

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040824\  
 Data File : VV035040.D  
 Acq On : 08 Apr 2024 08:48  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 08 12:08:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 06 02:25:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.529     | 114   | 403728   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.783     | 117   | 383192   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181    | 152   | 197251   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.278     | 65    | 199154   | 51.078   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 102.160% |          |
| 7) Chloroethane-d5            | 1.532     | 69    | 174330   | 51.477   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 102.960% |          |
| 11) 1,1-Dichloroethene-d2     | 2.056     | 65    | 87209    | 51.025   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 102.060% |          |
| 21) 2-Butanone-d5             | 3.789     | 46    | 221215   | 95.664   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 95.660%  |          |
| 24) Chloroform-d              | 4.243     | 84    | 330414   | 50.403   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 100.800% |          |
| 26) 1,2-Dichloroethane-d4     | 4.937     | 65    | 205874   | 49.465   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 98.920%  |          |
| 32) Benzene-d6                | 4.953     | 84    | 660045   | 51.279   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 102.560% |          |
| 36) 1,2-Dichloropropane-d6    | 5.982     | 67    | 210927   | 51.605   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 103.200% |          |
| 41) Toluene-d8                | 7.239     | 98    | 604108   | 52.114   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 104.220% |          |
| 43) trans-1,3-Dichloroprop... | 7.548     | 79    | 99224    | 49.935   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 99.880%  |          |
| 47) 2-Hexanone-d5             | 8.021     | 63    | 131706   | 85.227   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 85.230%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149    | 84    | 281055   | 49.933   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 99.860%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558    | 152   | 217134   | 49.029   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 98.060%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.108     | 85    | 154658   | 52.854   | ug/L       | 99       |
| 3) Chloromethane              | 1.217     | 50    | 184948   | 49.165   | ug/L       | 100      |
| 5) Vinyl chloride             | 1.285     | 62    | 198601   | 50.360   | ug/L       | 98       |
| 6) Bromomethane               | 1.490     | 94    | 123276   | 41.702   | ug/L       | 98       |
| 8) Chloroethane               | 1.548     | 64    | 145363   | 53.971   | ug/L       | 96       |
| 9) Trichlorofluoromethane     | 1.712     | 101   | 268366   | 51.848   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066     | 101   | 169494   | 53.501   | ug/L       | 97       |
| 12) 1,1-Dichloroethene        | 2.069     | 96    | 149782   | 49.433   | ug/L       | 94       |
| 13) Acetone                   | 2.124     | 43    | 307096   | 144.653  | ug/L       | 98       |
| 14) Carbon disulfide          | 2.240     | 76    | 403592   | 47.299   | ug/L       | 99       |
| 15) Methyl Acetate            | 2.371     | 43    | 193653   | 57.884   | ug/L       | 99       |
| 16) Methylene chloride        | 2.445     | 84    | 180928   | 55.109   | ug/L       | 96       |
| 17) trans-1,2-Dichloroethene  | 2.693     | 96    | 155919   | 53.225   | ug/L       | 96       |
| 18) Methyl tert-butyl Ether   | 2.699     | 73    | 571224   | 55.515   | ug/L       | 97       |
| 19) 1,1-Dichloroethane        | 3.108     | 63    | 341512   | 56.849   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809     | 96    | 180334   | 54.211   | ug/L       | 98       |
| 22) 2-Butanone                | 3.867     | 43    | 318146   | 129.144  | ug/L       | 96       |
| 23) Bromochloromethane        | 4.143     | 128   | 92973    | 55.862   | ug/L       | 97       |
| 25) Chloroform                | 4.268     | 83    | 336559   | 56.666   | ug/L       | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 08 12:08:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 06 02:25:24 2024  
 Response via : Initial Calibration

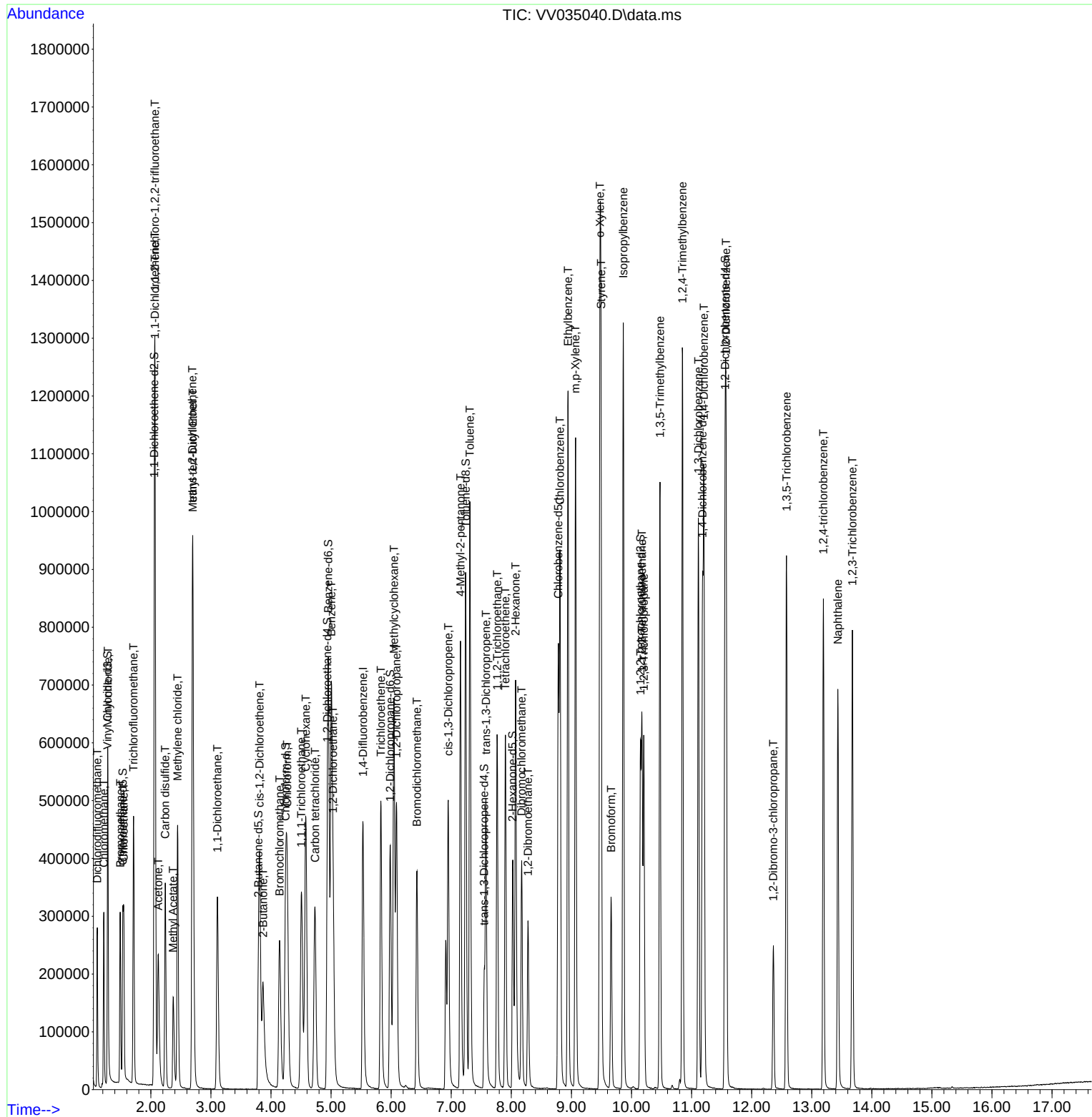
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 263851   | 55.796  | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 271692   | 56.609  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 282794   | 56.616  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.731  | 117  | 241372   | 57.013  | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 695461   | 55.658  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 180172   | 53.429  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.047  | 83   | 284041   | 55.773  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 202398   | 58.613  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 255759   | 57.405  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 314528   | 57.820  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 511125   | 115.932 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 740542   | 56.609  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 291396   | 58.307  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 186838   | 57.405  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 136390   | 57.892  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.072  | 43   | 446328   | 119.029 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 192338   | 59.666  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 194646   | 55.549  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.808  | 112  | 476110   | 56.154  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 823031   | 56.767  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 301957   | 56.554  | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 300878   | 56.954  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 516002   | 57.800  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 310774   | 58.932  | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 144505   | 63.928  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.863  | 105  | 822786   | 57.861  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 238718   | 55.849  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 540188   | 58.492  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 672530   | 58.899  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 380149   | 57.205  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 394352   | 58.355  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 387985   | 58.608  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 62641    | 53.195  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 280205   | 58.506  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 248068   | 56.387  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 523121   | 42.859  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 235098   | 54.213  | ug/L  | 98       |

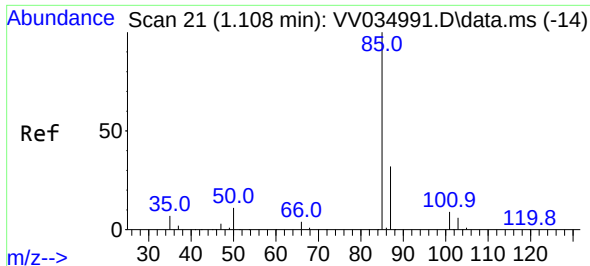
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC050  
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Quant Time: Apr 08 12:08:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 06 02:25:24 2024  
Response via : Initial Calibration

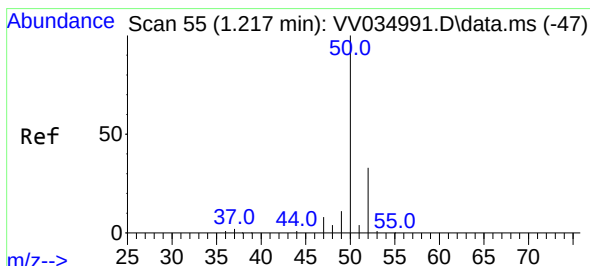
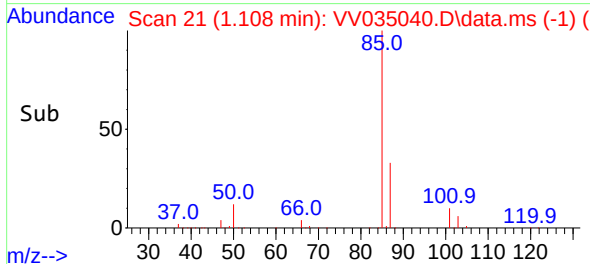
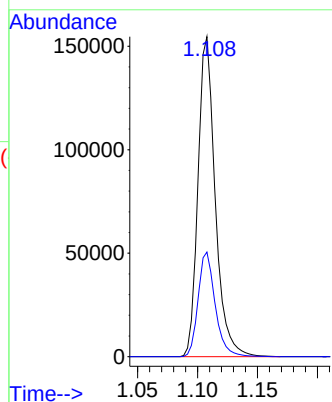
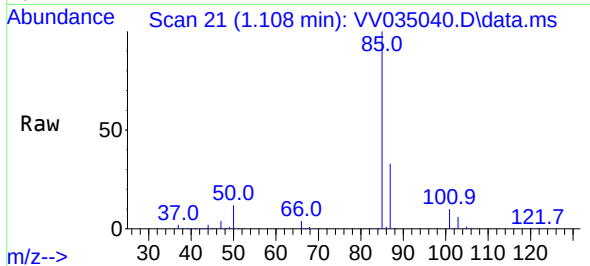




#2  
Dichlorodifluoromethane  
Concen: 52.854 ug/L  
RT: 1.108 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

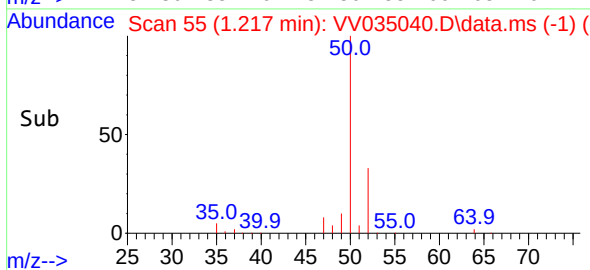
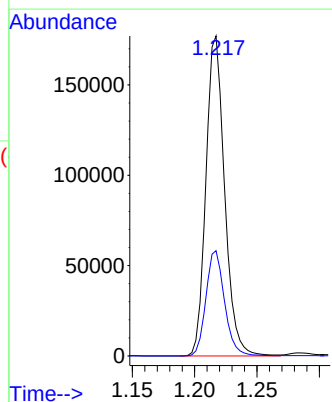
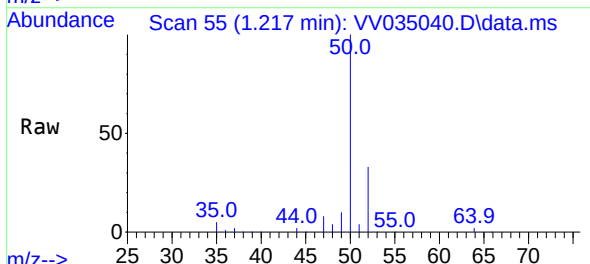
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 85 Resp: 154658  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.7 38.5

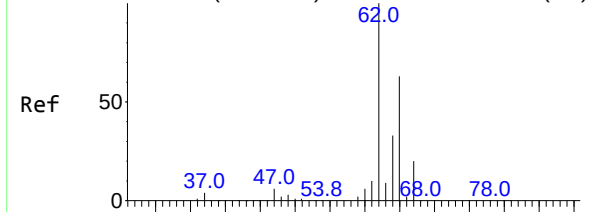


#3  
Chloromethane  
Concen: 49.165 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 50 Resp: 184948  
Ion Ratio Lower Upper  
50 100  
52 32.9 23.0 42.8

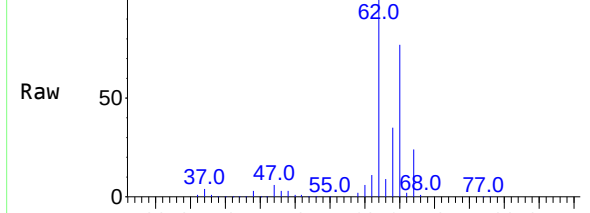


Abundance Scan 76 (1.285 min): VV034991.D\data.ms (-68)



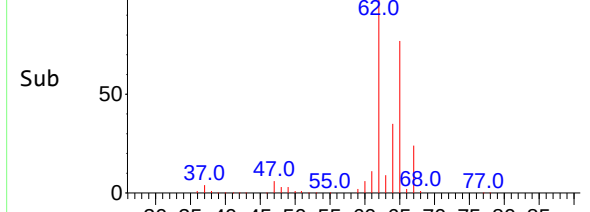
m/z-->

Abundance Scan 76 (1.285 min): VV035040.D\data.ms



m/z-->

Abundance Scan 76 (1.285 min): VV035040.D\data.ms (-1)



m/z-->

#5

Vinyl chloride

Concen: 50.360 ug/L

RT: 1.285 min Scan# 70

Delta R.T. -0.000 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

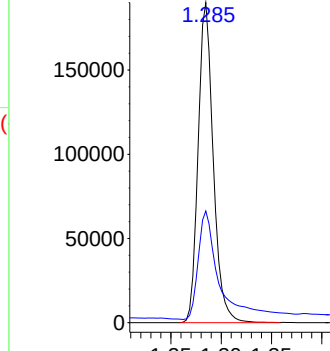
Tgt Ion: 62 Resp: 198601

Ion Ratio Lower Upper

62 100

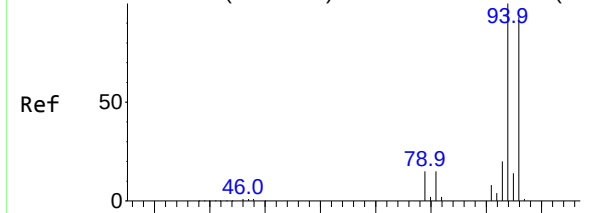
64 34.9 23.6 43.8

Abundance



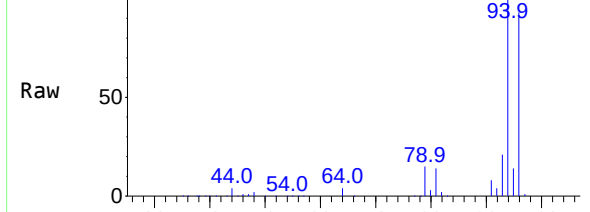
Time-->

Abundance Scan 140 (1.490 min): VV034991.D\data.ms (-13)



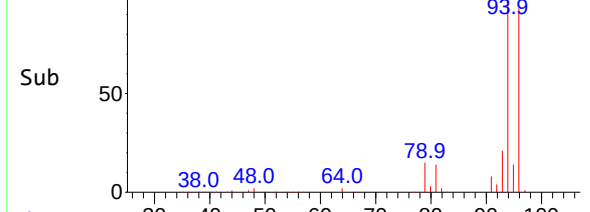
m/z-->

Abundance Scan 140 (1.490 min): VV035040.D\data.ms



m/z-->

Abundance Scan 140 (1.490 min): VV035040.D\data.ms (-46)



m/z-->

#6

Bromomethane

Concen: 41.702 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

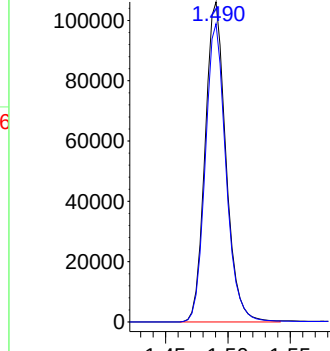
Tgt Ion: 94 Resp: 123276

Ion Ratio Lower Upper

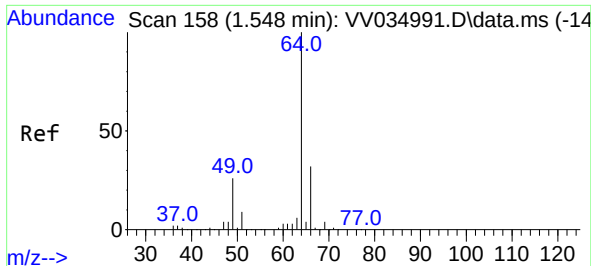
94 100

96 93.2 66.3 123.1

Abundance



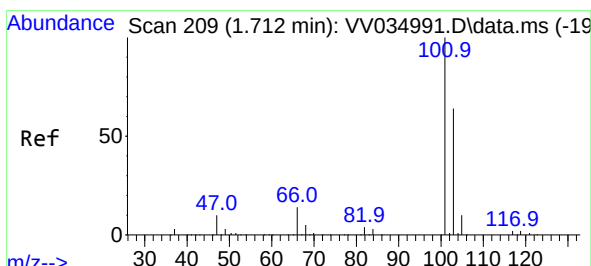
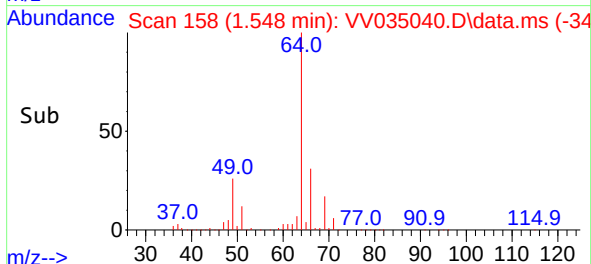
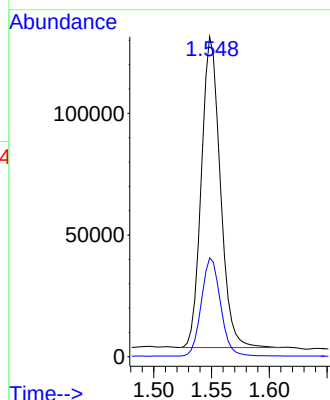
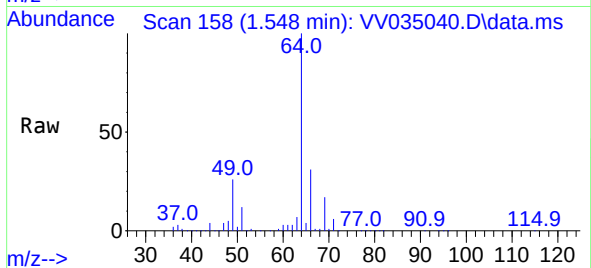
Time-->



#8  
Chloroethane  
Concen: 53.971 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

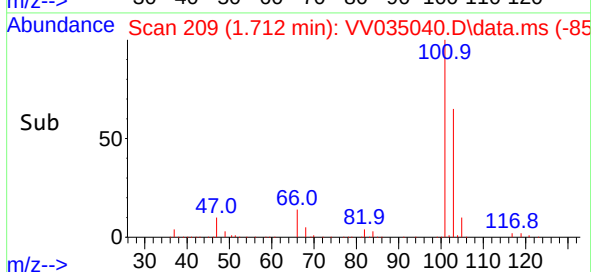
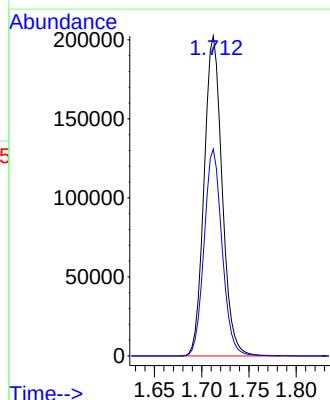
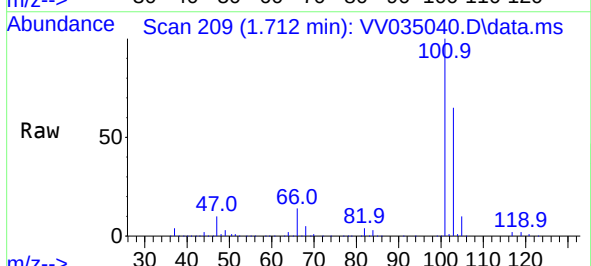
Instrument :  
MSVOA\_V  
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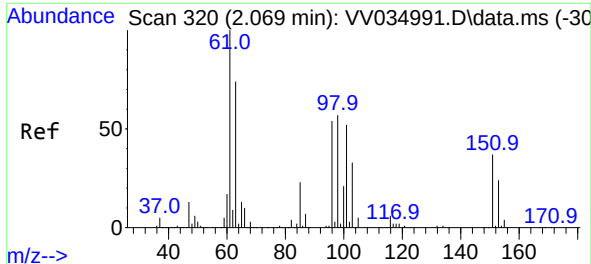
Tgt Ion: 64 Resp: 145363  
Ion Ratio Lower Upper  
64 100  
66 30.9 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 51.848 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:101 Resp: 268366  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.6 77.4

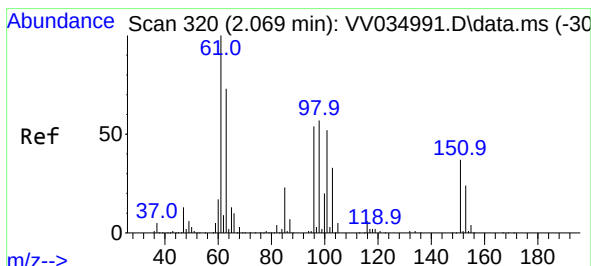
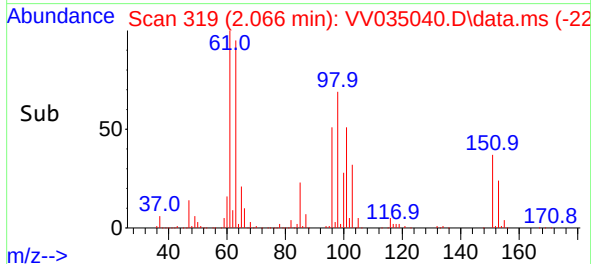
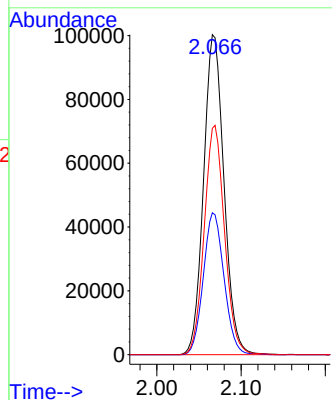
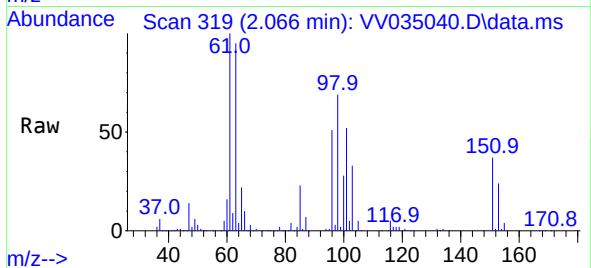




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 53.501 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

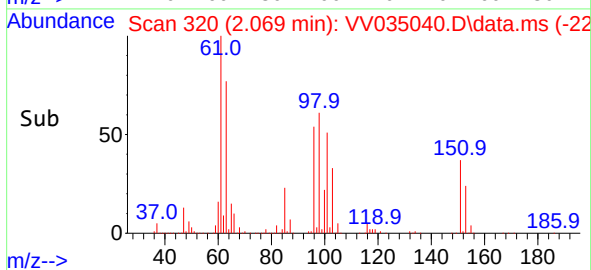
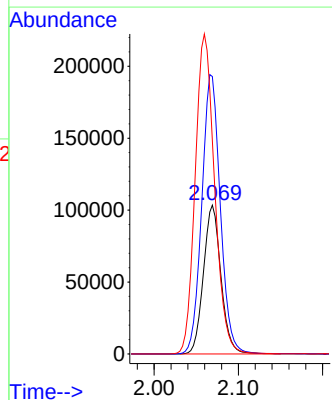
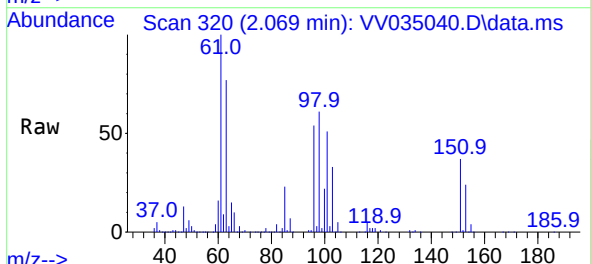
Instrument :  
MSVOA\_V  
ClientSampleId :

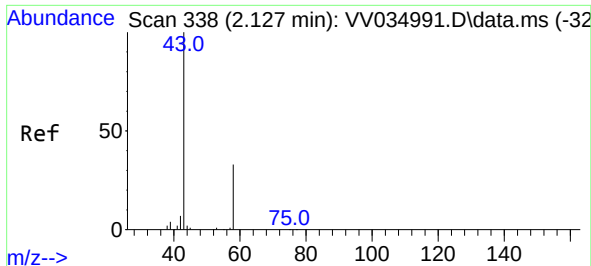
Tgt Ion:101 Resp: 169494  
Ion Ratio Lower Upper  
101 100  
85 45.0 35.3 52.9  
151 71.4 55.0 82.4



#12  
1,1-Dichloroethene  
Concen: 49.433 ug/L  
RT: 2.069 min Scan# 320  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 96 Resp: 149782  
Ion Ratio Lower Upper  
96 100  
61 186.4 131.5 244.3  
63 143.4 111.4 206.8





#13

Acetone

Concen: 144.653 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

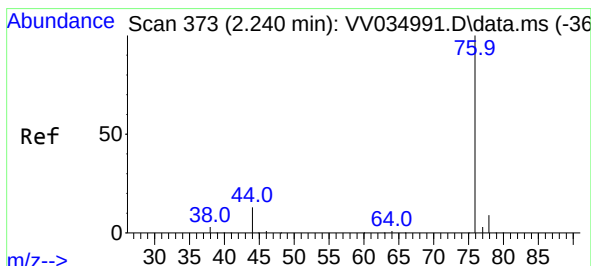
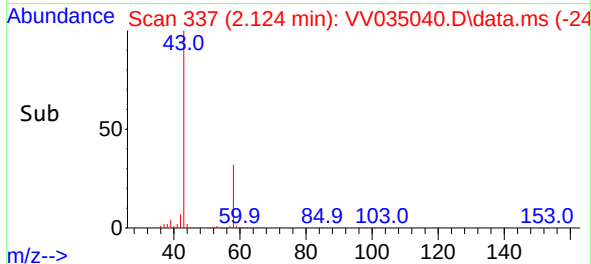
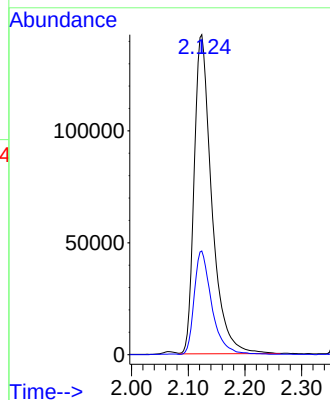
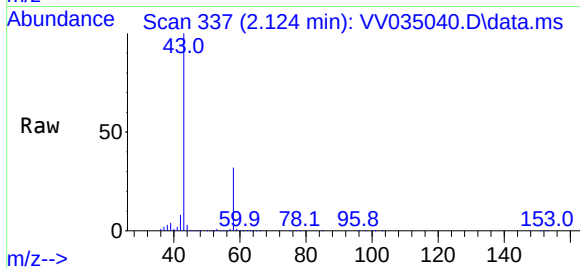
ClientSampleId :

Tgt Ion: 43 Resp: 307096

Ion Ratio Lower Upper

43 100

58 32.1 0.0 66.0



#14

Carbon disulfide

Concen: 47.299 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV035040.D

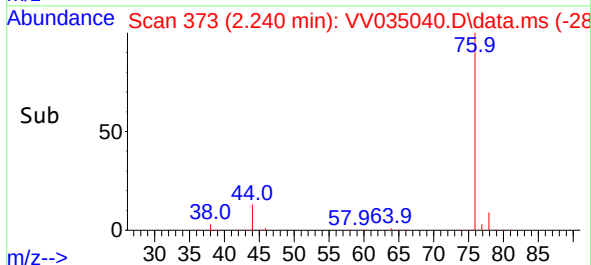
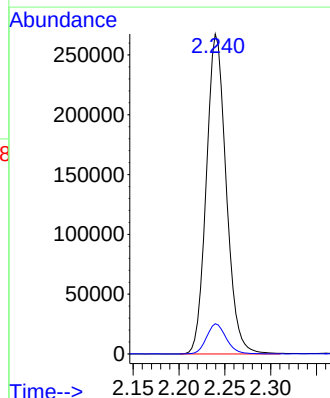
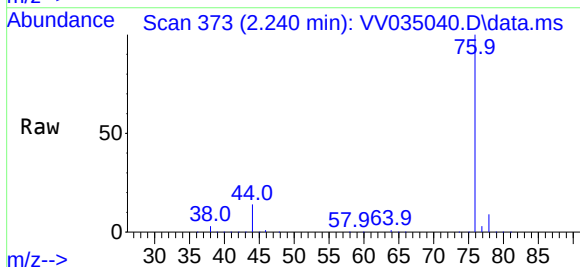
Acq: 08 Apr 2024 08:48

Tgt Ion: 76 Resp: 403592

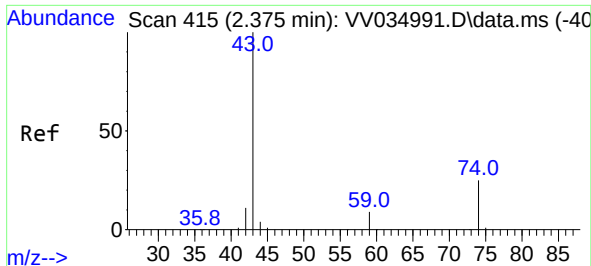
Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



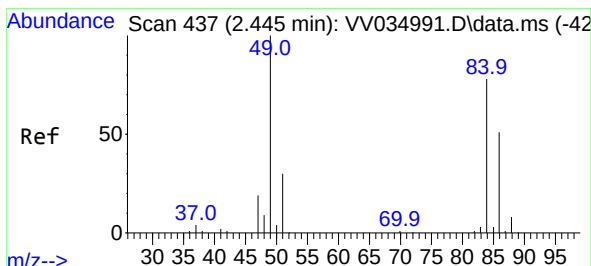
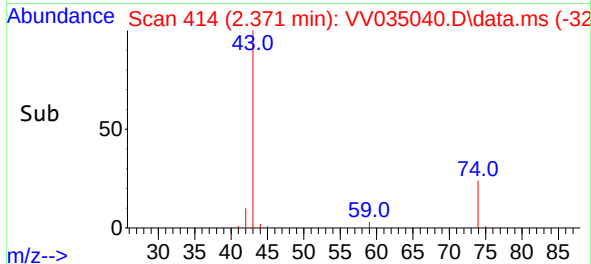
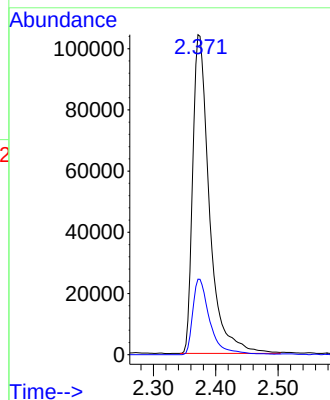
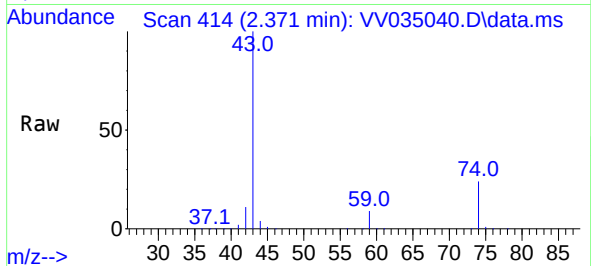




#15  
Methyl Acetate  
Concen: 57.884 ug/L  
RT: 2.371 min Scan# 415  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

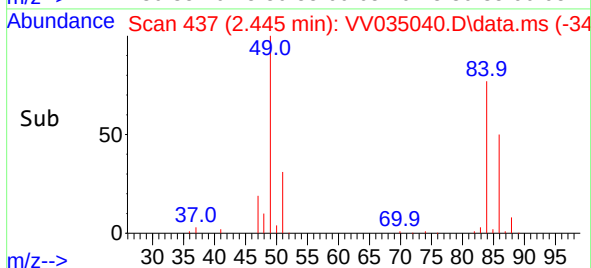
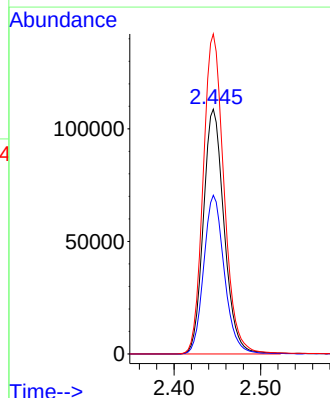
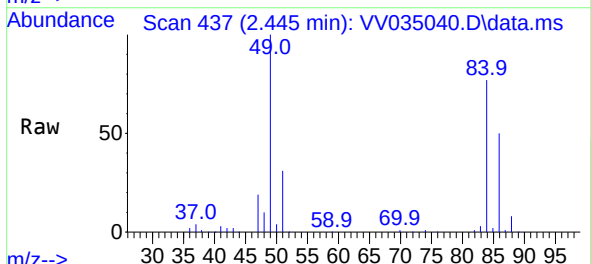
Instrument :  
MSVOA\_V  
ClientSampleId :

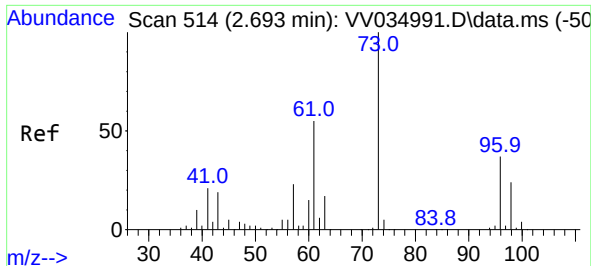
Tgt Ion: 43 Resp: 193653  
Ion Ratio Lower Upper  
43 100  
74 24.1 19.8 29.8



#16  
Methylene chloride  
Concen: 55.109 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

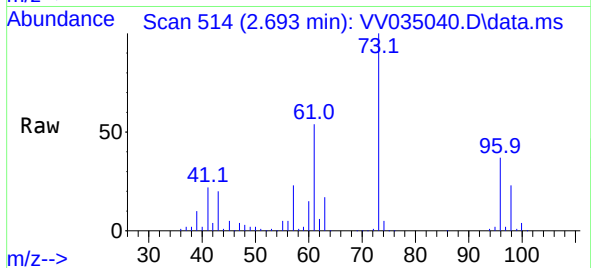
Tgt Ion: 84 Resp: 180928  
Ion Ratio Lower Upper  
84 100  
86 64.9 44.6 82.8  
49 130.7 86.9 161.3



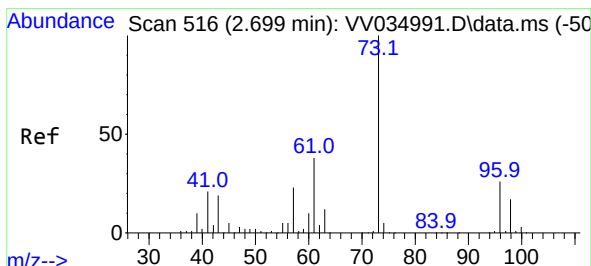
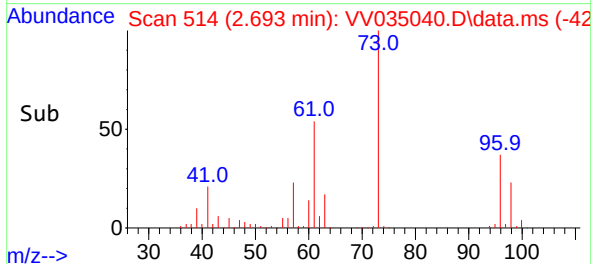
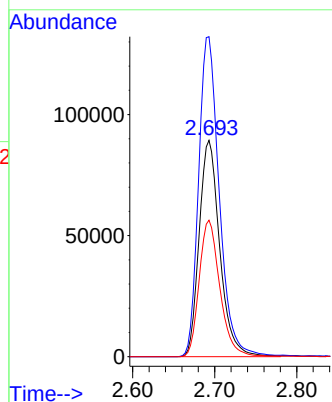


#17  
trans-1,2-Dichloroethene  
Concen: 53.225 ug/L  
RT: 2.693 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

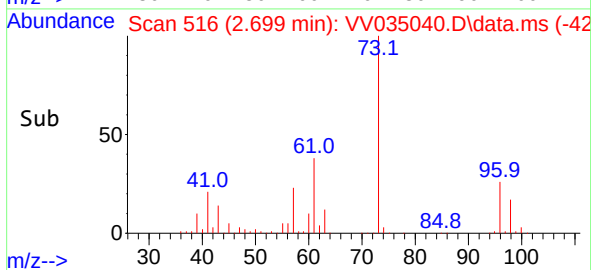
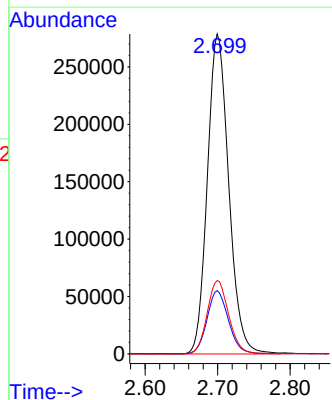
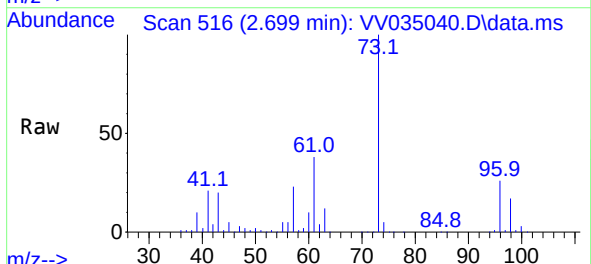


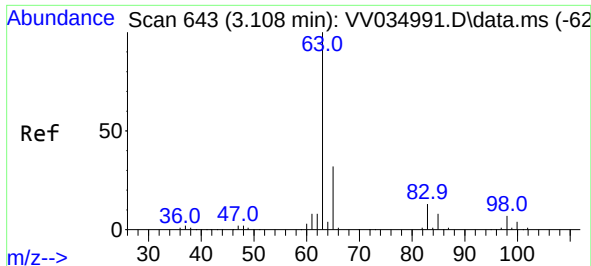
Tgt Ion: 96 Resp: 155919  
Ion Ratio Lower Upper  
96 100  
61 147.9 99.0 183.8  
98 63.1 44.3 82.3



#18  
Methyl tert-butyl Ether  
Concen: 55.515 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

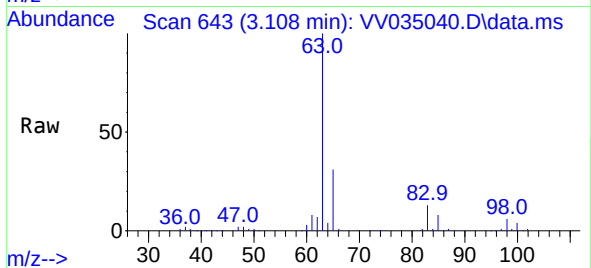
Tgt Ion: 73 Resp: 571224  
Ion Ratio Lower Upper  
73 100  
43 19.7 14.6 21.8  
57 23.1 17.6 26.4



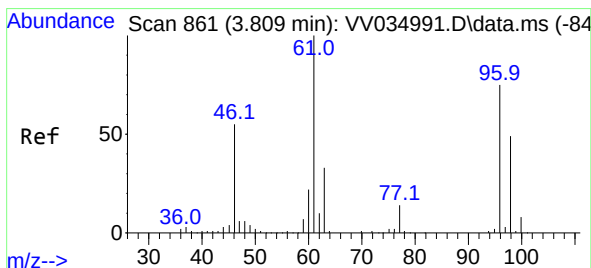
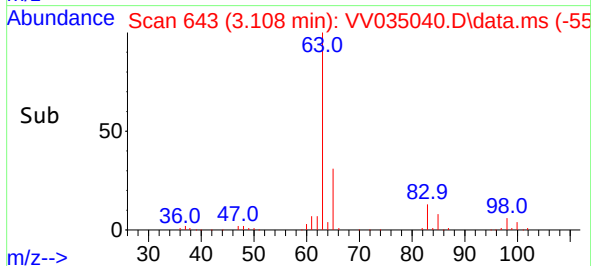
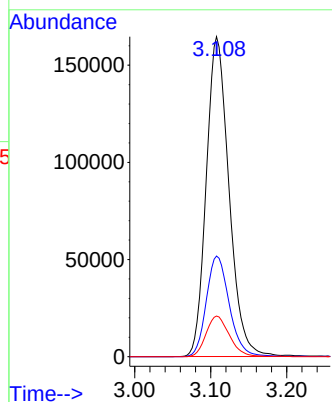


#19  
1,1-Dichloroethane  
Concen: 56.849 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

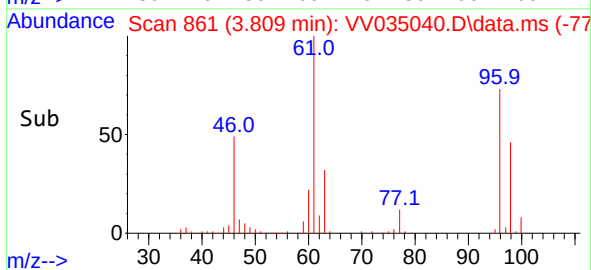
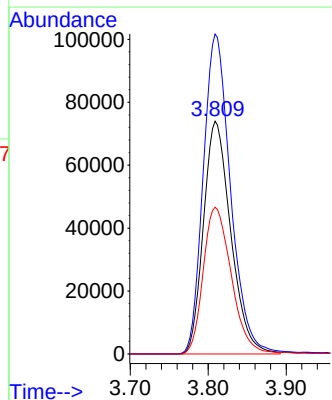
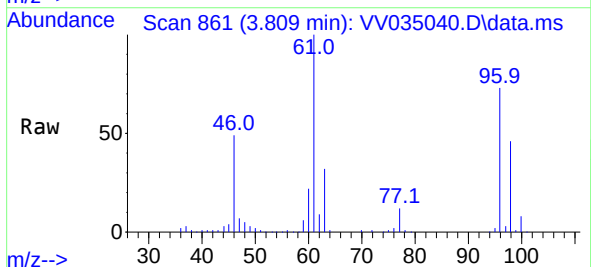


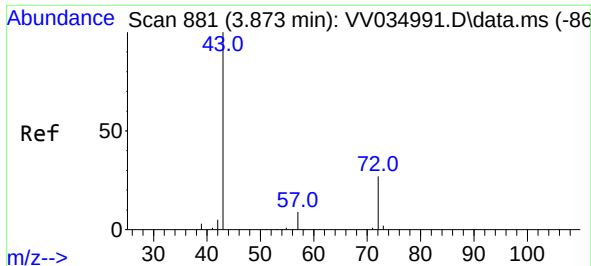
Tgt Ion: 63 Resp: 341512  
Ion Ratio Lower Upper  
63 100  
65 31.4 23.0 42.6  
83 12.7 9.1 16.9



#20  
cis-1,2-Dichloroethene  
Concen: 54.211 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. -0.007 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 96 Resp: 180334  
Ion Ratio Lower Upper  
96 100  
61 137.4 94.9 176.3  
98 63.0 45.6 84.8

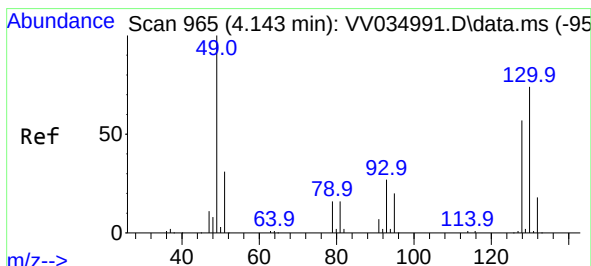
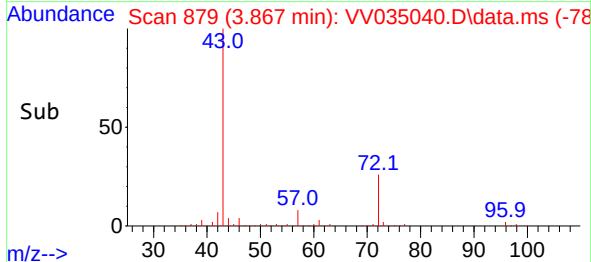
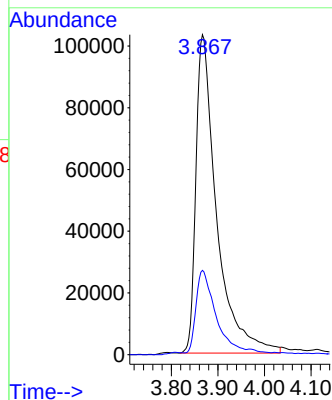
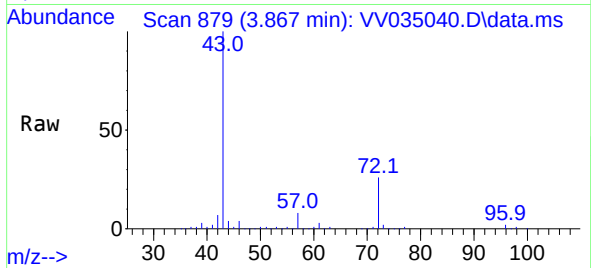




#22  
2-Butanone  
Concen: 129.144 ug/L  
RT: 3.867 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

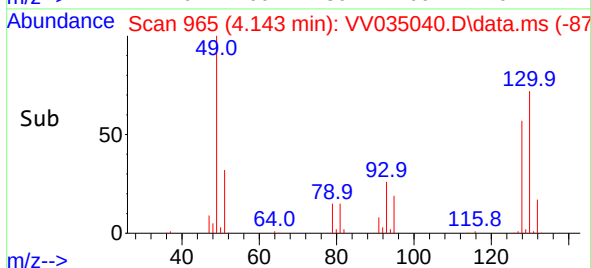
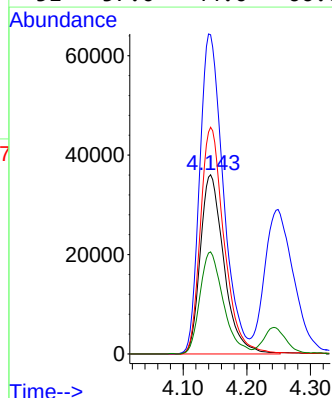
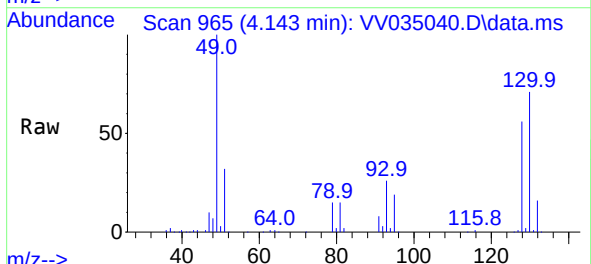
Instrument :  
MSVOA\_V  
ClientSampleId :

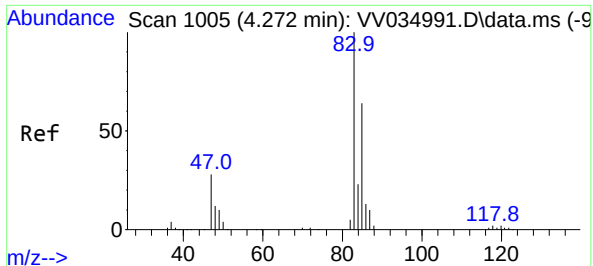
Tgt Ion: 43 Resp: 318146  
Ion Ratio Lower Upper  
43 100  
72 24.3 13.2 39.6



#23  
Bromochloromethane  
Concen: 55.862 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:128 Resp: 92973  
Ion Ratio Lower Upper  
128 100  
49 178.1 123.8 229.8  
130 126.5 93.2 173.0  
51 57.0 44.0 66.0

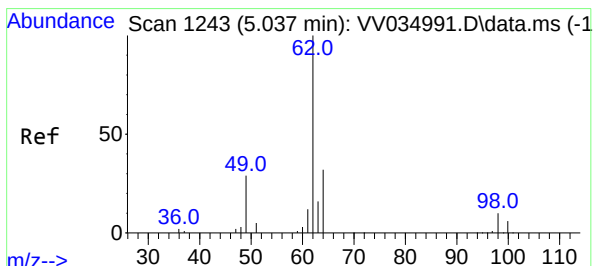
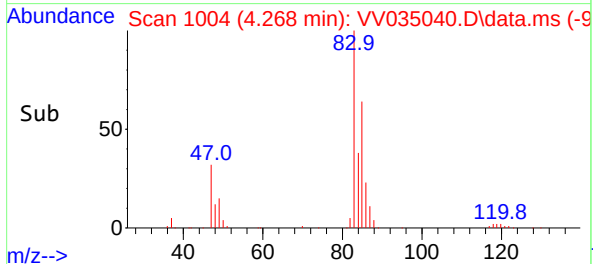
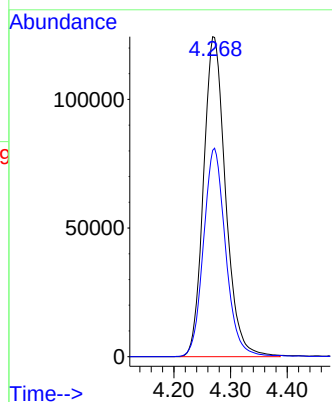
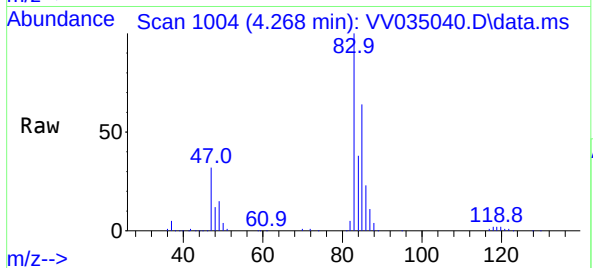




#25  
Chloroform  
Concen: 56.666 ug/L  
RT: 4.268 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

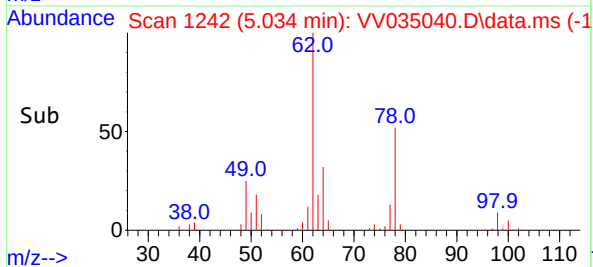
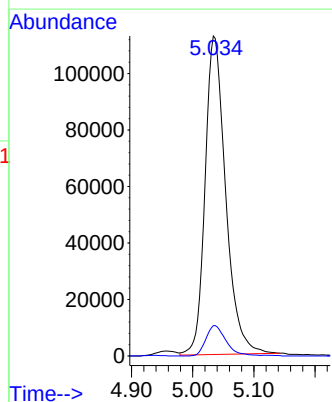
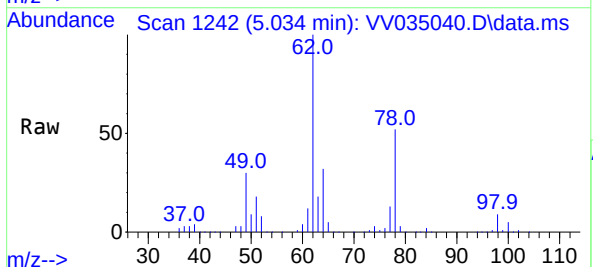
Instrument :  
MSVOA\_V  
ClientSampleId :

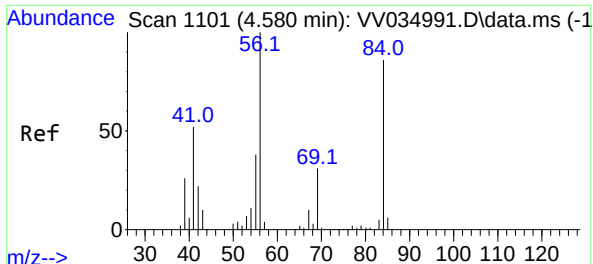
Tgt Ion: 83 Resp: 336559  
Ion Ratio Lower Upper  
83 100  
85 64.5 46.0 85.4



#27  
1,2-Dichloroethane  
Concen: 55.796 ug/L  
RT: 5.034 min Scan# 1242  
Delta R.T. -0.007 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 62 Resp: 263851  
Ion Ratio Lower Upper  
62 100  
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 56.609 ug/L

RT: 4.577 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

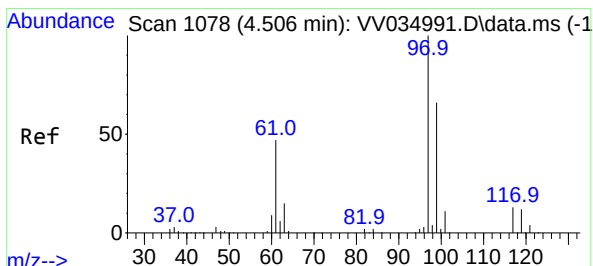
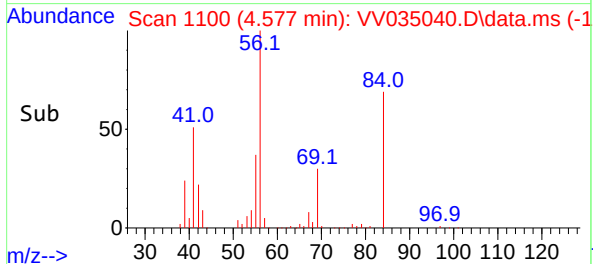
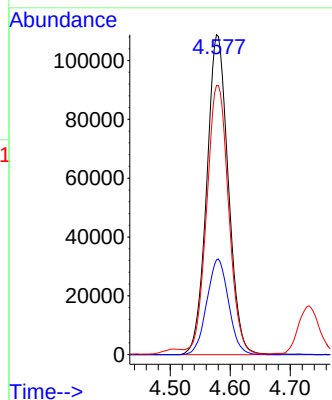
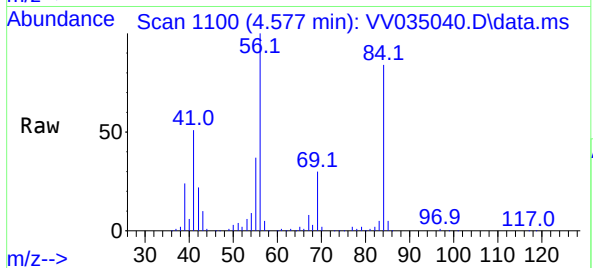
Tgt Ion: 56 Resp: 271692

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 85.7 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 56.616 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

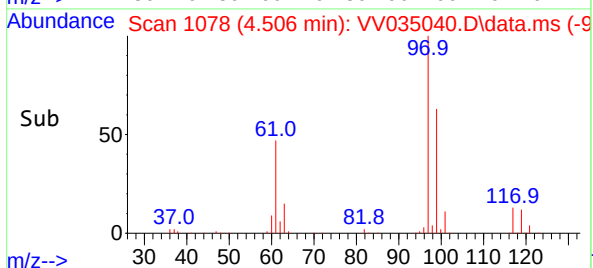
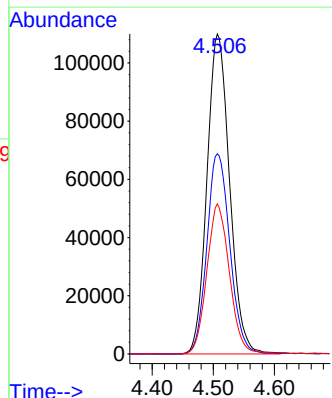
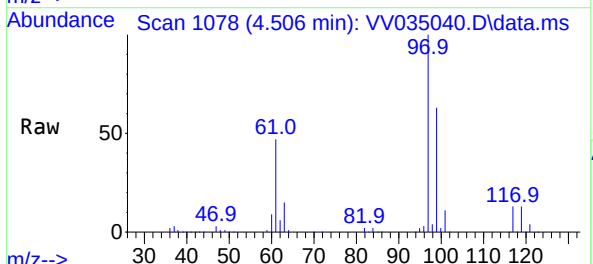
Tgt Ion: 97 Resp: 282794

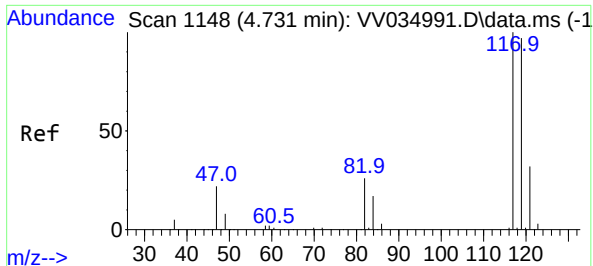
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

61 46.4 36.8 55.2

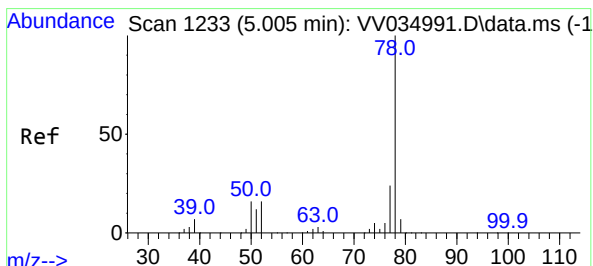
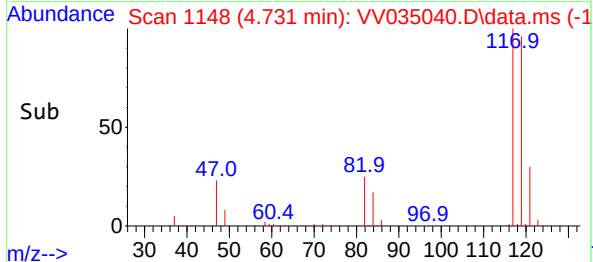
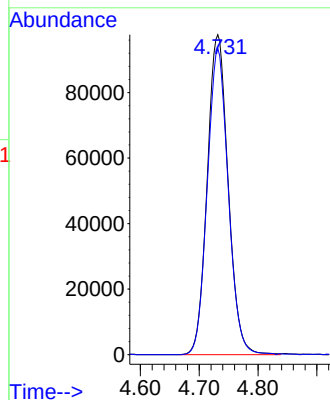
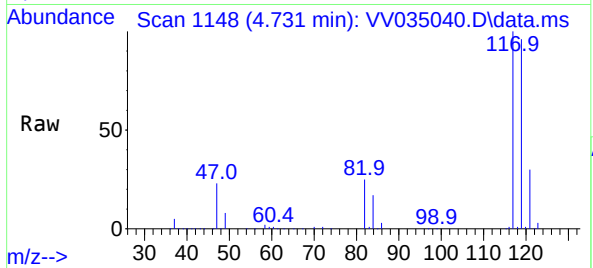




#31  
Carbon tetrachloride  
Concen: 57.013 ug/L  
RT: 4.731 min Scan# 1148  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

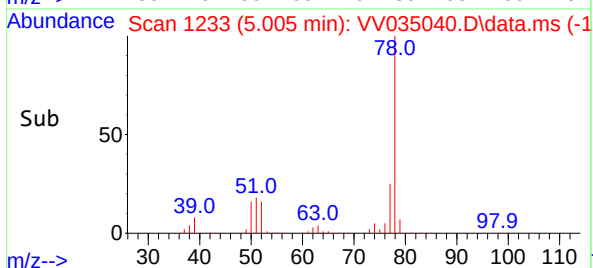
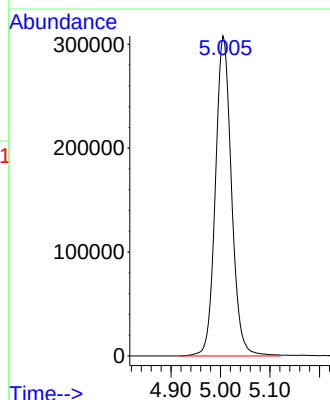
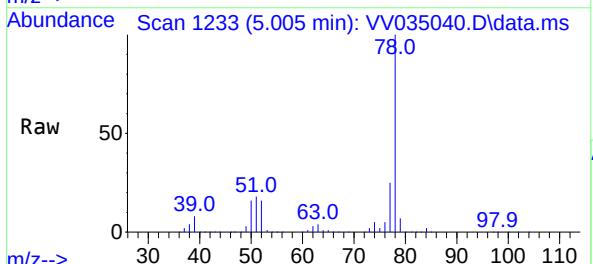
Instrument :  
MSVOA\_V  
ClientSampleId :

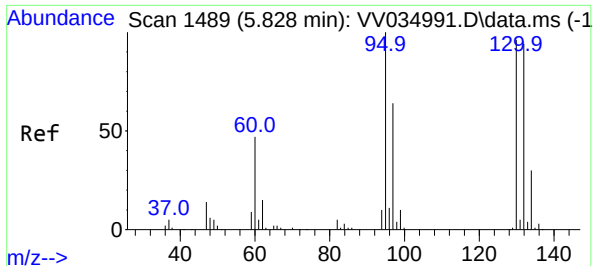
Tgt Ion:117 Resp: 241372  
Ion Ratio Lower Upper  
117 100  
119 95.5 77.1 115.7



#33  
Benzene  
Concen: 55.658 ug/L  
RT: 5.005 min Scan# 1233  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 78 Resp: 695461





#34

Trichloroethene

Concen: 53.429 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 180172

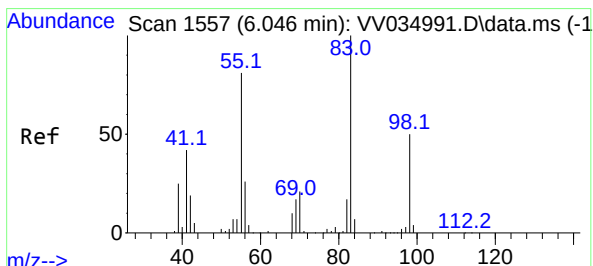
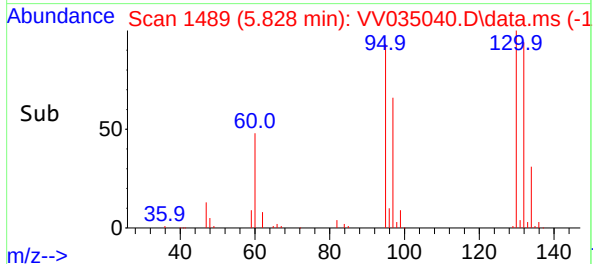
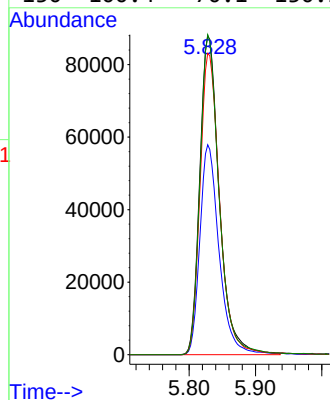
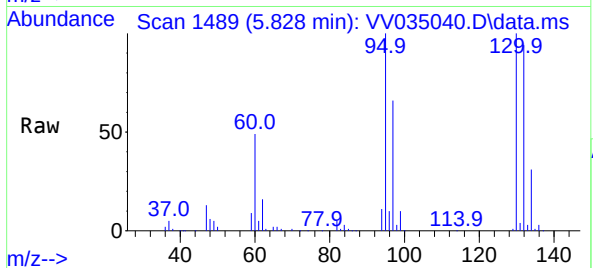
Ion Ratio Lower Upper

95 100

97 65.9 45.3 84.1

132 94.5 65.3 121.3

130 100.4 70.1 130.3



#35

Methylcyclohexane

Concen: 55.773 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

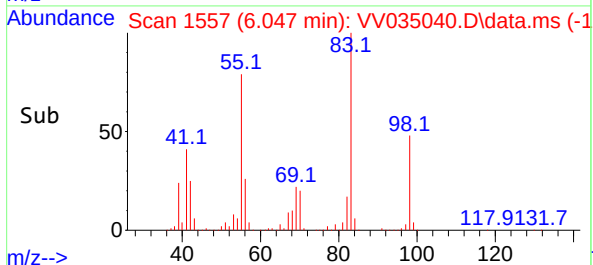
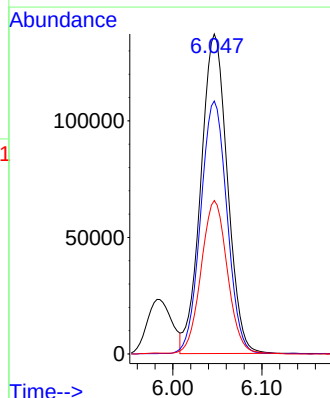
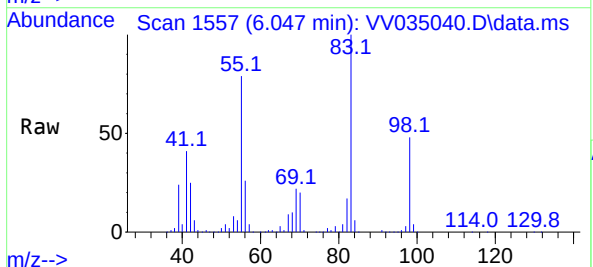
Tgt Ion: 83 Resp: 284041

Ion Ratio Lower Upper

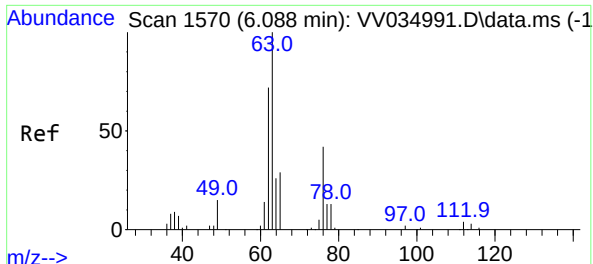
83 100

55 78.4 60.0 90.0

98 47.7 37.6 56.4



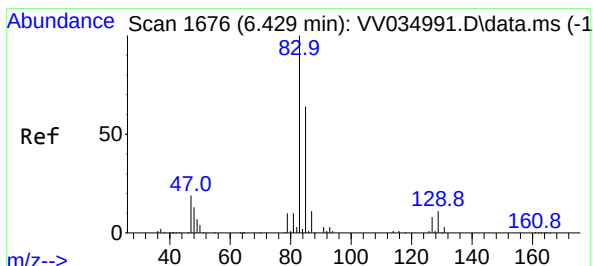
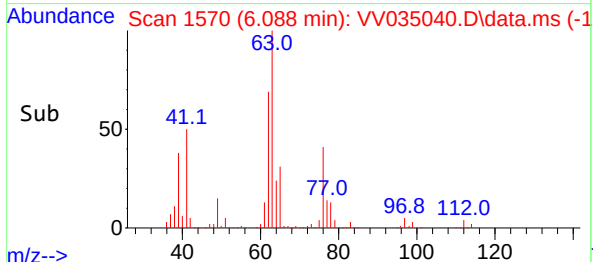
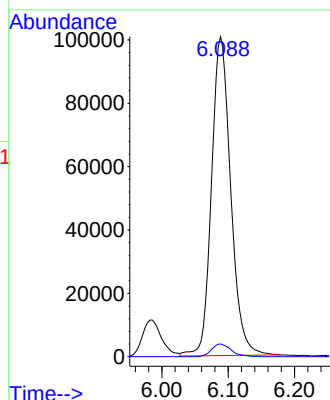
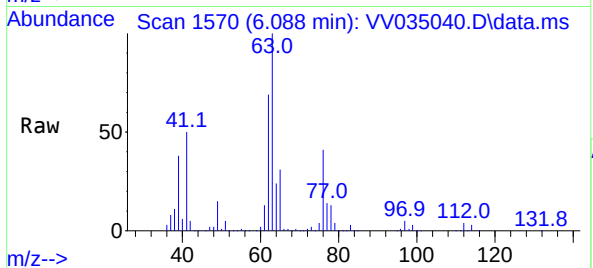




#37  
1,2-Dichloropropane  
Concen: 58.613 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

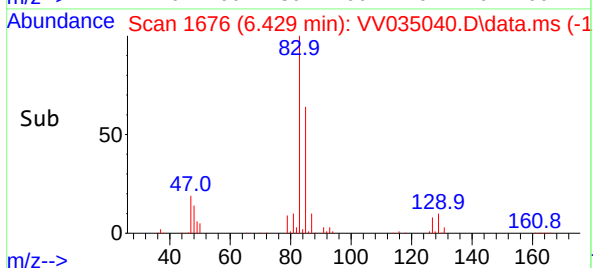
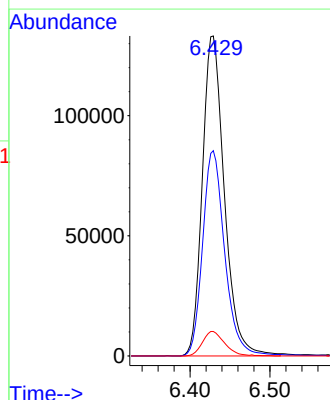
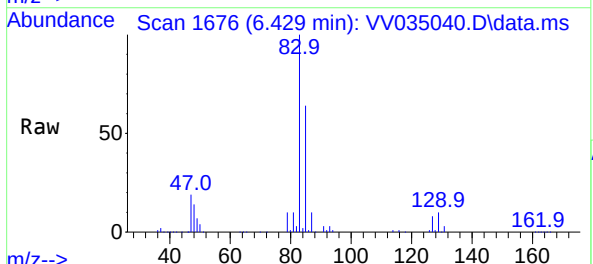
Instrument :  
MSVOA\_V  
ClientSampleId :

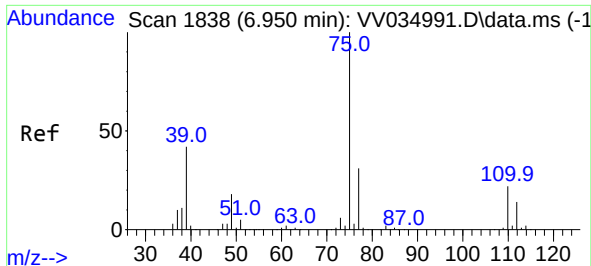
Tgt Ion: 63 Resp: 202398  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.3 4.9



#38  
Bromodichloromethane  
Concen: 57.405 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 83 Resp: 255759  
Ion Ratio Lower Upper  
83 100  
85 64.2 43.7 81.1  
127 7.7 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 57.820 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

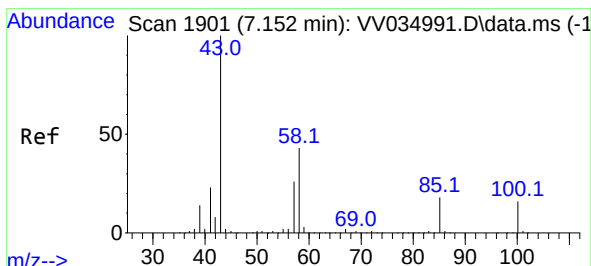
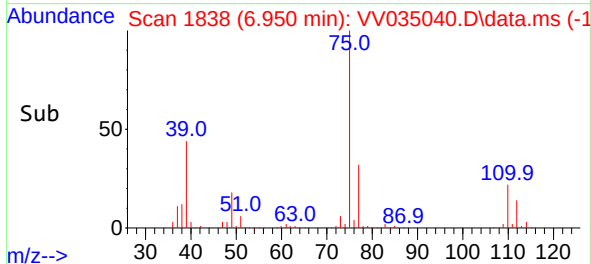
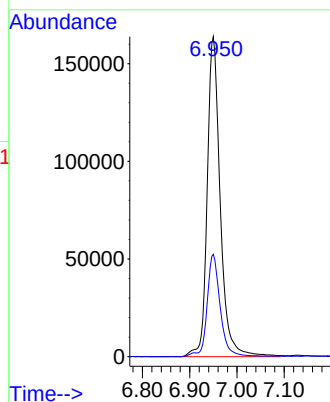
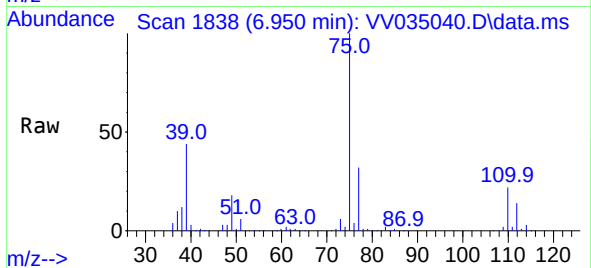
ClientSampleId :

Tgt Ion: 75 Resp: 314528

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 115.932 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

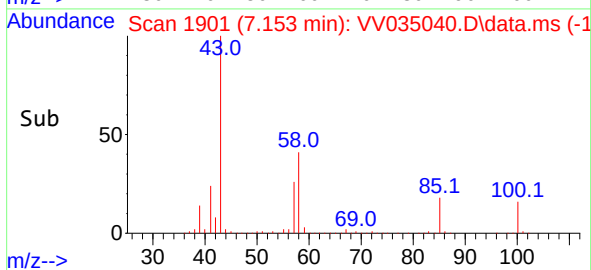
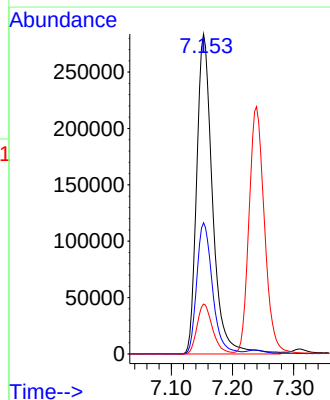
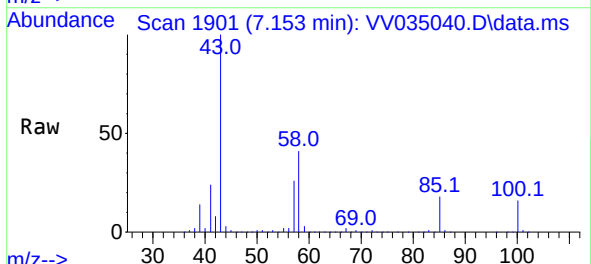
Tgt Ion: 43 Resp: 511125

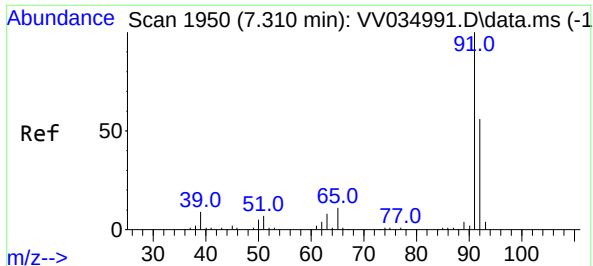
Ion Ratio Lower Upper

43 100

58 40.7 33.8 50.8

100 15.2 13.0 19.4





#42

Toluene

Concen: 56.609 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

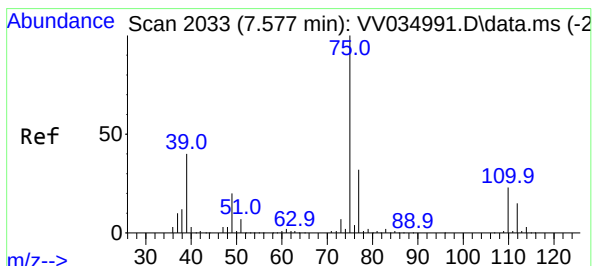
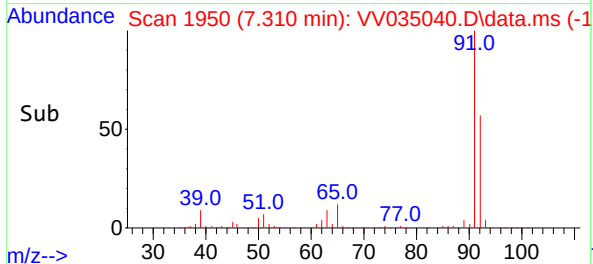
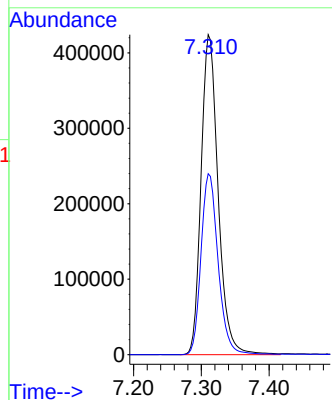
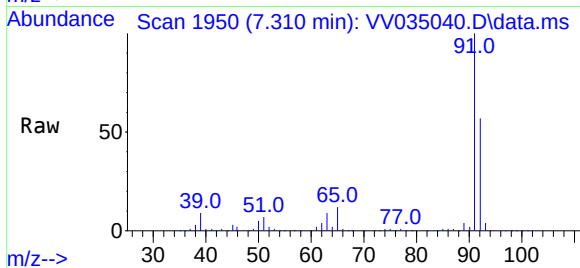
ClientSampleId :

Tgt Ion: 91 Resp: 740542

Ion Ratio Lower Upper

91 100

92 56.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 58.307 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV035040.D

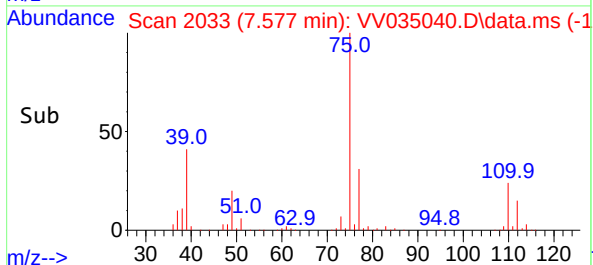
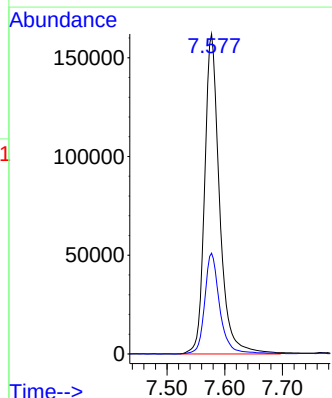
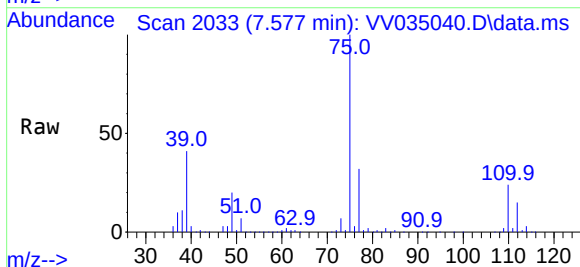
Acq: 08 Apr 2024 08:48

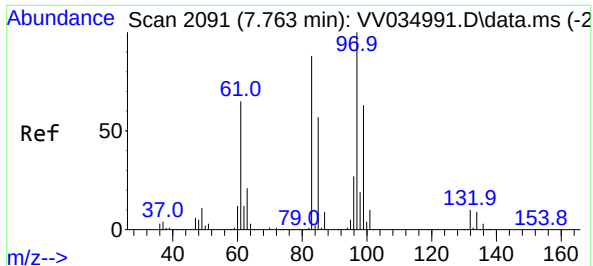
Tgt Ion: 75 Resp: 291396

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



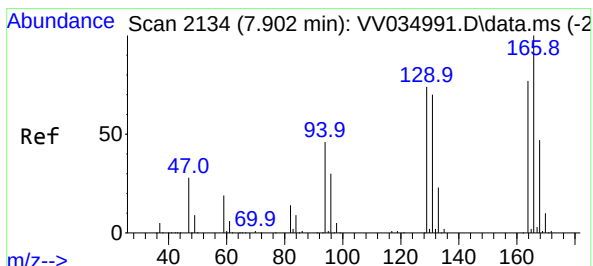
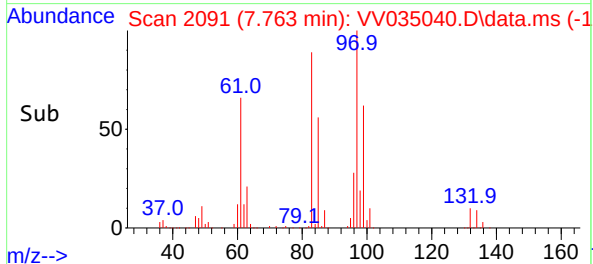
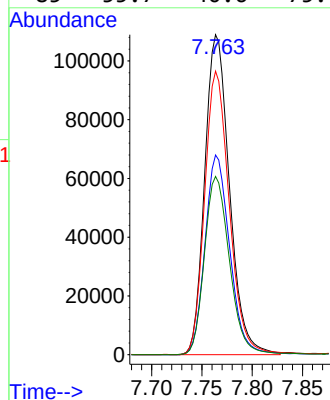
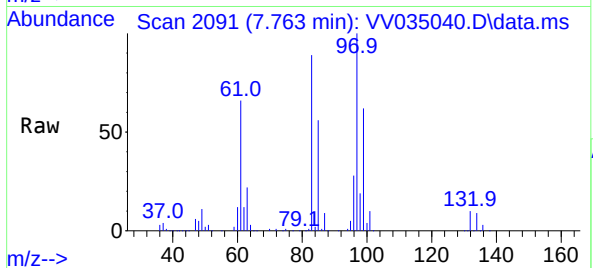


#45  
1,1,2-Trichloroethane  
Concen: 57.405 ug/L  
RT: 7.763 min Scan# 2091  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 186838

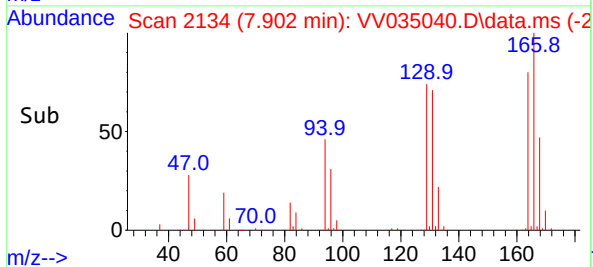
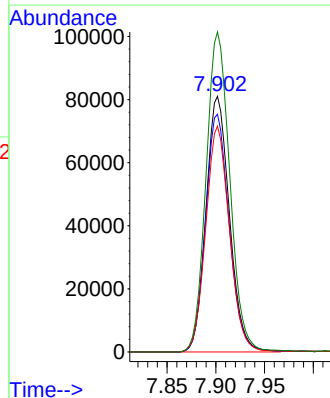
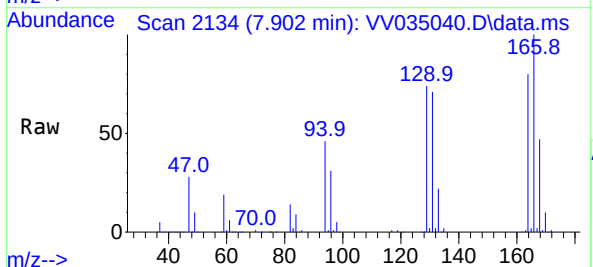
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.4  | 43.3  | 80.3  |
| 83  | 88.6  | 61.6  | 114.4 |
| 85  | 55.7  | 40.6  | 75.4  |

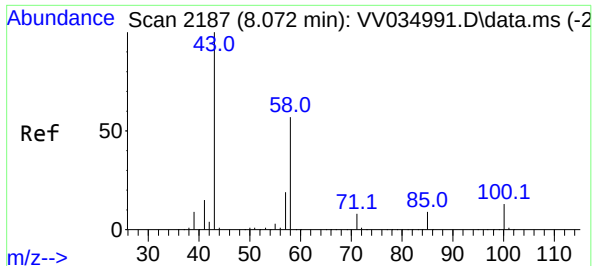


#46  
Tetrachloroethene  
Concen: 57.892 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 164 Resp: 136390

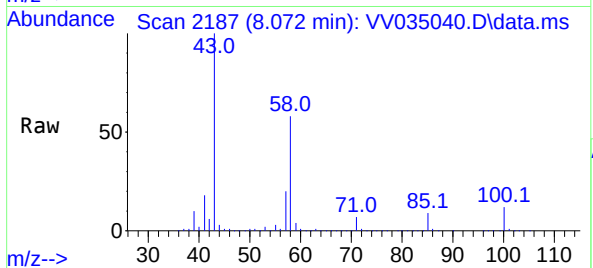
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.0  | 68.6  | 127.4 |
| 131 | 88.3  | 65.7  | 122.1 |
| 166 | 125.1 | 89.0  | 165.2 |



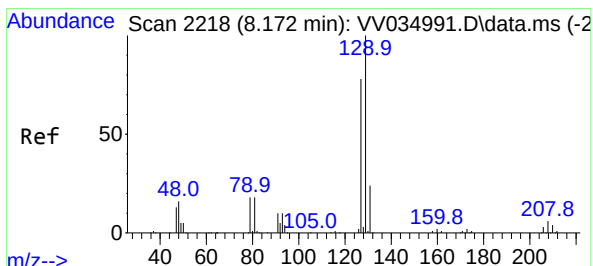
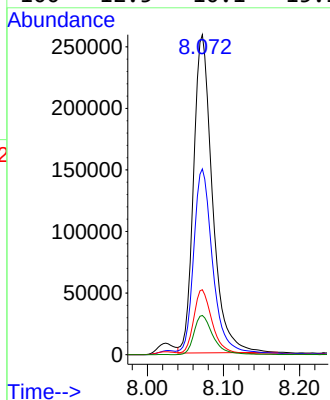
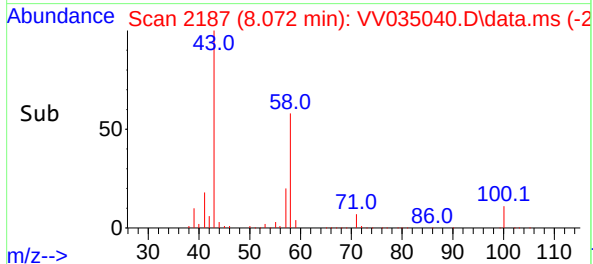


#48  
2-Hexanone  
Concen: 119.029 ug/L  
RT: 8.072 min Scan# 2187  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

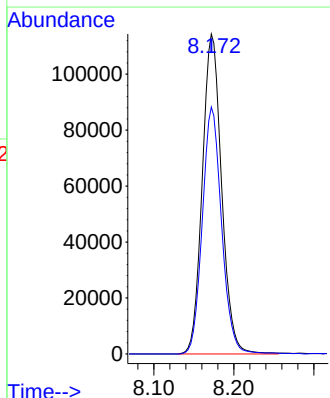
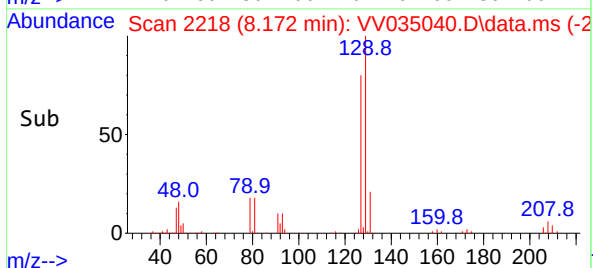
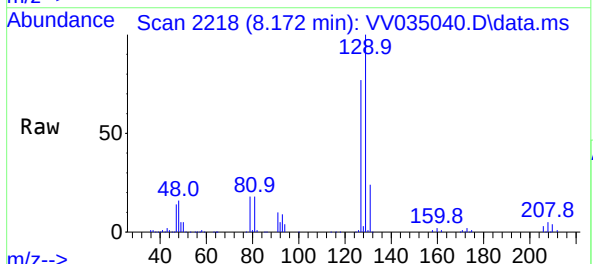


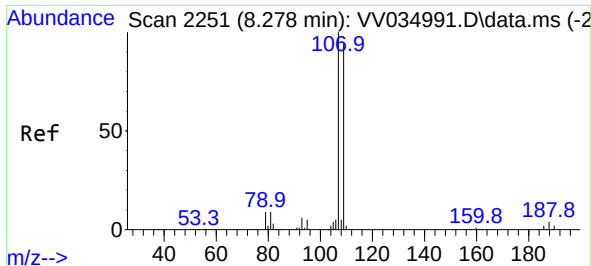
Tgt Ion: 43 Resp: 446328  
Ion Ratio Lower Upper  
43 100  
58 59.2 45.4 68.2  
57 20.2 16.2 24.4  
100 12.5 10.1 15.1



#49  
Dibromochloromethane  
Concen: 59.666 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

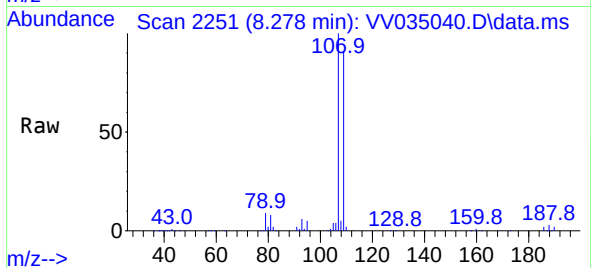
Tgt Ion: 129 Resp: 192338  
Ion Ratio Lower Upper  
129 100  
127 77.1 54.1 100.5



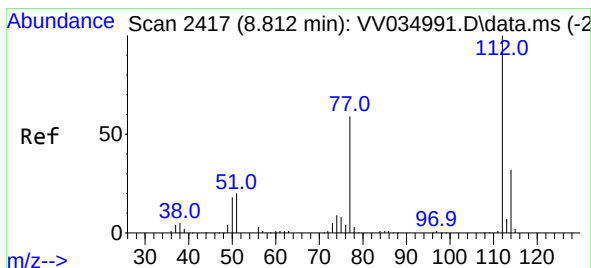
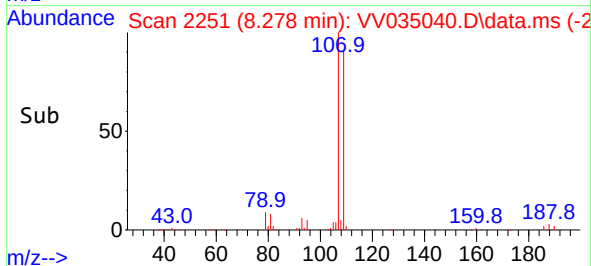
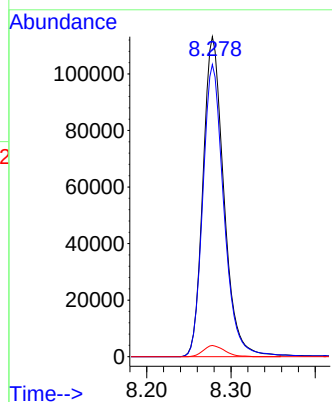


#50  
1,2-Dibromoethane  
Concen: 55.549 ug/L  
RT: 8.278 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

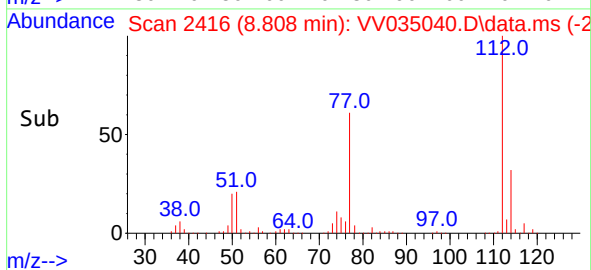
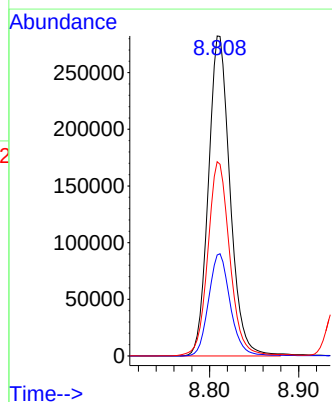
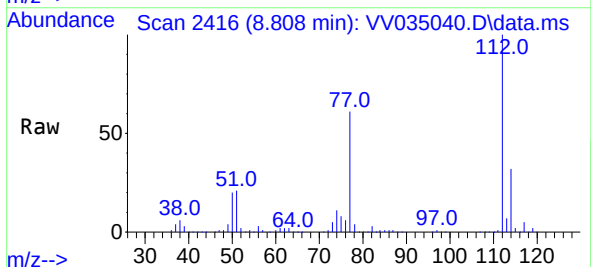


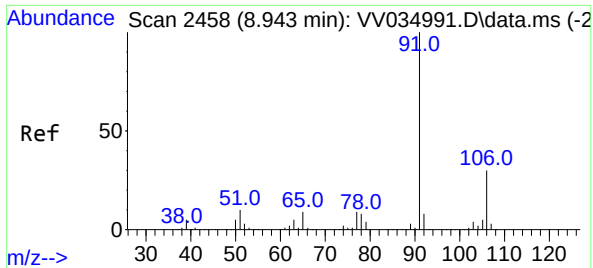
Tgt Ion:107 Resp: 194646  
Ion Ratio Lower Upper  
107 100  
109 91.3 64.5 119.9  
188 3.6 2.8 4.2



#51  
Chlorobenzene  
Concen: 56.154 ug/L  
RT: 8.808 min Scan# 2416  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:112 Resp: 476110  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.0 41.0  
77 60.7 47.4 71.2

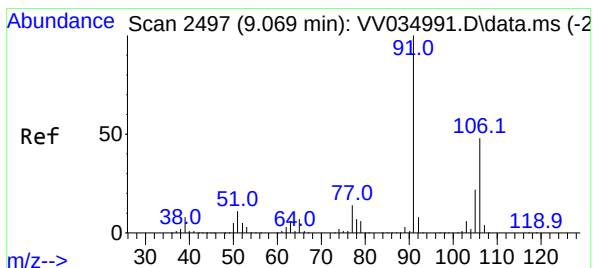
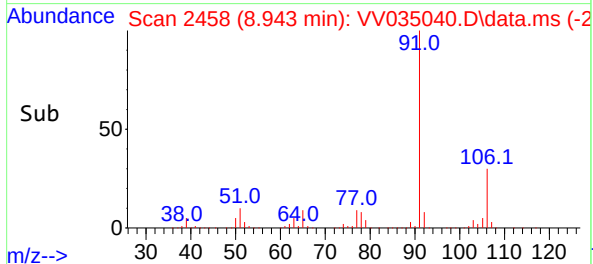
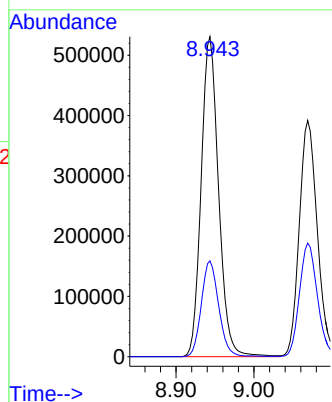
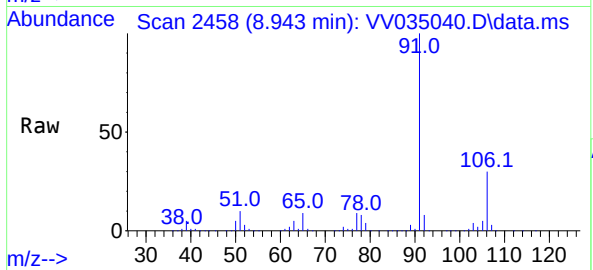




#52  
Ethylbenzene  
Concen: 56.767 ug/L  
RT: 8.943 min Scan# 2458  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

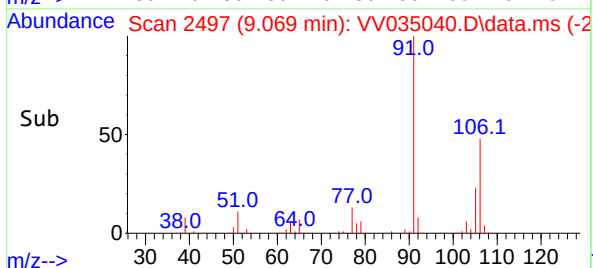
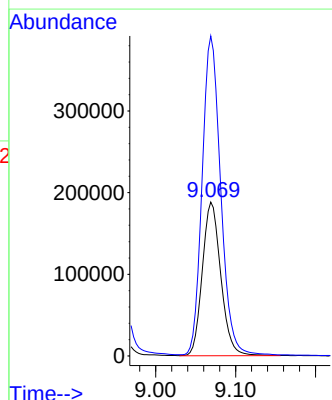
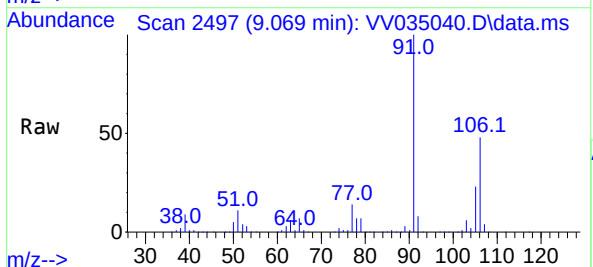
Instrument :  
MSVOA\_V  
ClientSampleId :

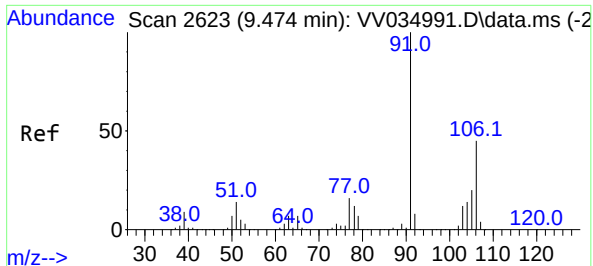
Tgt Ion: 91 Resp: 823031  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.3 39.5



#53  
m,p-Xylene  
Concen: 56.554 ug/L  
RT: 9.069 min Scan# 2497  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 106 Resp: 301957  
Ion Ratio Lower Upper  
106 100  
91 208.0 144.8 269.0

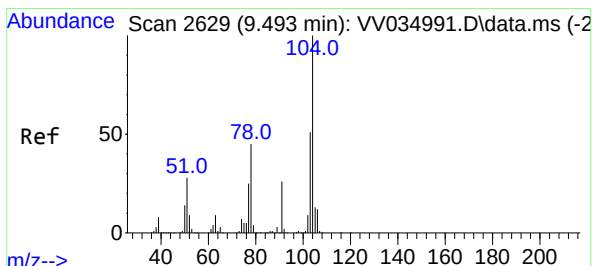
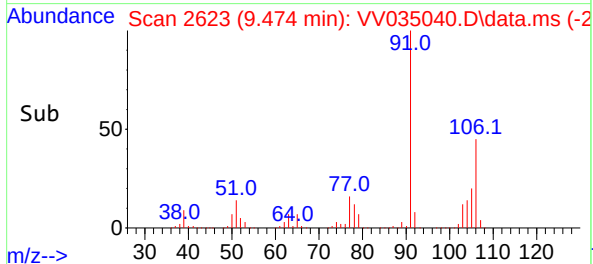
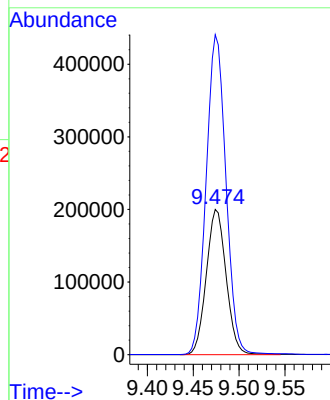
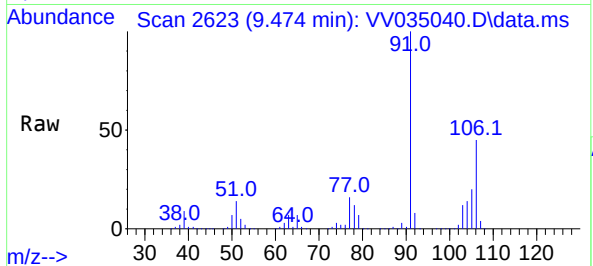




#54  
o-Xylene  
Concen: 56.954 ug/L  
RT: 9.474 min Scan# 2623  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

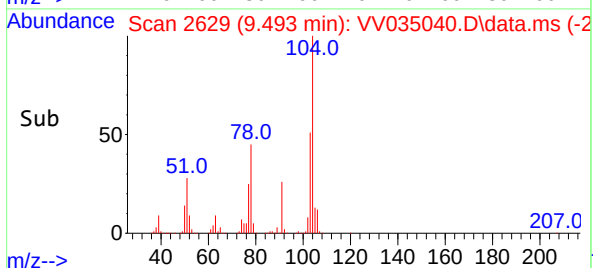
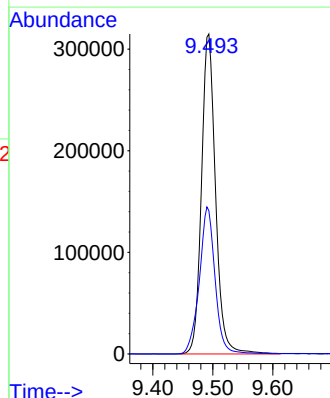
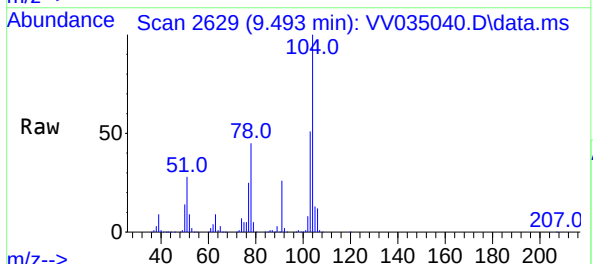
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 300878  
Ion Ratio Lower Upper  
106 100  
91 220.1 151.3 280.9

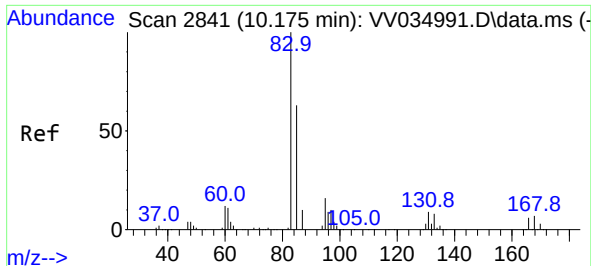


#55  
Styrene  
Concen: 57.800 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:104 Resp: 516002  
Ion Ratio Lower Upper  
104 100  
78 44.8 31.5 58.5

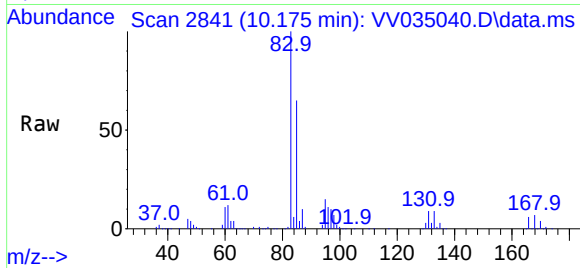




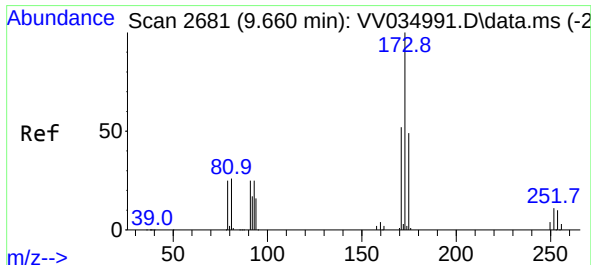
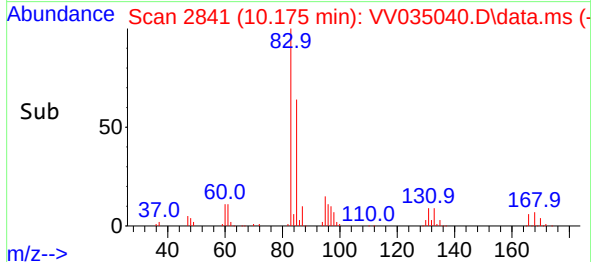
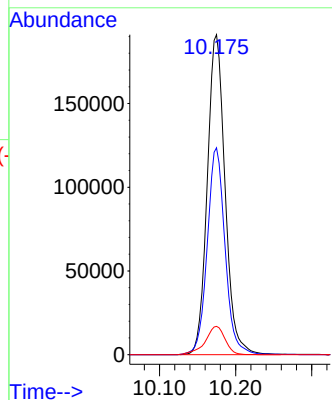


#57  
1,1,2,2-Tetrachloroethane  
Concen: 58.932 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

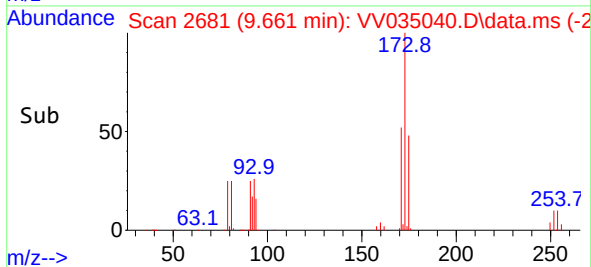
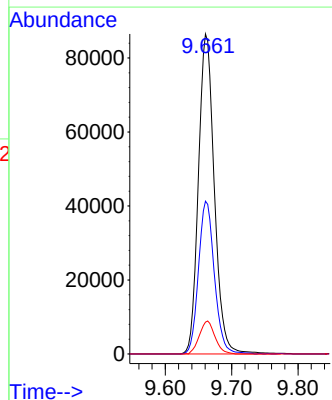
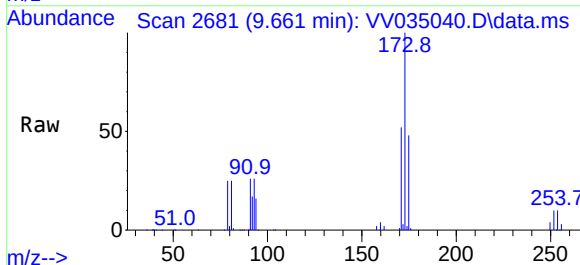


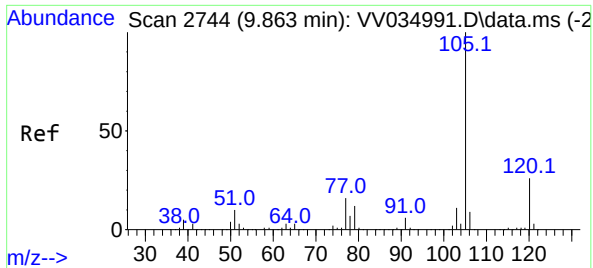
Tgt Ion: 83 Resp: 310774  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.5 82.7  
131 8.9 6.9 10.3



#59  
Bromoform  
Concen: 63.928 ug/L  
RT: 9.661 min Scan# 2681  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:173 Resp: 144505  
Ion Ratio Lower Upper  
173 100  
175 47.7 39.3 58.9  
254 10.1 7.5 11.3

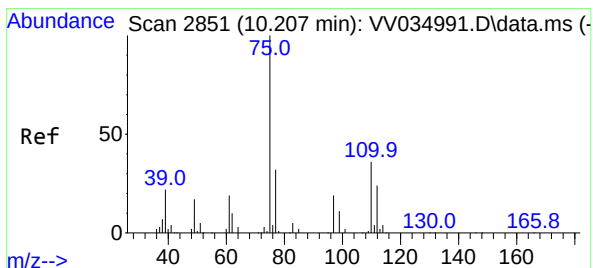
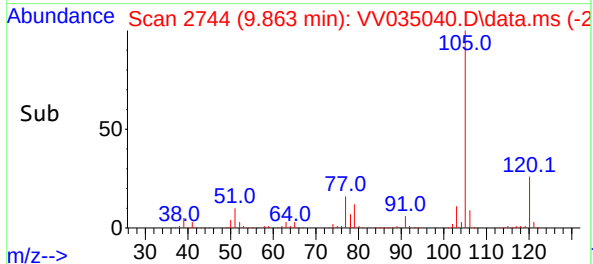
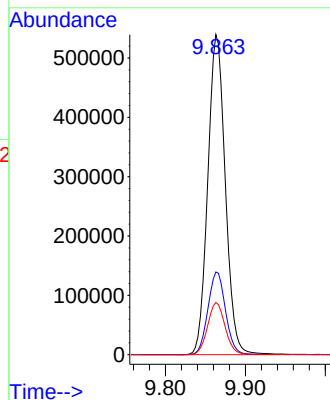
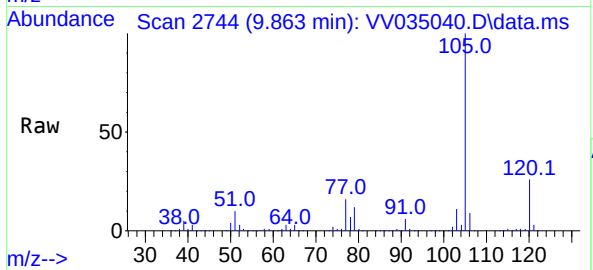




#60  
Isopropylbenzene  
Concen: 57.861 ug/L  
RT: 9.863 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

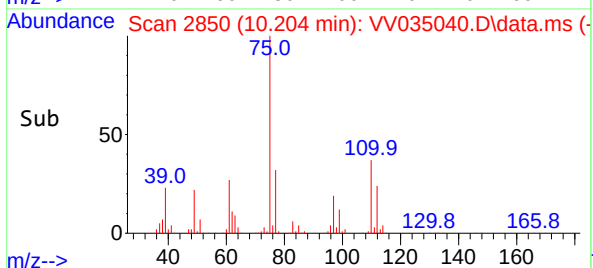
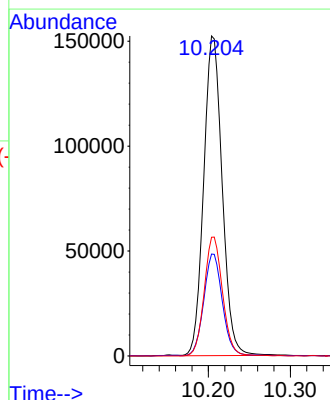
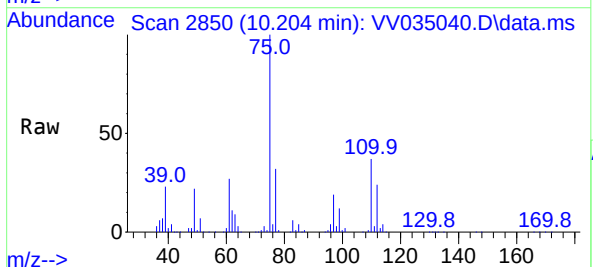
Instrument :  
MSVOA\_V  
ClientSampleId :

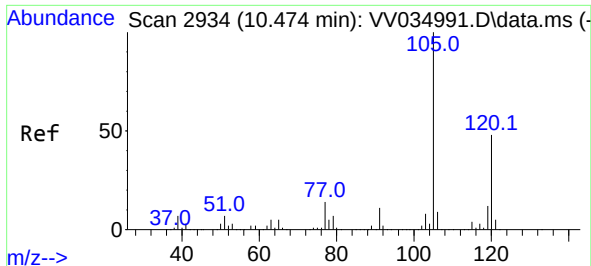
Tgt Ion:105 Resp: 822786  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.0 31.6  
77 16.3 13.1 19.7



#61  
1,2,3-Trichloropropane  
Concen: 55.849 ug/L  
RT: 10.204 min Scan# 2850  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion: 75 Resp: 238718  
Ion Ratio Lower Upper  
75 100  
77 31.8 26.0 39.0  
110 36.8 30.5 45.7

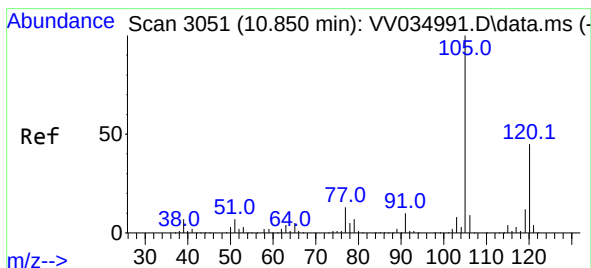
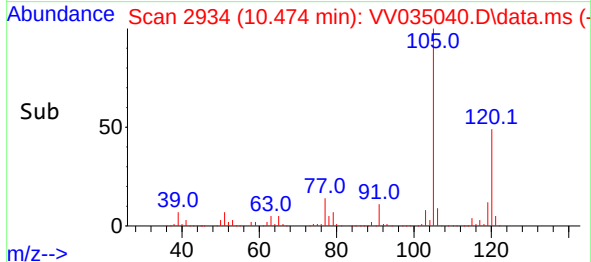
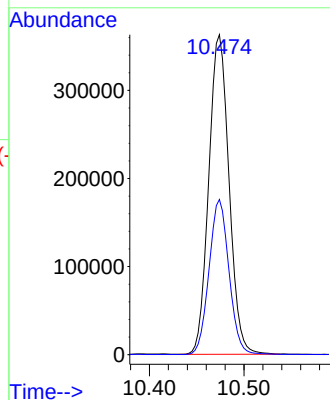
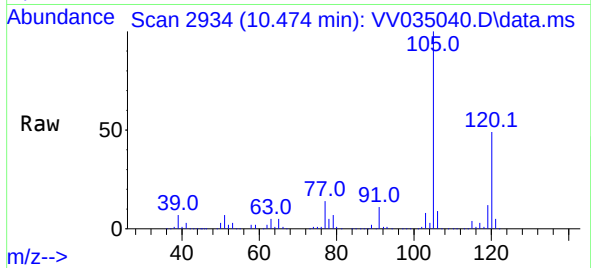




#62  
1,3,5-Trimethylbenzene  
Concen: 58.492 ug/L  
RT: 10.474 min Scan# 2934  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

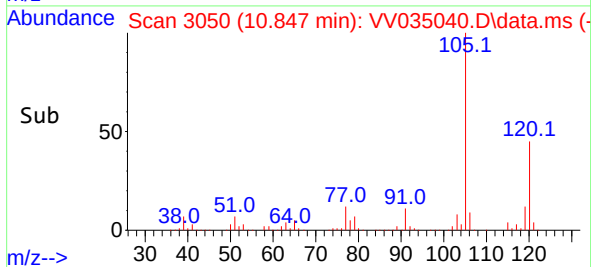
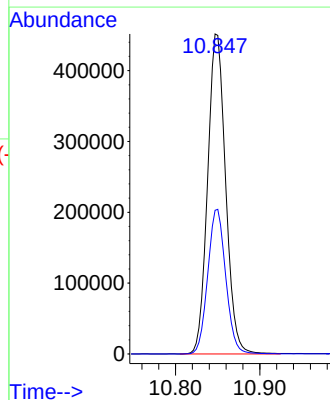
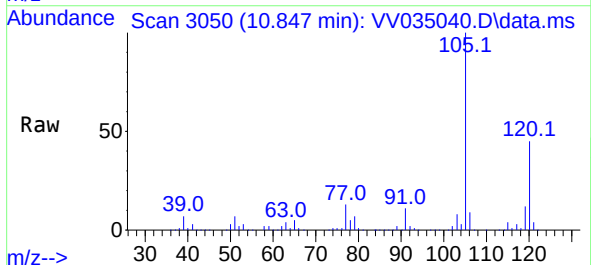
Instrument :  
MSVOA\_V  
ClientSampleId :

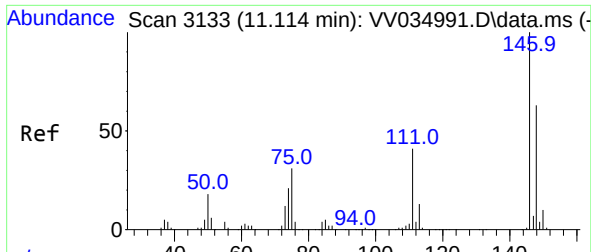
Tgt Ion:105 Resp: 540188  
Ion Ratio Lower Upper  
105 100  
120 47.9 38.7 58.1



#63  
1,2,4-Trimethylbenzene  
Concen: 58.899 ug/L  
RT: 10.847 min Scan# 3050  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

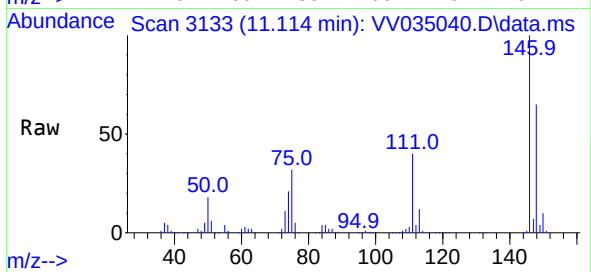
Tgt Ion:105 Resp: 672530  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.9 53.9



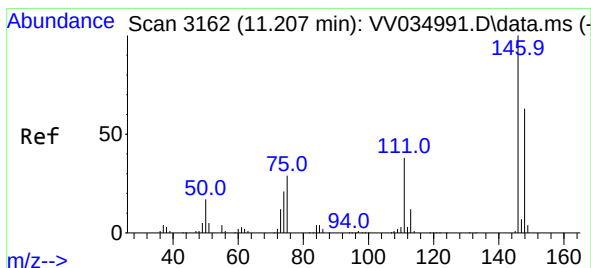
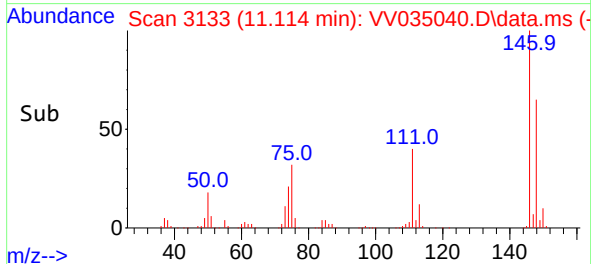
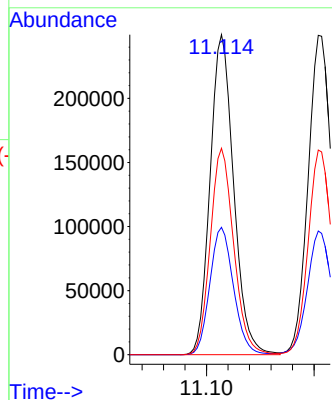


#64  
1,3-Dichlorobenzene  
Concen: 57.205 ug/L  
RT: 11.114 min Scan# 3133  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

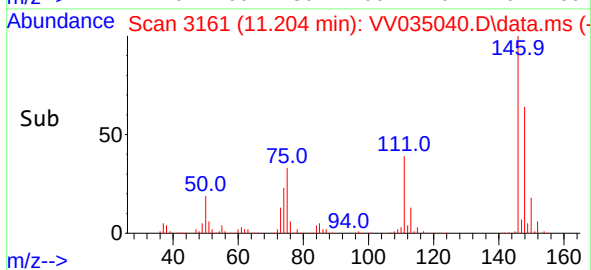
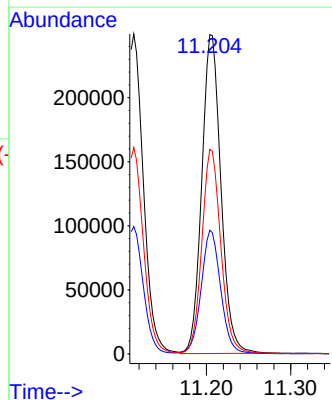
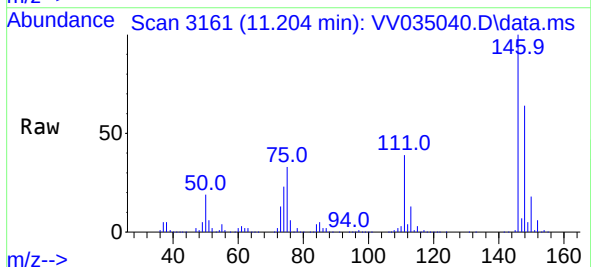


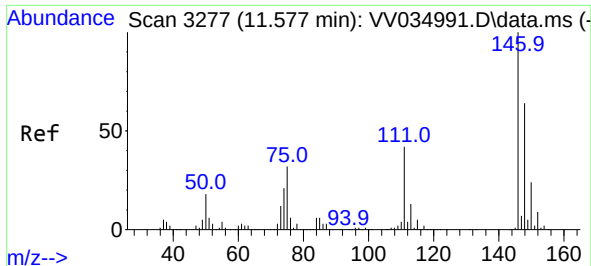
Tgt Ion:146 Resp: 380149  
Ion Ratio Lower Upper  
146 100  
111 39.8 28.7 53.3  
148 64.5 44.0 81.8



#65  
1,4-Dichlorobenzene  
Concen: 58.355 ug/L  
RT: 11.204 min Scan# 3161  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:146 Resp: 394352  
Ion Ratio Lower Upper  
146 100  
111 38.7 27.4 50.8  
148 64.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 58.608 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

Instrument :

MSVOA\_V

ClientSampleId :

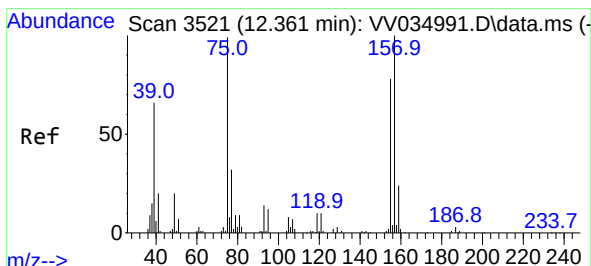
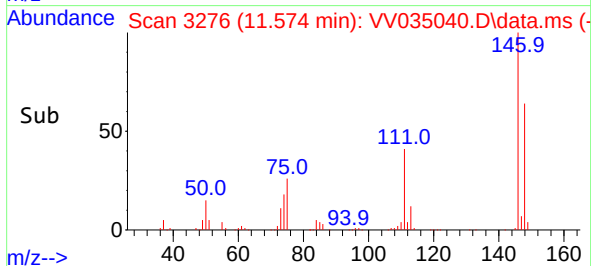
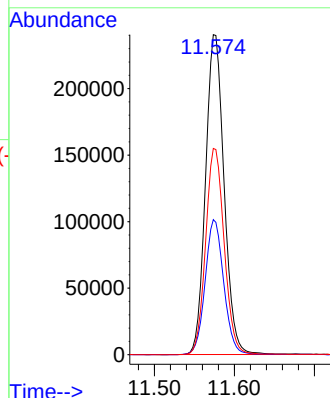
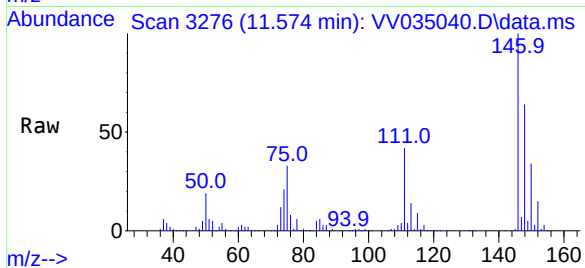
Tgt Ion:146 Resp: 387985

Ion Ratio Lower Upper

146 100

111 42.2 34.6 52.0

148 64.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 53.195 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035040.D

Acq: 08 Apr 2024 08:48

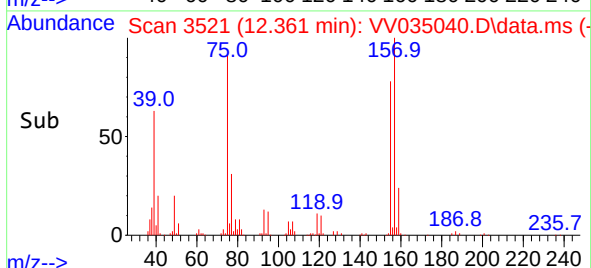
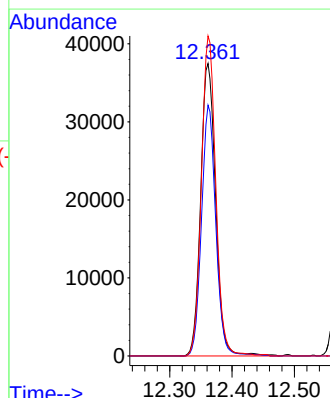
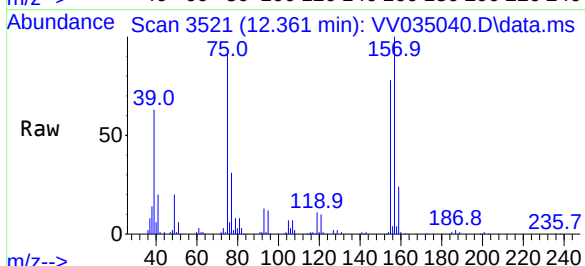
Tgt Ion: 75 Resp: 62641

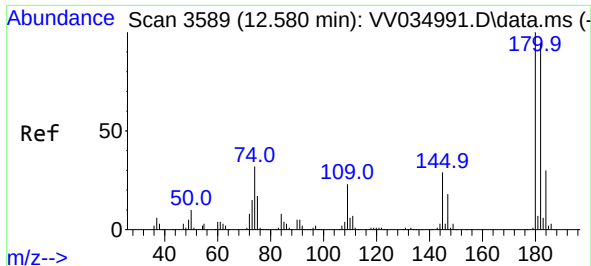
Ion Ratio Lower Upper

75 100

155 85.7 63.0 94.6

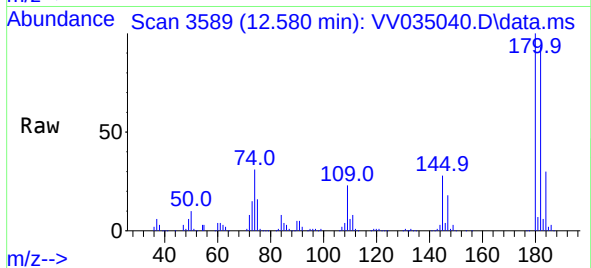
157 109.4 81.0 121.4



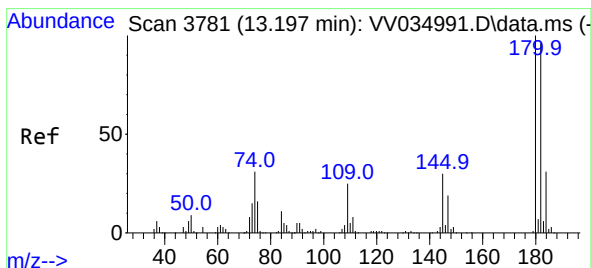
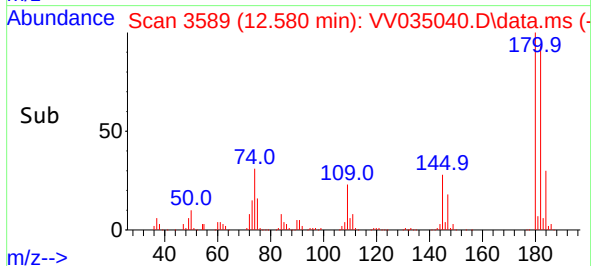
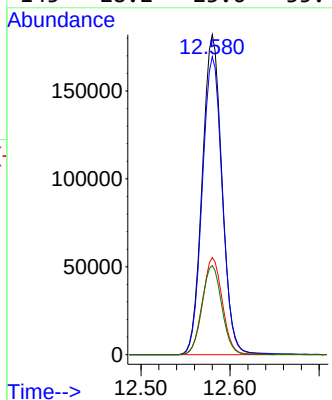


#69  
1,3,5-Trichlorobenzene  
Concen: 58.506 ug/L  
RT: 12.580 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

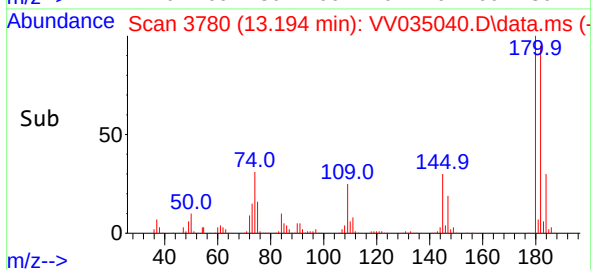
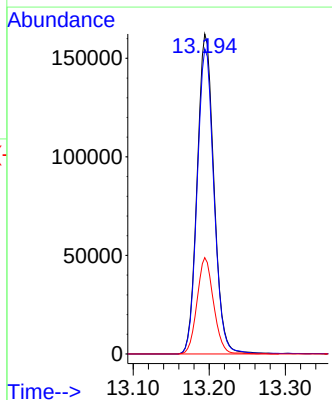
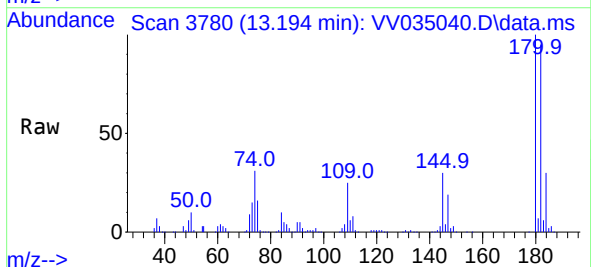


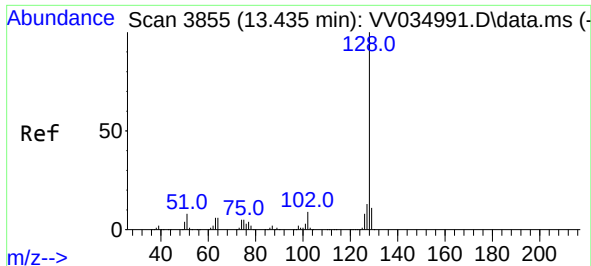
Tgt Ion:180 Resp: 280205  
Ion Ratio Lower Upper  
180 100  
182 94.1 74.7 112.1  
184 30.2 24.0 36.0  
145 28.2 23.6 35.4



#70  
1,2,4-trichlorobenzene  
Concen: 56.387 ug/L  
RT: 13.194 min Scan# 3780  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Tgt Ion:180 Resp: 248068  
Ion Ratio Lower Upper  
180 100  
182 95.4 75.6 113.4  
145 29.5 24.1 36.1

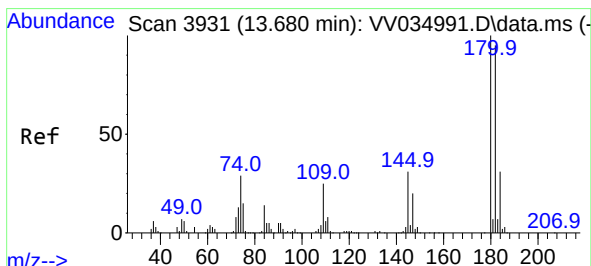
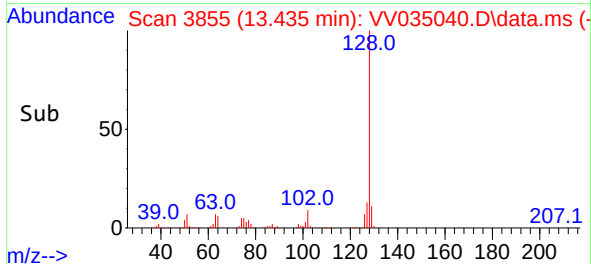
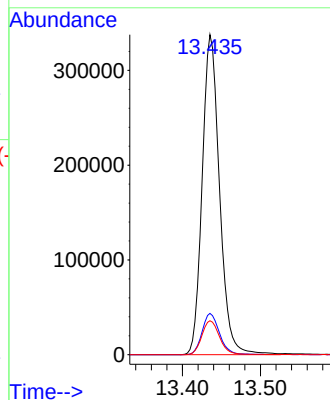
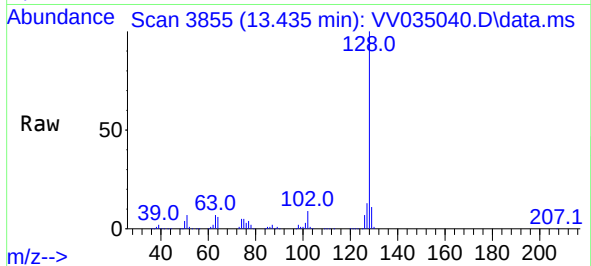




#71  
Naphthalene  
Concen: 42.859 ug/L  
RT: 13.435 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

Instrument :  
MSVOA\_V  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 523121 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.5  | 15.7   |
| 129      | 10.9  | 8.7   | 13.1   |



#72  
1,2,3-Trichlorobenzene  
Concen: 54.213 ug/L  
RT: 13.676 min Scan# 3930  
Delta R.T. -0.003 min  
Lab File: VV035040.D  
Acq: 08 Apr 2024 08:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 235098 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.4  | 76.2  | 114.2  |
| 145      | 30.8  | 25.8  | 38.6   |

