

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW021924\  
 Data File : VW034253.D  
 Acq On : 19 Feb 2024 19:10  
 Operator : SY/MD  
 Sample : P1503-04MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCNB1MS

Quant Time: Feb 20 03:31:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 20 01:47:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 68533    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 63237    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 33496    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 22649    | 4.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.400%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 19634    | 4.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 11018    | 4.304    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.000%  |
| 20) 2-Butanone-d5             | 3.796  | 46    | 42028    | 47.148   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.300%  |
| 24) Chloroform-d              | 4.252  | 84    | 46451    | 4.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 22819    | 5.063    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.200% |
| 32) Benzene-d6                | 4.960  | 84    | 82302    | 4.338    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 22027    | 4.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 83.000%  |
| 41) Toluene-d8                | 7.243  | 98    | 77681    | 4.455    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 8240     | 4.115    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.200%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 34140    | 47.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.520%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 15791    | 4.911    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 28462    | 4.672    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 24343    | 3.876    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 28591    | 4.173    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285  | 62    | 29265    | 4.471    | ug/L   | 93       |
| 6) Bromomethane               | 1.487  | 94    | 14378    | 4.171    | ug/L   | 95       |
| 8) Chloroethane               | 1.548  | 64    | 21251    | 4.759    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 51123    | 5.419    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 26082    | 5.289    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 24673    | 5.153    | ug/L   | 97       |
| 13) Acetone                   | 2.121  | 43    | 35745    | 52.856   | ug/L # | 40       |
| 14) Carbon disulfide          | 2.240  | 76    | 71805    | 4.635    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 7231     | 4.518    | ug/L   | 99       |
| 16) Methylene chloride        | 2.449  | 84    | 23134    | 5.036    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 54147    | 5.504    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 24170    | 4.957    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 45569    | 5.086    | ug/L   | 97       |
| 21) 2-Butanone                | 3.876  | 43    | 42359    | 47.398   | ug/L # | 46       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 26845    | 4.852    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.153  | 128   | 10566    | 5.494    | ug/L   | 84       |
| 25) Chloroform                | 4.278  | 83    | 47260    | 5.218    | ug/L   | 96       |

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 ALS Vial : 27 Sample Multiplier: 1

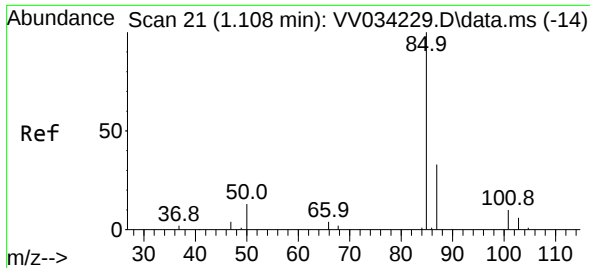
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCNB1MS

Quant Time: Feb 20 03:31:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 20 01:47:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 28918    | 5.576  | ug/L # | 95       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 45350    | 5.342  | ug/L   | 99       |
| 30) Cyclohexane               | 4.580  | 56   | 36489    | 4.419  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 41101    | 5.533  | ug/L   | 99       |
| 33) Benzene                   | 5.011  | 78   | 94973    | 5.007  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 24888    | 4.534  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.050  | 83   | 38851    | 4.509  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 21753    | 4.735  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 31250    | 5.182  | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 29846    | 4.269  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 111645   | 50.746 | ug/L   | 98       |
| 42) Toluene                   | 7.317  | 91   | 103857   | 5.123  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 24600    | 4.583  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 14100    | 4.970  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.905  | 164  | 20827    | 4.669  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.075  | 43   | 77256    | 49.817 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.178  | 129  | 18418    | 5.463  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 13431    | 5.275  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.815  | 112  | 65758    | 5.131  | ug/L   | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 118883   | 5.095  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 43667    | 4.952  | ug/L   | 97       |
| 54) o-Xylene                  | 9.477  | 106  | 43794    | 5.151  | ug/L   | 99       |
| 55) Styrene                   | 9.497  | 104  | 68825    | 5.055  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 16377    | 5.470  | ug/L   | 99       |
| 59) Bromoform                 | 9.667  | 173  | 8514     | 4.614  | ug/L   | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 113849   | 4.594  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 11603    | 5.039  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 101192   | 4.829  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 101316   | 4.976  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 53331    | 4.935  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 51505    | 4.813  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 47294    | 5.096  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 2585     | 5.356  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 40078    | 4.792  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 31455    | 4.818  | ug/L   | 98       |
| 71) Naphthalene               | 13.442 | 128  | 41938    | 4.902  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 27119    | 5.184  | ug/L   | 97       |

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

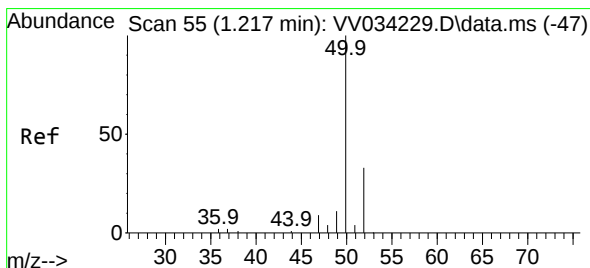
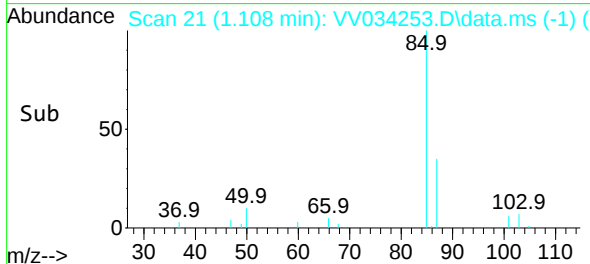
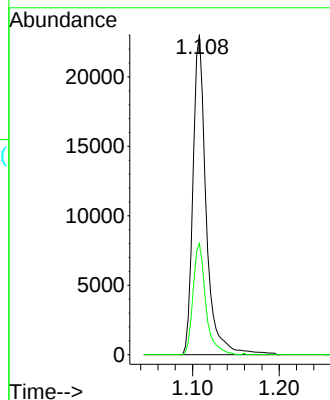
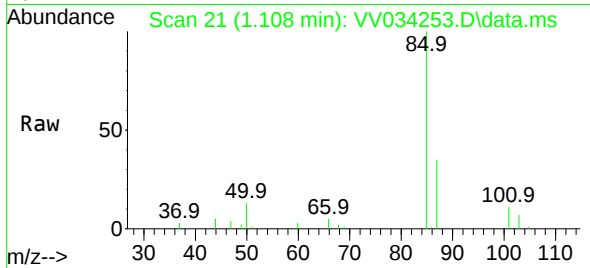




#2  
 Dichlorodifluoromethane  
 Concen: 3.876 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

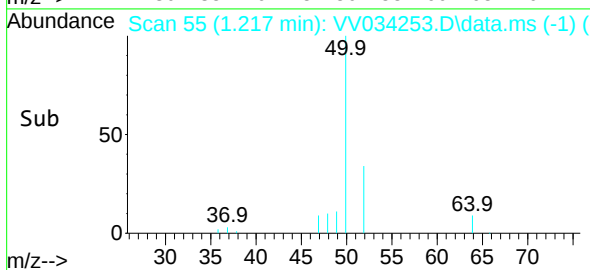
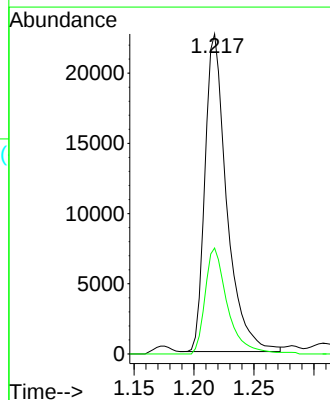
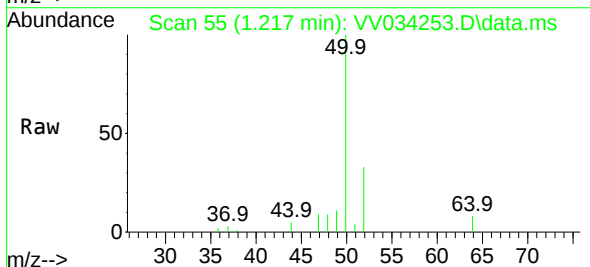
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCNB1MS

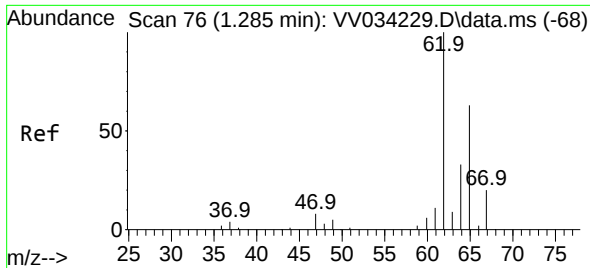
Tgt Ion: 85 Resp: 24343  
 Ion Ratio Lower Upper  
 85 100  
 87 33.5 26.2 39.4



#3  
 Chloromethane  
 Concen: 4.173 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

Tgt Ion: 50 Resp: 28591  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 23.4 43.4



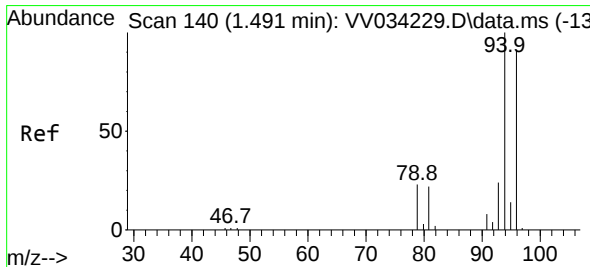
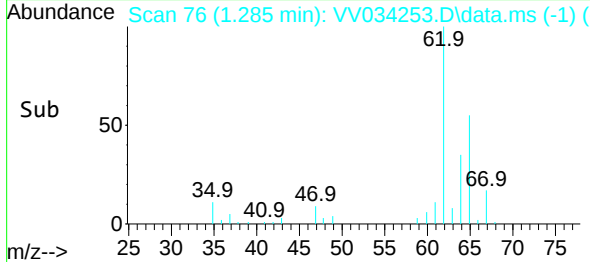
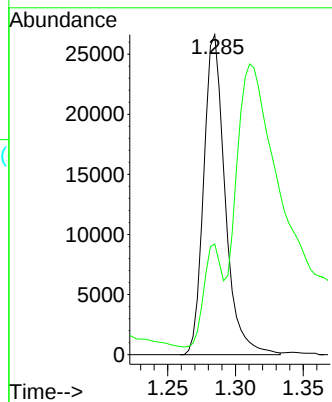
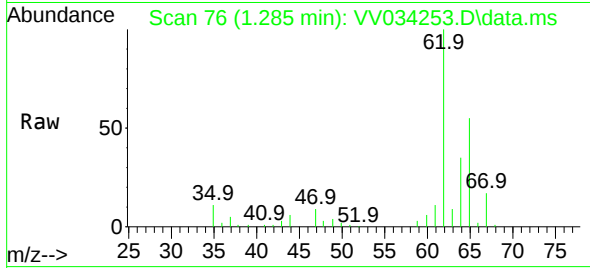


#5  
 Vinyl chloride  
 Concen: 4.471 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

Instrument : MSVOA\_V  
 ClientSampleId : DCNB1MS

Tgt Ion: 62 Resp: 29265

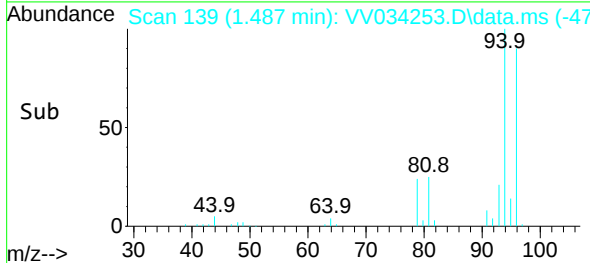
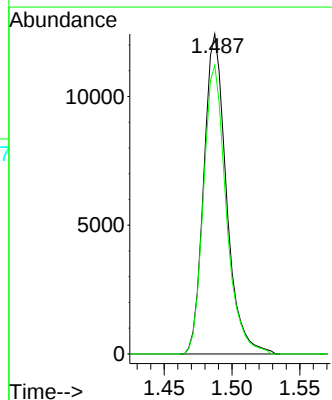
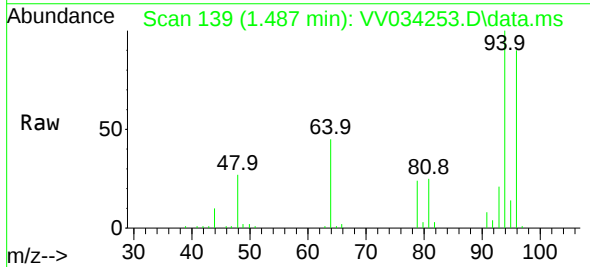
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 34.6  | 27.2  | 50.4  |

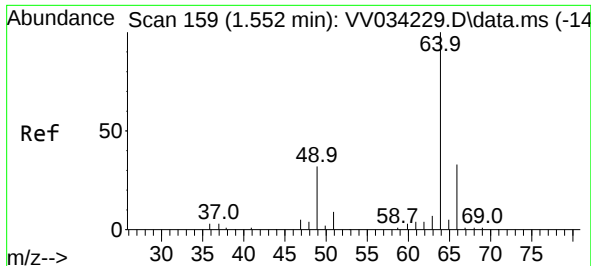


#6  
 Bromomethane  
 Concen: 4.171 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. -0.003 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

Tgt Ion: 94 Resp: 14378

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 96  | 90.3  | 66.6  | 123.8 |

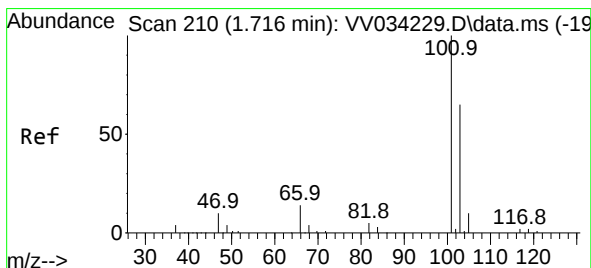
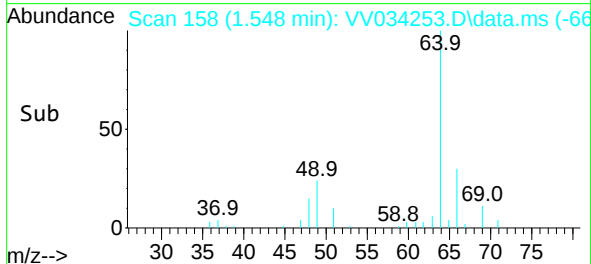
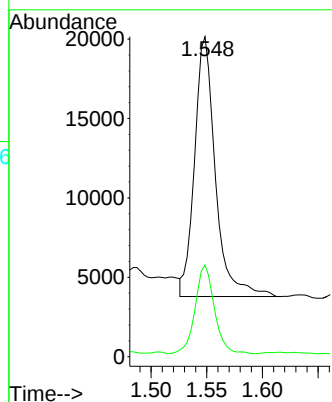
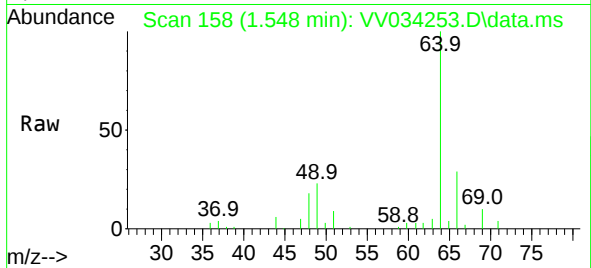




#8  
Chloroethane  
Concen: 4.759 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

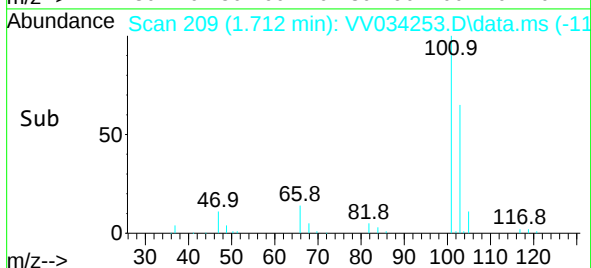
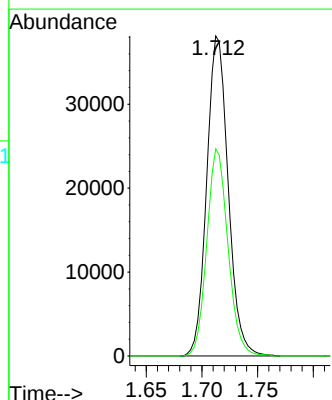
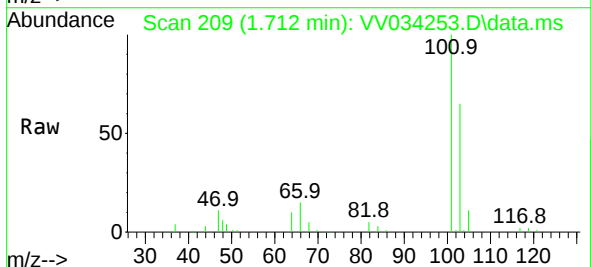
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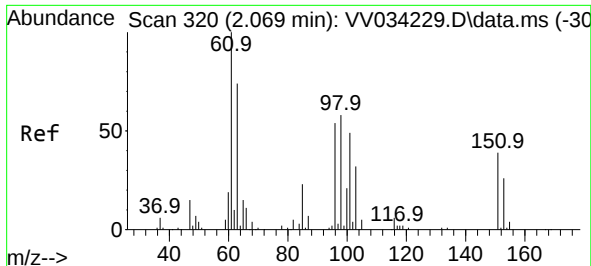
Tgt Ion: 64 Resp: 21251  
Ion Ratio Lower Upper  
64 100  
66 28.7 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 5.419 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion:101 Resp: 51123  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.289 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

DCNB1MS

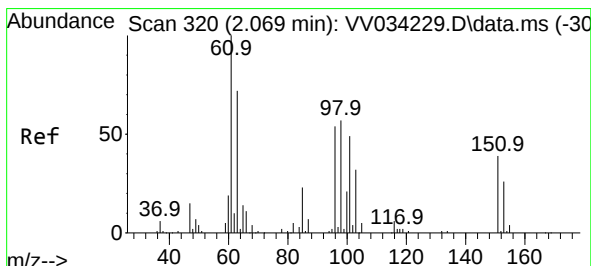
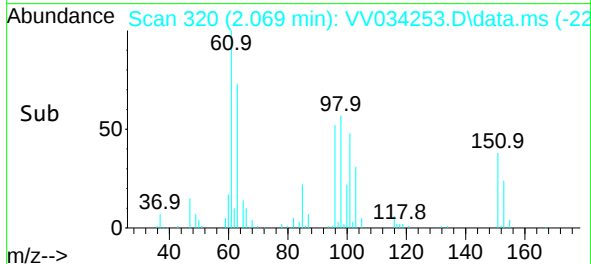
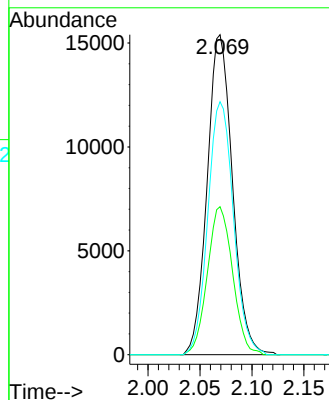
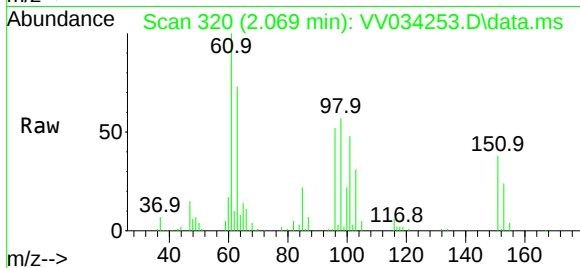
Tgt Ion:101 Resp: 26082

Ion Ratio Lower Upper

101 100

85 46.1 37.1 55.7

151 80.1 61.7 92.5



#12

1,1-Dichloroethene

Concen: 5.153 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

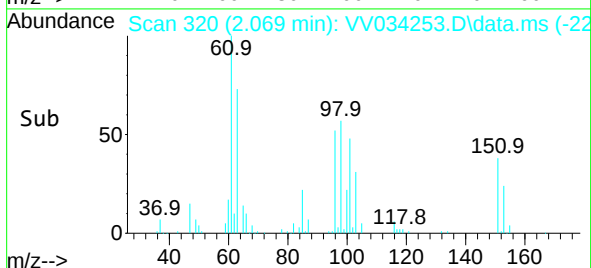
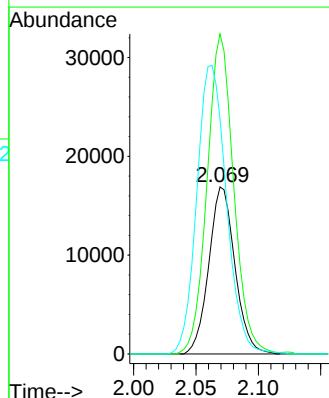
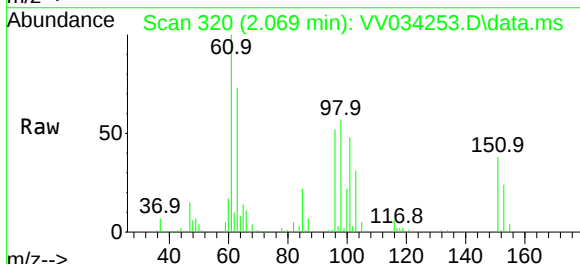
Tgt Ion: 96 Resp: 24673

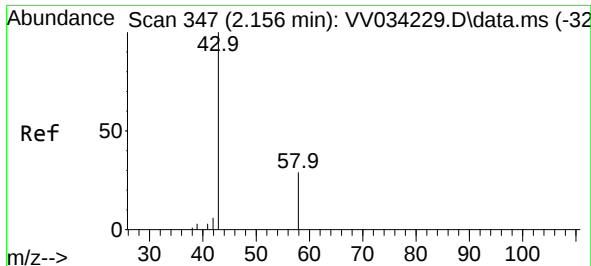
Ion Ratio Lower Upper

96 100

61 191.5 128.8 239.2

63 140.5 97.9 181.9





#13

Acetone

Concen: 52.856 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

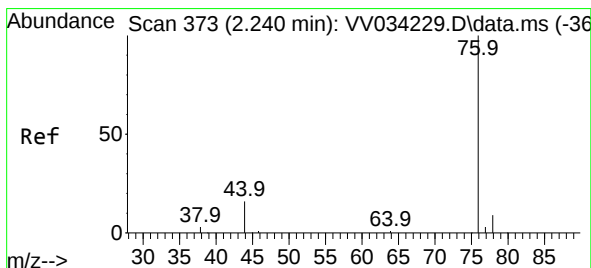
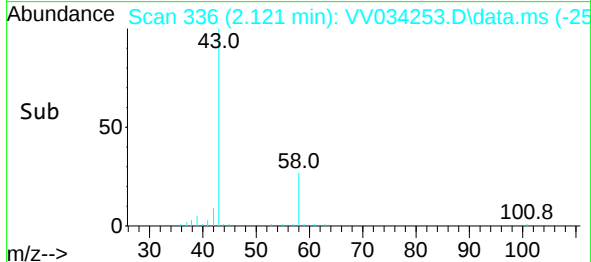
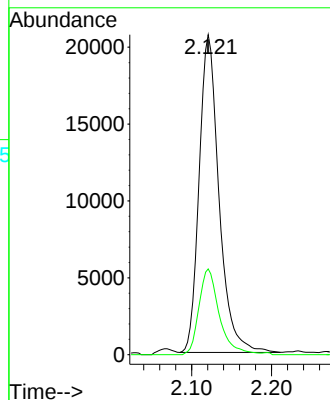
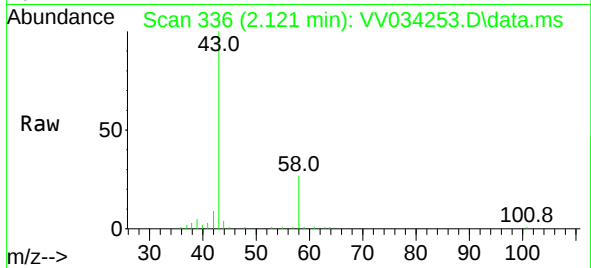
DCNB1MS

Tgt Ion: 43 Resp: 35745

Ion Ratio Lower Upper

43 100

58 27.7 0.0 13.8#



#14

Carbon disulfide

Concen: 4.635 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034253.D

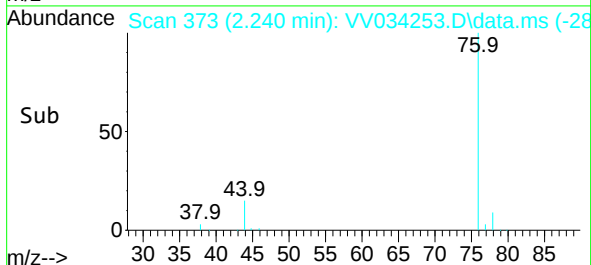
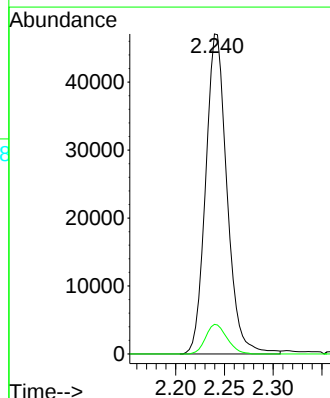
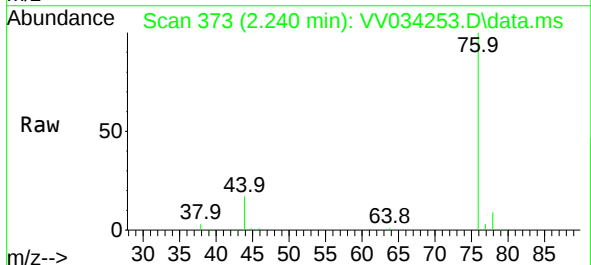
Acq: 19 Feb 2024 19:10

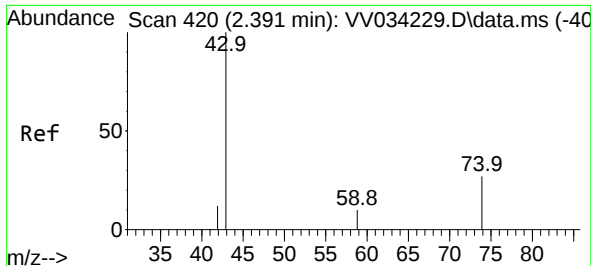
Tgt Ion: 76 Resp: 71805

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

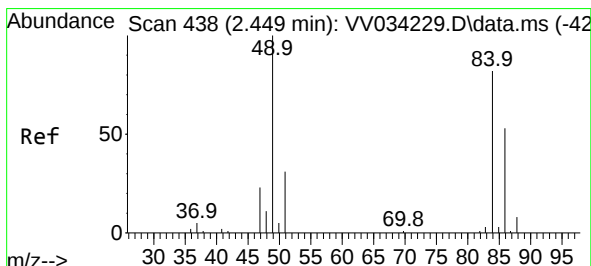
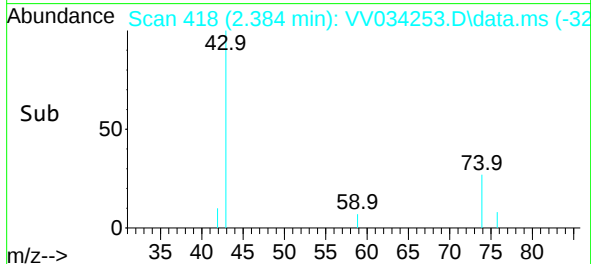
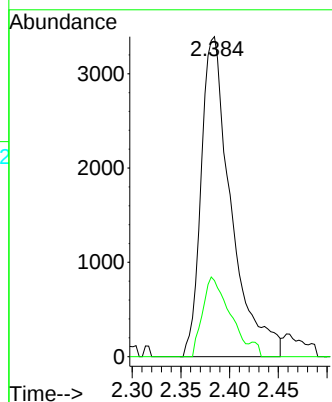
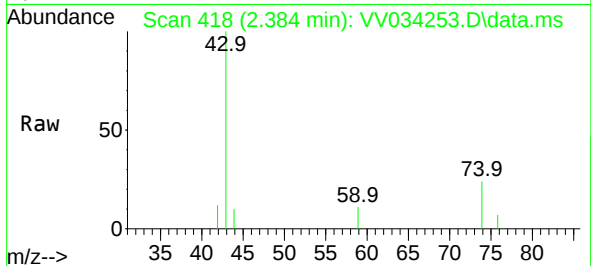




#15  
Methyl Acetate  
Concen: 4.518 ug/L  
RT: 2.384 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

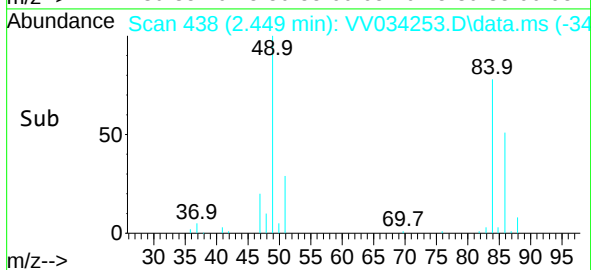
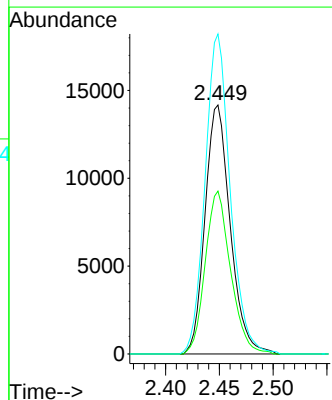
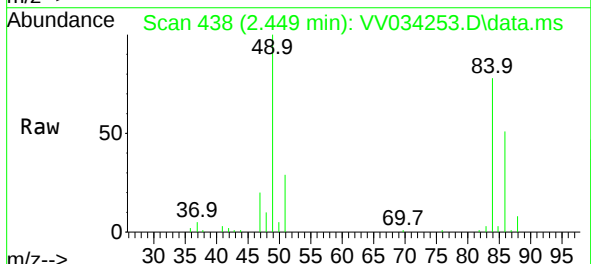
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

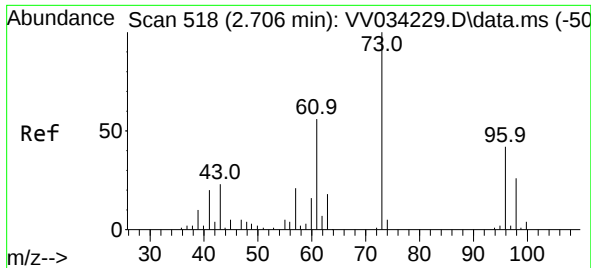
Tgt Ion: 43 Resp: 7231  
Ion Ratio Lower Upper  
43 100  
74 22.3 18.2 27.4



#16  
Methylene chloride  
Concen: 5.036 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 84 Resp: 23134  
Ion Ratio Lower Upper  
84 100  
86 65.4 44.7 83.1  
49 128.6 93.7 173.9

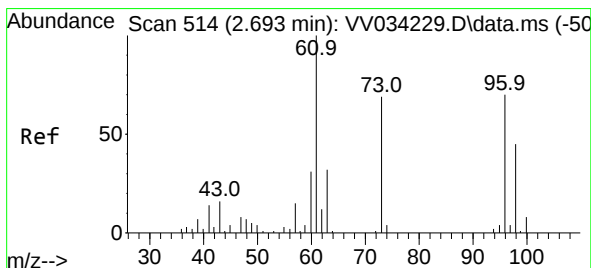
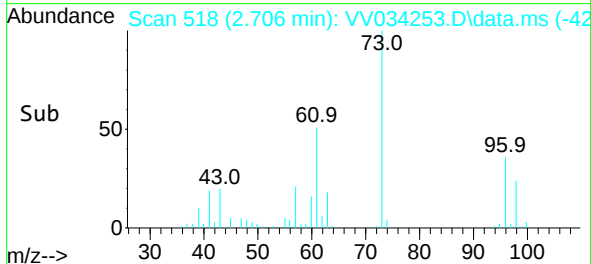
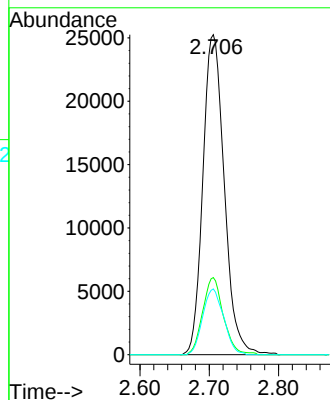
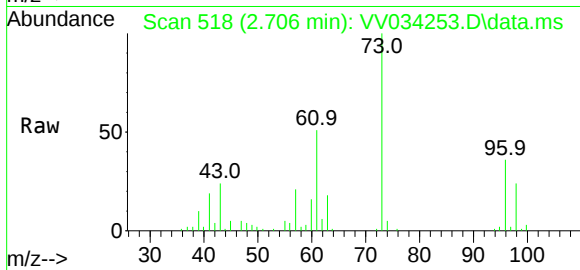




#17  
Methyl tert-butyl Ether  
Concen: 5.504 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

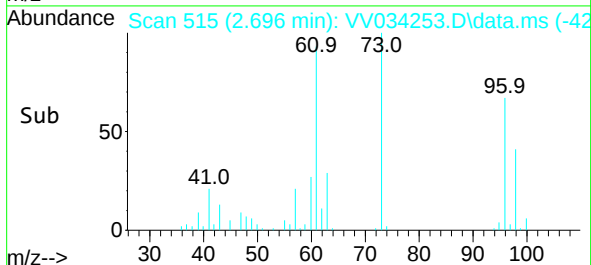
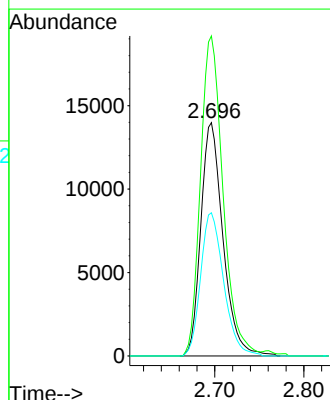
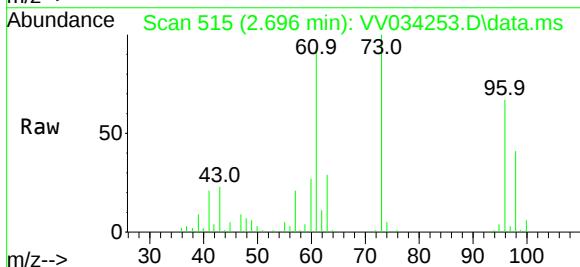
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

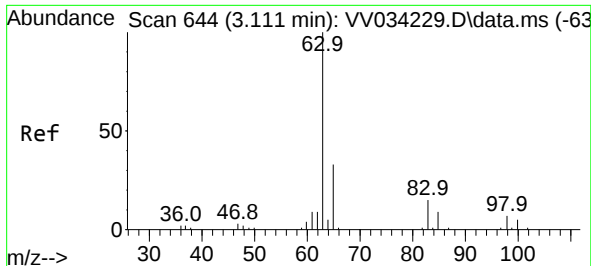
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 54147 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 23.2     | 17.7 26.5   |
| 57 20.2     | 17.9 26.9   |



#18  
trans-1,2-Dichloroethene  
Concen: 4.957 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 24170 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 137.2    | 97.6 181.4  |
| 98 61.4     | 44.4 82.5   |





#19

1,1-Dichloroethane

Concen: 5.086 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034253.D

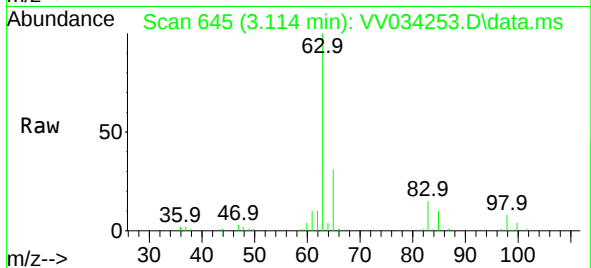
Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

DCNB1MS



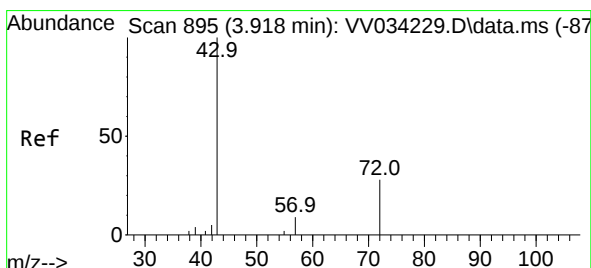
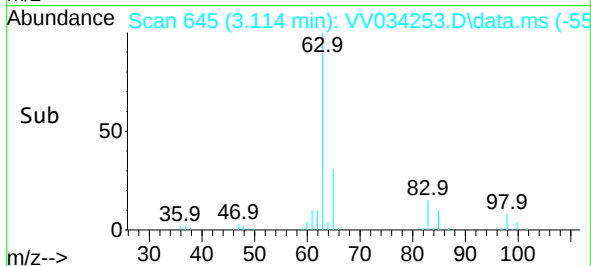
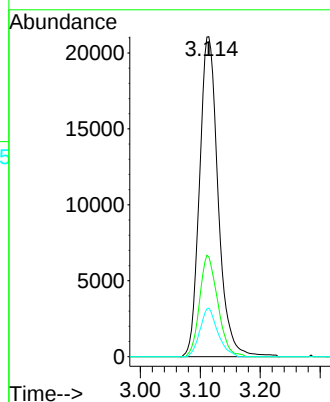
Tgt Ion: 63 Resp: 45569

Ion Ratio Lower Upper

63 100

65 31.3 20.8 38.6

83 15.2 9.4 17.4



#21

2-Butanone

Concen: 47.398 ug/L

RT: 3.876 min Scan# 882

Delta R.T. -0.042 min

Lab File: VV034253.D

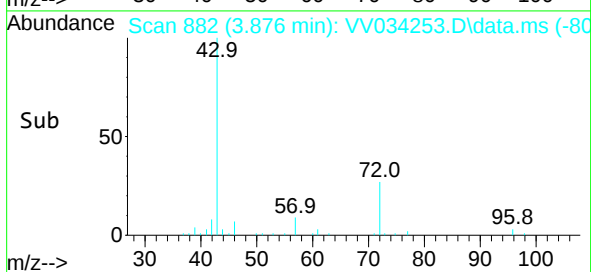
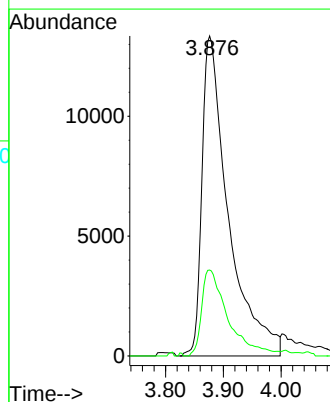
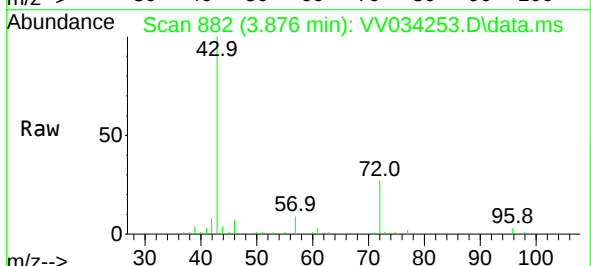
Acq: 19 Feb 2024 19:10

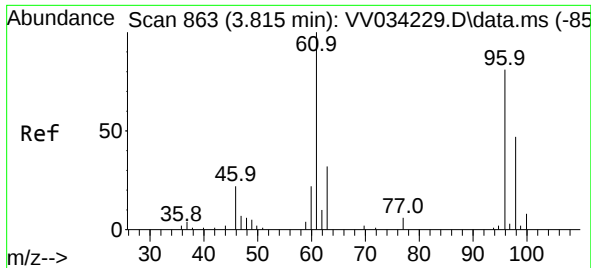
Tgt Ion: 43 Resp: 42359

Ion Ratio Lower Upper

43 100

72 26.8 4.0 11.9#

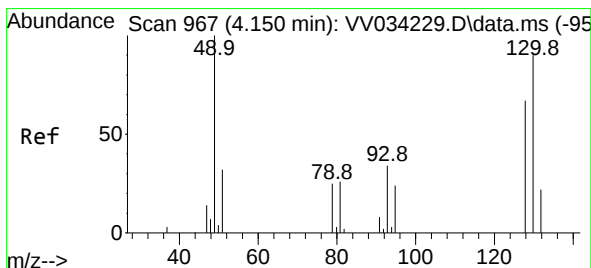
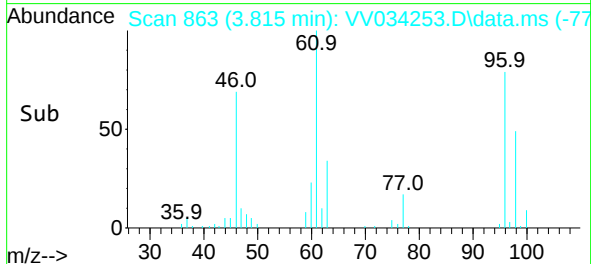
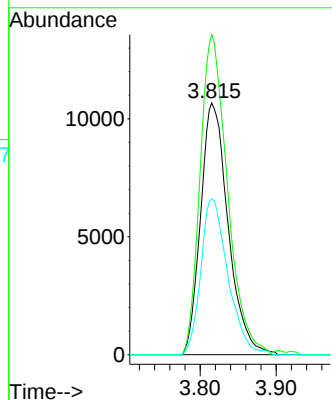
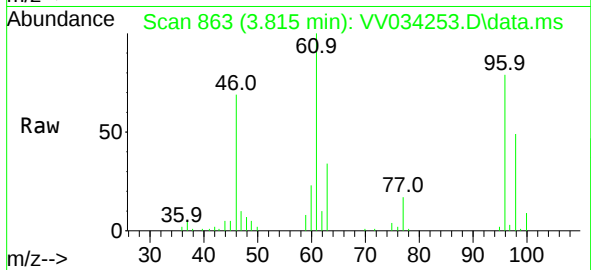




#22  
cis-1,2-Dichloroethene  
Concen: 4.852 ug/L  
RT: 3.815 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

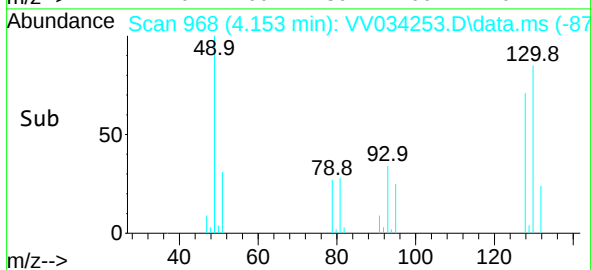
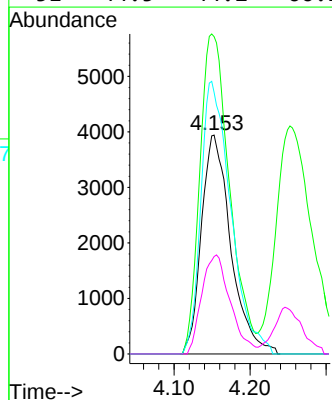
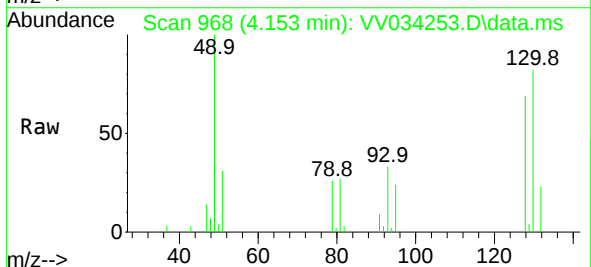
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

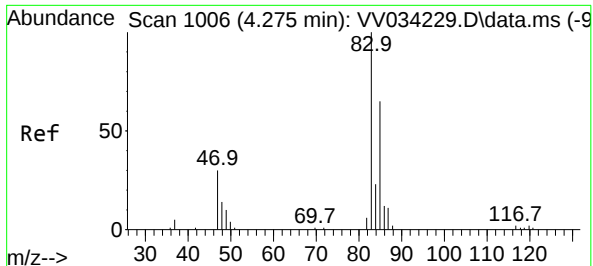
Tgt Ion: 96 Resp: 26845  
Ion Ratio Lower Upper  
96 100  
61 127.1 90.3 167.7  
98 62.0 43.2 80.2



#23  
Bromochloromethane  
Concen: 5.494 ug/L  
RT: 4.153 min Scan# 968  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 128 Resp: 10566  
Ion Ratio Lower Upper  
128 100  
49 144.9 120.5 223.7  
130 119.5 93.4 173.4  
51 44.5 44.2 66.2





#25

Chloroform

Concen: 5.218 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

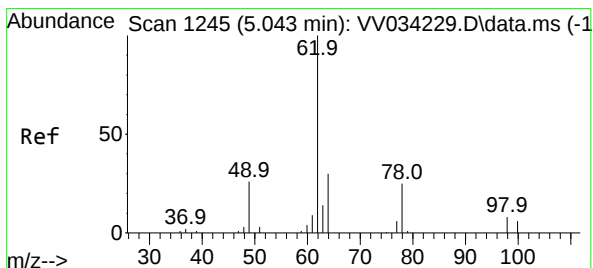
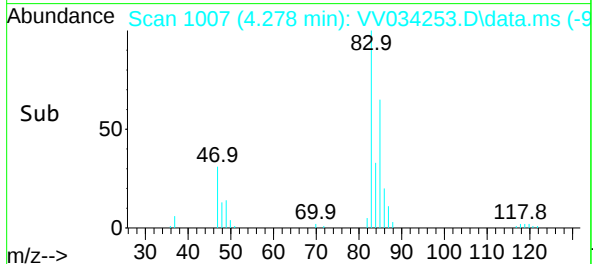
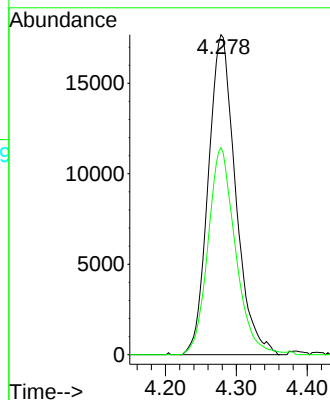
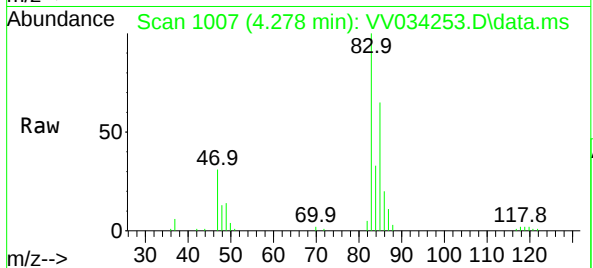
DCNB1MS

Tgt Ion: 83 Resp: 47260

Ion Ratio Lower Upper

83 100

85 64.7 47.5 88.1



#27

1,2-Dichloroethane

Concen: 5.576 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VV034253.D

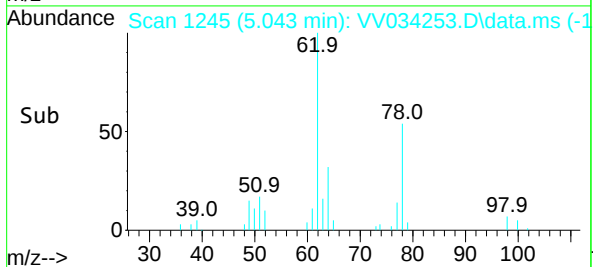
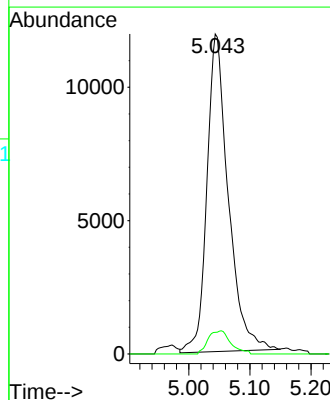
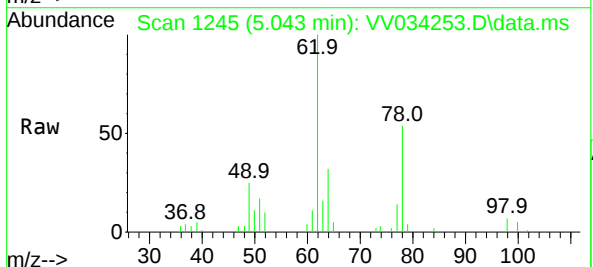
Acq: 19 Feb 2024 19:10

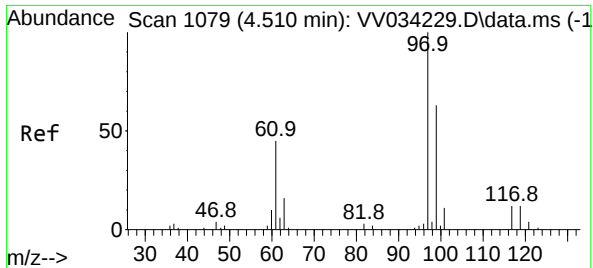
Tgt Ion: 62 Resp: 28918

Ion Ratio Lower Upper

62 100

98 6.7 6.9 10.3#

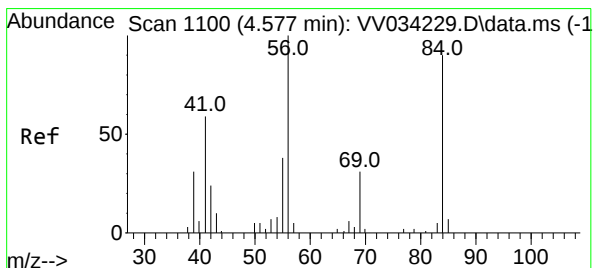
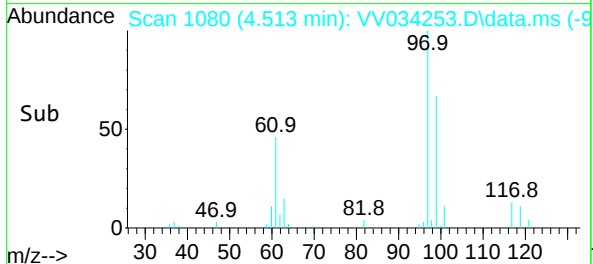
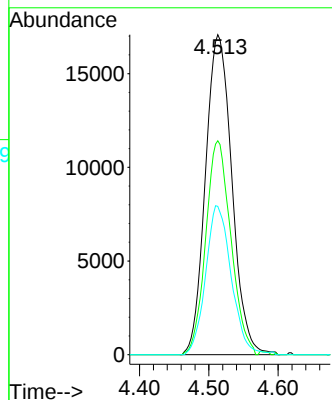
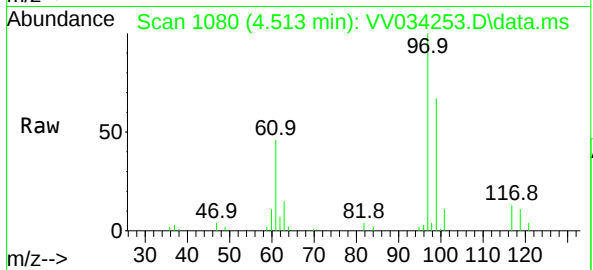




#29  
1,1,1-Trichloroethane  
Concen: 5.342 ug/L  
RT: 4.513 min Scan# 1100  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

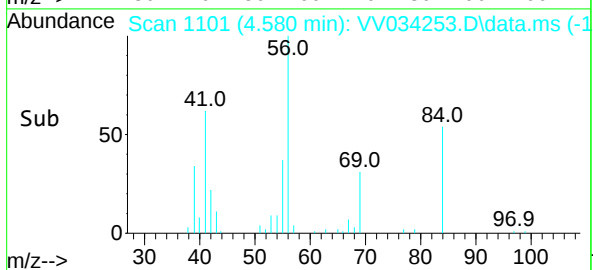
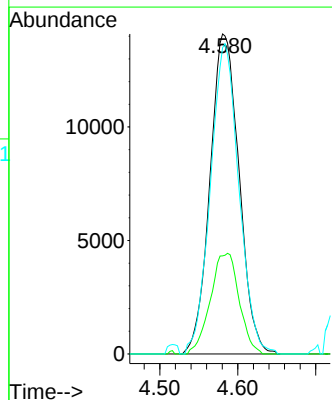
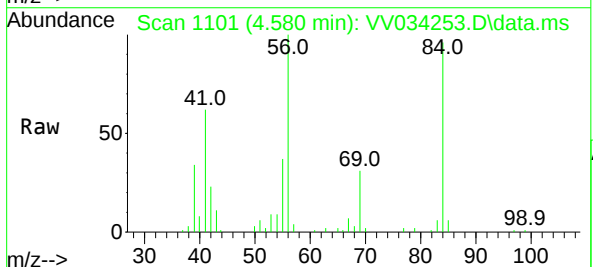
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

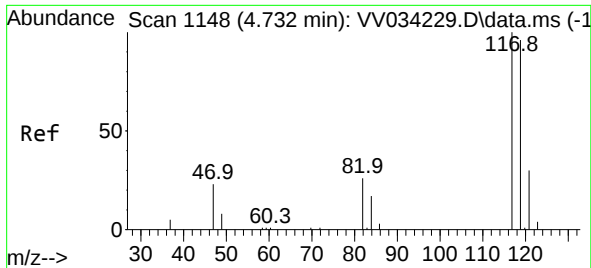
Tgt Ion: 97 Resp: 45350  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.6 75.8  
61 44.9 36.8 55.2



#30  
Cyclohexane  
Concen: 4.419 ug/L  
RT: 4.580 min Scan# 1101  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 56 Resp: 36489  
Ion Ratio Lower Upper  
56 100  
69 31.1 24.2 36.2  
84 95.1 70.0 105.0

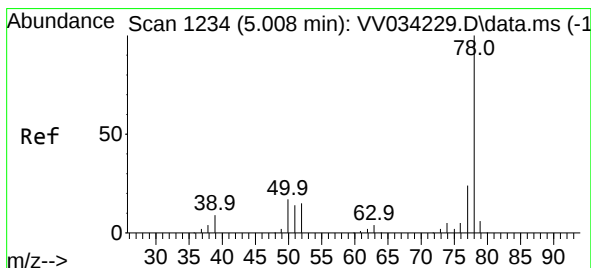
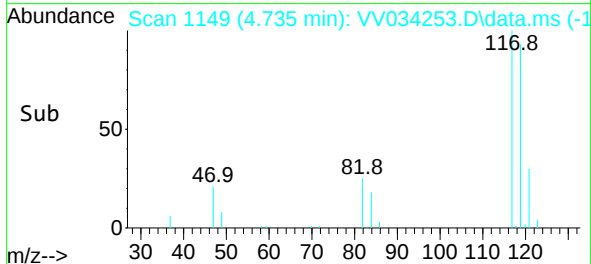
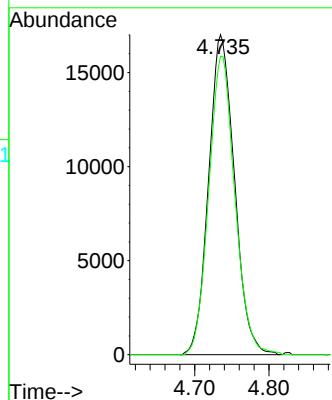
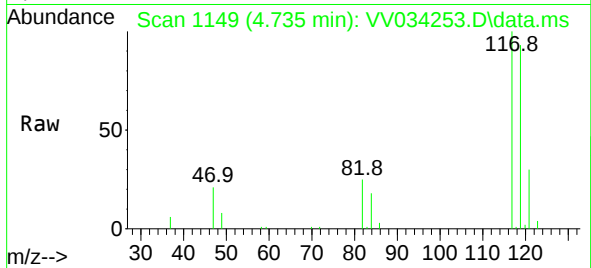




#31  
Carbon tetrachloride  
Concen: 5.533 ug/L  
RT: 4.735 min Scan# 1149  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

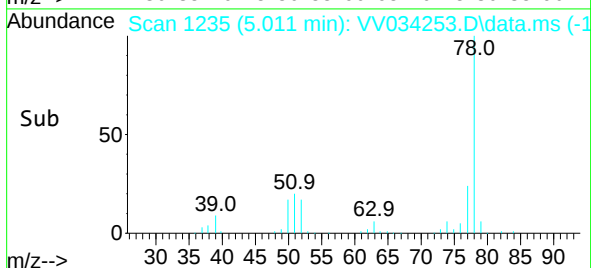
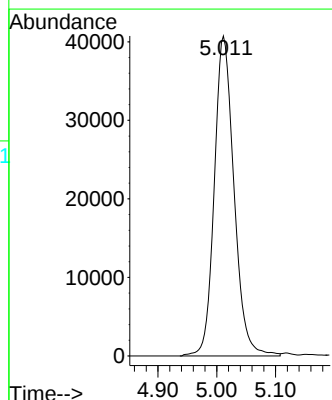
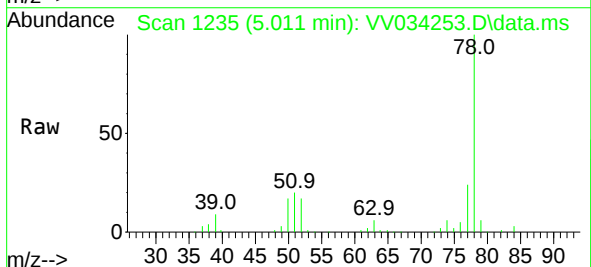
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

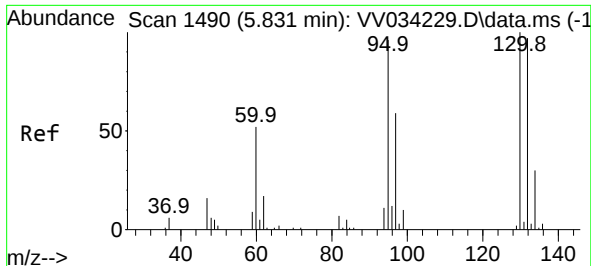
Tgt Ion:117 Resp: 41101  
Ion Ratio Lower Upper  
117 100  
119 94.3 76.1 114.1



#33  
Benzene  
Concen: 5.007 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 78 Resp: 94973



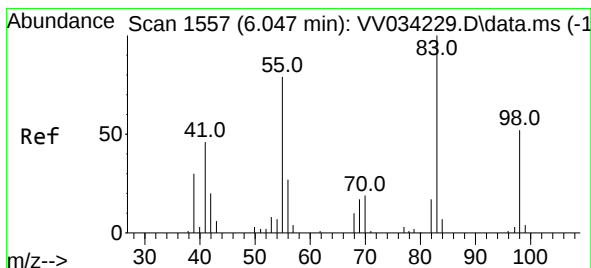
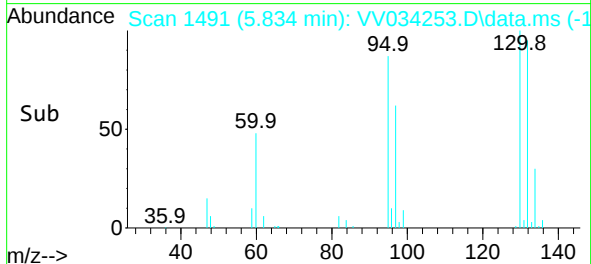
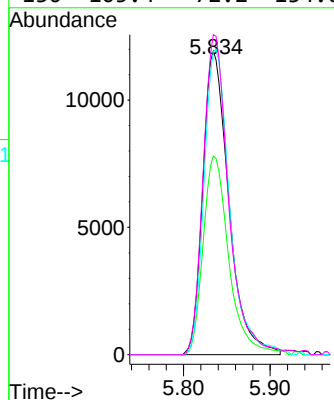
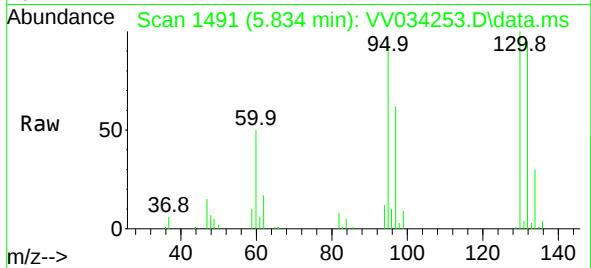


#34  
Trichloroethene  
Concen: 4.534 ug/L  
RT: 5.834 min Scan# 1491  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

Tgt Ion: 95 Resp: 24888

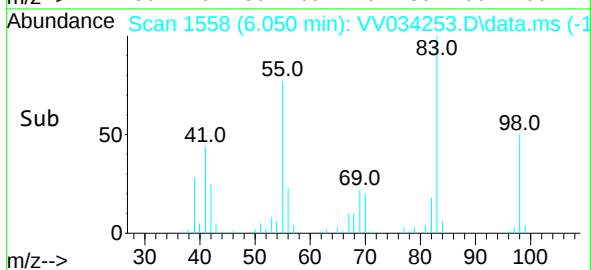
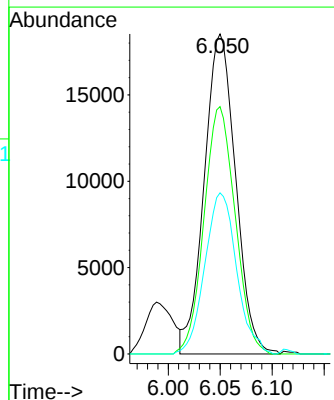
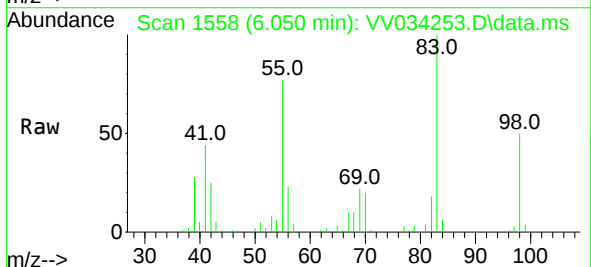
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.5  | 45.1  | 83.7  |
| 132 | 99.8  | 66.0  | 122.6 |
| 130 | 105.4 | 72.2  | 134.0 |

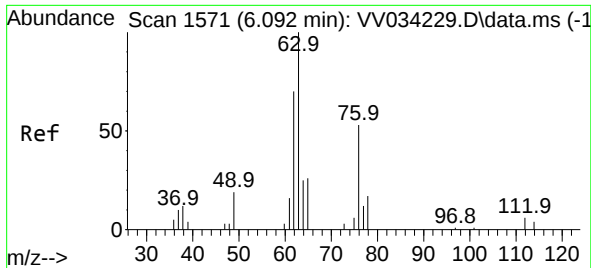


#35  
Methylcyclohexane  
Concen: 4.509 ug/L  
RT: 6.050 min Scan# 1558  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 83 Resp: 38851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 76.8  | 63.5  | 95.3  |
| 98  | 51.1  | 39.0  | 58.4  |





#37

1,2-Dichloropropane

Concen: 4.735 ug/L

RT: 6.095 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

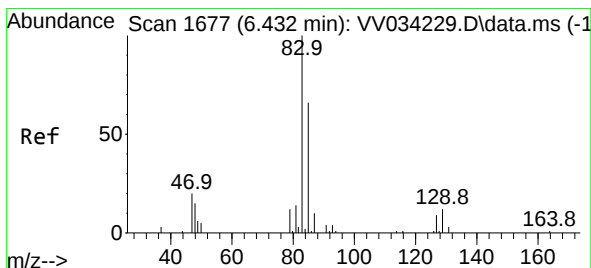
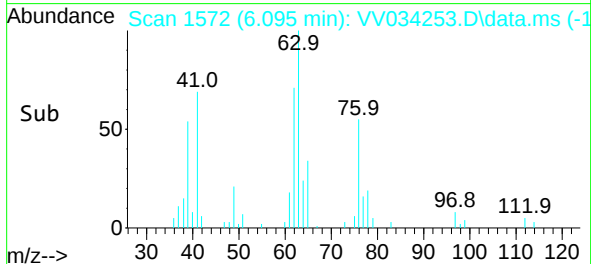
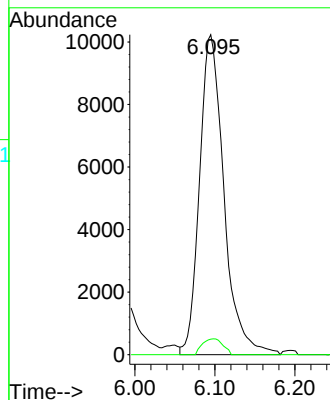
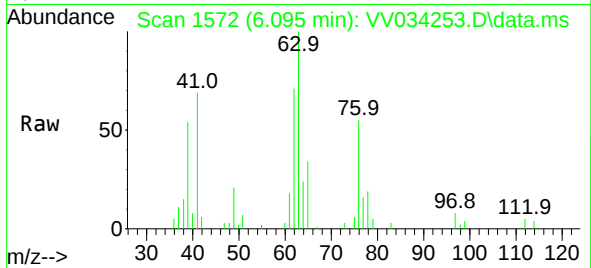
DCNB1MS

Tgt Ion: 63 Resp: 21753

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.182 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

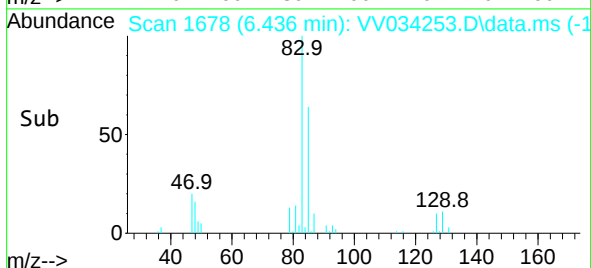
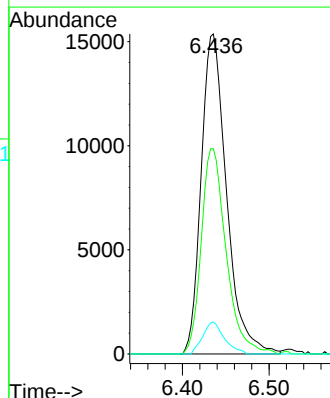
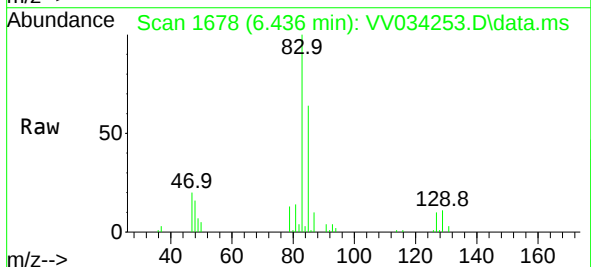
Tgt Ion: 83 Resp: 31250

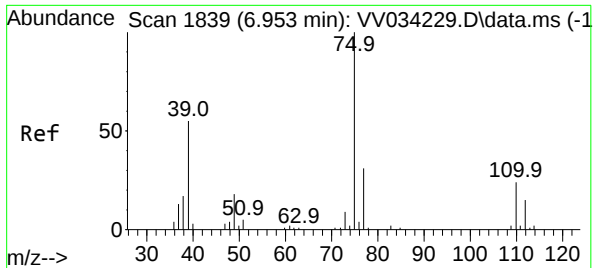
Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2

127 10.0 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 4.269 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

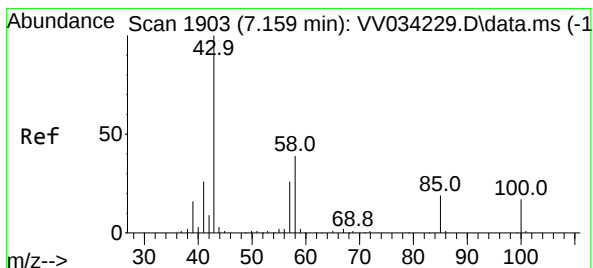
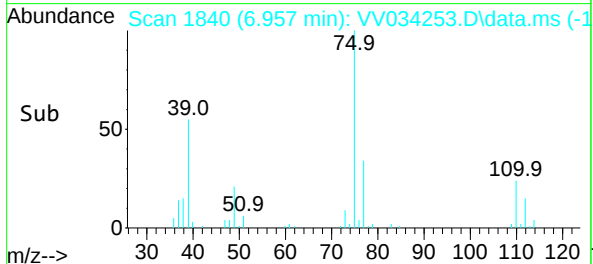
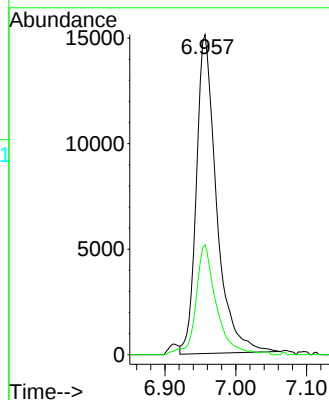
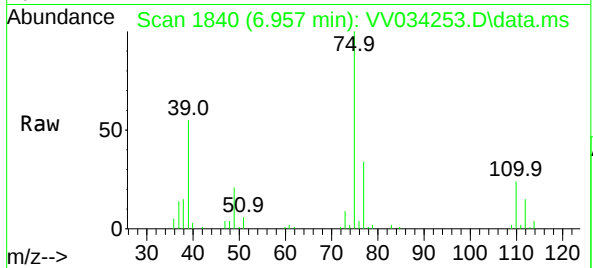
DCNB1MS

Tgt Ion: 75 Resp: 29846

Ion Ratio Lower Upper

75 100

77 34.4 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 50.746 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

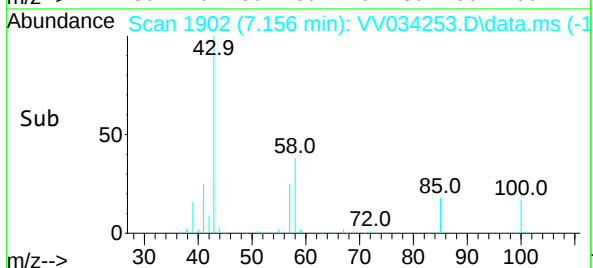
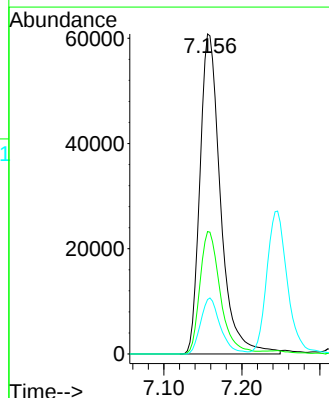
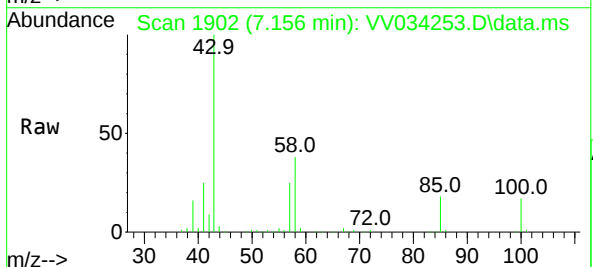
Tgt Ion: 43 Resp: 111645

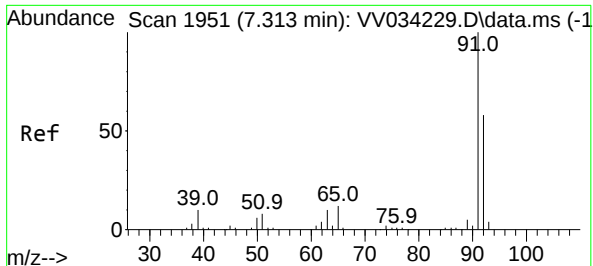
Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2

100 16.7 12.1 18.1





#42

Toluene

Concen: 5.123 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

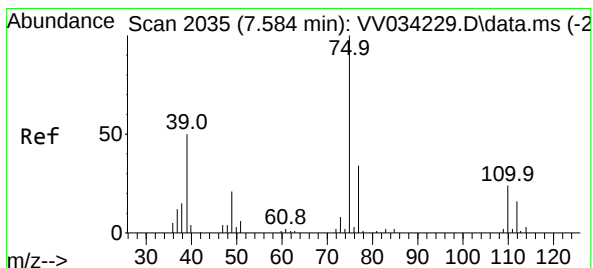
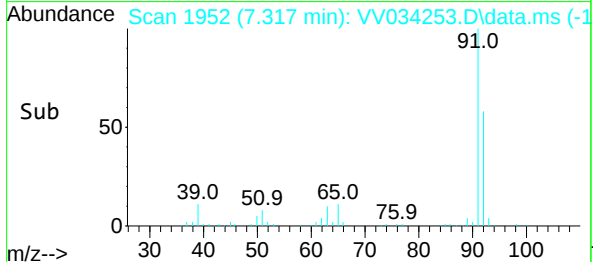
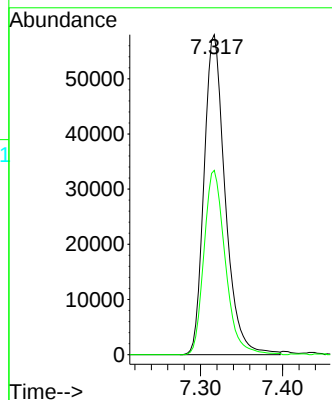
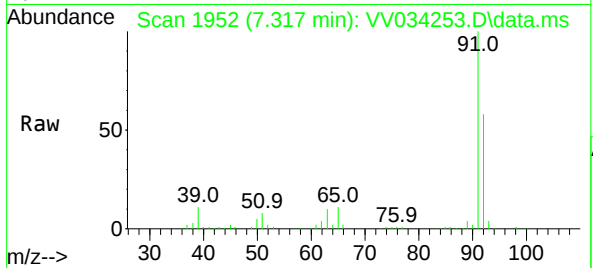
DCNB1MS

Tgt Ion: 91 Resp: 103857

Ion Ratio Lower Upper

91 100

92 57.6 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 4.583 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV034253.D

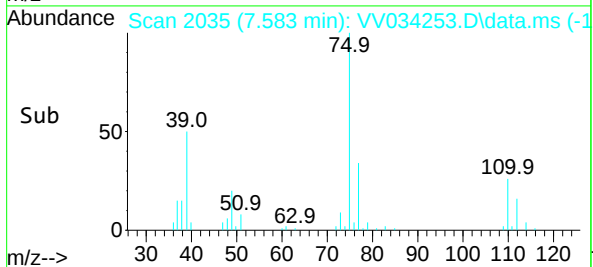
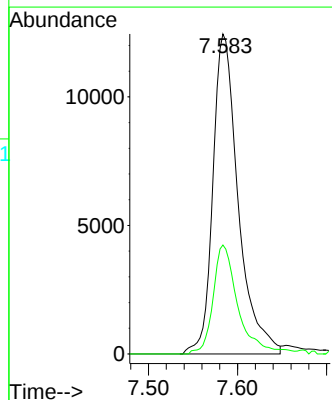
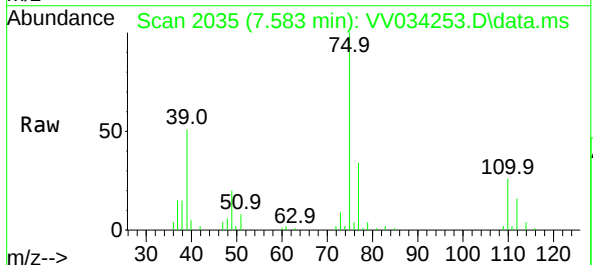
Acq: 19 Feb 2024 19:10

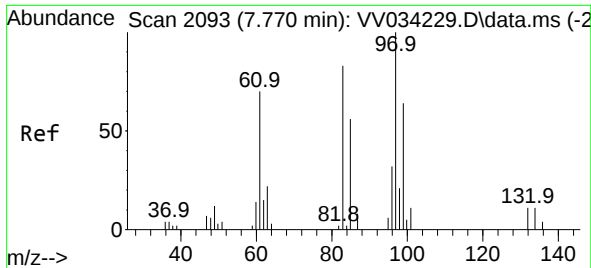
Tgt Ion: 75 Resp: 24600

Ion Ratio Lower Upper

75 100

77 34.1 22.2 41.2



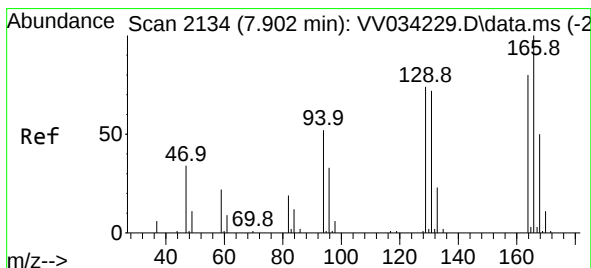
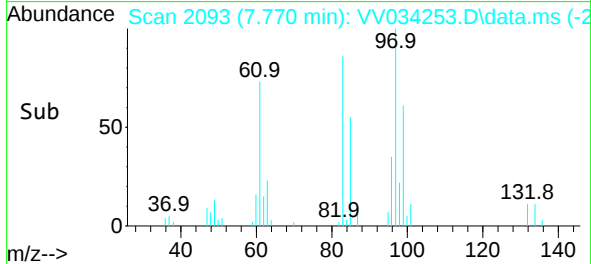
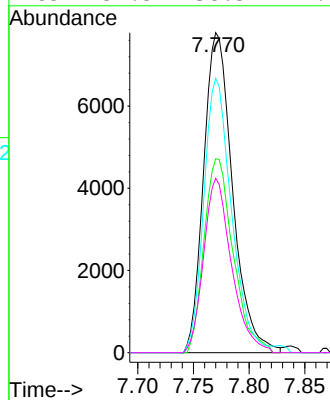
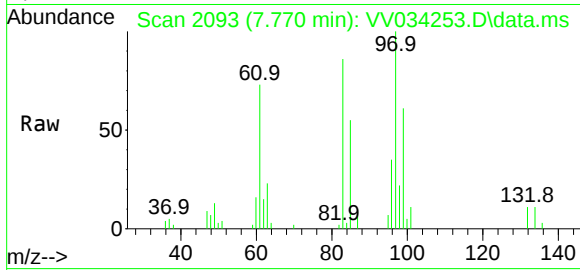


#45  
1,1,2-Trichloroethane  
Concen: 4.970 ug/L  
RT: 7.770 min Scan# 2093  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

Tgt Ion: 97 Resp: 14100

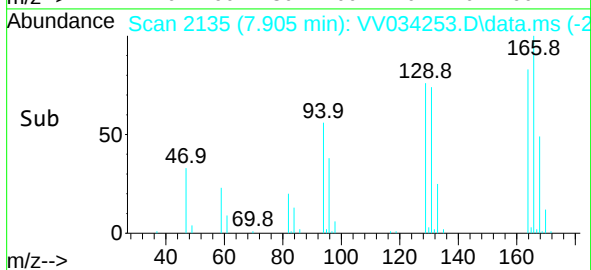
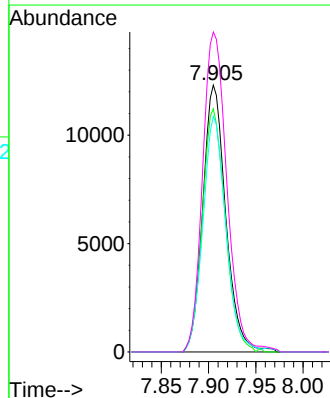
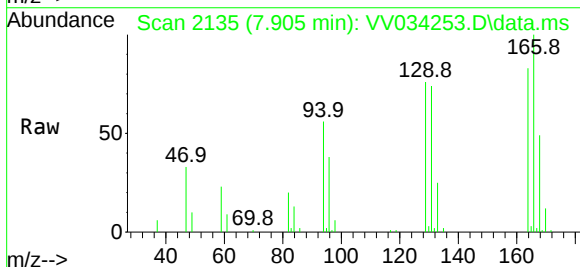
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.6  | 45.6  | 84.6  |
| 83  | 85.7  | 62.3  | 115.7 |
| 85  | 54.5  | 38.5  | 71.5  |

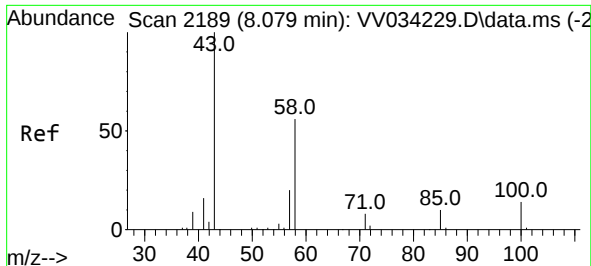


#47  
Tetrachloroethene  
Concen: 4.669 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 164 Resp: 20827

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.1  | 67.8  | 125.8 |
| 131 | 88.2  | 63.0  | 117.0 |
| 166 | 119.9 | 92.6  | 172.0 |

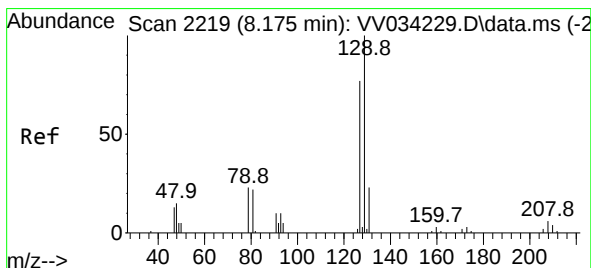
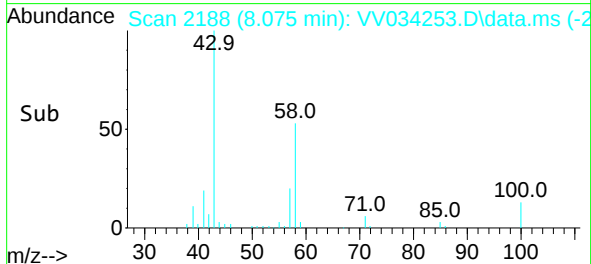
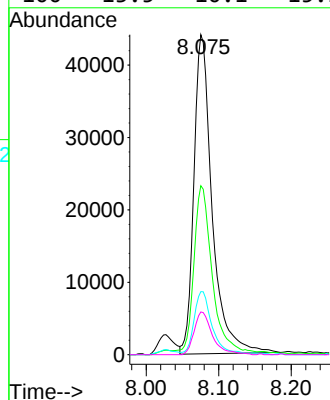
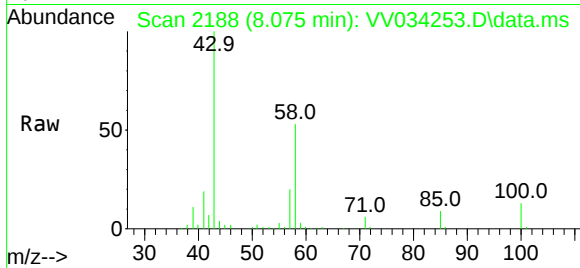




#48  
2-Hexanone  
Concen: 49.817 ug/L  
RT: 8.075 min Scan# 2189  
Delta R.T. -0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

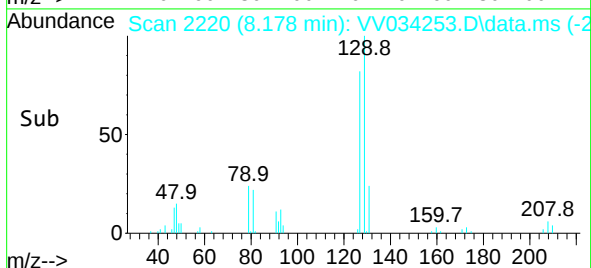
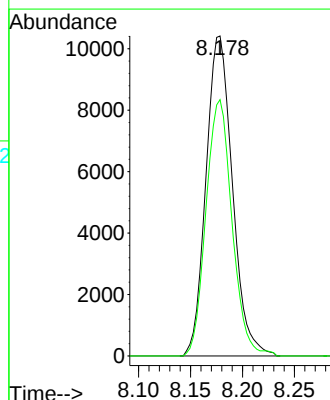
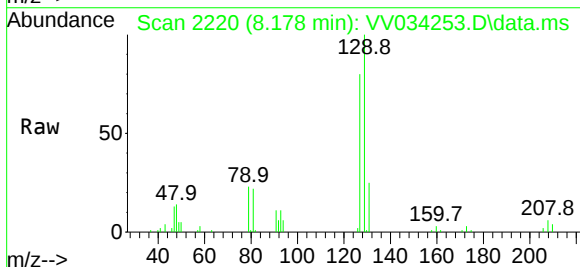
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

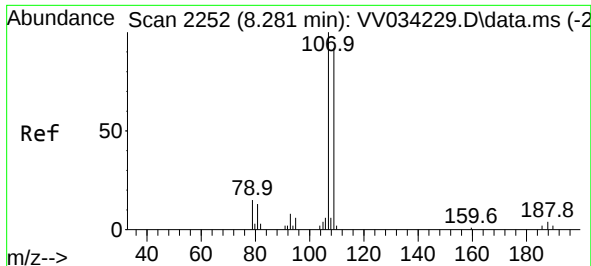
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 77256 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 51.8     | 42.6 64.0   |
| 57 19.6     | 15.5 23.3   |
| 100 13.5    | 10.1 15.1   |



#49  
Dibromochloromethane  
Concen: 5.463 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 18418 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 80.1  | 53.5  | 99.5  |

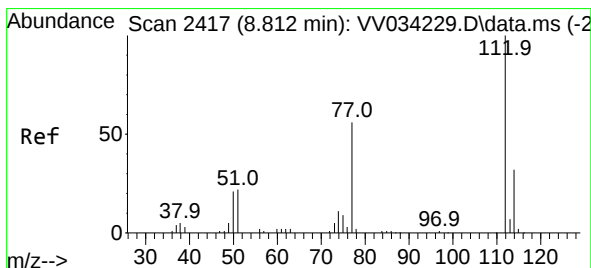
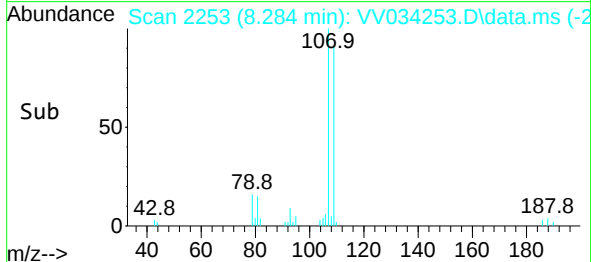
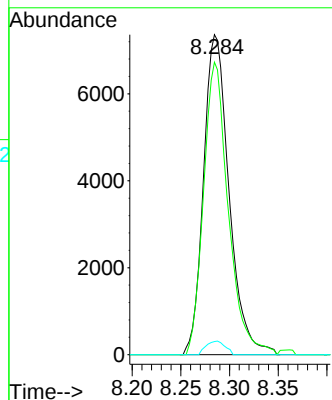
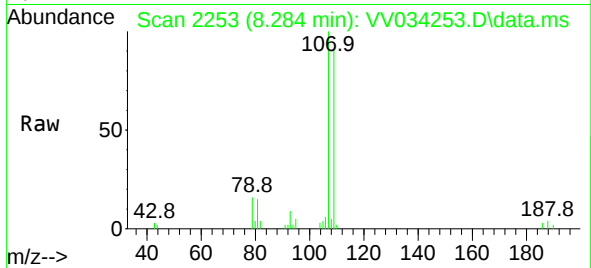




#50  
1,2-Dibromoethane  
Concen: 5.275 ug/L  
RT: 8.284 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

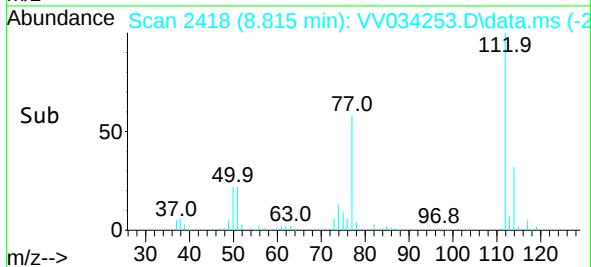
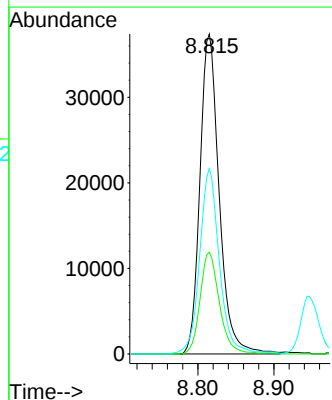
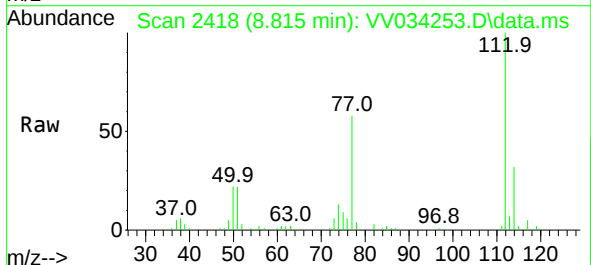
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

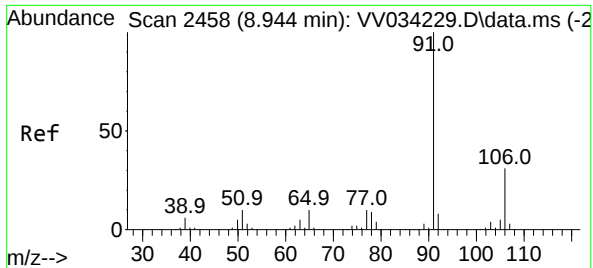
Tgt Ion:107 Resp: 13431  
Ion Ratio Lower Upper  
107 100  
109 91.4 64.5 119.9  
188 4.1 2.6 4.0#



#51  
Chlorobenzene  
Concen: 5.131 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion:112 Resp: 65758  
Ion Ratio Lower Upper  
112 100  
114 31.8 22.5 41.7  
77 57.9 48.1 72.1

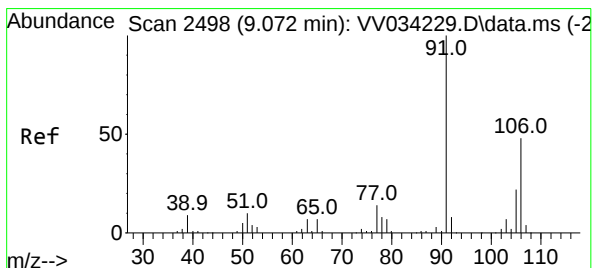
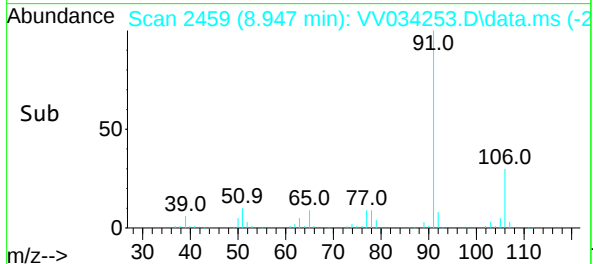
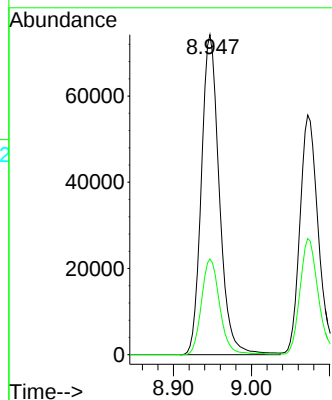
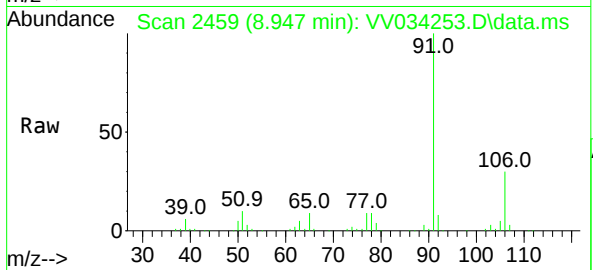




#52  
Ethylbenzene  
Concen: 5.095 ug/L  
RT: 8.947 min Scan# 2458  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

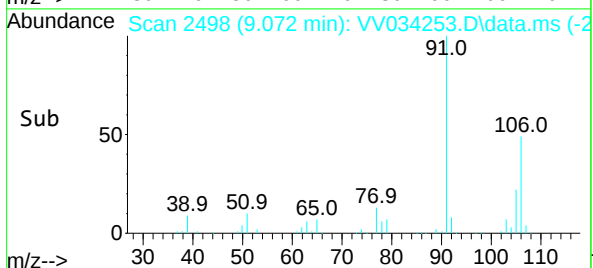
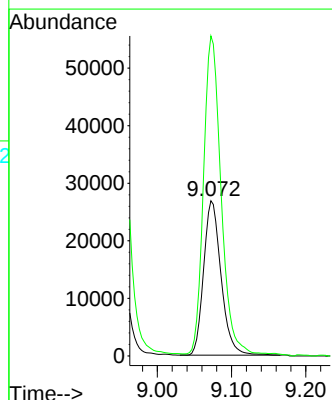
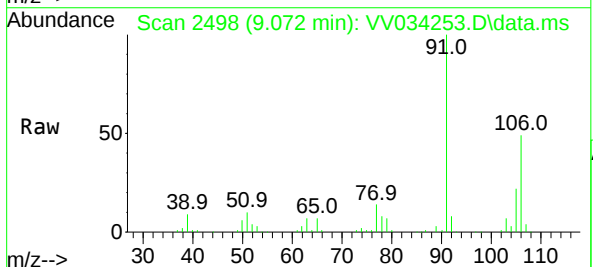
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

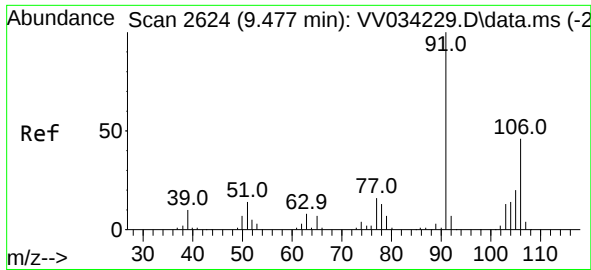
Tgt Ion: 91 Resp: 118883  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.4 39.8



#53  
m,p-Xylene  
Concen: 4.952 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 106 Resp: 43667  
Ion Ratio Lower Upper  
106 100  
91 206.1 147.5 273.9

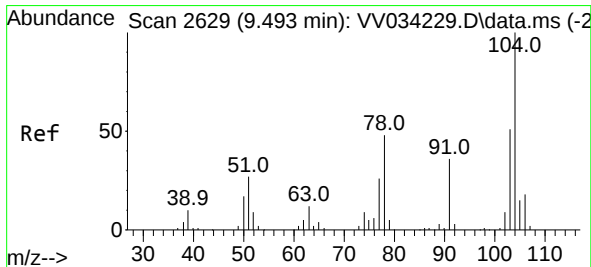
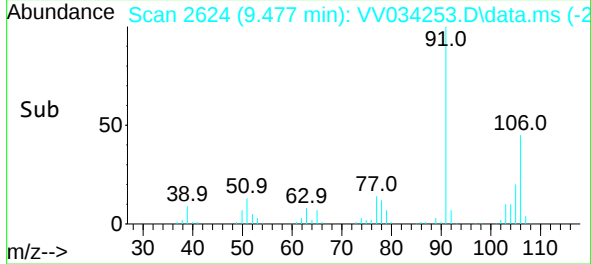
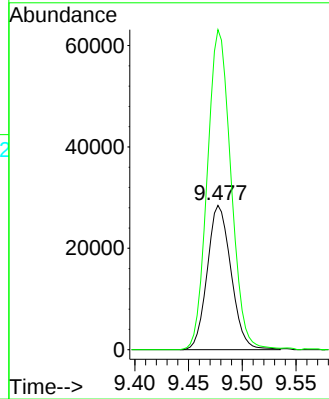
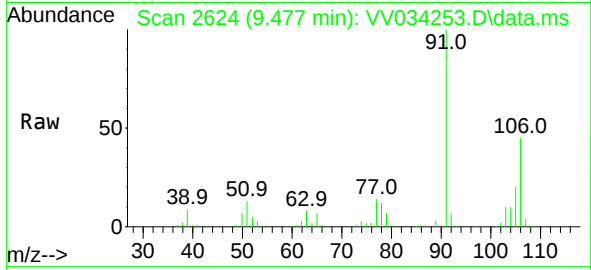




#54  
o-Xylene  
Concen: 5.151 ug/L  
RT: 9.477 min Scan# 2630  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

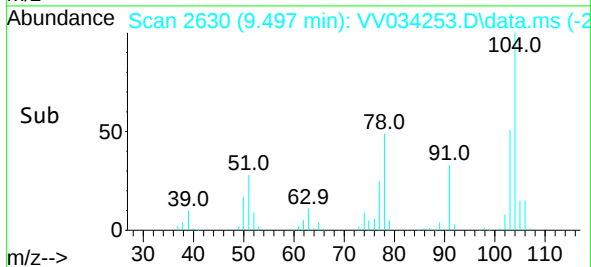
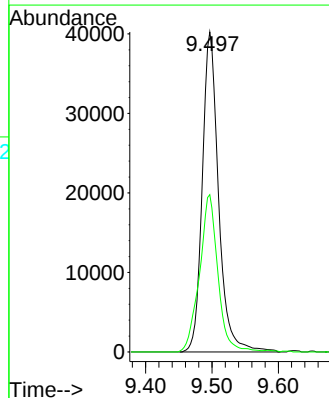
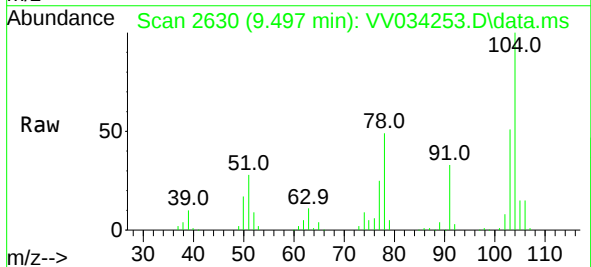
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

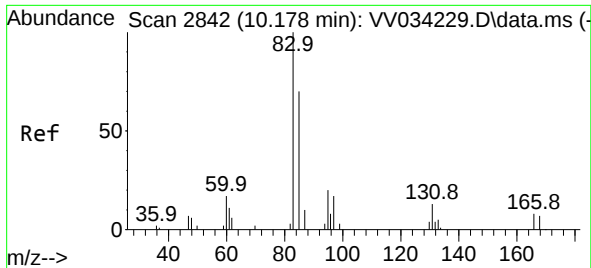
Tgt Ion:106 Resp: 43794  
Ion Ratio Lower Upper  
106 100  
91 221.7 156.2 290.0



#55  
Styrene  
Concen: 5.055 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion:104 Resp: 68825  
Ion Ratio Lower Upper  
104 100  
78 49.1 32.9 61.1

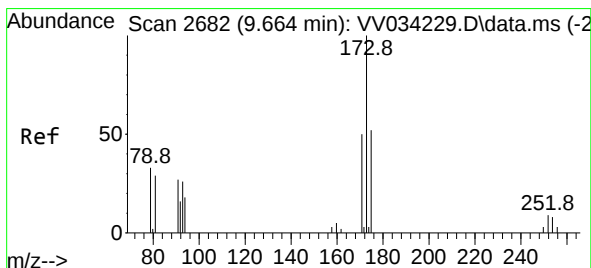
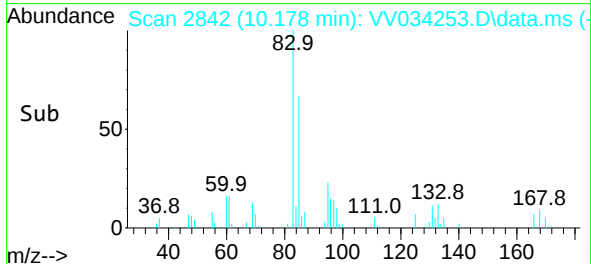
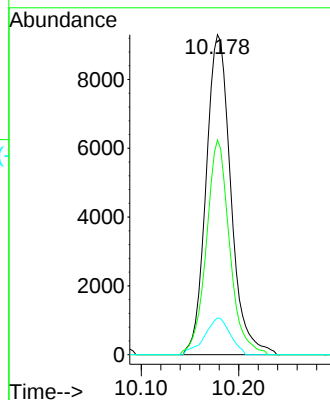
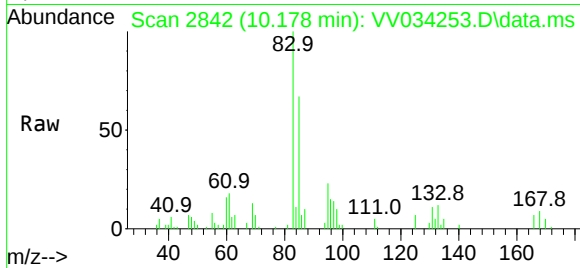




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.470 ug/L  
RT: 10.178 min Scan# 2842  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

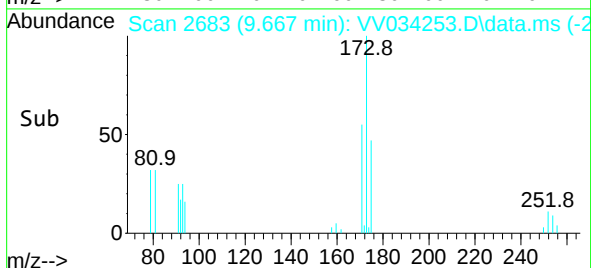
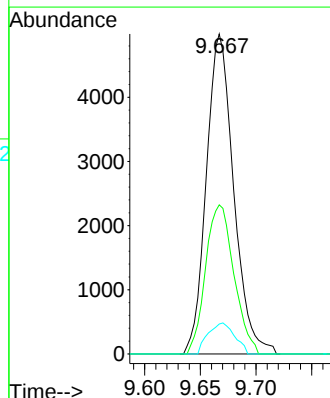
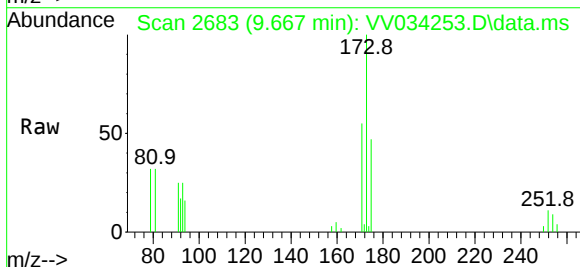
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

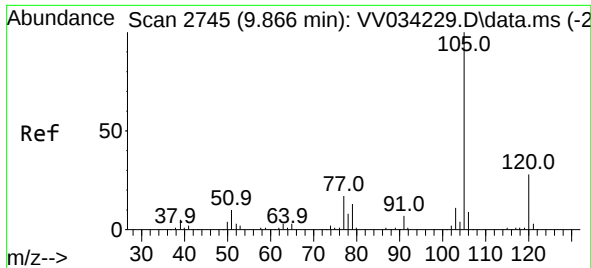
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 16377 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.1  | 46.5  | 86.3  |
| 131      | 11.5  | 8.4   | 12.6  |



#59  
Bromoform  
Concen: 4.614 ug/L  
RT: 9.667 min Scan# 2683  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 8514  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.2  | 38.6  | 57.8  |
| 254      | 9.4   | 7.2   | 10.8  |

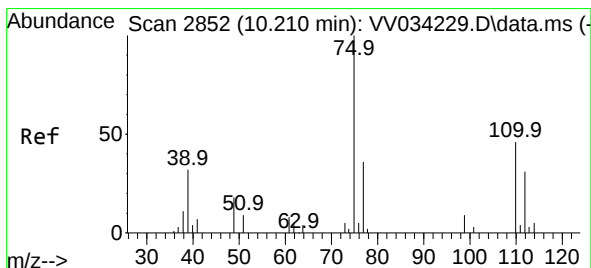
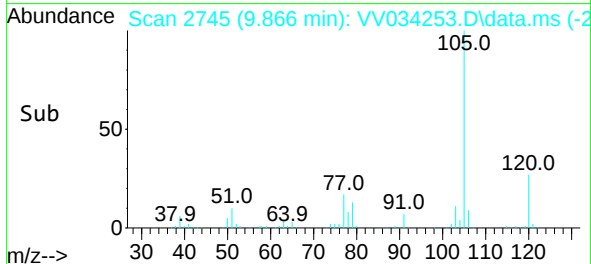
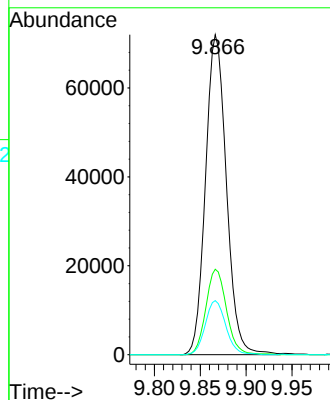
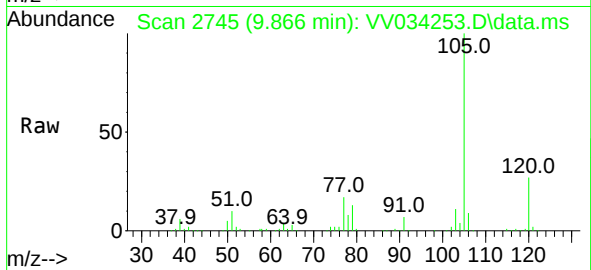




#60  
Isopropylbenzene  
Concen: 4.594 ug/L  
RT: 9.866 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

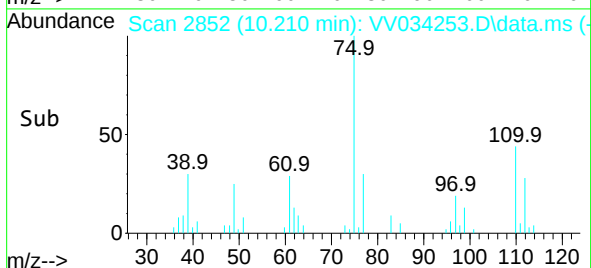
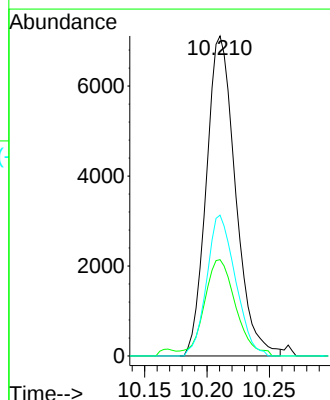
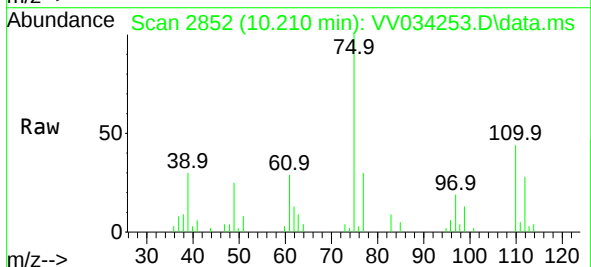
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

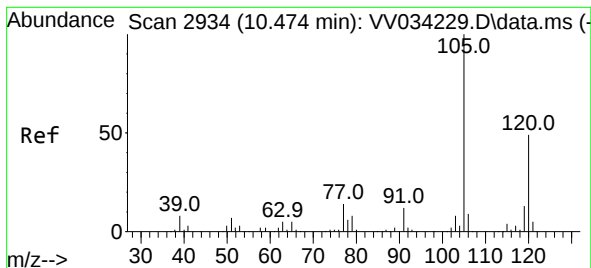
Tgt Ion:105 Resp: 113849  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.7 31.1  
77 16.7 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 5.039 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion: 75 Resp: 11603  
Ion Ratio Lower Upper  
75 100  
77 32.4 26.9 40.3  
110 43.3 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 4.829 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

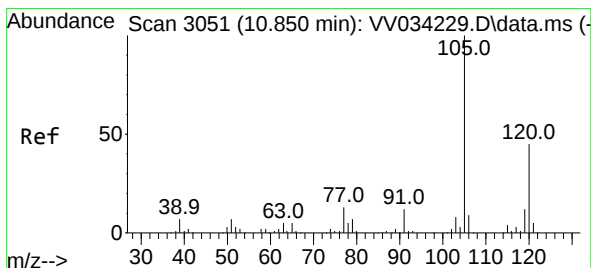
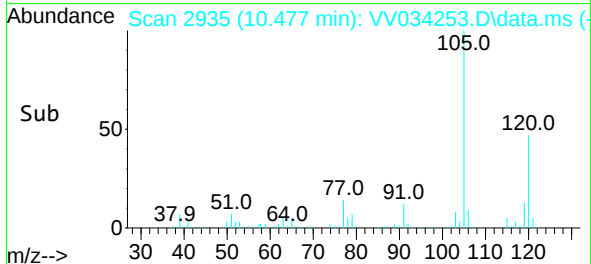
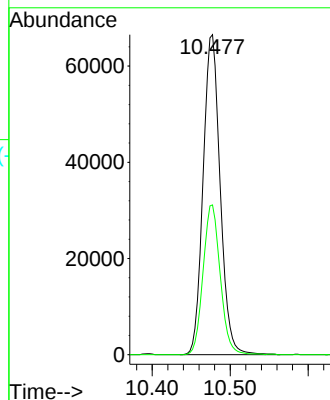
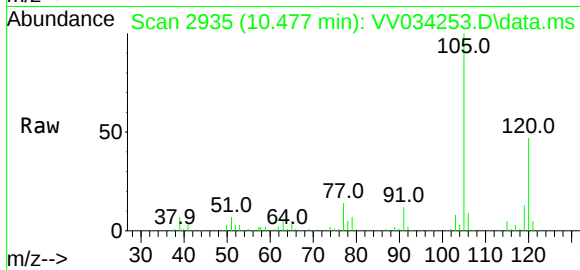
DCNB1MS

Tgt Ion:105 Resp: 101192

Ion Ratio Lower Upper

105 100

120 47.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.976 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034253.D

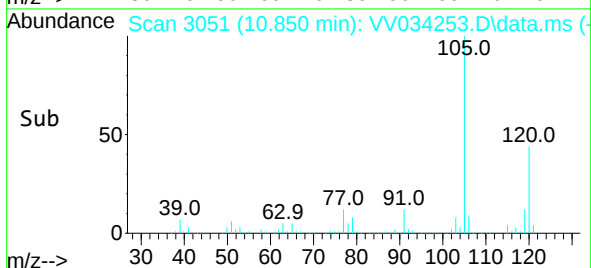
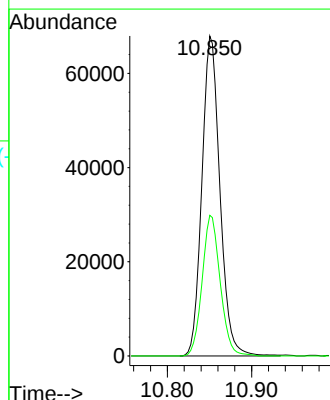
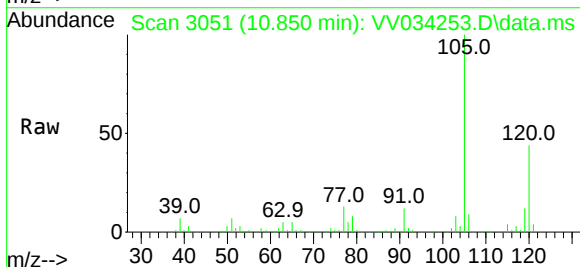
Acq: 19 Feb 2024 19:10

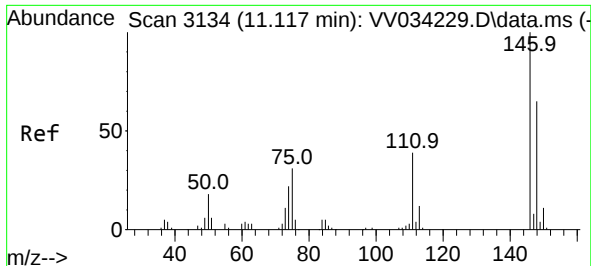
Tgt Ion:105 Resp: 101316

Ion Ratio Lower Upper

105 100

120 44.0 36.2 54.2

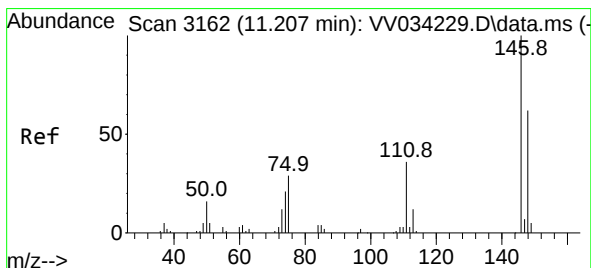
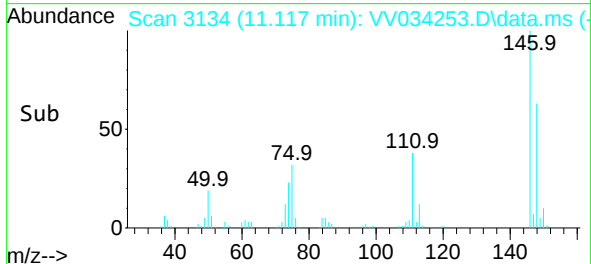
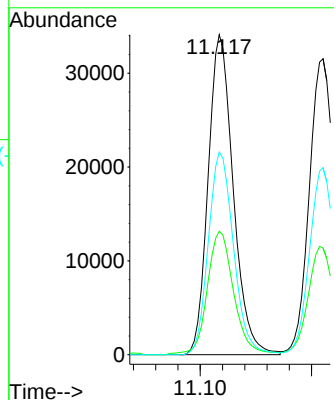
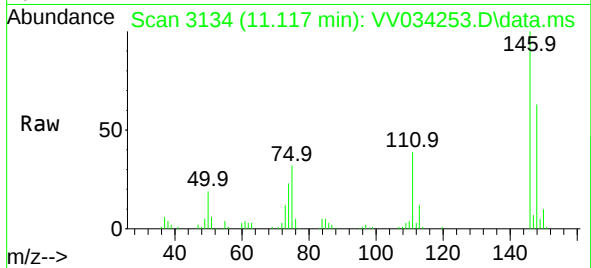




#64  
1,3-Dichlorobenzene  
Concen: 4.935 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. -0.000 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

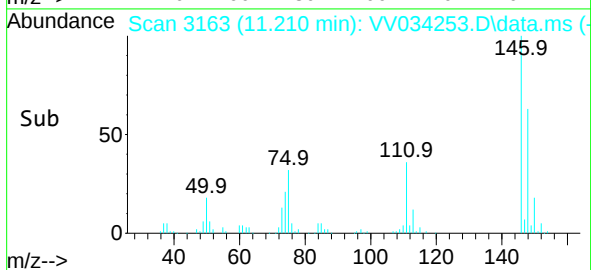
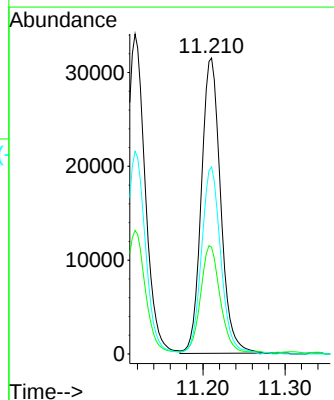
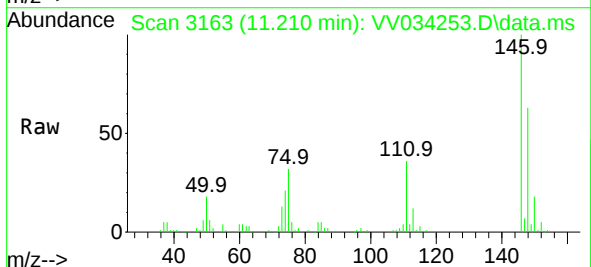
Instrument :  
MSVOA\_V  
ClientSampleId :  
DCNB1MS

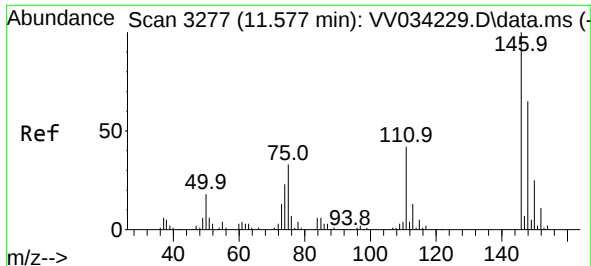
Tgt Ion:146 Resp: 53331  
Ion Ratio Lower Upper  
146 100  
111 38.6 28.5 52.9  
148 63.4 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 4.813 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV034253.D  
Acq: 19 Feb 2024 19:10

Tgt Ion:146 Resp: 51505  
Ion Ratio Lower Upper  
146 100  
111 36.0 27.6 51.4  
148 63.2 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.096 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

DCNB1MS

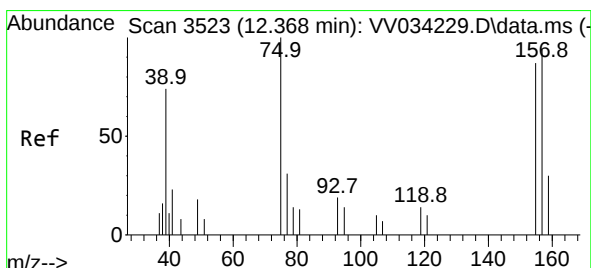
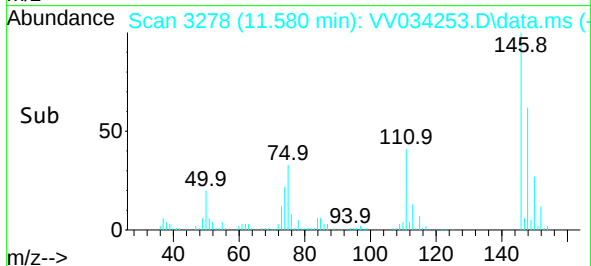
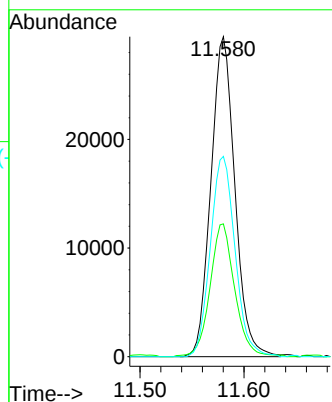
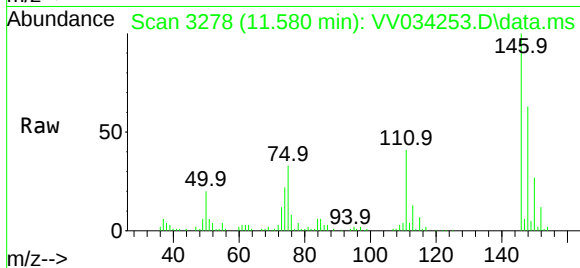
Tgt Ion:146 Resp: 47294

Ion Ratio Lower Upper

146 100

111 41.5 31.2 46.8

148 62.6 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.356 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

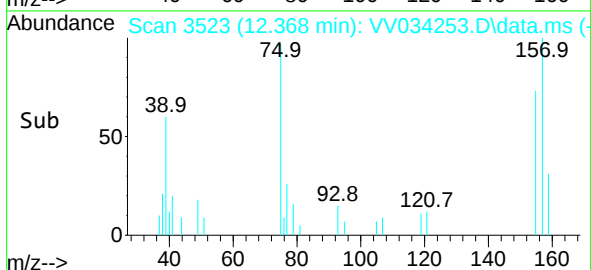
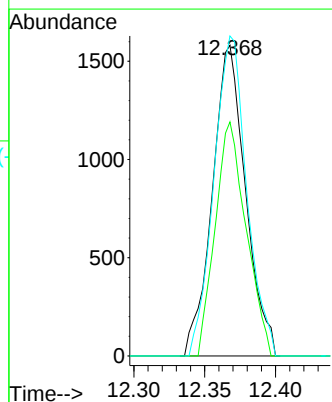
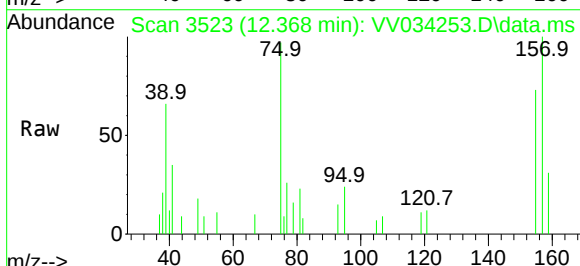
Tgt Ion: 75 Resp: 2585

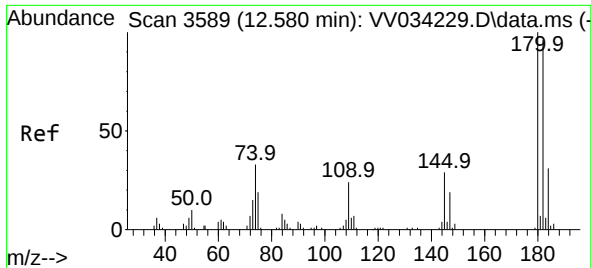
Ion Ratio Lower Upper

75 100

155 75.3 68.9 103.3

157 103.0 84.6 127.0

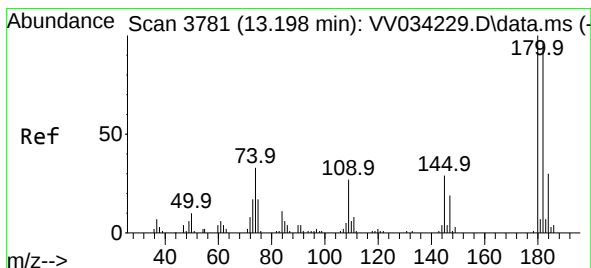
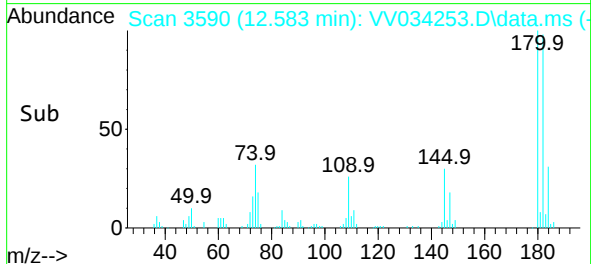
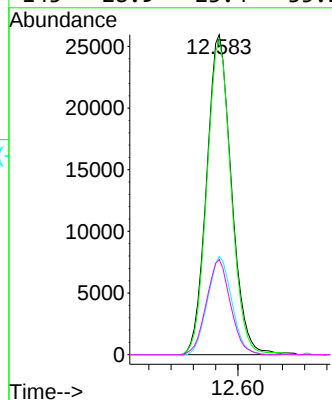
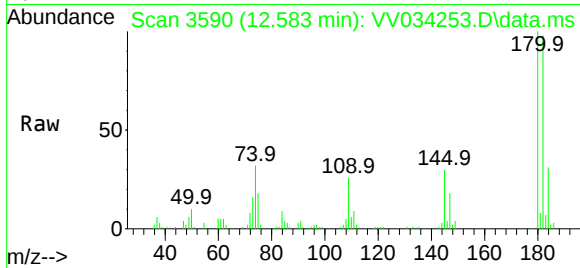




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.792 ug/L  
 RT: 12.583 min Scan# 3590  
 Delta R.T. 0.003 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

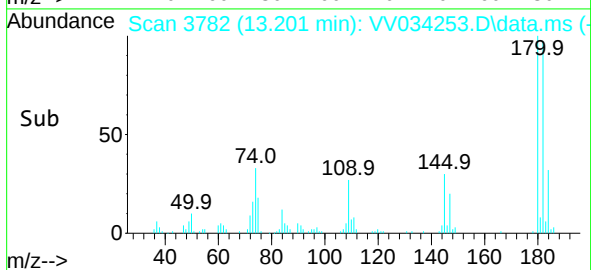
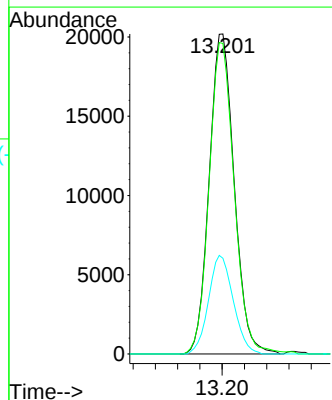
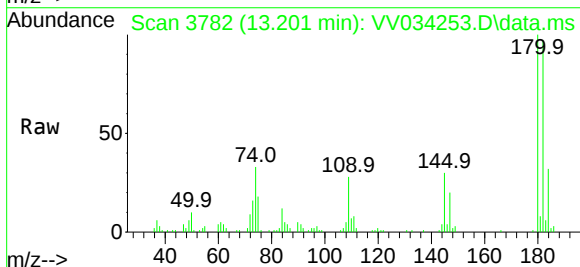
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCNB1MS

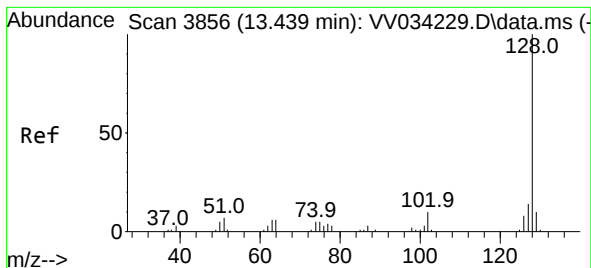
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 40078      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.9  | 77.0 115.4 |
| 184         | 29.9  | 23.8 35.6  |
| 145         | 28.9  | 23.4 35.2  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.818 ug/L  
 RT: 13.201 min Scan# 3782  
 Delta R.T. 0.003 min  
 Lab File: VV034253.D  
 Acq: 19 Feb 2024 19:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 31455      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.9  | 76.8 115.2 |
| 145         | 30.5  | 24.8 37.2  |





#71

Naphthalene

Concen: 4.902 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Instrument :

MSVOA\_V

ClientSampleId :

DCNB1MS

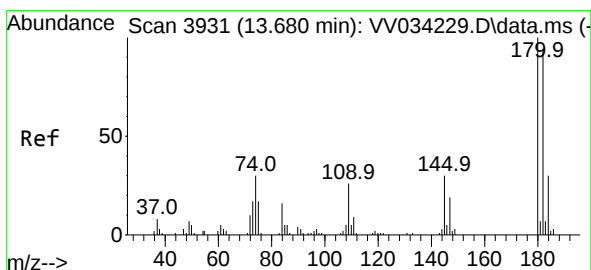
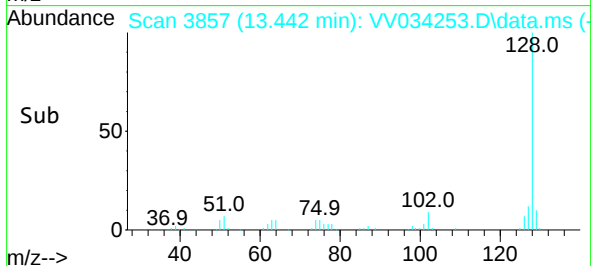
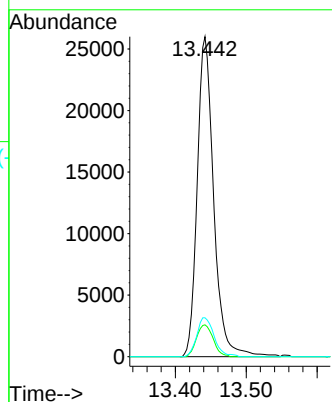
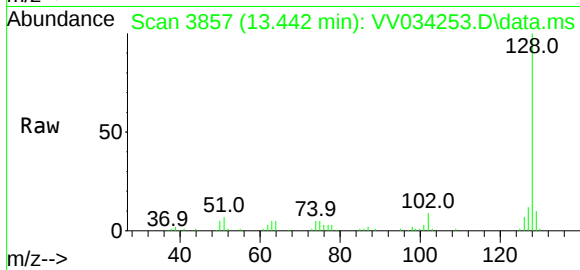
Tgt Ion:128 Resp: 41938

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.184 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034253.D

Acq: 19 Feb 2024 19:10

Tgt Ion:180 Resp: 27119

Ion Ratio Lower Upper

180 100

182 97.4 75.0 112.6

145 30.2 25.2 37.8

