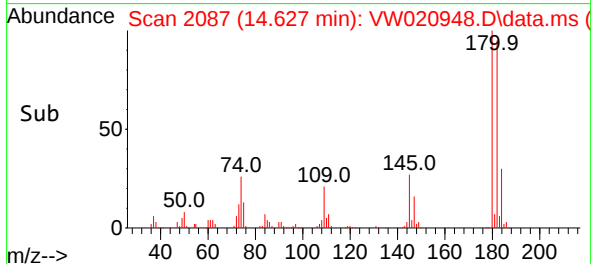


#69  
 1,3,5-Trichlorobenzene  
 Concen: 23.342 ug/L  
 RT: 14.627 min Scan# 2087  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03

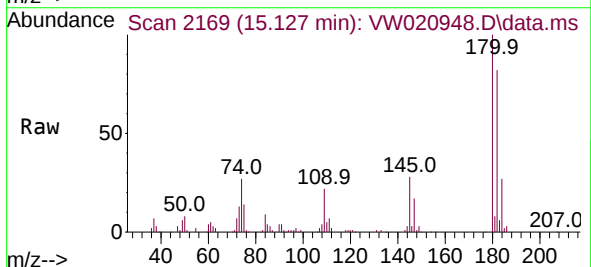
Instrument :  
 MSVOA\_W  
 ClientSampleId :



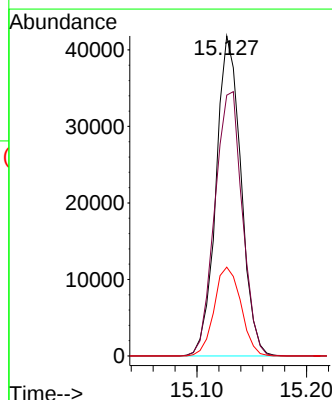
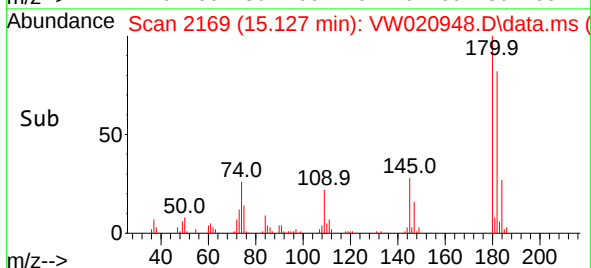
Tgt Ion:180 Resp: 80255  
 Ion Ratio Lower Upper  
 180 100  
 182 90.9 75.4 113.0  
 184 29.2 23.8 35.8  
 145 28.3 23.8 35.8

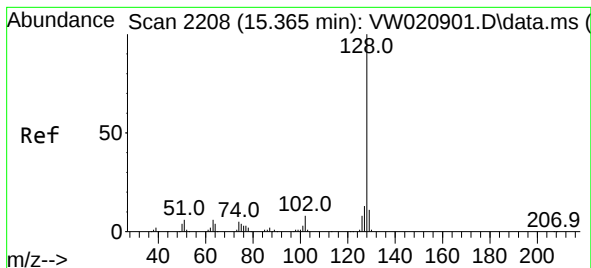


#70  
 1,2,4-trichlorobenzene  
 Concen: 23.523 ug/L  
 RT: 15.127 min Scan# 2169  
 Delta R.T. 0.000 min  
 Lab File: VW020948.D  
 Acq: 26 Nov 2021 10:03



Tgt Ion:180 Resp: 66166  
 Ion Ratio Lower Upper  
 180 100  
 182 91.1 79.0 118.6  
 145 29.7 26.0 39.0





#71

Naphthalene

Concen: 25.862 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

Instrument :

MSVOA\_W

ClientSampleId :

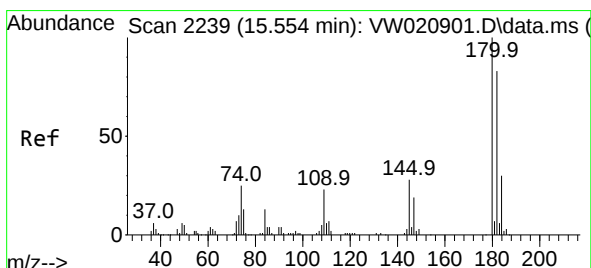
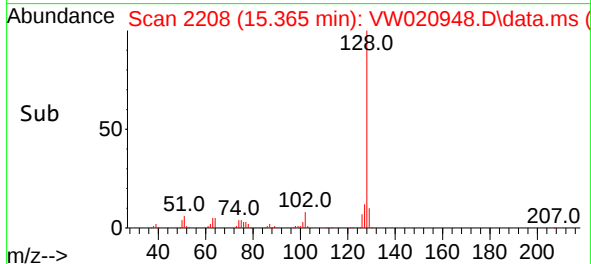
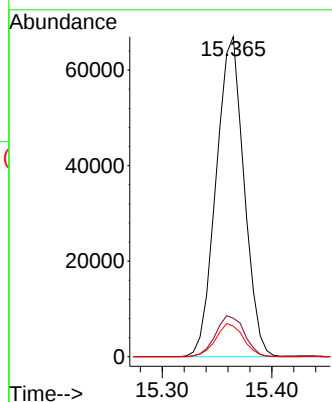
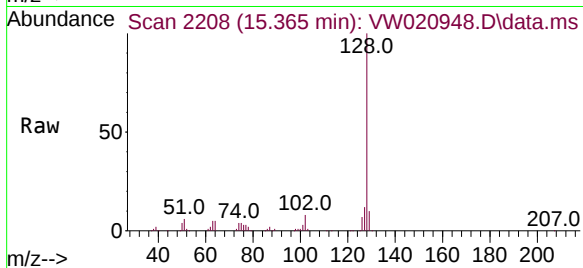
Tgt Ion:128 Resp: 118534

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.3 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 22.832 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW020948.D

Acq: 26 Nov 2021 10:03

Tgt Ion:180 Resp: 54193

Ion Ratio Lower Upper

180 100

182 97.7 76.6 114.8

145 31.4 27.4 41.0

