

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051524\  
 Data File : VX041548.D  
 Acq On : 15 May 2024 18:38  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: May 16 05:29:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 16 05:13:13 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|----------|----------|--------|----------|----------|
| -----                        |        |          |          |        |          |          |
| Internal Standards           |        |          |          |        |          |          |
| 1) Bromochloromethane        | 4.904  | 128      | 28946    | 30.000 | ug/l     | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.757  | 114      | 157910   | 30.000 | ug/l     | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117      | 145292   | 30.000 | ug/l     | 0.00     |
|                              |        |          |          |        |          |          |
| System Monitoring Compounds  |        |          |          |        |          |          |
| 27) 1,2-Dichloroethane-d4    | 5.952  | 65       | 66156    | 29.022 | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | =      | 96.733%  |          |
| 60) 4-Bromofluorobenzene     | 11.079 | 95       | 68960    | 30.404 | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | =      | 101.333% |          |
| 63) Toluene-d8               | 8.647  | 98       | 189106   | 30.363 | ug/l     | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | =      | 101.200% |          |
|                              |        |          |          |        |          |          |
| Target Compounds             |        |          |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85       | 28842    | 19.050 | ug/l     | 99       |
| 3) Chloromethane             | 1.294  | 50       | 30895    | 18.635 | ug/l     | 95       |
| 4) Vinyl Chloride            | 1.374  | 62       | 30581    | 17.520 | ug/l     | 96       |
| 5) Bromomethane              | 1.599  | 94       | 20418    | 18.391 | ug/l     | 99       |
| 6) Chloroethane              | 1.666  | 64       | 17683    | 20.037 | ug/l     | 96       |
| 7) Trichlorofluoromethane    | 1.868  | 101      | 50209    | 18.950 | ug/l     | 96       |
| 8) Diethyl Ether             | 2.136  | 74       | 17748    | 17.938 | ug/l     | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319  | 101      | 30487    | 19.843 | ug/l     | 98       |
| 10) 1,1-Dichloroethene       | 2.306  | 96       | 29984    | 20.247 | ug/l     | 97       |
| 11) Methyl Iodide            | 2.441  | 142      | 39241    | 22.247 | ug/l     | 98       |
| 12) Methyl Acetate           | 2.709  | 43       | 43559    | 19.530 | ug/l     | 100      |
| 13) Acrolein                 | 2.239  | 56       | 19500    | 71.815 | ug/l     | 98       |
| 14) Acrylonitrile            | 3.069  | 53       | 92570    | 94.399 | ug/l     | 99       |
| 15) Acetone                  | 2.392  | 58       | 23830    | 90.697 | ug/l     | 92       |
| 16) Carbon Disulfide         | 2.502  | 76       | 61916    | 18.517 | ug/l     | 100      |
| 17) Allyl chloride           | 2.660  | 41       | 49036    | 18.658 | ug/l     | 98       |
| 18) Methylene Chloride       | 2.788  | 84       | 34868    | 19.796 | ug/l     | 95       |
| 19) trans-1,2-Dichloroethene | 3.087  | 96       | 31132    | 18.332 | ug/l     | 99       |
| 20) Diisopropyl ether        | 3.764  | 45       | 103766   | 18.792 | ug/l     | 96       |
| 21) 1,1-Dichloroethane       | 3.605  | 63       | 57691    | 18.615 | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.483  | 96       | 38051    | 18.439 | ug/l     | 98       |
| 23) tert-Butyl Alcohol       | 3.001  | 59       | 37024    | 88.969 | ug/l #   | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117  | 73       | 102628   | 18.562 | ug/l     | 99       |
| 25) Chloroform               | 5.086  | 83       | 61847    | 18.733 | ug/l     | 95       |
| 26) Cyclohexane              | 5.464  | 56       | 47167    | 18.251 | ug/l #   | 99       |
| 29) 1,1-Dichloropropene      | 5.690  | 75       | 38789    | 18.570 | ug/l     | 97       |
| 30) 2-Butanone               | 4.568  | 43       | 132562   | 95.610 | ug/l     | 99       |
| 31) 2,2-Dichloropropane      | 4.471  | 77       | 43186    | 17.616 | ug/l     | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97       | 53404    | 19.054 | ug/l     | 99       |
| 33) Carbon Tetrachloride     | 5.678  | 117      | 44913    | 18.728 | ug/l     | 97       |
| 34) Benzene                  | 6.038  | 78       | 128669   | 19.504 | ug/l     | 99       |
| 35) Methacrylonitrile        | 4.928  | 41       | 27603    | 19.736 | ug/l     | 98       |
| 36) 1,2-Dichloroethane       | 6.086  | 62       | 48214    | 19.585 | ug/l     | 99       |
| 37) Trichloroethene          | 7.123  | 130      | 34678    | 18.867 | ug/l     | 100      |
| 38) Methylcyclohexane        | 7.379  | 83       | 48468    | 18.274 | ug/l     | 100      |
| 39) 1,2-Dichloropropane      | 7.428  | 63       | 29753    | 19.079 | ug/l     | 95       |
| 40) Dibromomethane           | 7.580  | 93       | 23566    | 19.201 | ug/l     | 99       |
| 41) Bromodichloromethane     | 7.818  | 83       | 43162    | 18.732 | ug/l     | 96       |
| 42) Vinyl Acetate            | 3.721  | 43       | 466319   | 96.938 | ug/l     | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051524\  
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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

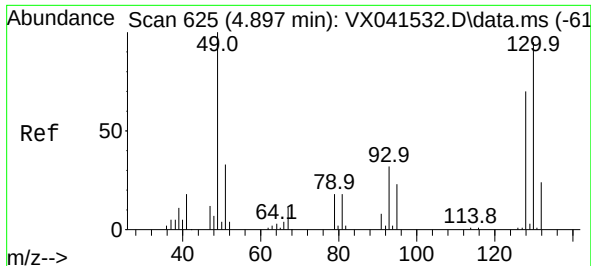
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: May 16 05:29:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 16 05:13:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 48357    | 18.076  | ug/l  | 96       |
| 44) Isopropyl Acetate         | 6.342  | 43   | 77714    | 19.217  | ug/l  | 99       |
| 45) 1,4-Dioxane               | 7.665  | 88   | 15278    | 334.998 | ug/l  | 92       |
| 46) Methyl methacrylate       | 7.696  | 41   | 39153    | 19.459  | ug/l  | 99       |
| 47) n-amyl Acetate            | 10.842 | 43   | 68376    | 18.645  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 41414    | 17.898  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 45604    | 18.196  | ug/l  | 96       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 33214    | 19.454  | ug/l  | 99       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 51575    | 18.767  | ug/l  | 98       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 55034    | 19.507  | ug/l  | 99       |
| 53) Dibromochloromethane      | 9.519  | 129  | 35285    | 18.164  | ug/l  | 99       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 35058    | 19.364  | ug/l  | 98       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 118184   | 88.106  | ug/l  | 99       |
| 56) Bromoform                 | 10.799 | 173  | 27935    | 17.949  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 268109   | 100.994 | ug/l  | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 205154   | 97.006  | ug/l  | 99       |
| 61) Tetrachloroethene         | 9.275  | 164  | 33992    | 19.122  | ug/l  | 92       |
| 62) Toluene                   | 8.720  | 91   | 140439   | 19.426  | ug/l  | 100      |
| 64) Chlorobenzene             | 10.079 | 112  | 96097    | 19.569  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 33019    | 18.997  | ug/l  | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 156937   | 19.549  | ug/l  | 99       |
| 67) m/p-Xylenes               | 10.299 | 106  | 123421   | 39.316  | ug/l  | 98       |
| 68) o-Xylene                  | 10.640 | 106  | 60908    | 19.275  | ug/l  | 100      |
| 69) Styrene                   | 10.653 | 104  | 101491   | 19.156  | ug/l  | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 159161   | 19.933  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 55110    | 20.091  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 58542    | 23.666  | ug/l  | 88       |
| 73) Bromobenzene              | 11.195 | 156  | 45561    | 19.419  | ug/l  | 99       |
| 74) n-propylbenzene           | 11.305 | 91   | 173951   | 19.320  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 110935   | 19.621  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 133112   | 19.531  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 13210    | 16.990  | ug/l  | 93       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 124100   | 19.271  | ug/l  | 99       |
| 79) tert-butylbenzene         | 11.713 | 119  | 134804   | 18.584  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 126028   | 18.449  | ug/l  | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 163498   | 19.289  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 142189   | 19.163  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 78836    | 18.736  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 80345    | 18.897  | ug/l  | 99       |
| 85) n-Butylbenzene            | 12.329 | 91   | 107907   | 18.073  | ug/l  | 99       |
| 86) Hexachloroethane          | 12.536 | 117  | 20822    | 16.668  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 82305    | 19.164  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 11552    | 19.177  | ug/l  | 98       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 52638    | 18.241  | ug/l  | 98       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 26514    | 18.833  | ug/l  | 99       |
| 91) Naphthalene               | 13.774 | 128  | 166847   | 19.345  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 56968    | 19.322  | ug/l  | 99       |

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

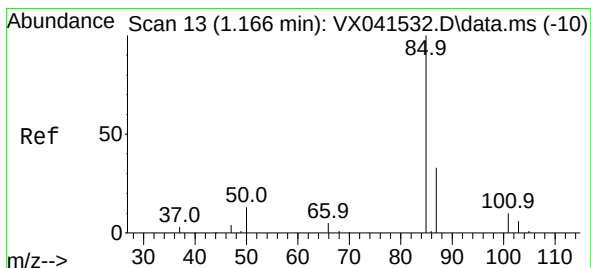
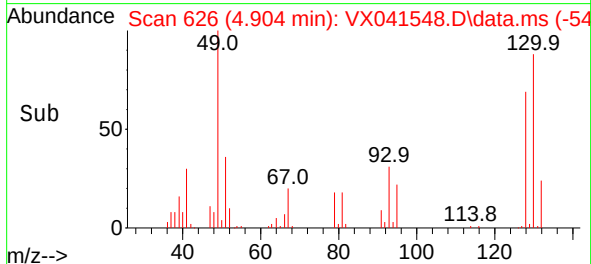
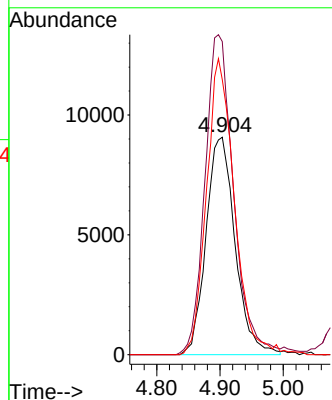
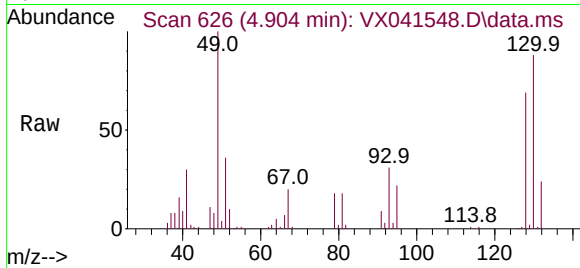




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

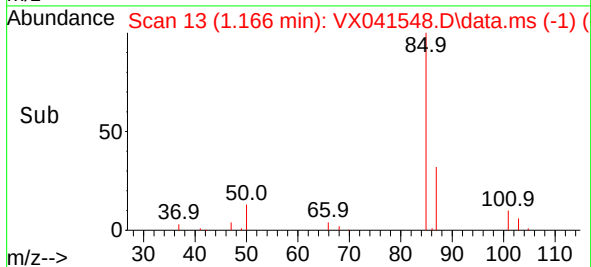
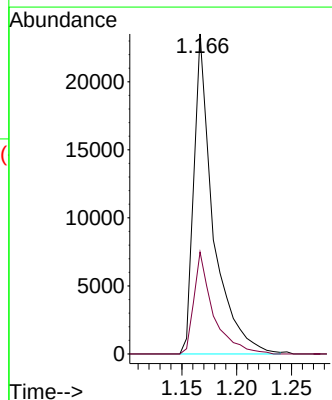
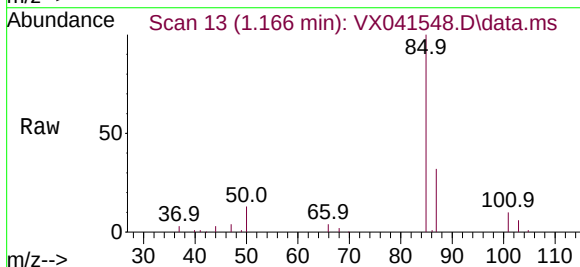
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

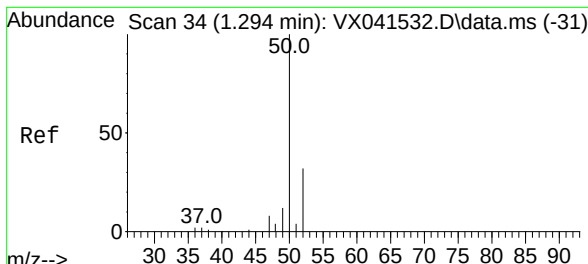
Tgt Ion:128 Resp: 28946  
Ion Ratio Lower Upper  
128 100  
49 144.8 0.0 361.5  
130 129.6 0.0 324.3



#2  
Dichlorodifluoromethane  
Concen: 19.050 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 85 Resp: 28842  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.4 49.1

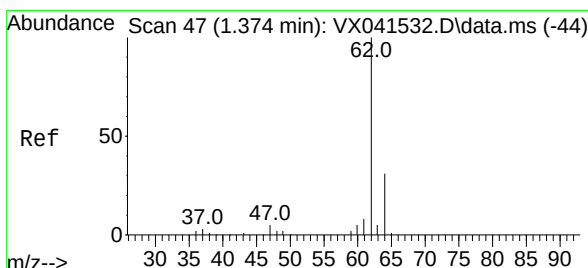
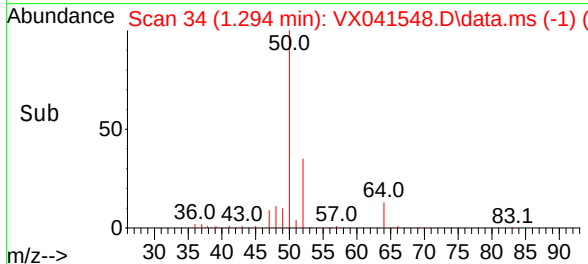
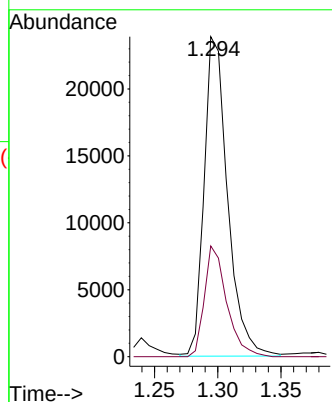
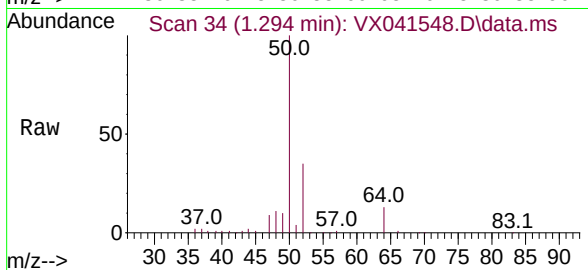




#3  
Chloromethane  
Concen: 18.635 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

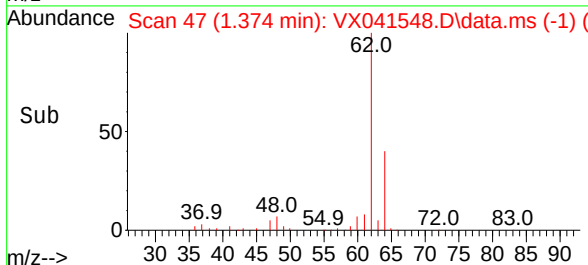
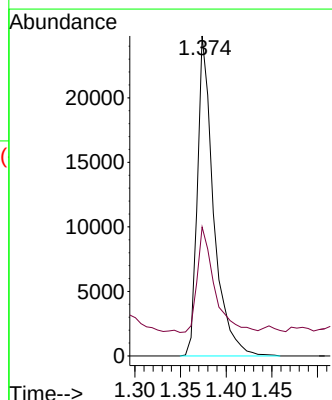
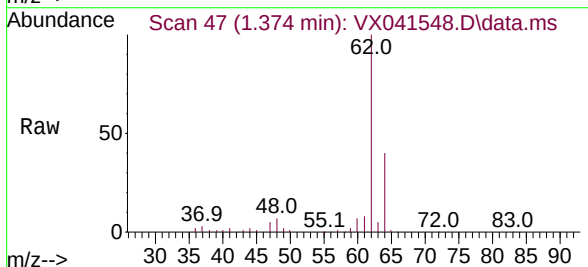
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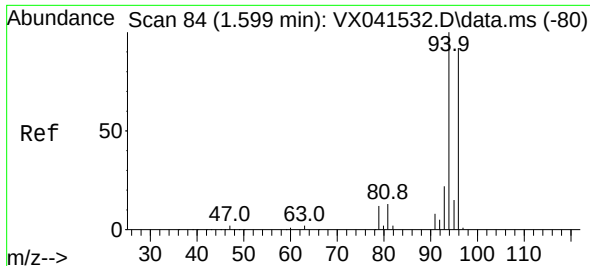
Tgt Ion: 50 Resp: 30895  
Ion Ratio Lower Upper  
50 100  
52 34.9 25.8 38.8



#4  
Vinyl Chloride  
Concen: 17.520 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 62 Resp: 30581  
Ion Ratio Lower Upper  
62 100  
64 32.9 24.6 37.0

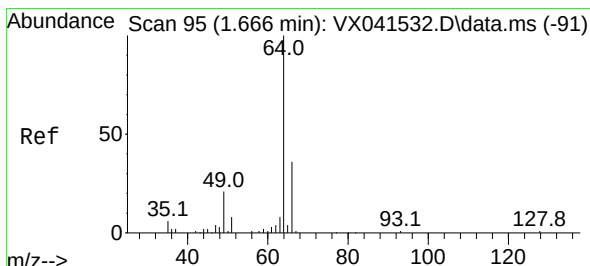
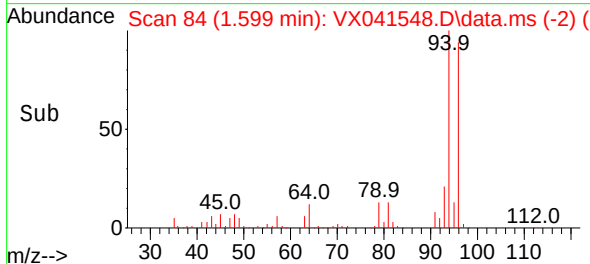
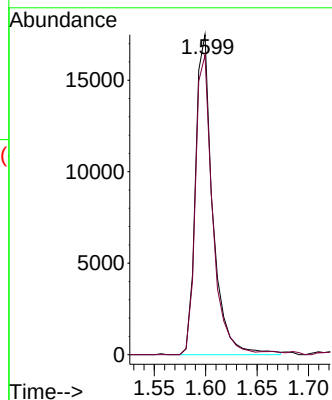
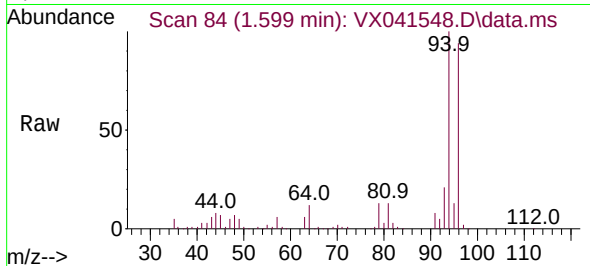




#5  
Bromomethane  
Concen: 18.391 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

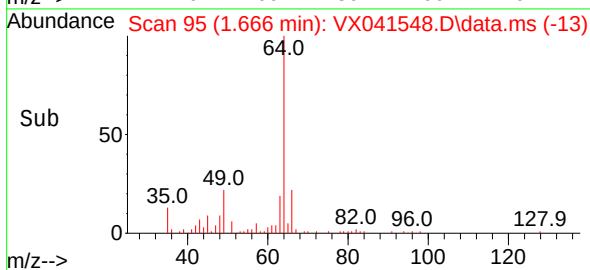
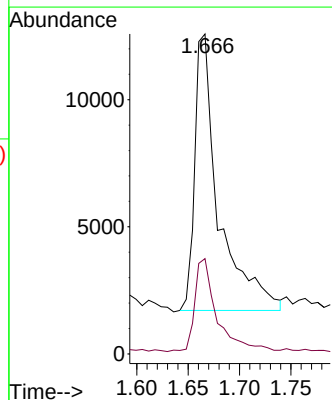
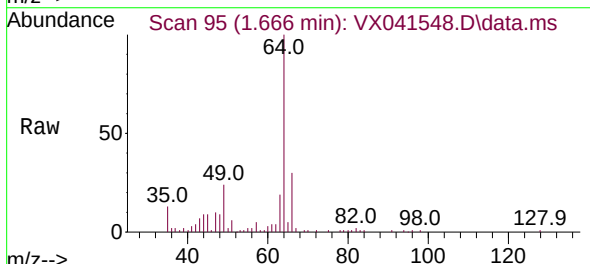
Instrument :  
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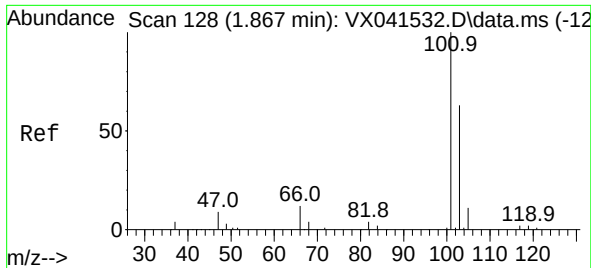
Tgt Ion: 94 Resp: 20418  
Ion Ratio Lower Upper  
94 100  
96 93.6 73.9 110.9



#6  
Chloroethane  
Concen: 20.037 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 64 Resp: 17683  
Ion Ratio Lower Upper  
64 100  
66 33.2 28.6 42.8

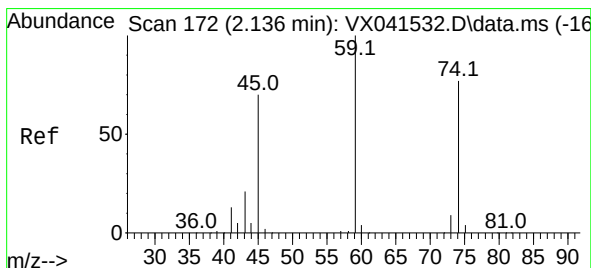
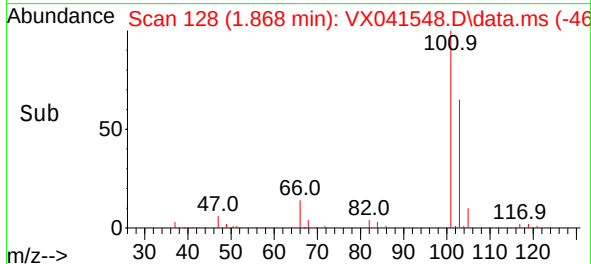
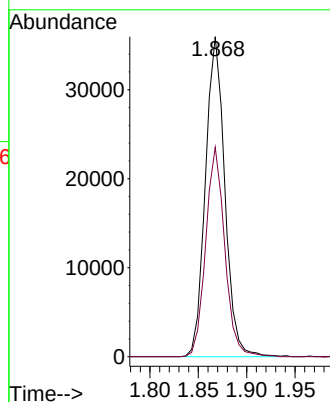
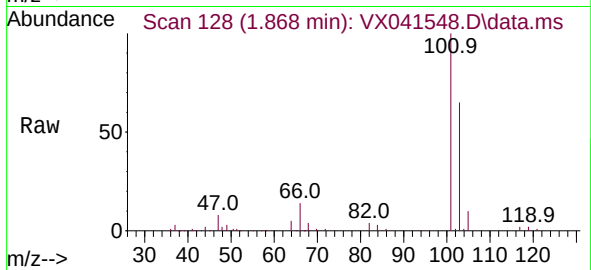




#7  
Trichlorofluoromethane  
Concen: 18.950 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

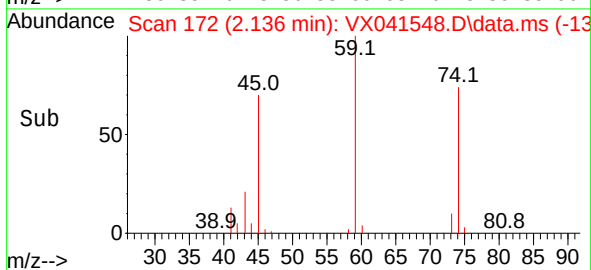
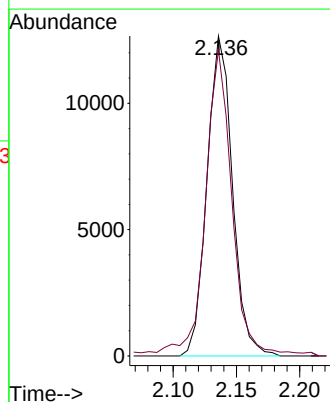
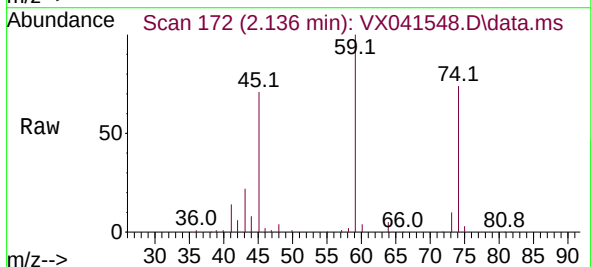
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

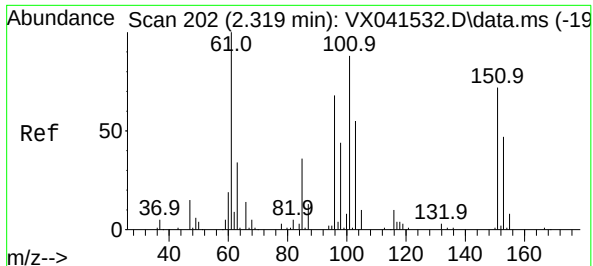
Tgt Ion:101 Resp: 50209  
Ion Ratio Lower Upper  
101 100  
103 65.4 50.1 75.1



#8  
Diethyl Ether  
Concen: 17.938 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 74 Resp: 17748  
Ion Ratio Lower Upper  
74 100  
45 97.6 18.6 167.4

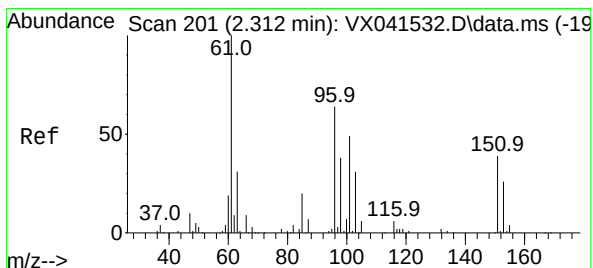
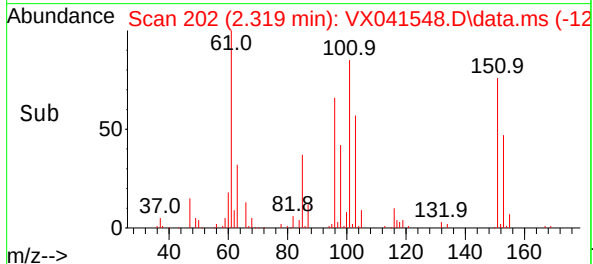
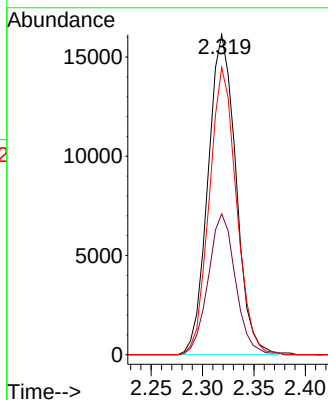
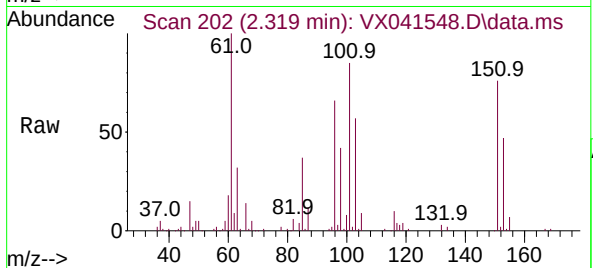




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.843 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

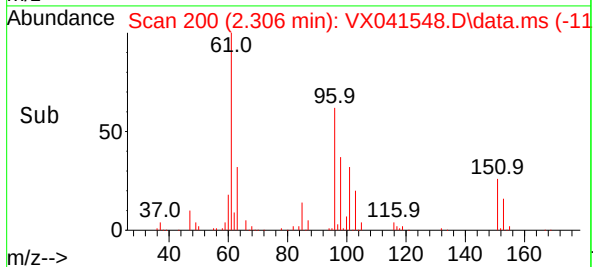
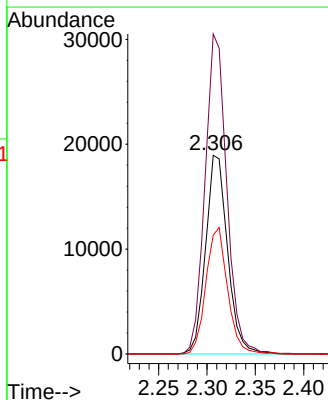
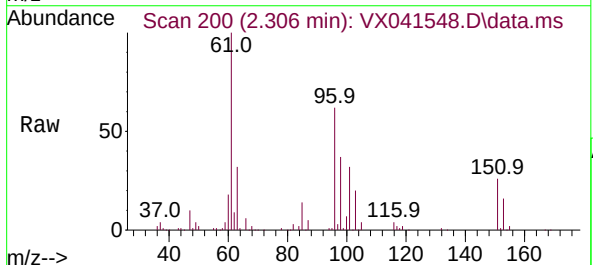
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 30487  
Ion Ratio Lower Upper  
101 100  
85 42.8 0.0 84.6  
151 86.9 0.0 170.2

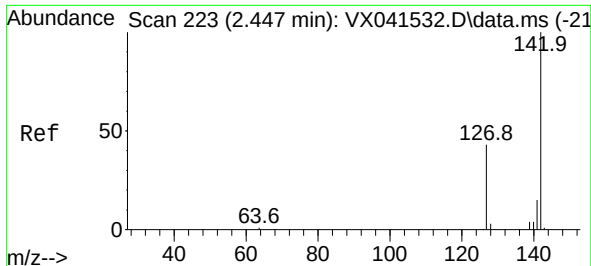


#10  
1,1-Dichloroethene  
Concen: 20.247 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 96 Resp: 29984  
Ion Ratio Lower Upper  
96 100  
61 161.0 124.5 186.7  
98 59.8 47.9 71.9



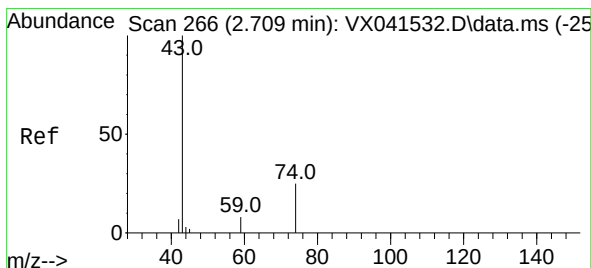
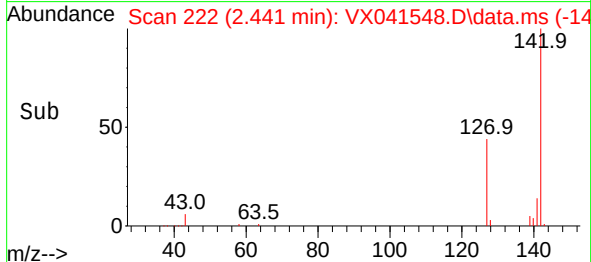
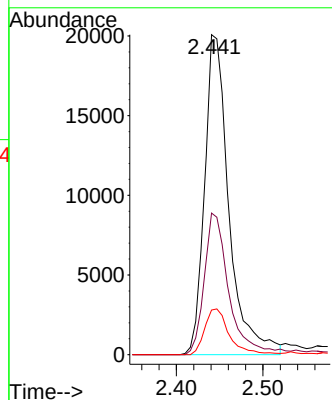
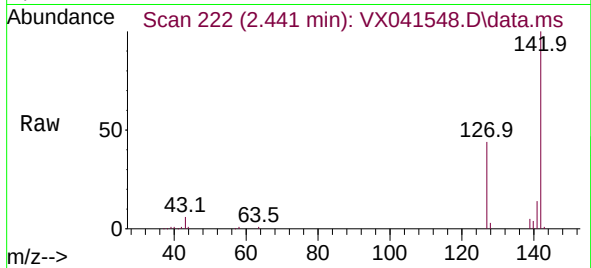




#11  
Methyl Iodide  
Concen: 22.247 ug/l  
RT: 2.441 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

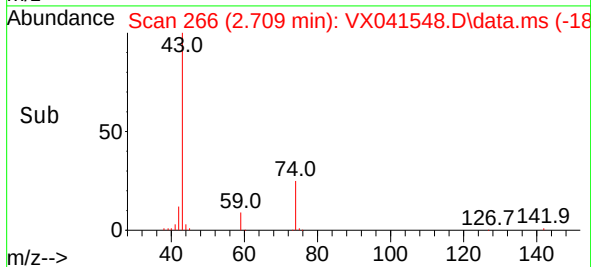
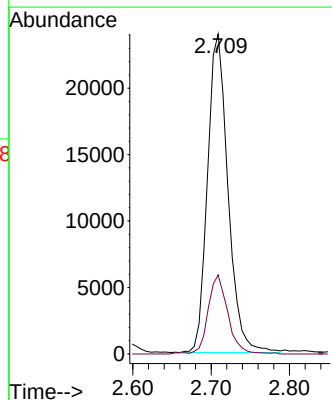
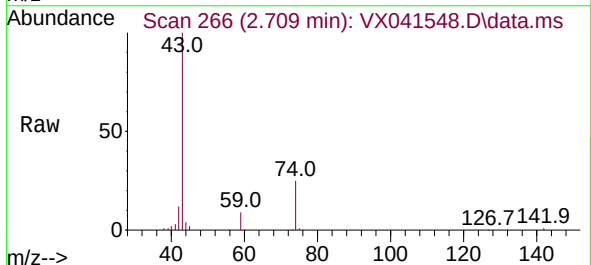
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

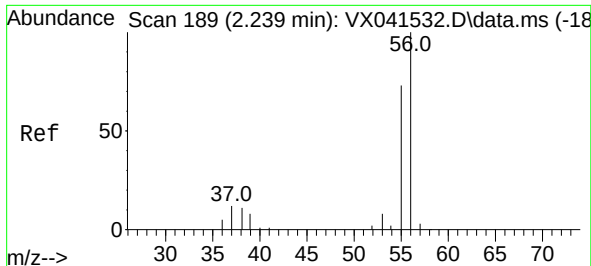
Tgt Ion:142 Resp: 39241  
Ion Ratio Lower Upper  
142 100  
127 44.1 21.4 64.2  
141 13.9 7.6 22.8



#12  
Methyl Acetate  
Concen: 19.530 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 43 Resp: 43559  
Ion Ratio Lower Upper  
43 100  
74 24.7 19.9 29.9





#13

Acrolein

Concen: 71.815 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

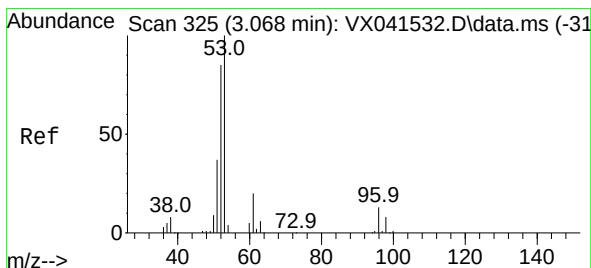
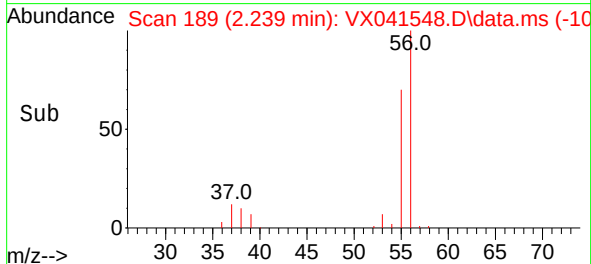
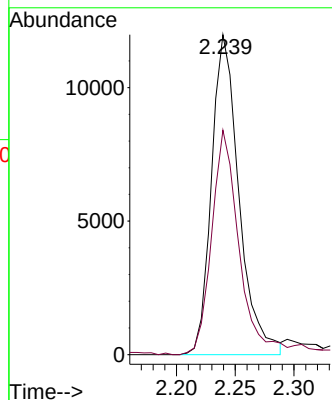
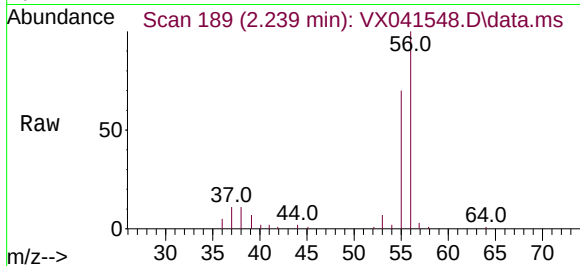
VSTDCCC020EC

Tgt Ion: 56 Resp: 19500

Ion Ratio Lower Upper

56 100

55 67.4 55.1 82.7



#14

Acrylonitrile

Concen: 94.399 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

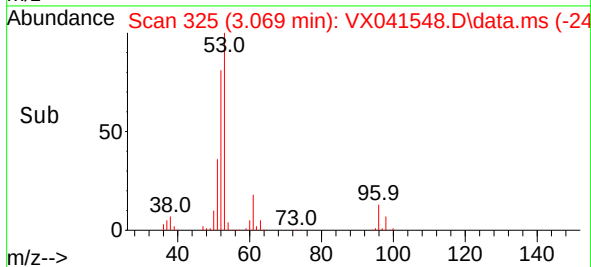
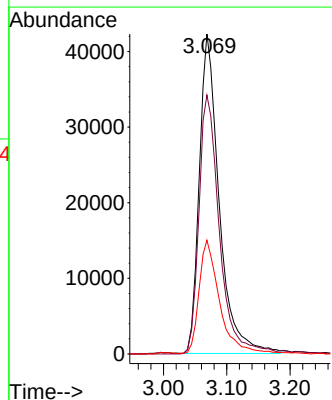
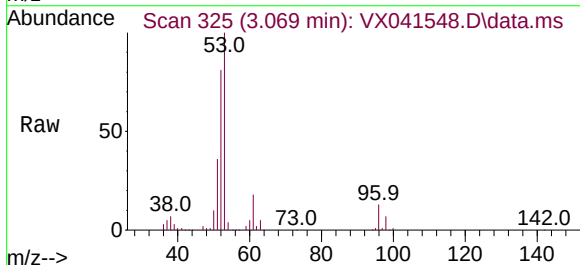
Tgt Ion: 53 Resp: 92570

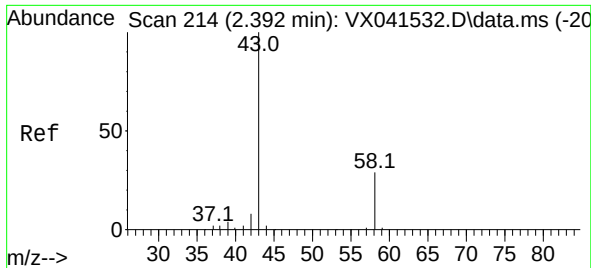
Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

51 36.4 18.4 55.0

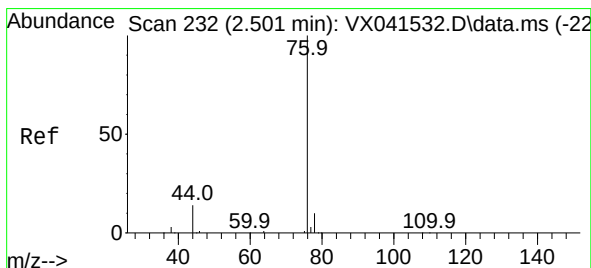
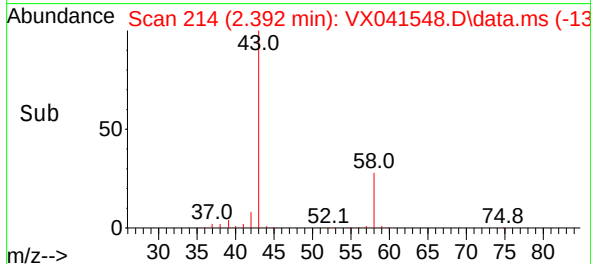
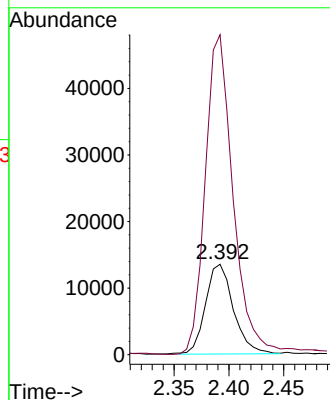
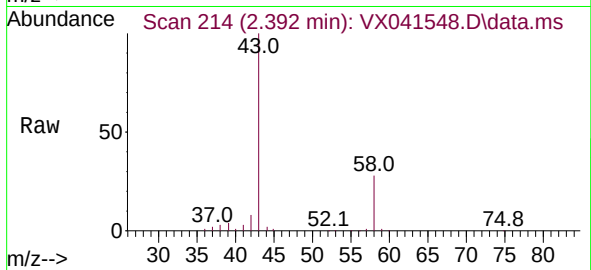




#15  
Acetone  
Concen: 90.697 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

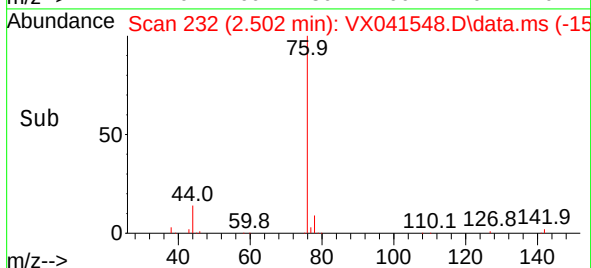
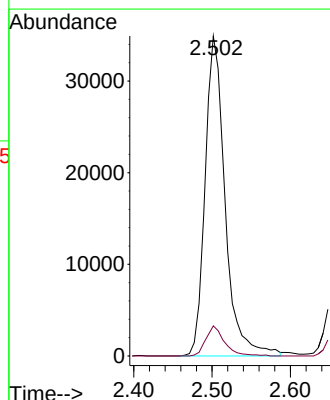
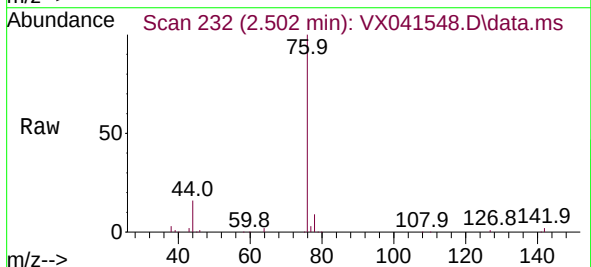
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

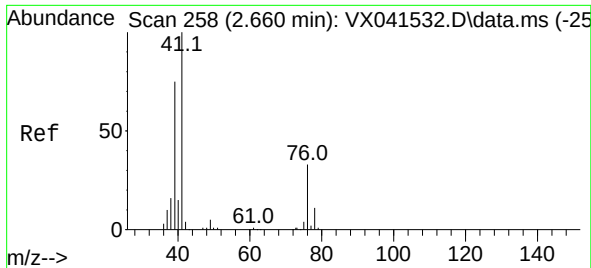
Tgt Ion: 58 Resp: 23830  
Ion Ratio Lower Upper  
58 100  
43 359.1 274.0 411.0



#16  
Carbon Disulfide  
Concen: 18.517 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 76 Resp: 61916  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.6 11.4

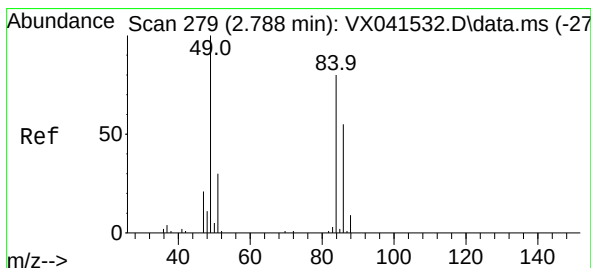
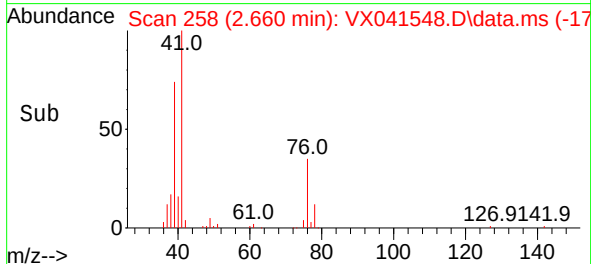
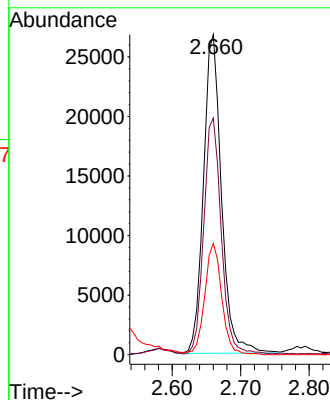
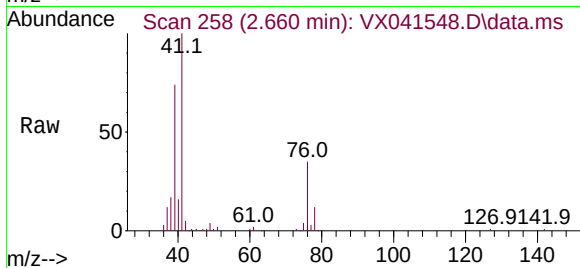




#17  
 Allyl chloride  
 Concen: 18.658 ug/l  
 RT: 2.660 min Scan# 258  
 Delta R.T. 0.000 min  
 Lab File: VX041548.D  
 Acq: 15 May 2024 18:38

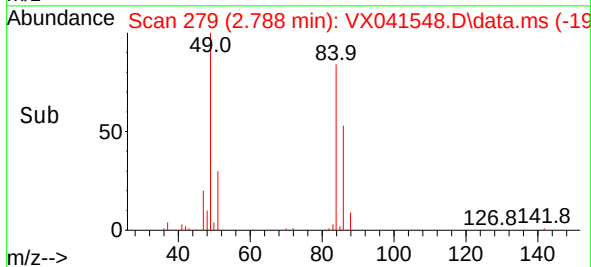
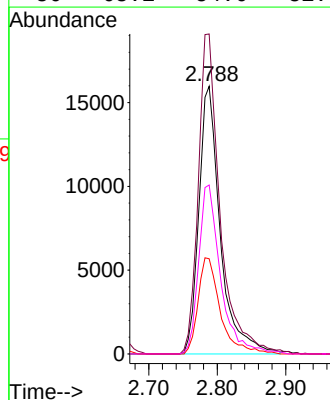
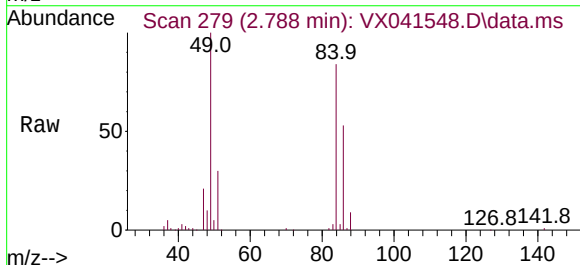
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

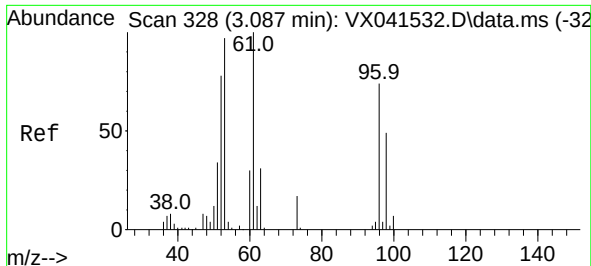
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 49036 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 73.9  | 37.5  | 112.7 |
| 76       | 34.9  | 16.6  | 49.8  |



#18  
 Methylene Chloride  
 Concen: 19.796 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VX041548.D  
 Acq: 15 May 2024 18:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 34868 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 119.5 | 99.8  | 149.8 |
| 51       | 35.6  | 30.2  | 45.4  |
| 86       | 63.1  | 54.6  | 81.8  |





#19

trans-1,2-Dichloroethene

Concen: 18.332 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

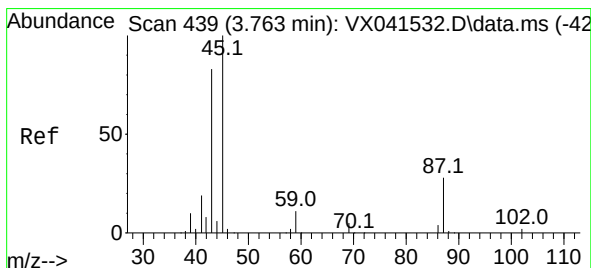
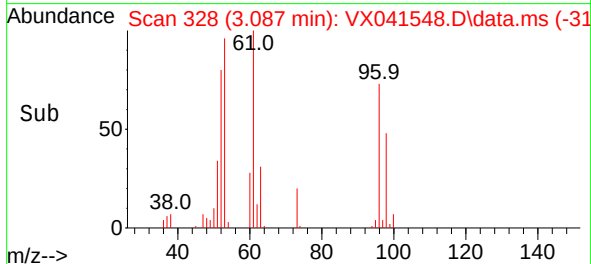
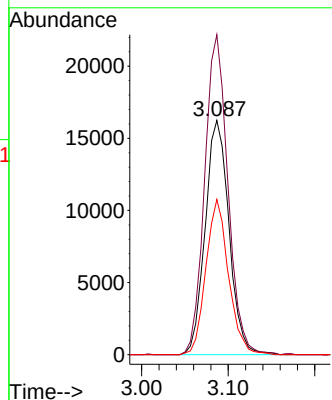
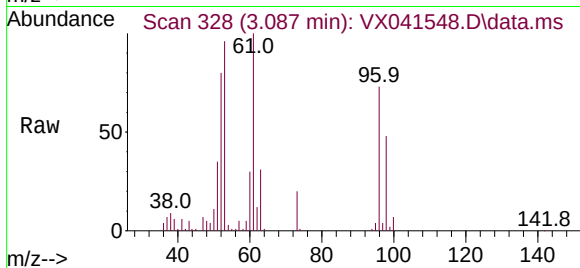
Tgt Ion: 96 Resp: 31132

Ion Ratio Lower Upper

96 100

61 136.6 107.7 161.5

98 66.3 53.1 79.7



#20

Diisopropyl ether

Concen: 18.792 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Tgt Ion: 45 Resp: 103766

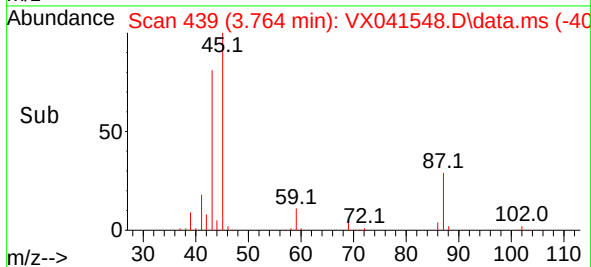
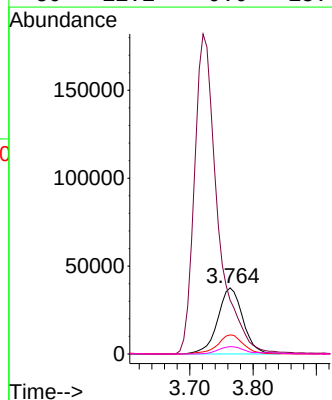
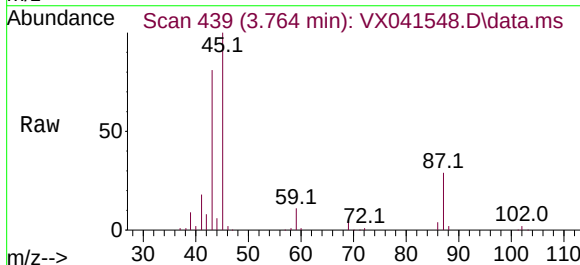
Ion Ratio Lower Upper

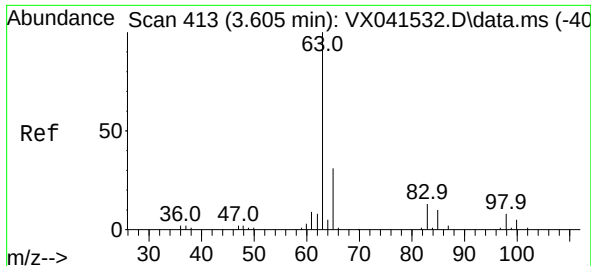
45 100

43 78.7 66.7 100.1

87 28.8 22.4 33.6

59 11.1 9.0 13.4





#21

1,1-Dichloroethane

Concen: 18.615 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

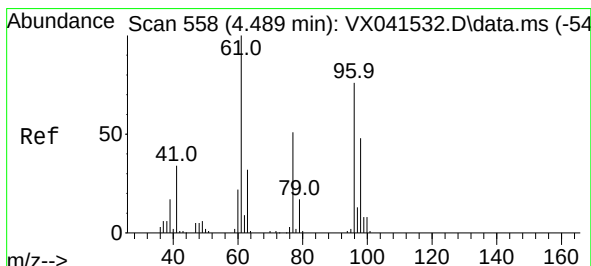
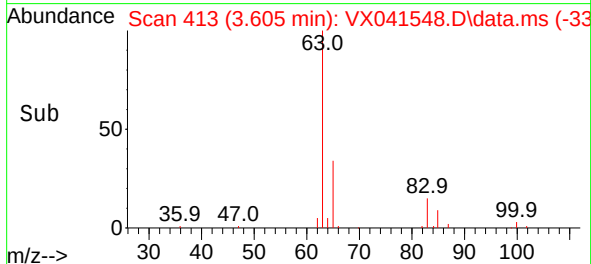
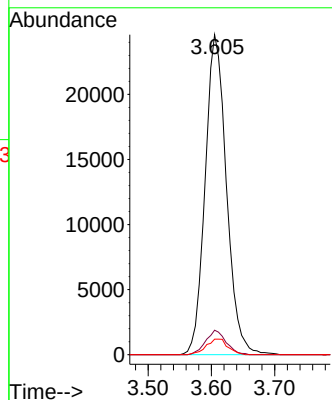
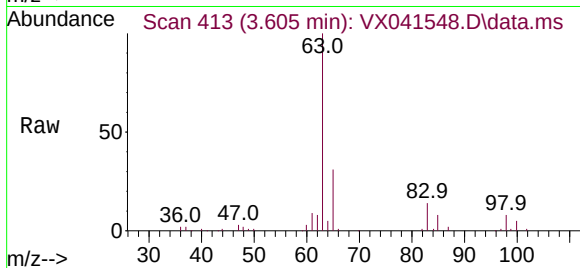
Tgt Ion: 63 Resp: 57691

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 4.9 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 18.439 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

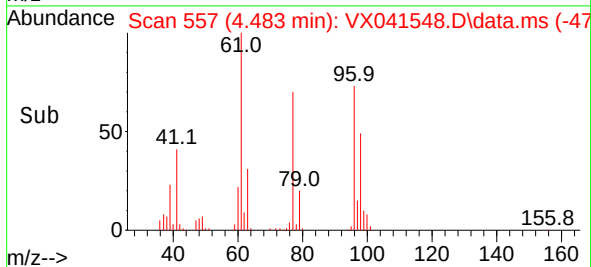
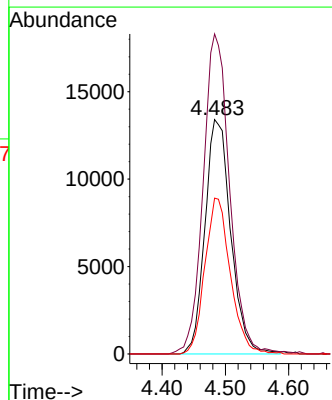
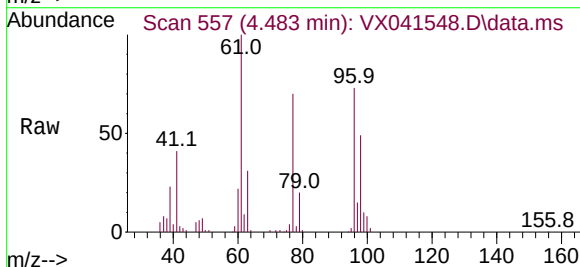
Tgt Ion: 96 Resp: 38051

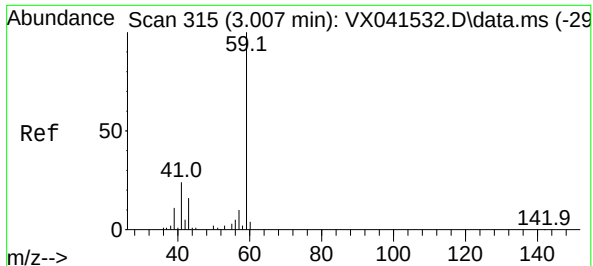
Ion Ratio Lower Upper

96 100

61 138.9 114.2 171.4

98 65.6 52.6 79.0





#23

tert-Butyl Alcohol

Concen: 88.969 ug/l

RT: 3.001 min Scan# 315

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

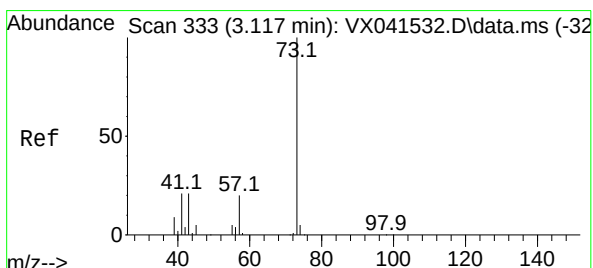
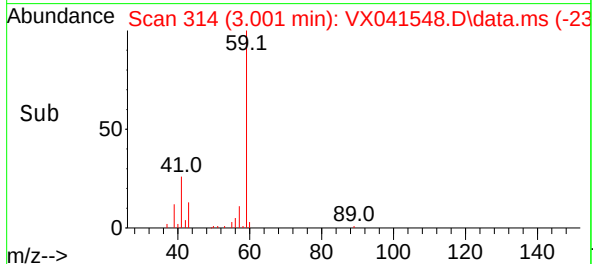
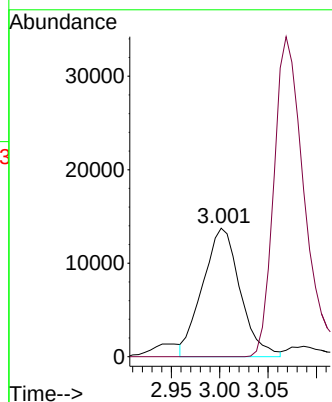
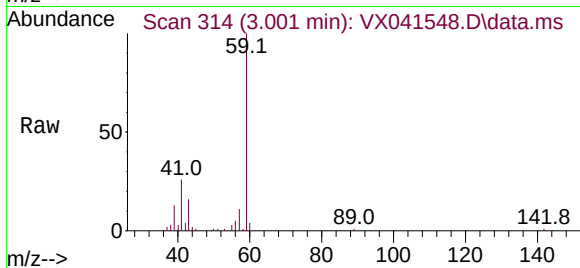
VSTDCCC020EC

Tgt Ion: 59 Resp: 37024

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 18.562 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX041548.D

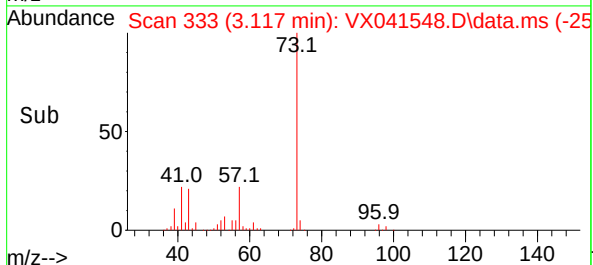
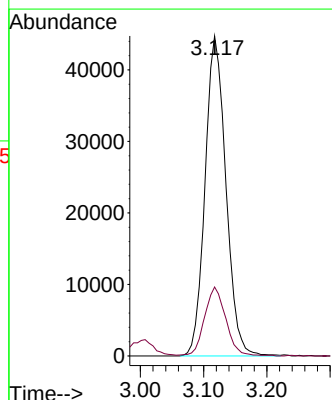
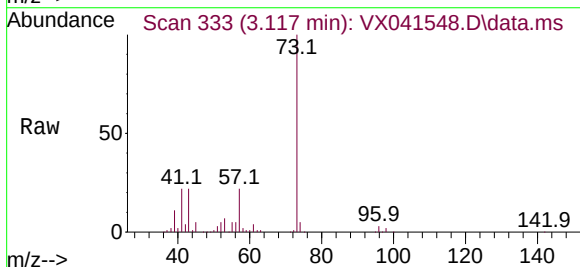
Acq: 15 May 2024 18:38

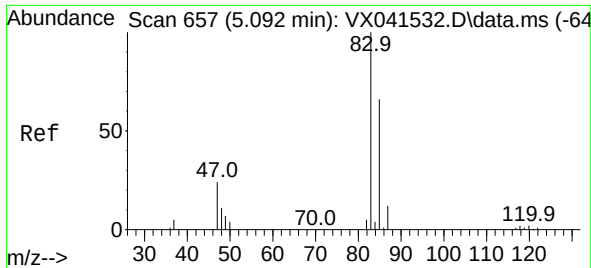
Tgt Ion: 73 Resp: 102628

Ion Ratio Lower Upper

73 100

43 21.8 17.2 25.8





#25

Chloroform

Concen: 18.733 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

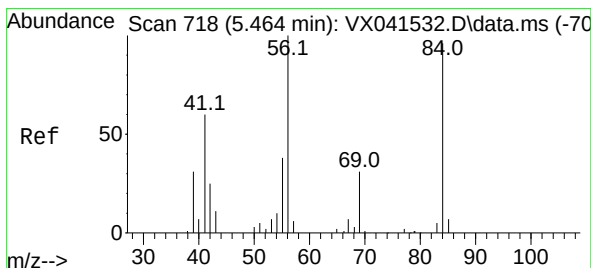
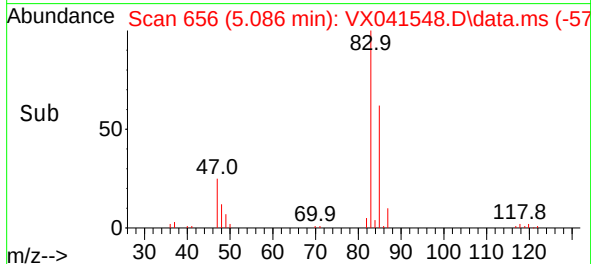
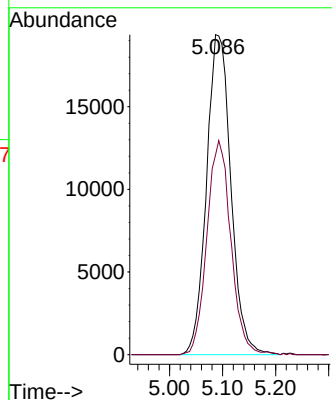
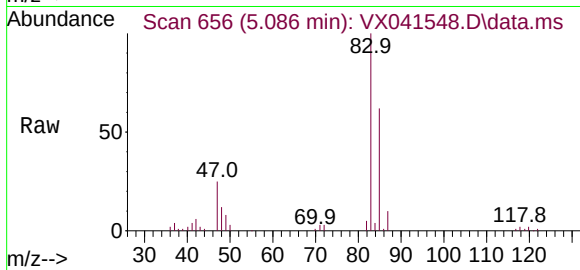
VSTDCCC020EC

Tgt Ion: 83 Resp: 61847

Ion Ratio Lower Upper

83 100

85 62.5 52.9 79.3



#26

Cyclohexane

Concen: 18.251 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

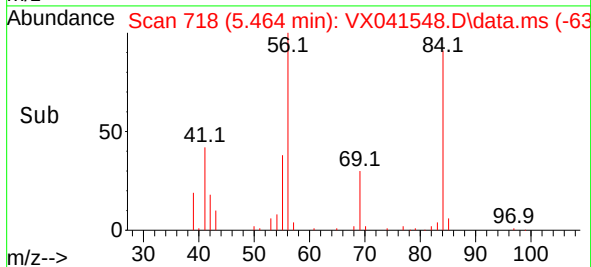
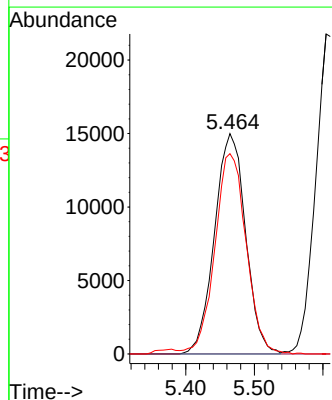
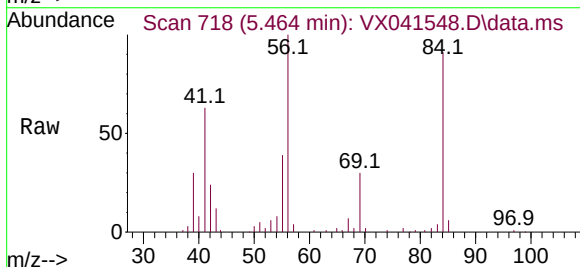
Tgt Ion: 56 Resp: 47167

Ion Ratio Lower Upper

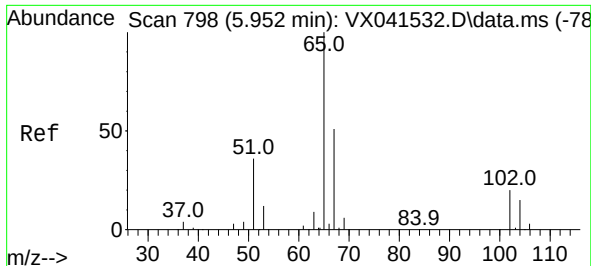
56 100

89 0.0 0.0 0.0

84 91.7 74.0 111.0



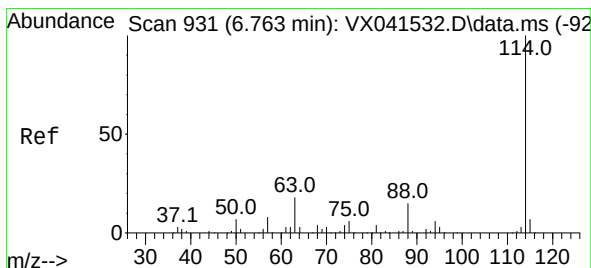
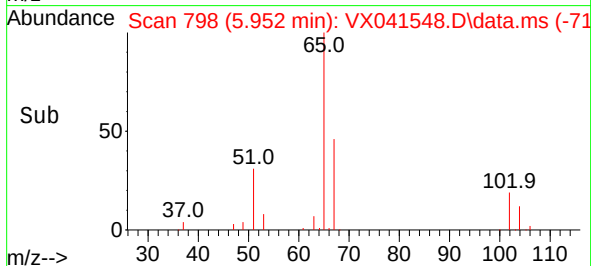
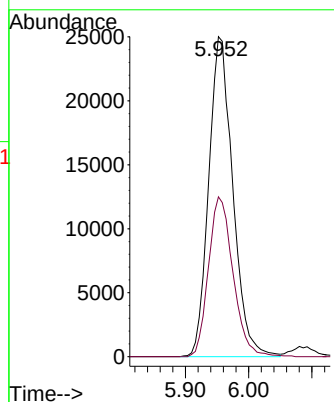
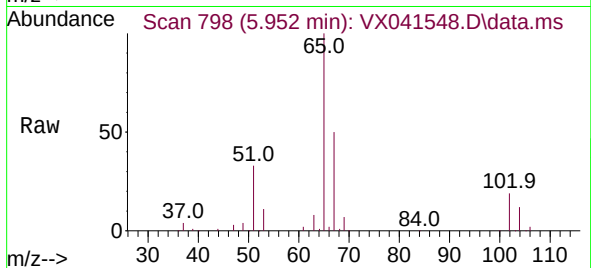




#27  
1,2-Dichloroethane-d4  
Concen: 29.022 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

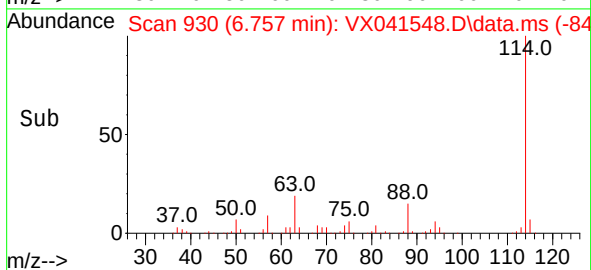
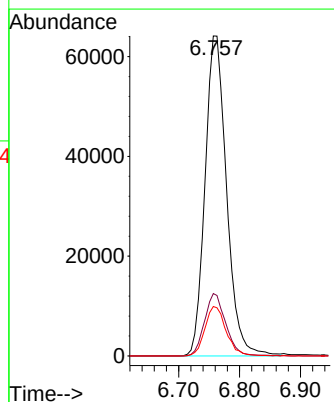
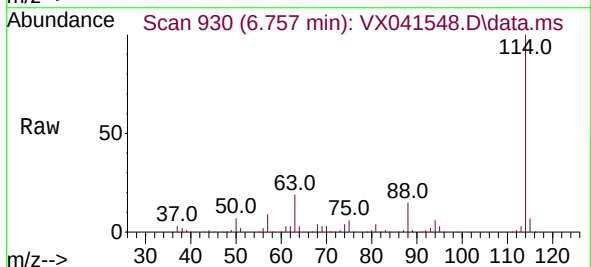
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

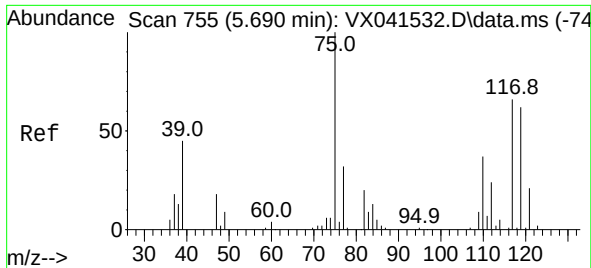
Tgt Ion: 65 Resp: 66156  
Ion Ratio Lower Upper  
65 100  
67 50.9 40.8 61.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 114 Resp: 157910  
Ion Ratio Lower Upper  
114 100  
63 19.0 15.4 23.0  
88 15.2 12.2 18.2

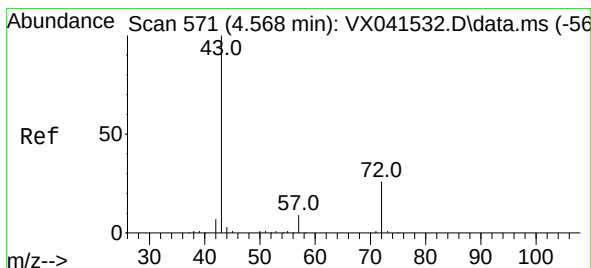
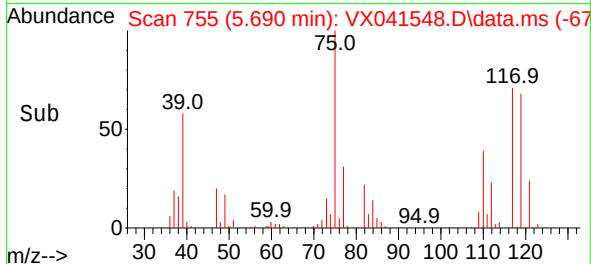
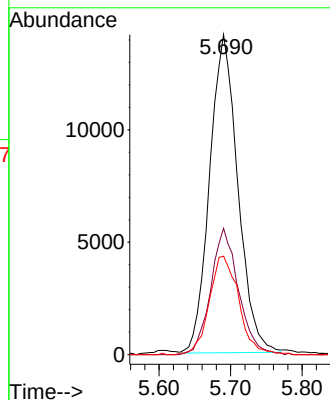
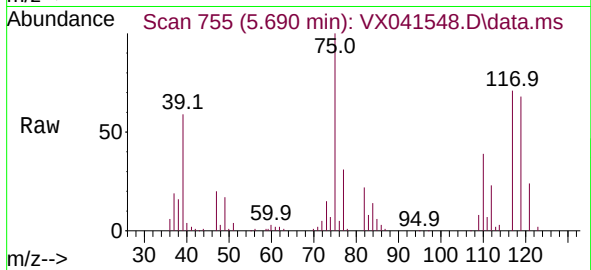




#29  
1,1-Dichloropropene  
Concen: 18.570 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

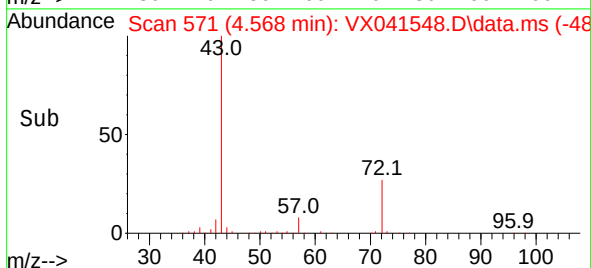
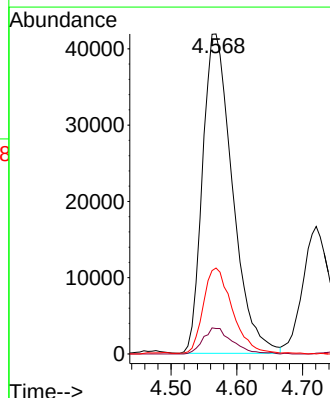
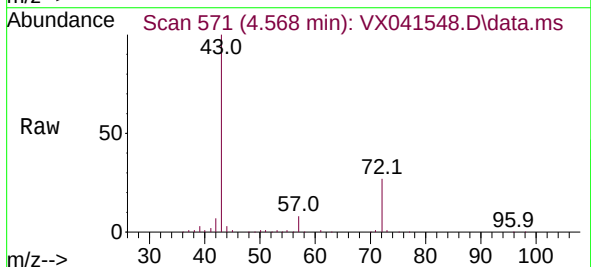
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

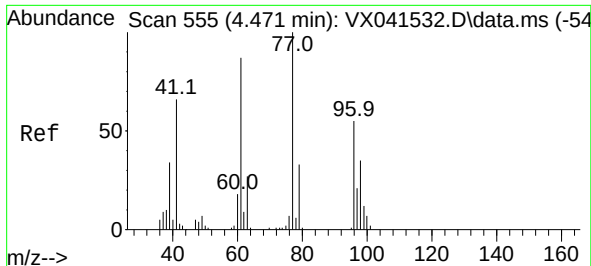
Tgt Ion: 75 Resp: 38789  
Ion Ratio Lower Upper  
75 100  
110 39.0 0.0 74.4  
77 32.4 0.0 62.6



#30  
2-Butanone  
Concen: 95.610 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 43 Resp: 132562  
Ion Ratio Lower Upper  
43 100  
57 7.8 6.6 10.0  
72 26.3 20.7 31.1

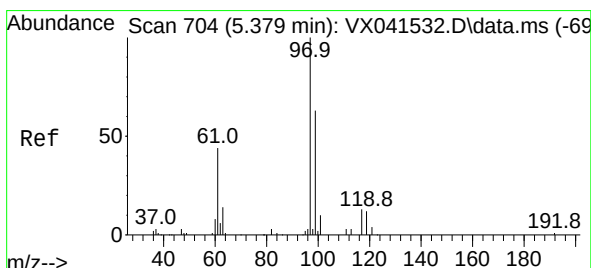
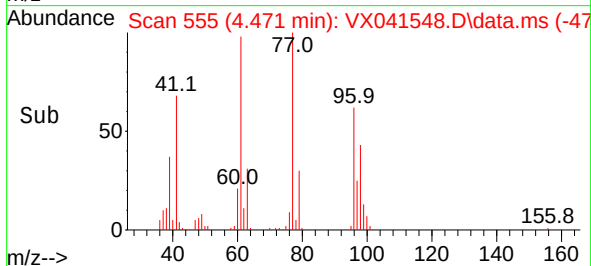
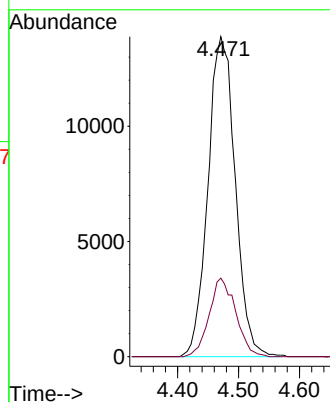
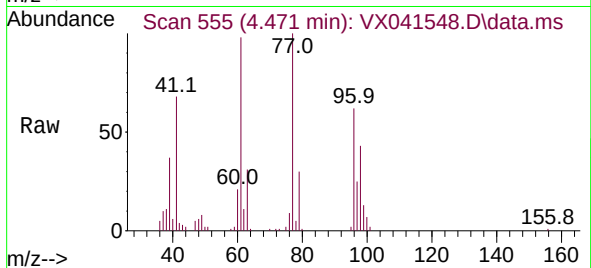




#31  
2,2-Dichloropropane  
Concen: 17.616 ug/l  
RT: 4.471 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

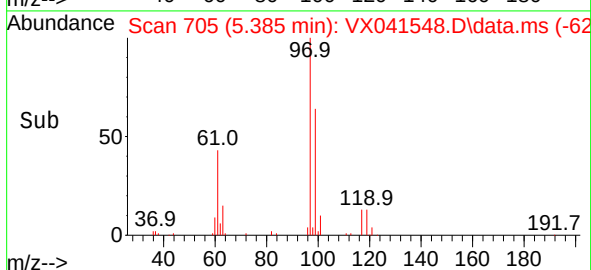
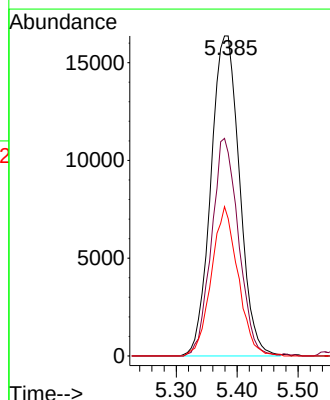
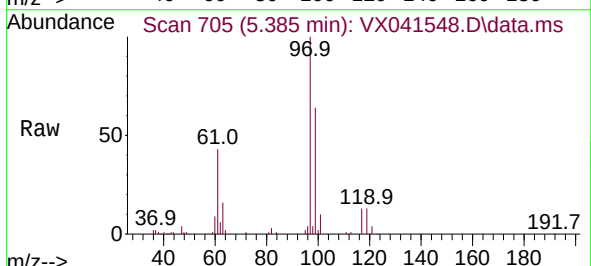
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

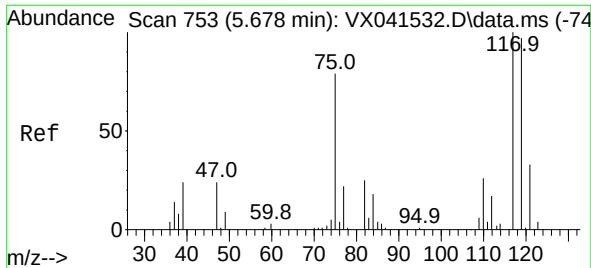
Tgt Ion: 77 Resp: 43186  
Ion Ratio Lower Upper  
77 100  
97 23.9 18.0 27.0



#32  
1,1,1-Trichloroethane  
Concen: 19.054 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 97 Resp: 53404  
Ion Ratio Lower Upper  
97 100  
99 64.0 50.7 76.1  
61 43.4 34.6 51.8

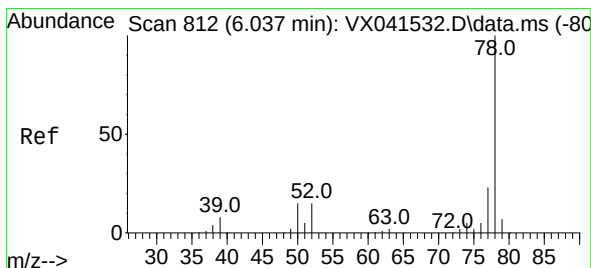
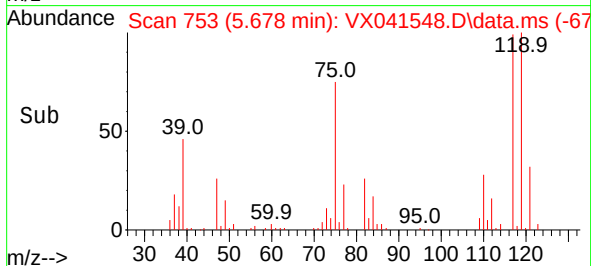
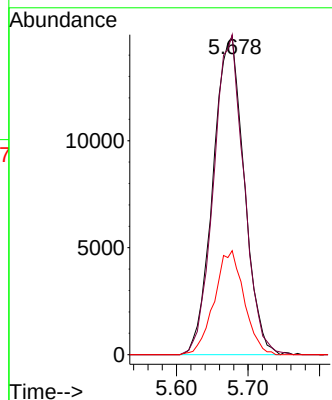
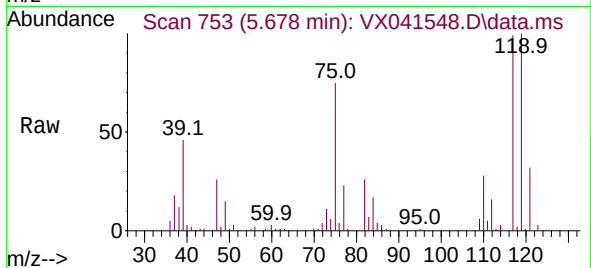




#33  
Carbon Tetrachloride  
Concen: 18.728 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

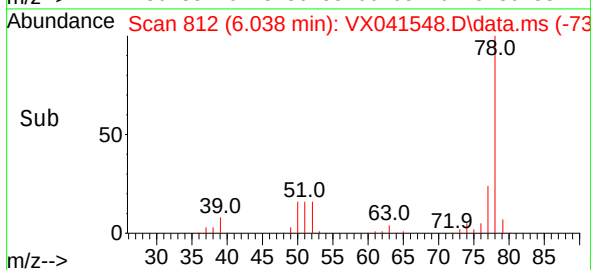
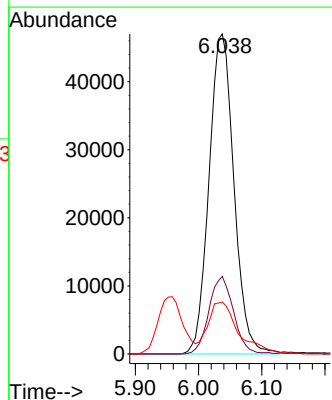
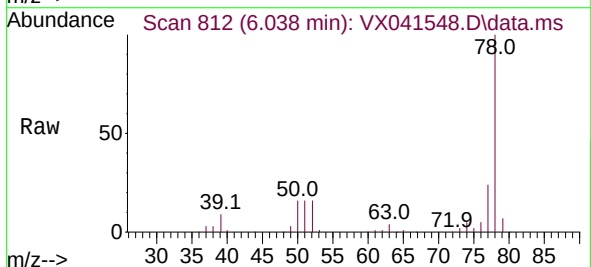
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

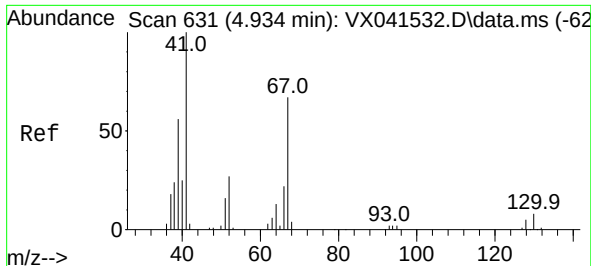
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 44913 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.6 | 77.4  | 116.2 |
| 121      | 32.7  | 26.4  | 39.6  |



#34  
Benzene  
Concen: 19.504 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 128669 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 24.3  | 18.6  | 28.0   |
| 51       | 15.8  | 12.4  | 18.6   |





#35

Methacrylonitrile

Concen: 19.736 ug/l

RT: 4.928 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 27603

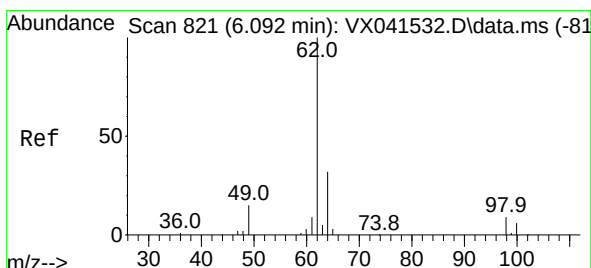
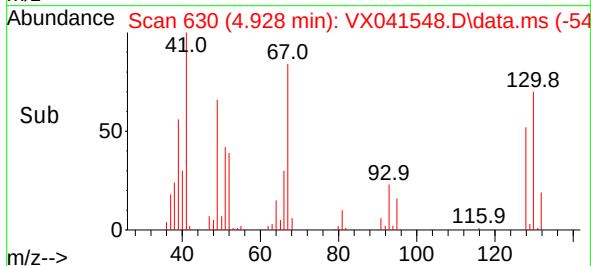
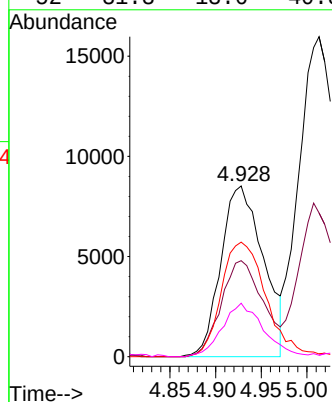
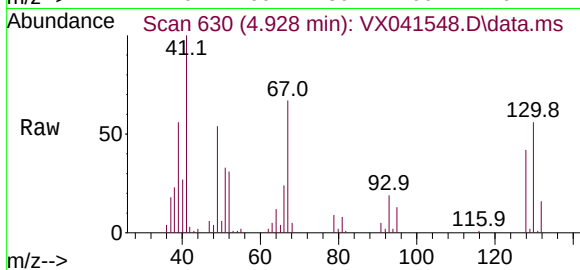
Ion Ratio Lower Upper

41 100

39 56.2 28.1 84.4

67 67.1 33.7 101.1

52 31.3 13.6 40.8



#36

1,2-Dichloroethane

Concen: 19.585 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.006 min

Lab File: VX041548.D

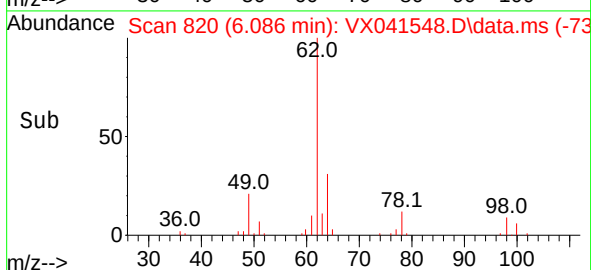
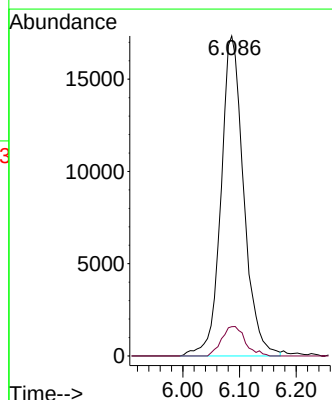
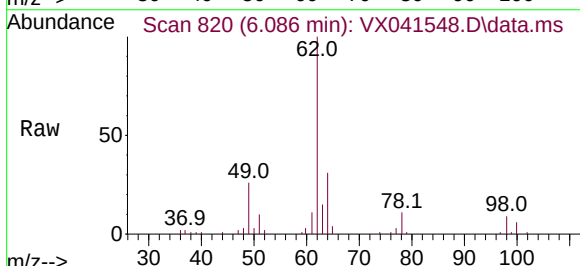
Acq: 15 May 2024 18:38

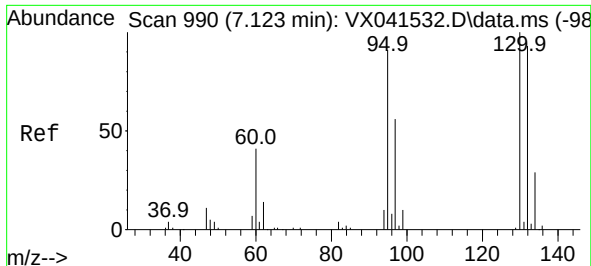
Tgt Ion: 62 Resp: 48214

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0





#37

Trichloroethene

Concen: 18.867 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

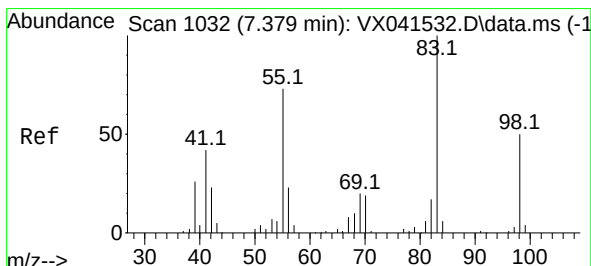
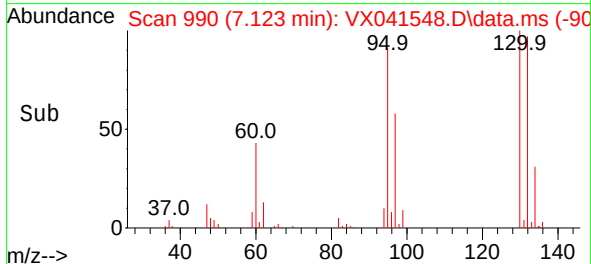
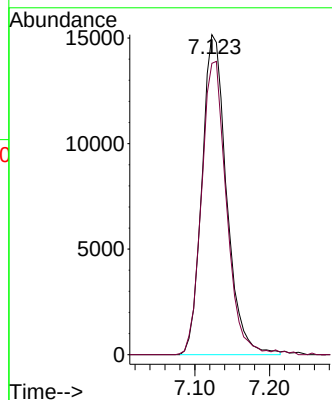
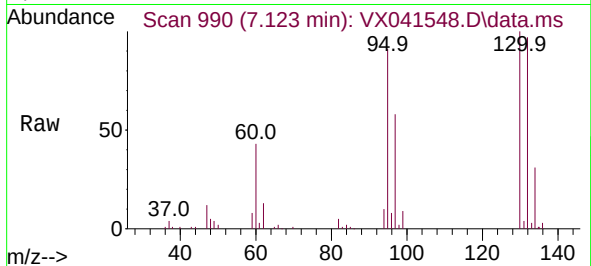
VSTDCCC020EC

Tgt Ion:130 Resp: 34678

Ion Ratio Lower Upper

130 100

95 90.7 72.6 108.8



#38

Methylcyclohexane

Concen: 18.274 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

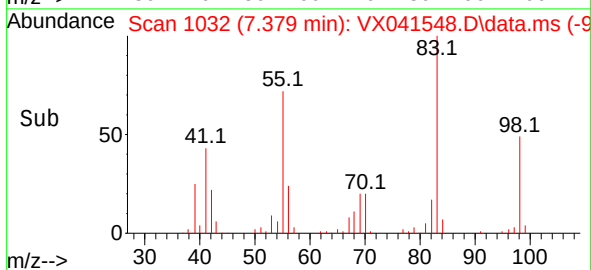
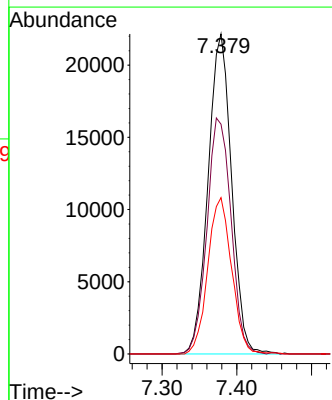
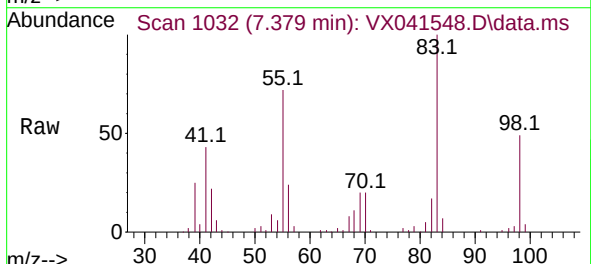
Tgt Ion: 83 Resp: 48468

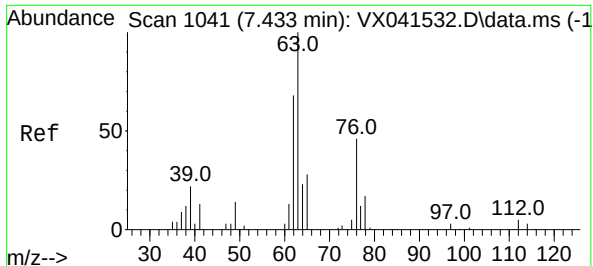
Ion Ratio Lower Upper

83 100

55 75.6 37.7 113.1

98 49.6 25.1 75.3

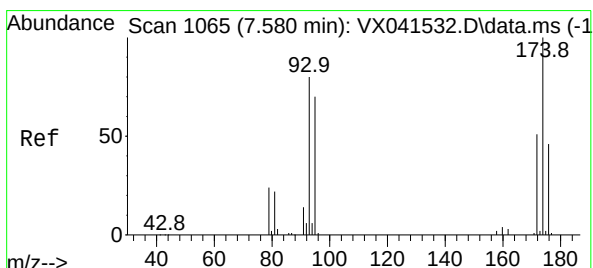
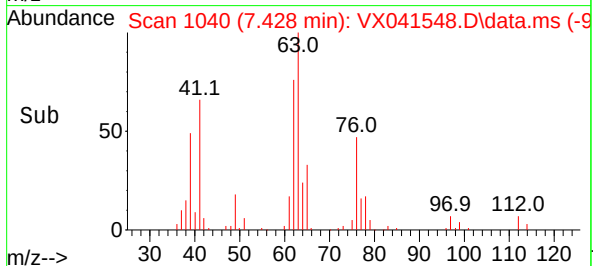
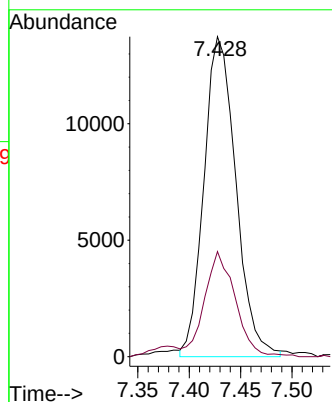
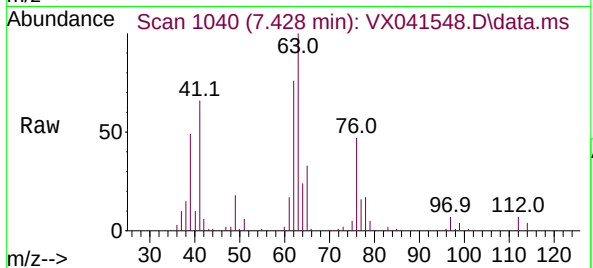




#39  
1,2-Dichloropropane  
Concen: 19.079 ug/l  
RT: 7.428 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

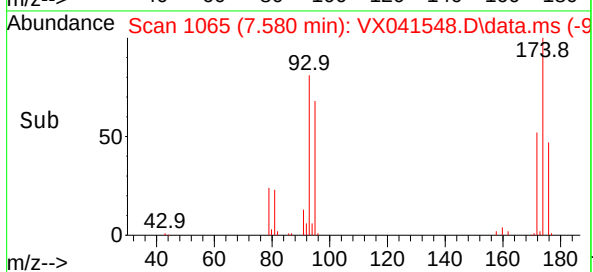
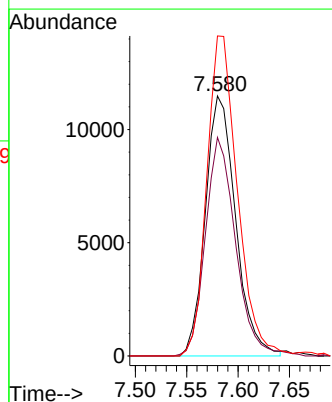
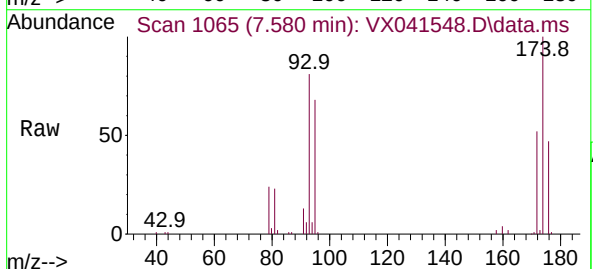
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

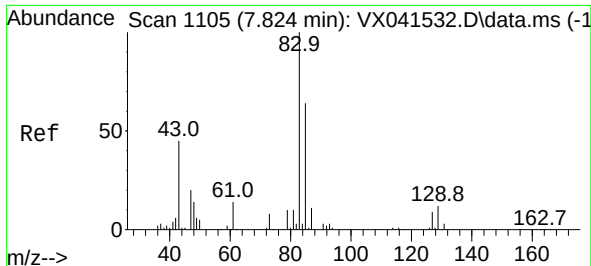
Tgt Ion: 63 Resp: 29753  
Ion Ratio Lower Upper  
63 100  
65 32.8 24.2 36.2



#40  
Dibromomethane  
Concen: 19.201 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 93 Resp: 23566  
Ion Ratio Lower Upper  
93 100  
95 83.5 0.0 168.6  
174 123.9 0.0 249.8

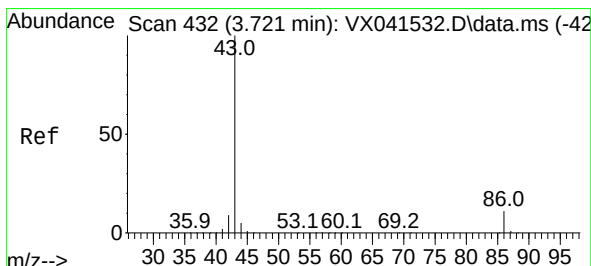
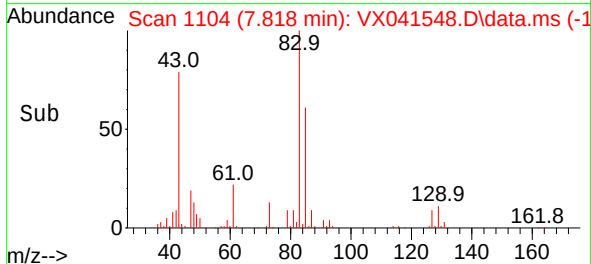
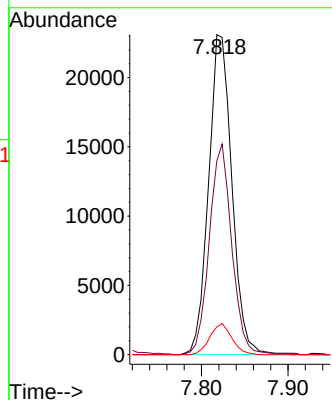
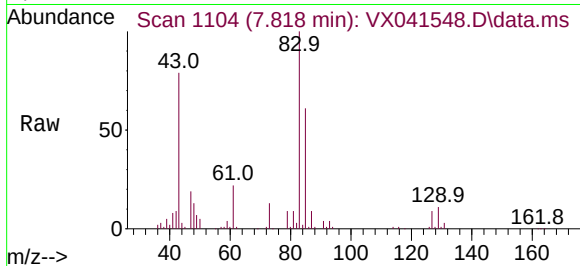




#41  
Bromodichloromethane  
Concen: 18.732 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

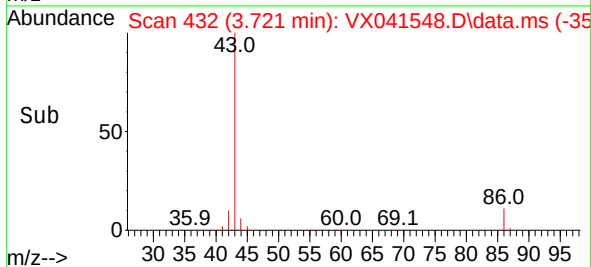
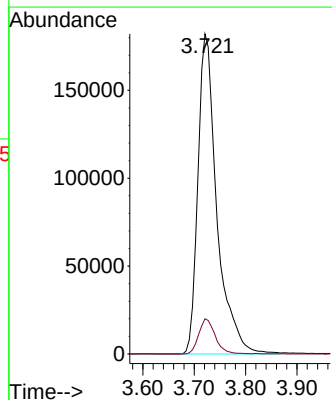
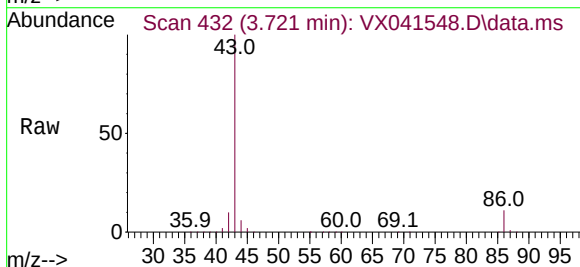
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 43162  
Ion Ratio Lower Upper  
83 100  
85 60.6 51.0 76.4  
127 8.6 7.1 10.7

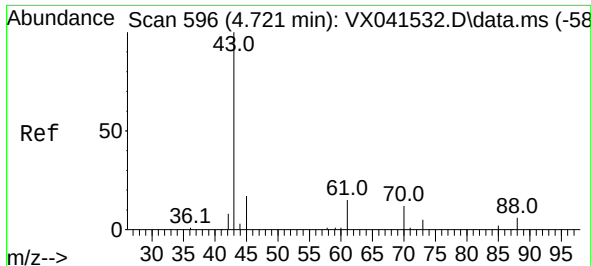


#42  
Vinyl Acetate  
Concen: 96.938 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 43 Resp: 466319  
Ion Ratio Lower Upper  
43 100  
86 9.6 7.8 11.6







#43

Ethyl Acetate

Concen: 18.076 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

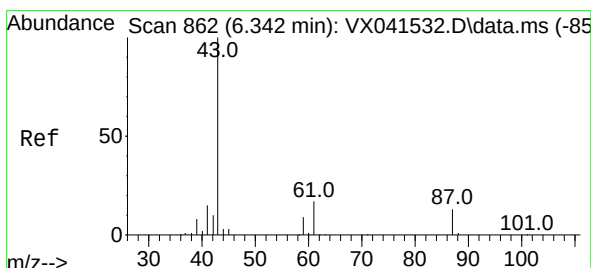
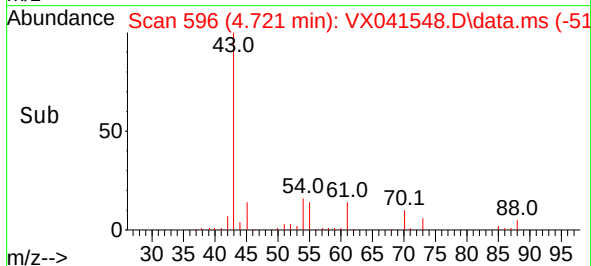
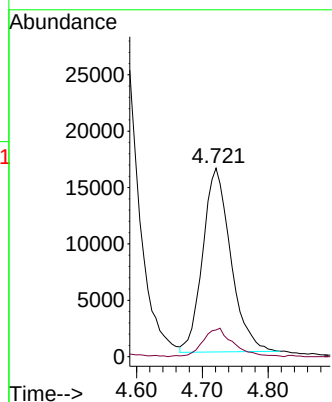
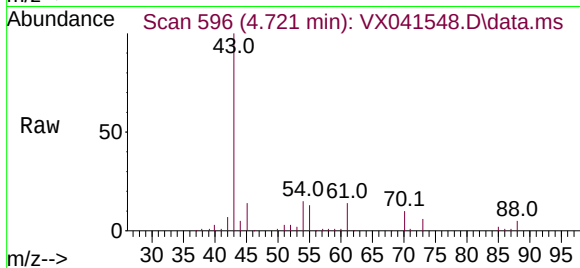
VSTDCCC020EC

Tgt Ion: 43 Resp: 48357

Ion Ratio Lower Upper

43 100

45 16.6 11.9 17.9



#44

Isopropyl Acetate

Concen: 19.217 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX041548.D

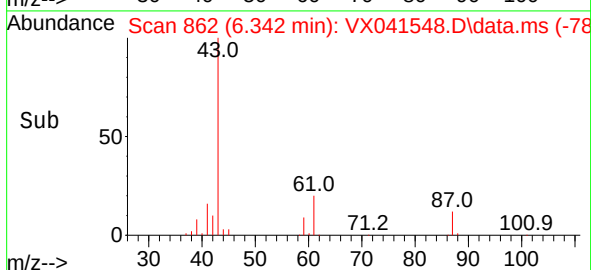
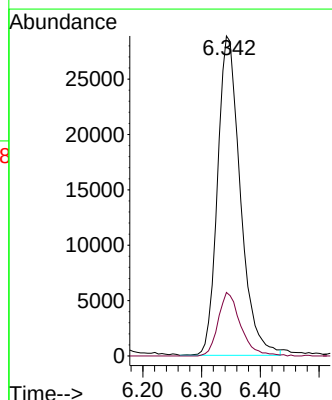
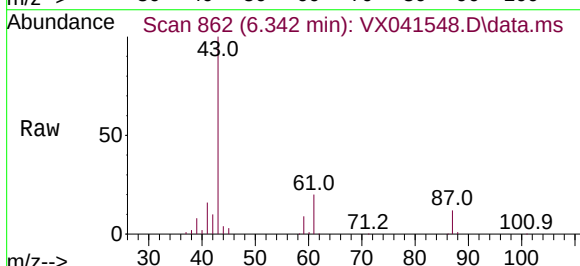
Acq: 15 May 2024 18:38

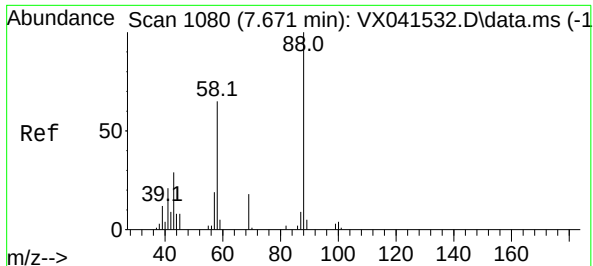
Tgt Ion: 43 Resp: 77714

Ion Ratio Lower Upper

43 100

61 19.5 15.3 22.9





#45

1,4-Dioxane

Concen: 334.998 ug/l

RT: 7.665 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

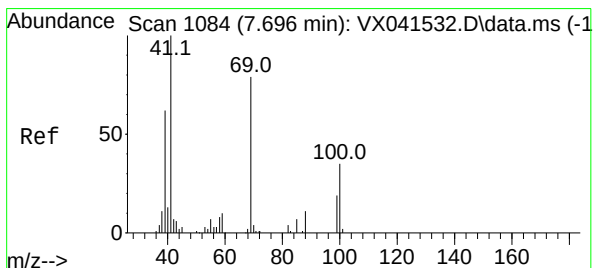
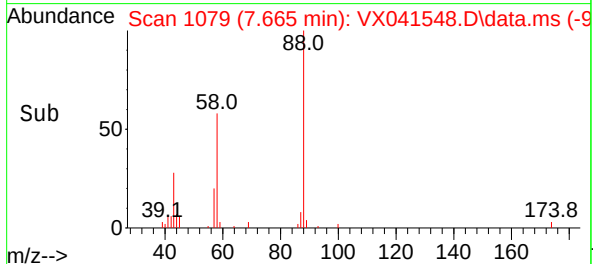
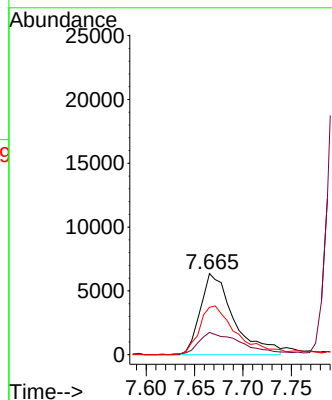
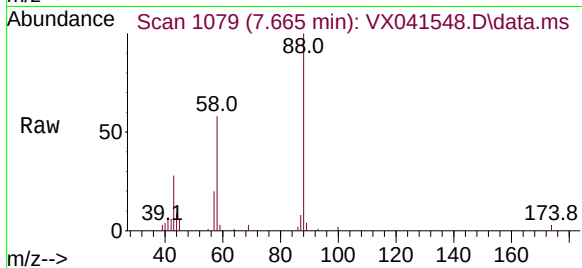
Tgt Ion: 88 Resp: 15278

Ion Ratio Lower Upper

88 100

43 35.7 24.9 37.3

58 64.7 47.0 70.4



#46

Methyl methacrylate

Concen: 19.459 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

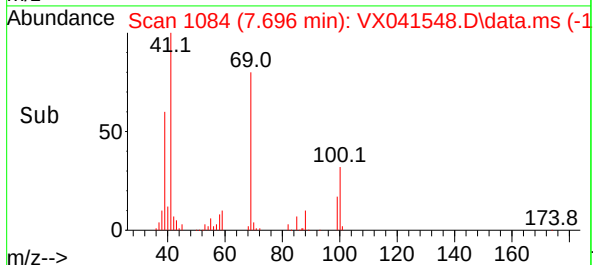
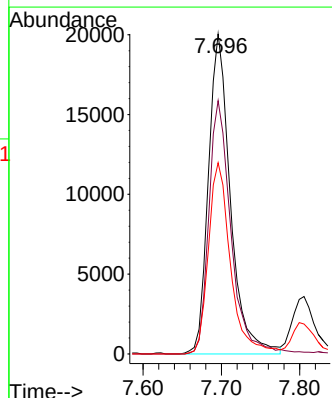
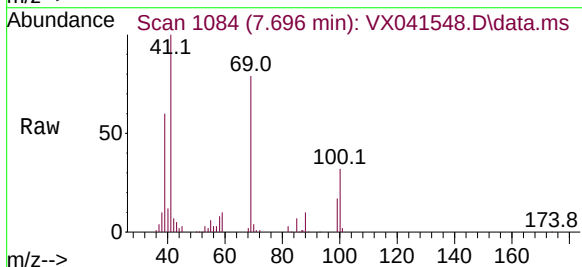
Tgt Ion: 41 Resp: 39153

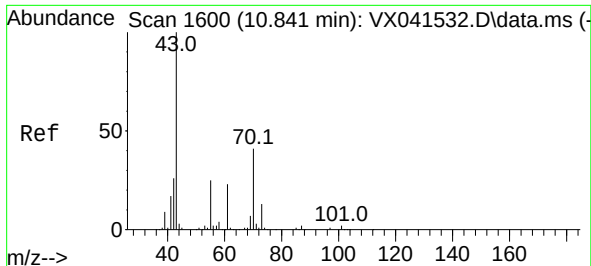
Ion Ratio Lower Upper

41 100

69 79.1 39.6 119.0

39 59.8 30.9 92.8





#47

n-amyl acetate

Concen: 18.645 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

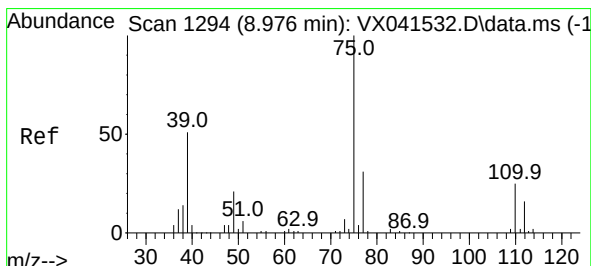
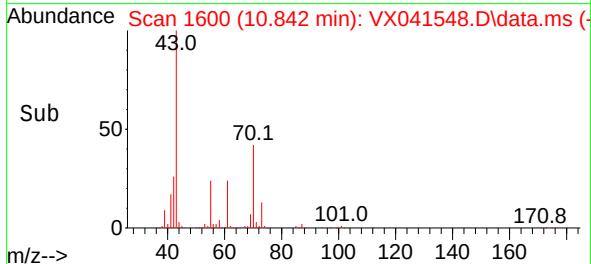
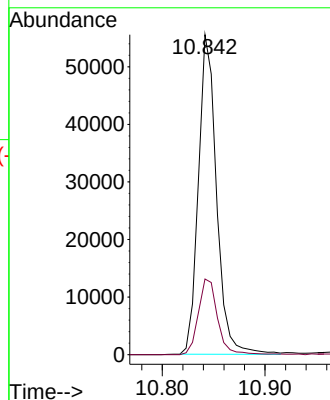
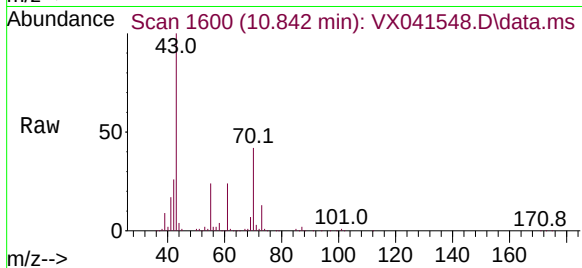
VSTDCCC020EC

Tgt Ion: 43 Resp: 68376

Ion Ratio Lower Upper

43 100

55 25.2 19.4 29.0



#48

t-1,3-Dichloropropene

Concen: 17.898 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX041548.D

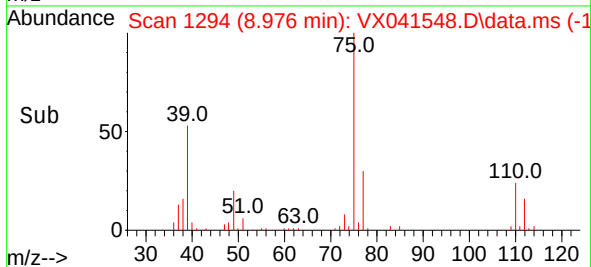
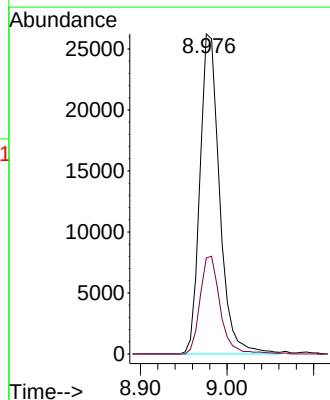
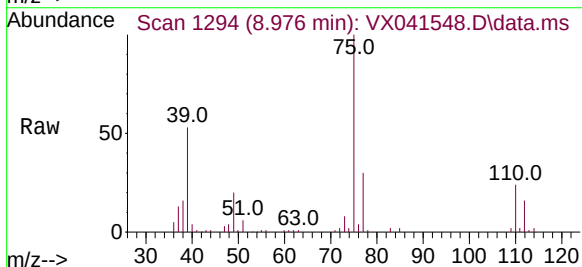
Acq: 15 May 2024 18:38

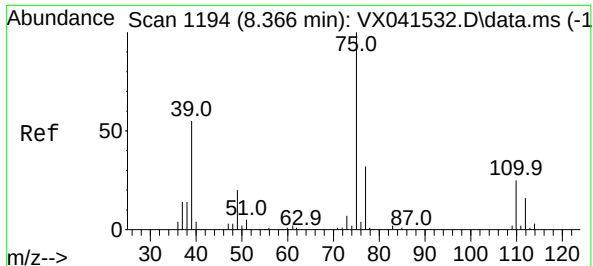
Tgt Ion: 75 Resp: 41414

Ion Ratio Lower Upper

75 100

77 30.0 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 18.196 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

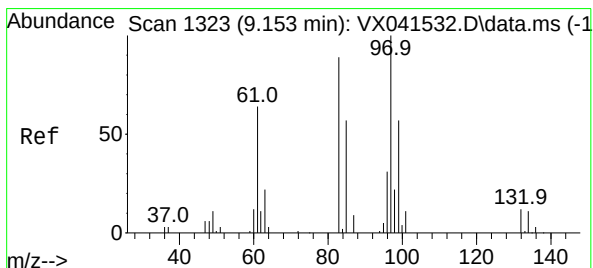
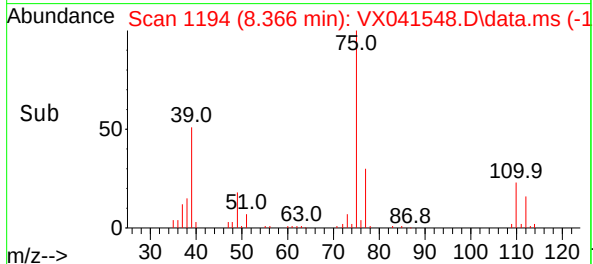
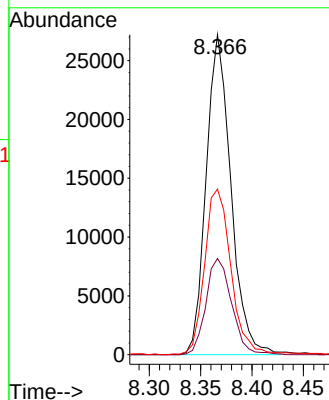
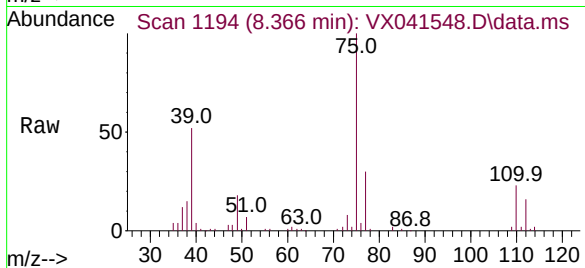
Tgt Ion: 75 Resp: 45604

Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.8

39 51.5 43.6 65.4



#50

1,1,2-Trichloroethane

Concen: 19.454 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Tgt Ion: 97 Resp: 33214

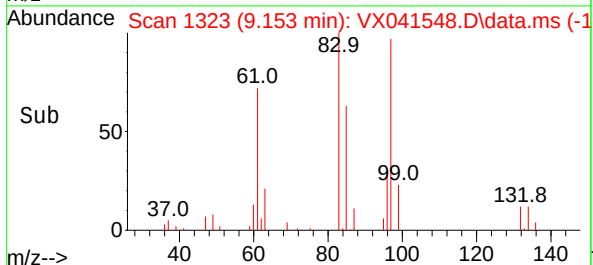
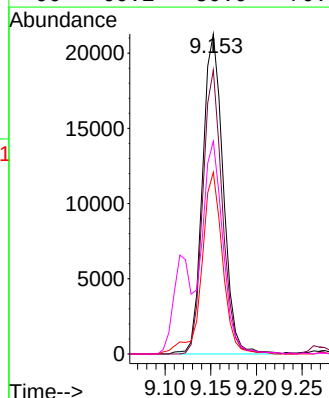
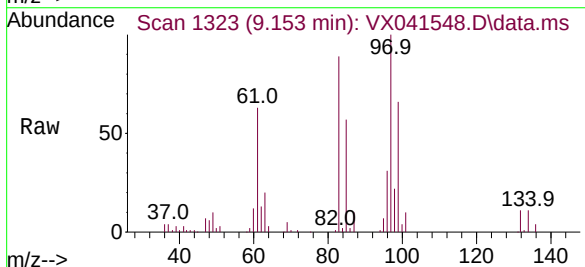
Ion Ratio Lower Upper

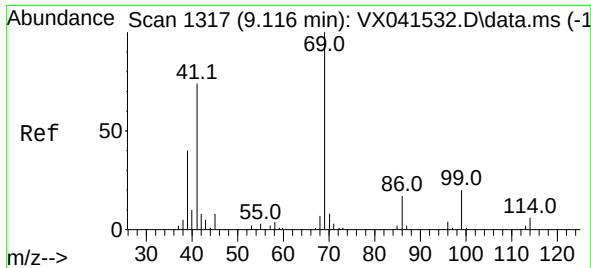
97 100

83 88.8 71.3 106.9

85 56.7 45.7 68.5

99 66.2 50.9 76.3

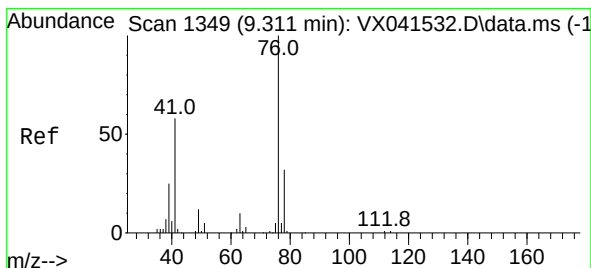
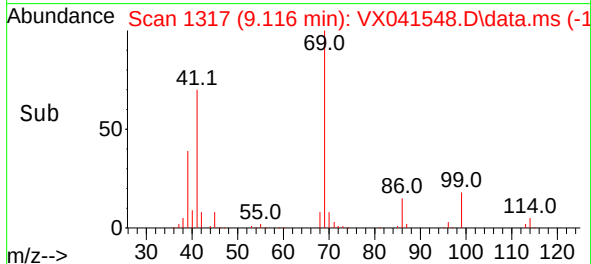
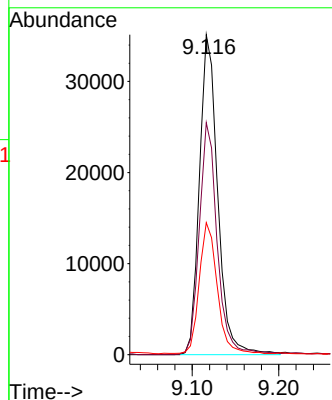
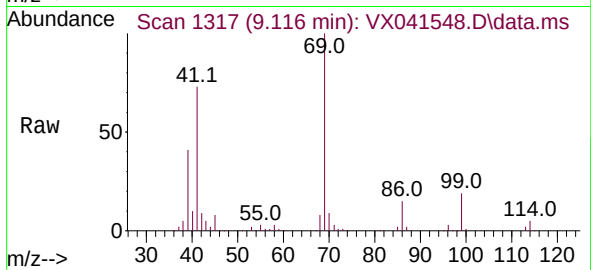




#51  
Ethyl methacrylate  
Concen: 18.767 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

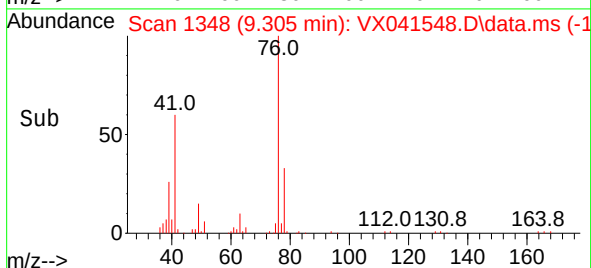
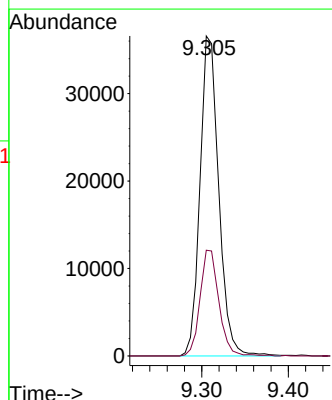
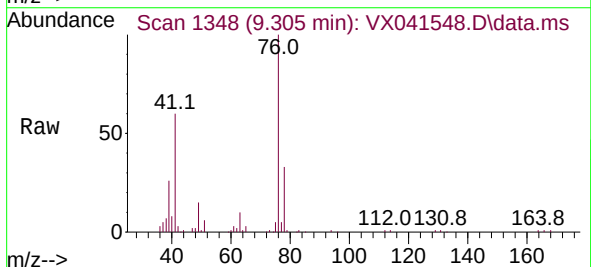
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

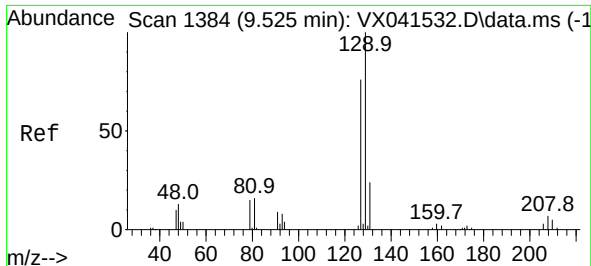
Tgt Ion: 69 Resp: 51575  
Ion Ratio Lower Upper  
69 100  
41 72.3 37.1 111.3  
39 40.8 20.2 60.6



#52  
1,3-Dichloropropane  
Concen: 19.507 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 76 Resp: 55034  
Ion Ratio Lower Upper  
76 100  
78 32.9 0.0 64.4





#53

Dibromochloromethane

Concen: 18.164 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

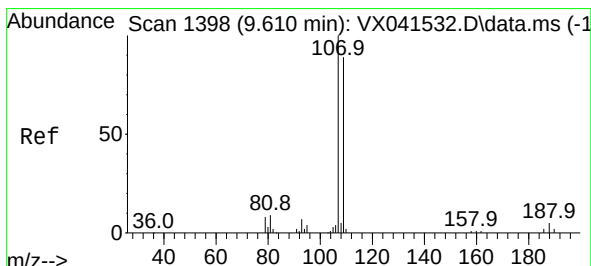
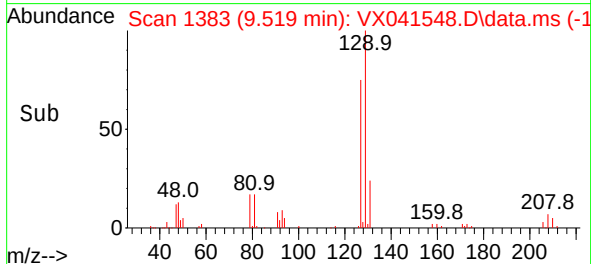
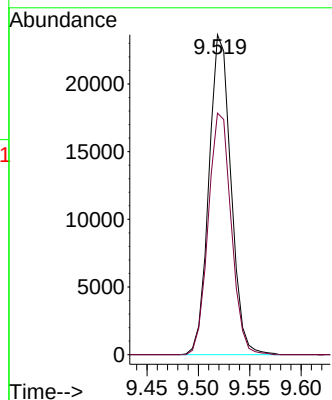
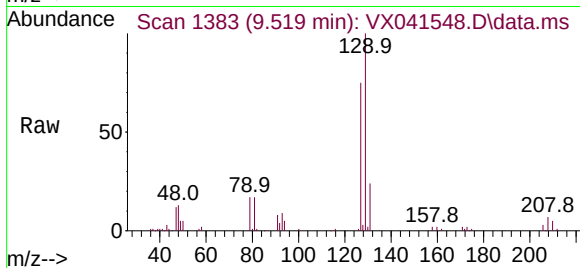
VSTDCCC020EC

Tgt Ion:129 Resp: 35285

Ion Ratio Lower Upper

129 100

127 78.4 38.9 116.7



#54

1,2-Dibromoethane

Concen: 19.364 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX041548.D

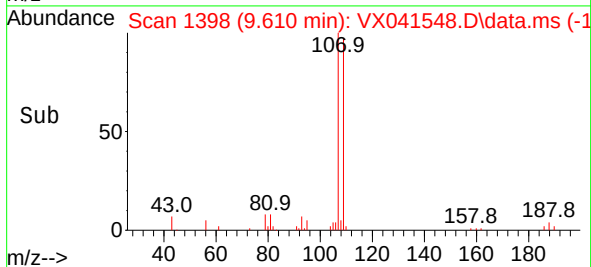
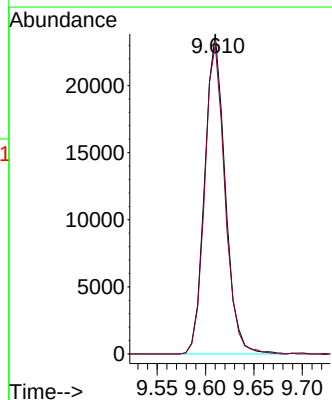
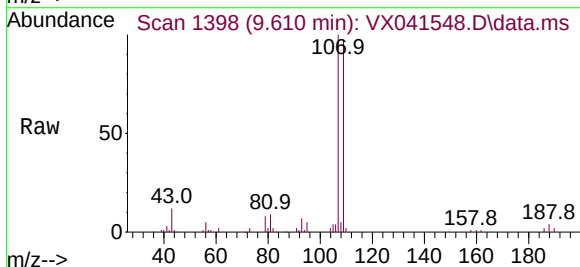
Acq: 15 May 2024 18:38

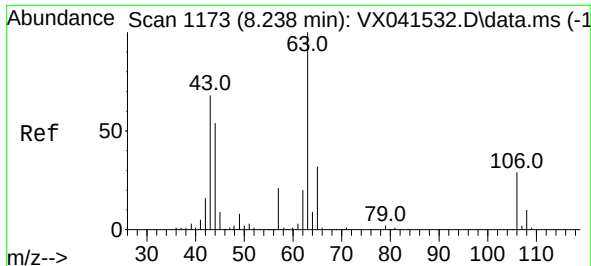
Tgt Ion:107 Resp: 35058

Ion Ratio Lower Upper

107 100

109 96.1 75.3 112.9





#55

2-Chloroethyl vinyl ether

Concen: 88.106 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

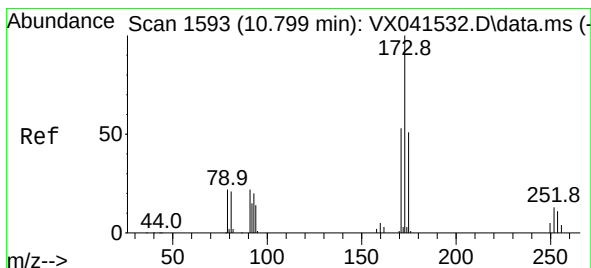
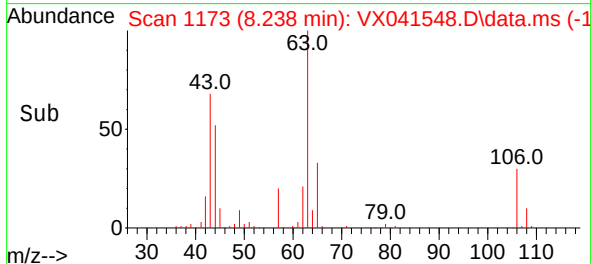
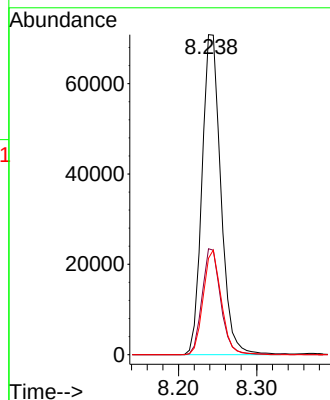
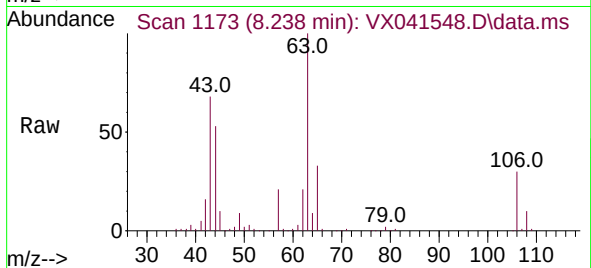
Tgt Ion: 63 Resp: 118184

Ion Ratio Lower Upper

63 100

65 32.5 25.5 38.3

106 31.2 24.7 37.1



#56

Bromoform

Concen: 17.949 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

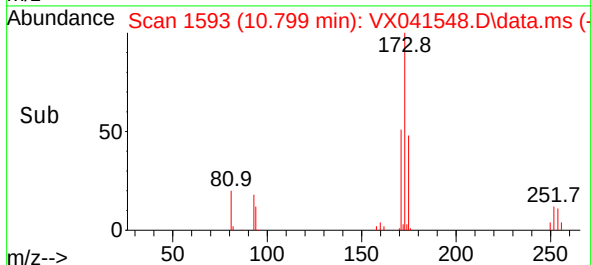
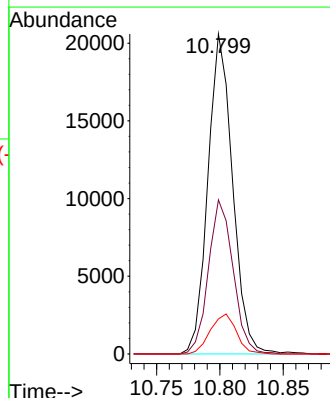
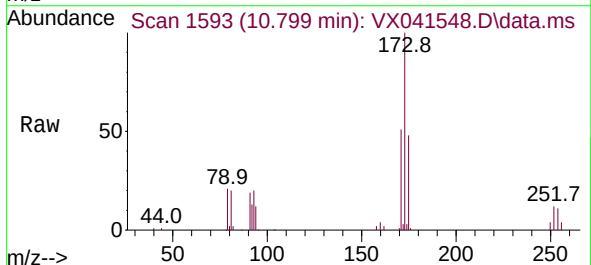
Tgt Ion:173 Resp: 27935

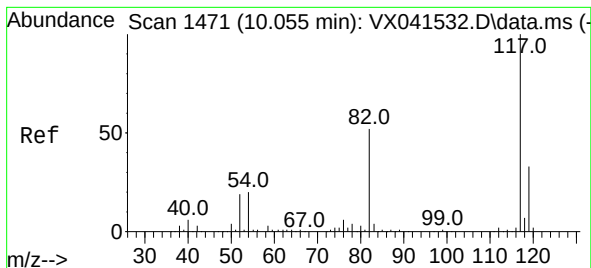
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

254 13.2 10.3 15.5

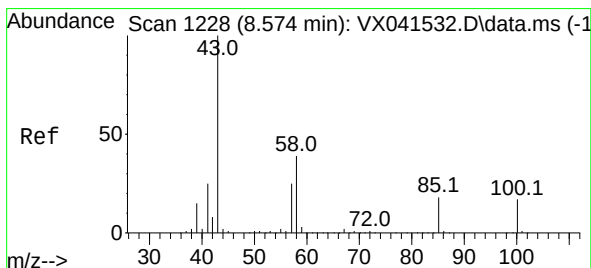
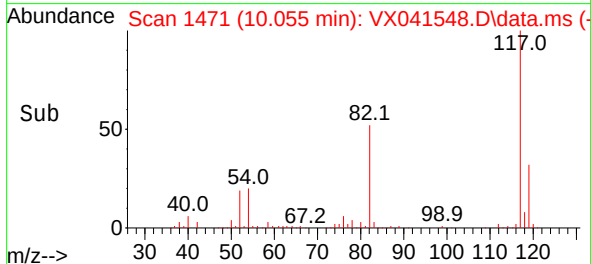
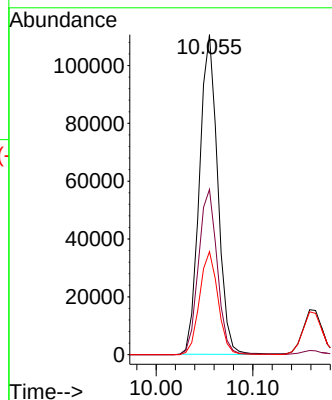
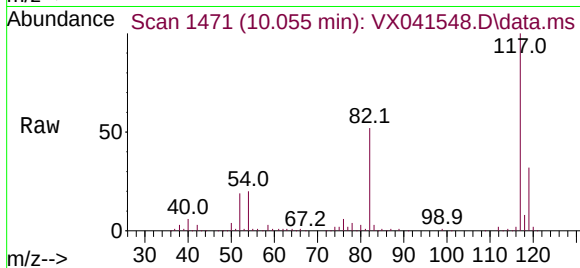




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

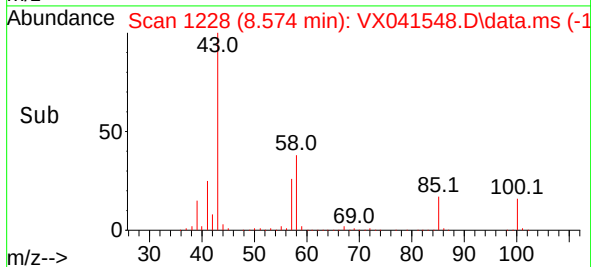
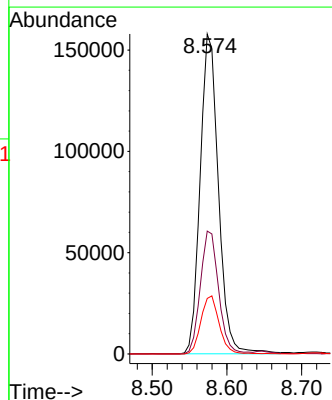
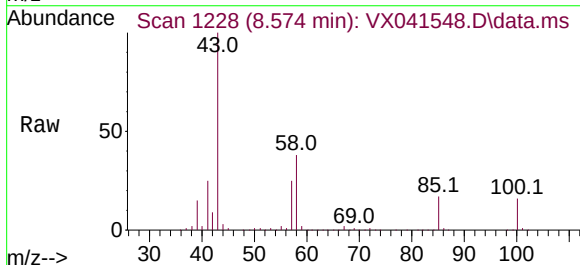
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:117 Resp: 145292  
Ion Ratio Lower Upper  
117 100  
82 53.1 41.7 62.5  
119 32.6 25.7 38.5

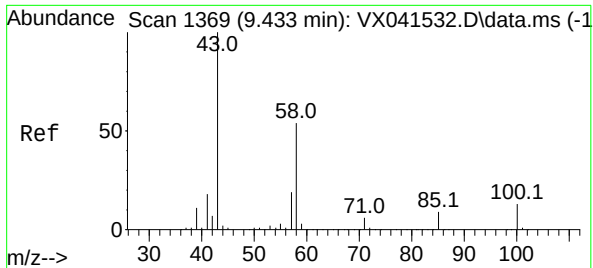


#58  
4-Methyl-2-Pentanone  
Concen: 100.994 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 43 Resp: 268109  
Ion Ratio Lower Upper  
43 100  
58 38.5 30.2 45.4  
85 18.1 14.6 21.8



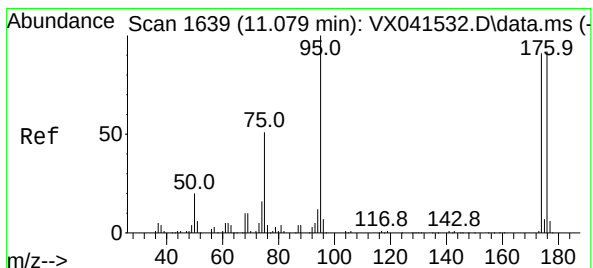
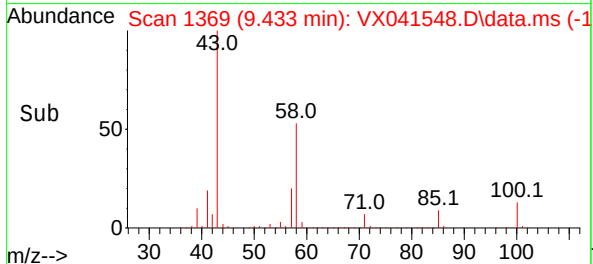
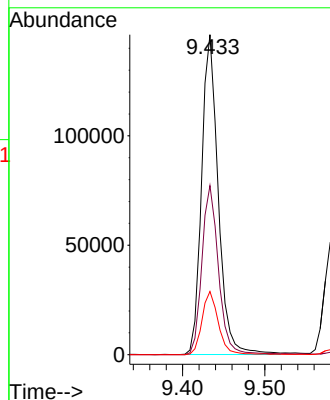
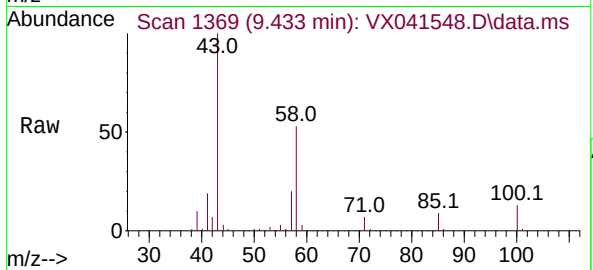




#59  
2-Hexanone  
Concen: 97.006 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

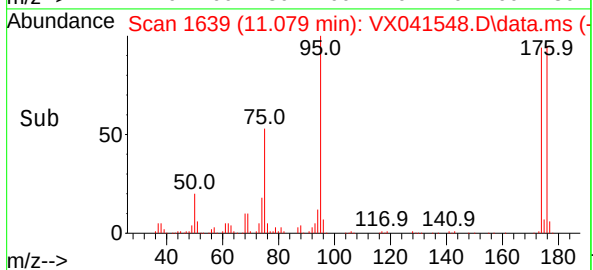
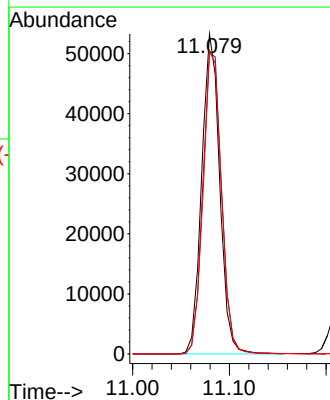
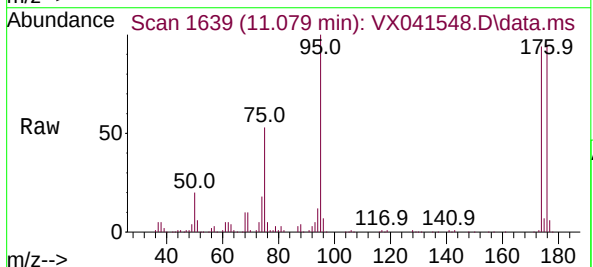
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

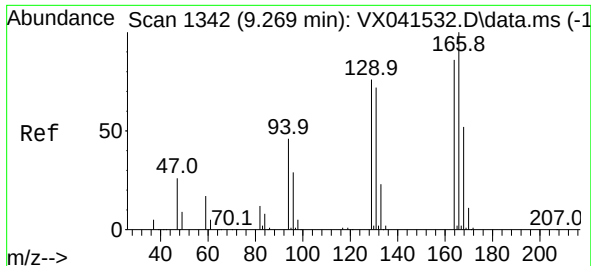
Tgt Ion: 43 Resp: 205154  
Ion Ratio Lower Upper  
43 100  
58 52.6 42.3 63.5  
57 19.4 15.1 22.7



#60  
4-Bromofluorobenzene  
Concen: 30.404 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 95 Resp: 68960  
Ion Ratio Lower Upper  
95 100  
174 98.1 76.6 115.0  
176 96.3 75.4 113.0

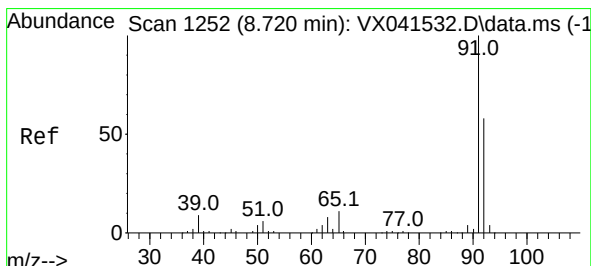
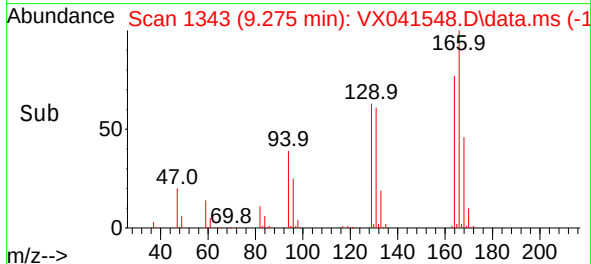
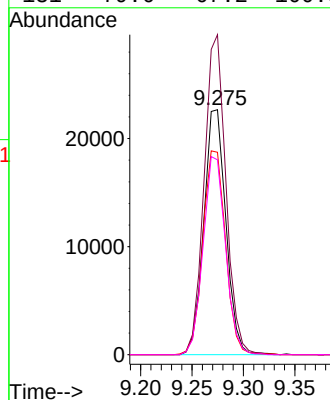
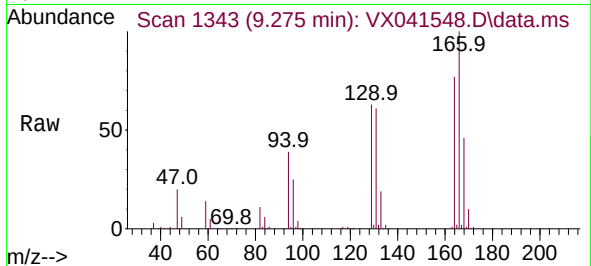




#61  
Tetrachloroethene  
Concen: 19.122 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

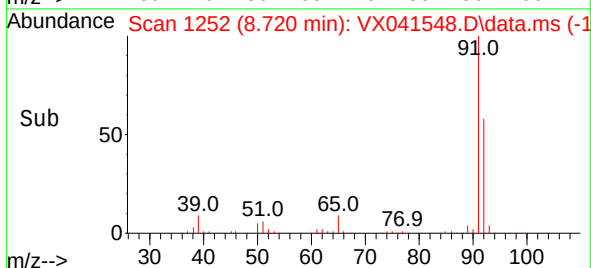
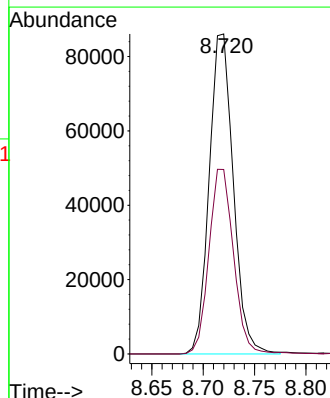
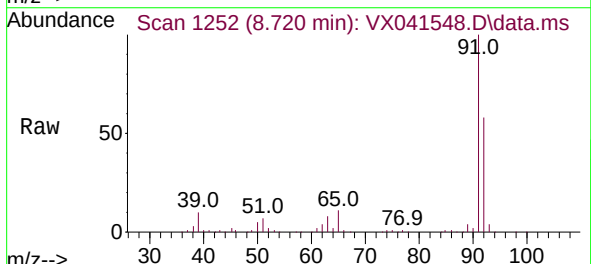
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

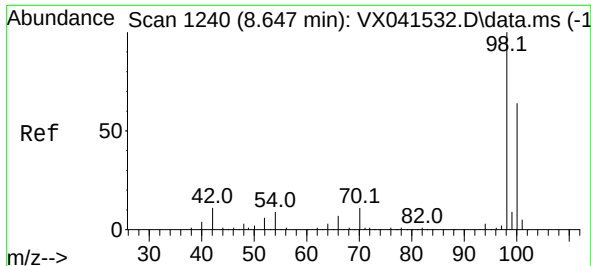
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 33992       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 130.6 | 92.8 139.2  |
| 129         | 82.6  | 70.1 105.1  |
| 131         | 79.6  | 67.2 100.8  |



#62  
Toluene  
Concen: 19.426 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 140439      |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 58.6  | 47.0 70.6   |





#63

Toluene-d8

Concen: 30.363 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

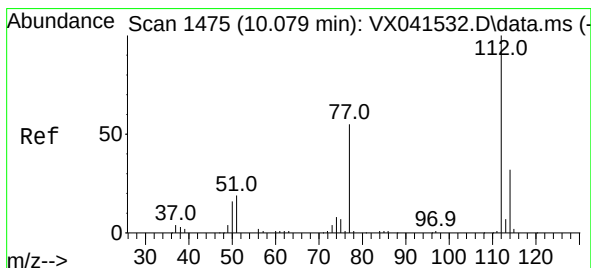
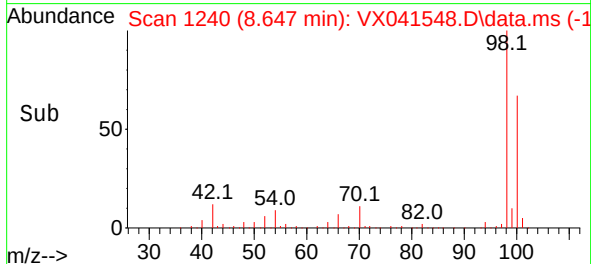
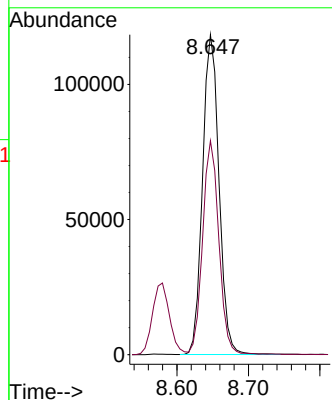
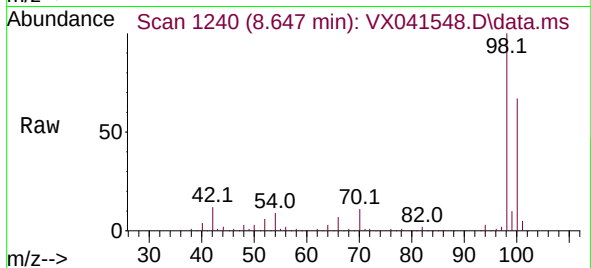
VSTDCCC020EC

Tgt Ion: 98 Resp: 189106

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#64

Chlorobenzene

Concen: 19.569 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX041548.D

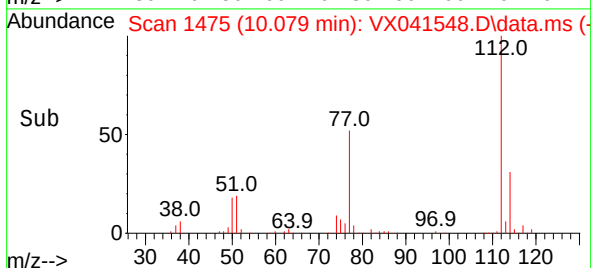
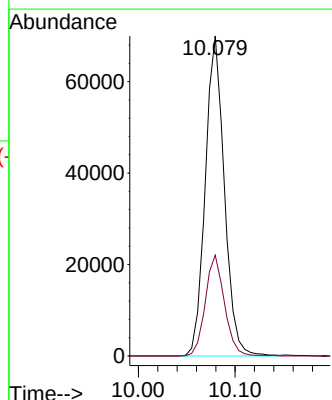
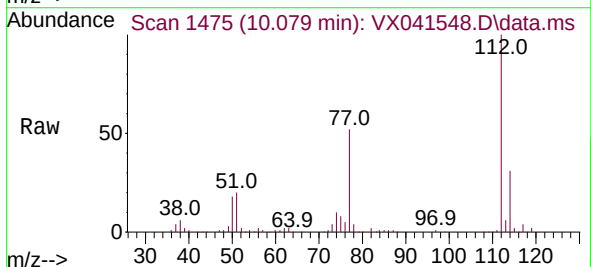
Acq: 15 May 2024 18:38

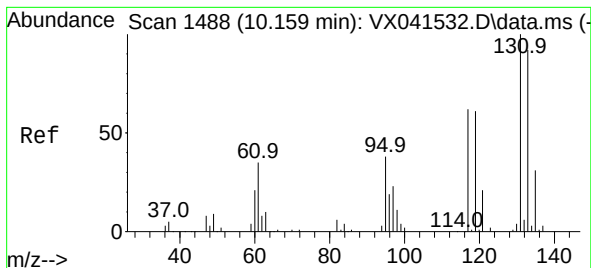
Tgt Ion: 112 Resp: 96097

Ion Ratio Lower Upper

112 100

114 31.5 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 18.997 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

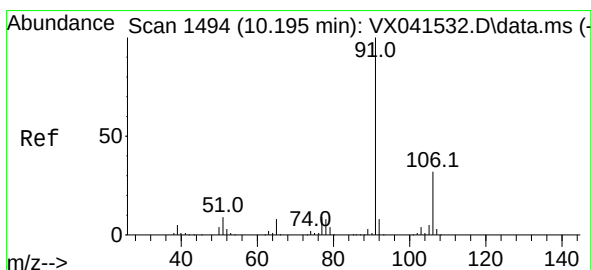
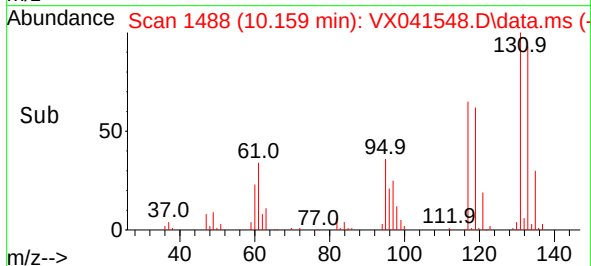
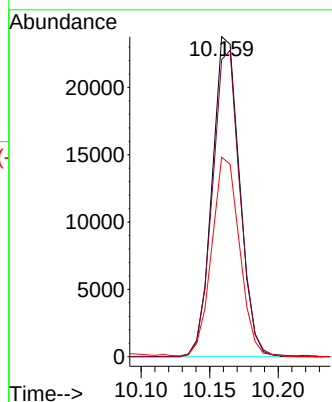
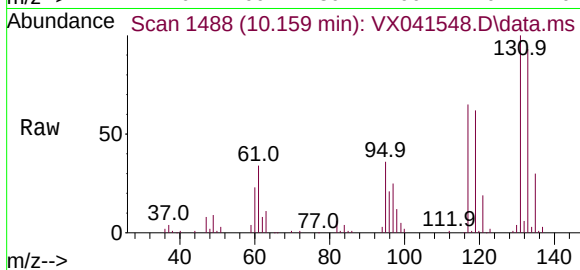
Tgt Ion:131 Resp: 33019

Ion Ratio Lower Upper

131 100

133 96.4 0.0 191.6

119 63.5 0.0 126.4



#66

Ethyl Benzene

Concen: 19.549 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041548.D

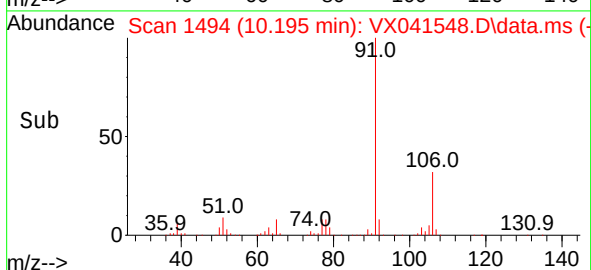
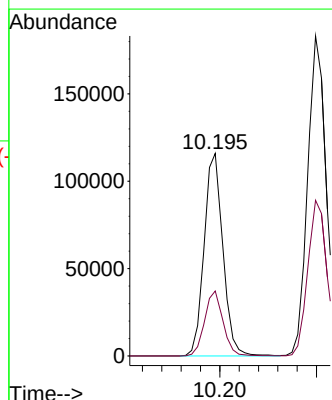
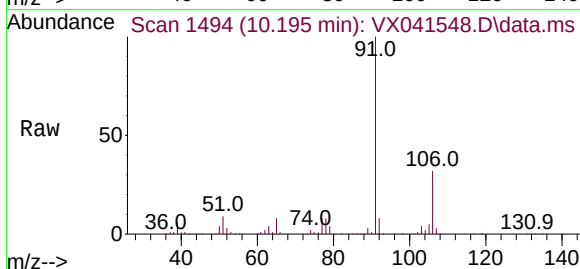
Acq: 15 May 2024 18:38

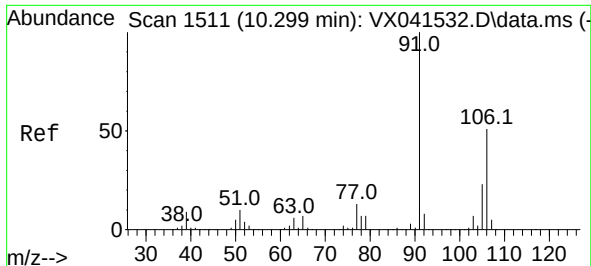
Tgt Ion: 91 Resp: 156937

Ion Ratio Lower Upper

91 100

106 32.1 25.9 38.9

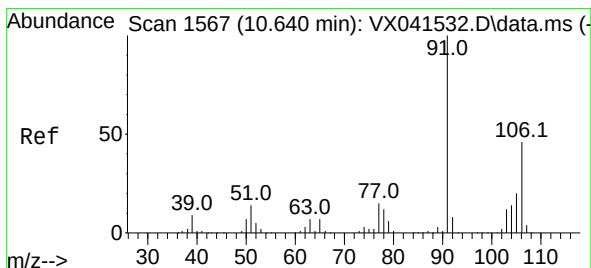
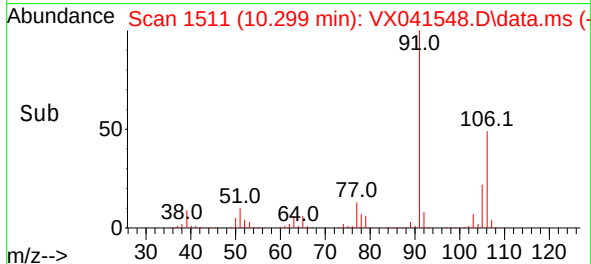
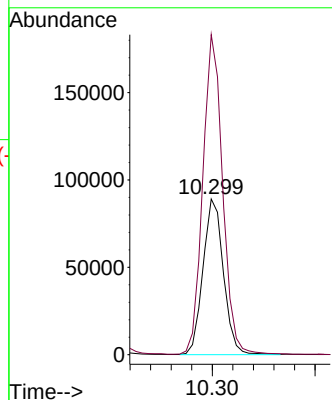
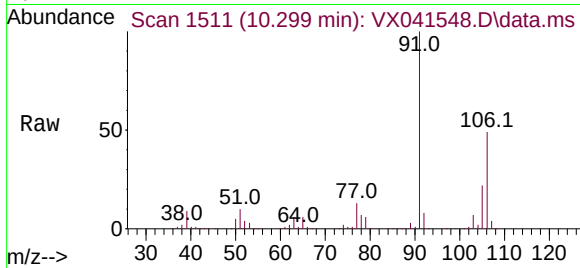




#67  
m/p-Xylenes  
Concen: 39.316 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

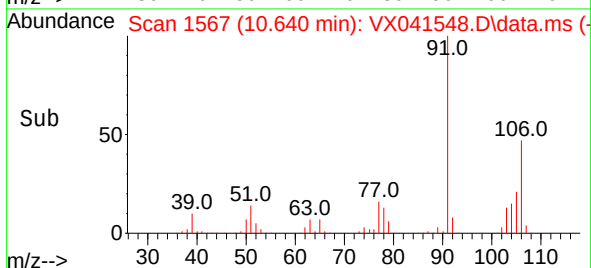
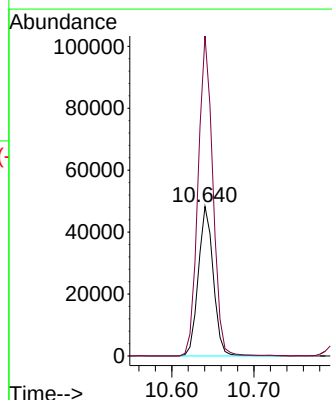
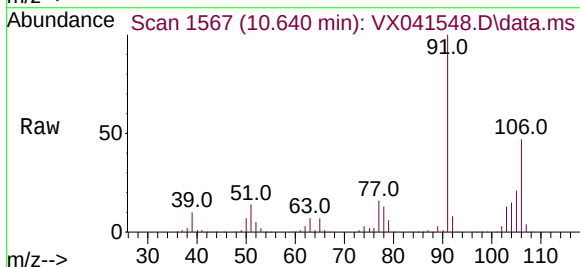
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

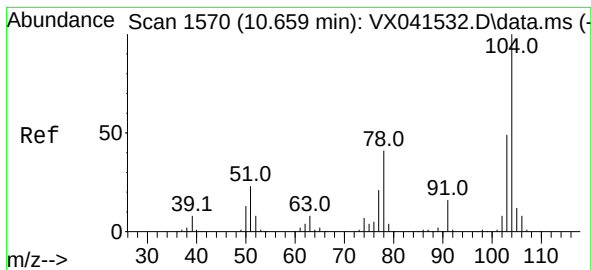
Tgt Ion:106 Resp: 123421  
Ion Ratio Lower Upper  
106 100  
91 199.1 156.5 234.7



#68  
o-Xylene  
Concen: 19.275 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion:106 Resp: 60908  
Ion Ratio Lower Upper  
106 100  
91 211.1 105.2 315.6





#69

Styrene

Concen: 19.156 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

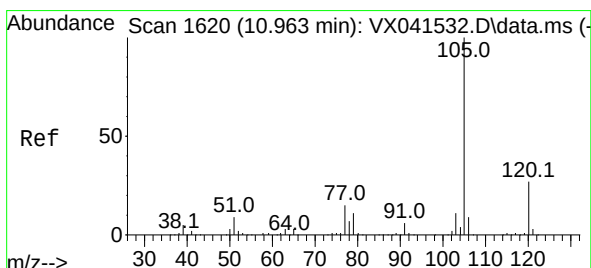
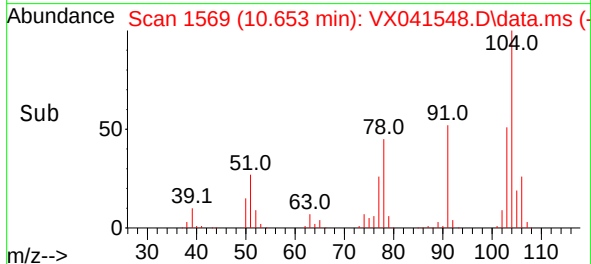
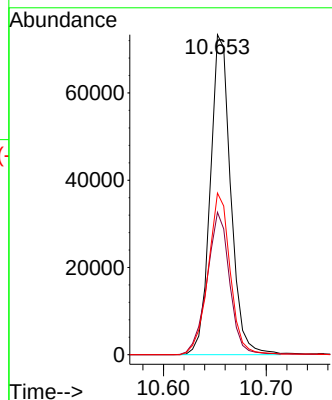
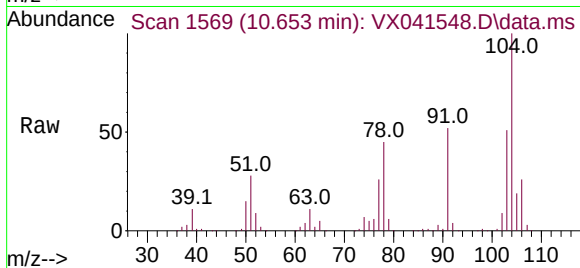
Tgt Ion:104 Resp: 101491

Ion Ratio Lower Upper

104 100

78 49.3 39.3 58.9

103 54.5 43.2 64.8



#70

Isopropylbenzene

Concen: 19.933 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041548.D

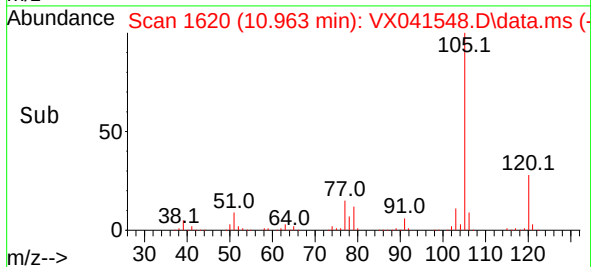
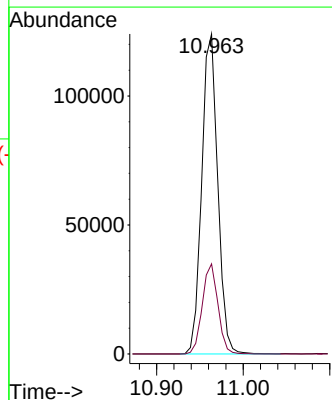
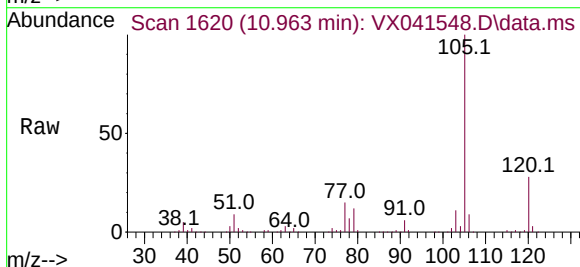
Acq: 15 May 2024 18:38

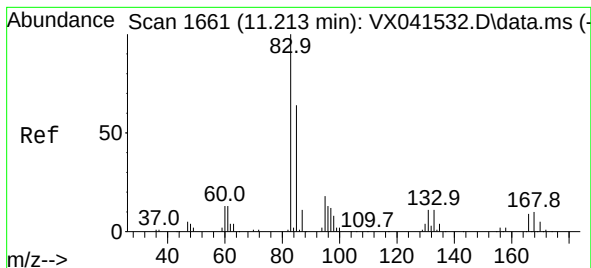
Tgt Ion:105 Resp: 159161

Ion Ratio Lower Upper

105 100

120 27.4 18.8 34.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.091 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

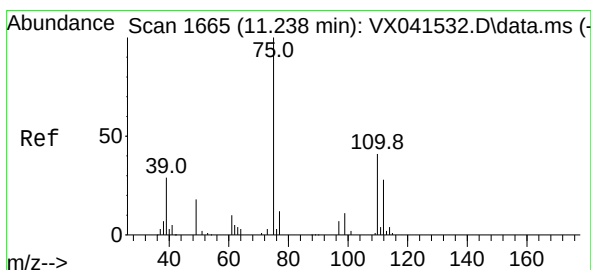
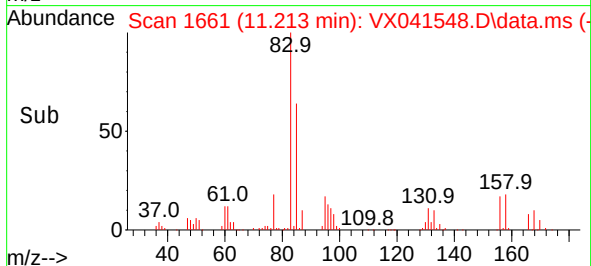
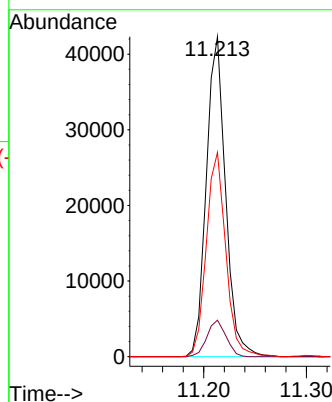
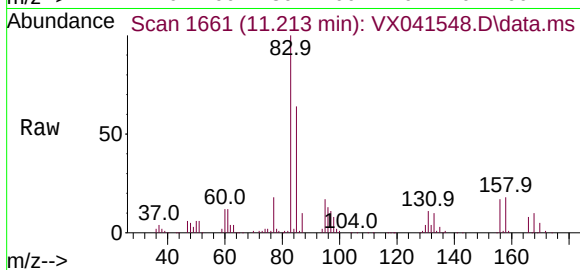
Tgt Ion: 83 Resp: 55110

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

85 64.6 32.3 96.8



#72

1,2,3-Trichloropropane

Concen: 23.666 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX041548.D

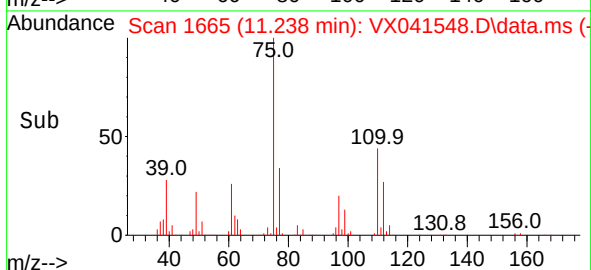
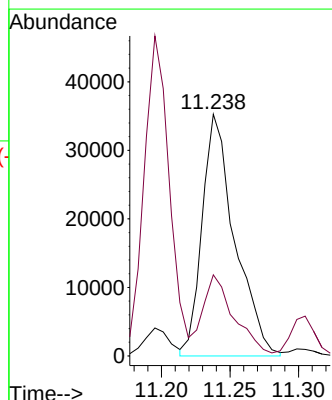
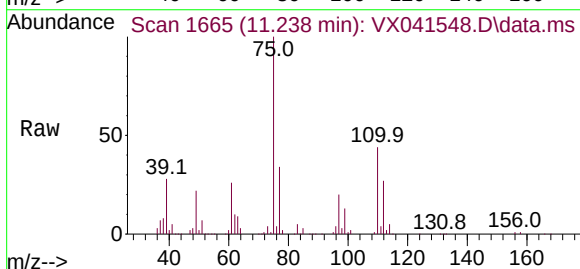
Acq: 15 May 2024 18:38

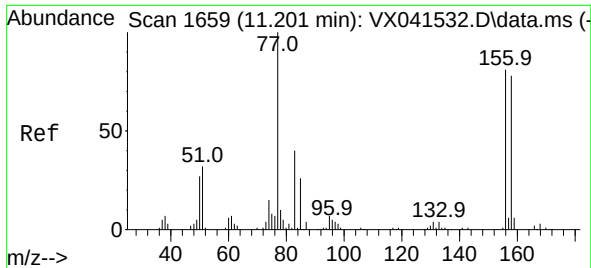
Tgt Ion: 75 Resp: 58542

Ion Ratio Lower Upper

75 100

77 32.3 0.0 78.8

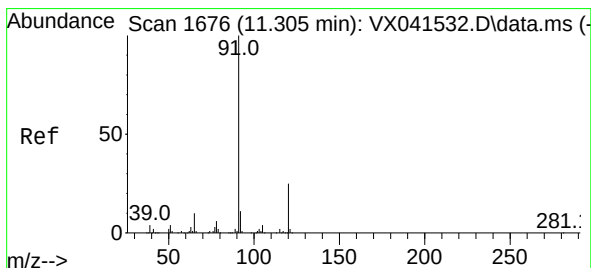
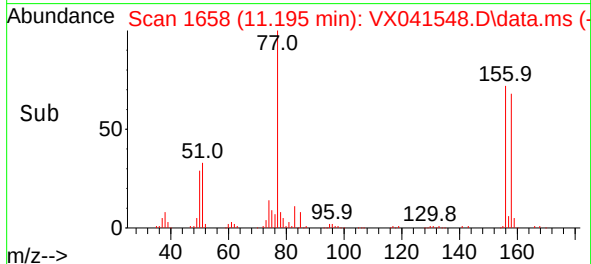
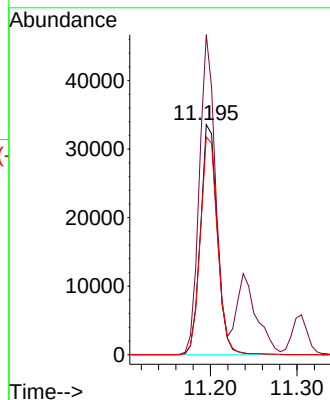
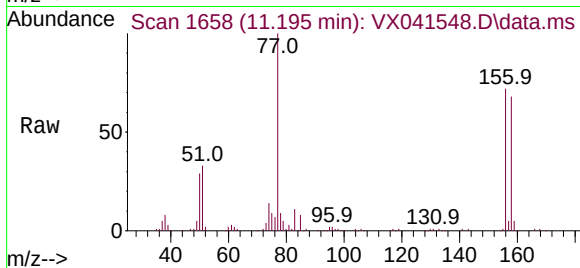




#73  
Bromobenzene  
Concen: 19.419 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

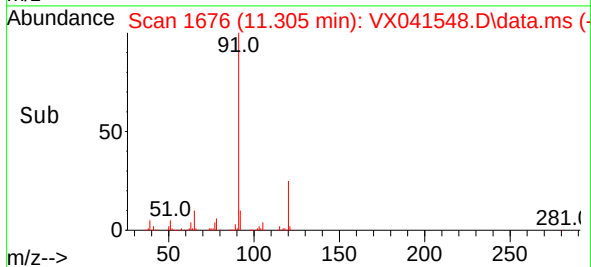
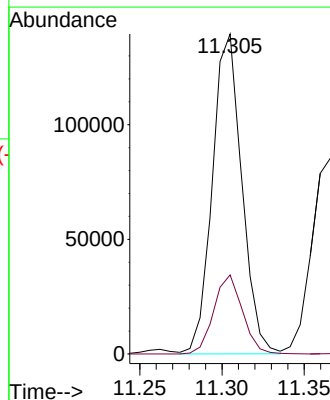
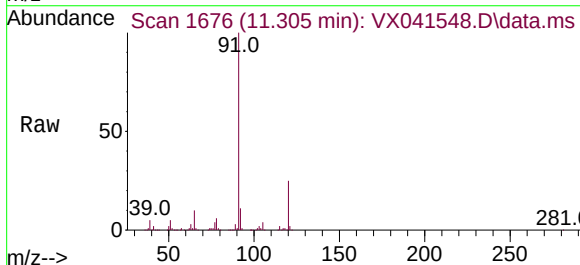
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:156 Resp: 45561  
Ion Ratio Lower Upper  
156 100  
77 131.6 0.0 267.4  
158 96.2 0.0 192.8

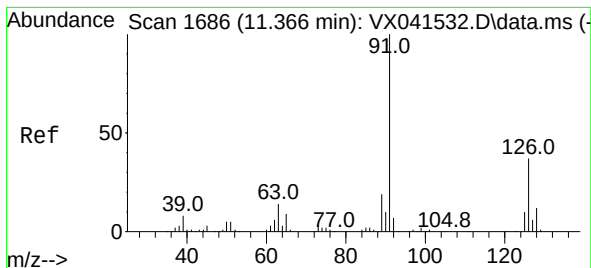


#74  
n-propylbenzene  
Concen: 19.320 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 91 Resp: 173951  
Ion Ratio Lower Upper  
91 100  
120 24.0 0.0 48.4







#75

2-Chlorotoluene

Concen: 19.621 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

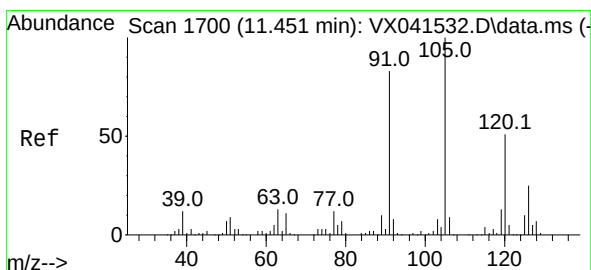
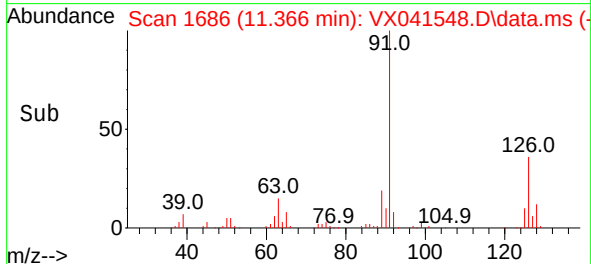
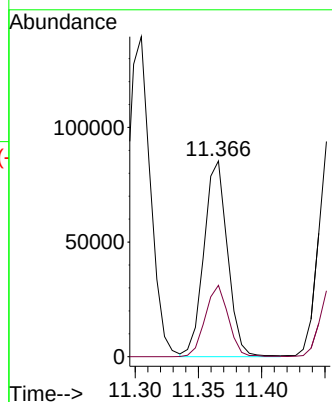
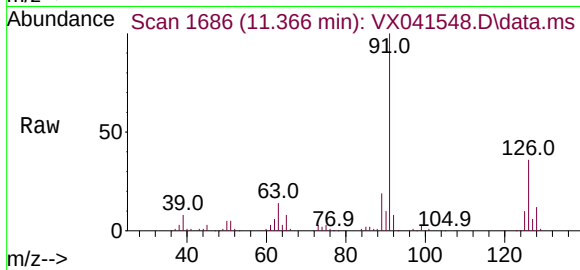
VSTDCCC020EC

Tgt Ion: 91 Resp: 110935

Ion Ratio Lower Upper

91 100

126 35.6 0.0 71.6



#76

1,3,5-Trimethylbenzene

Concen: 19.531 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041548.D

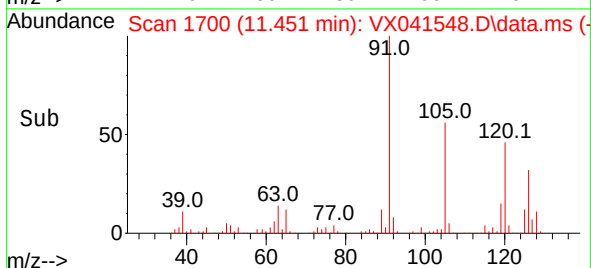
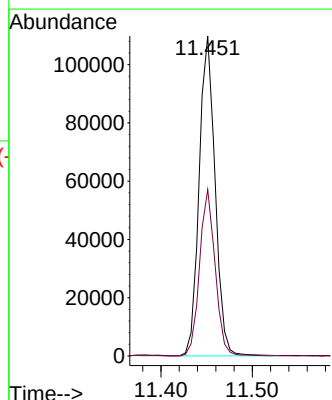
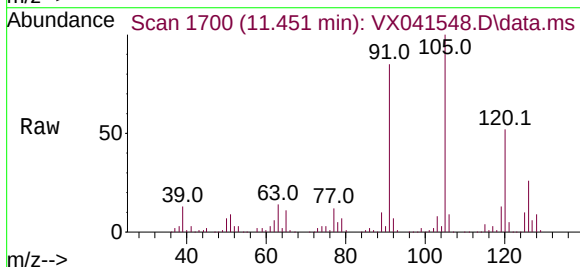
Acq: 15 May 2024 18:38

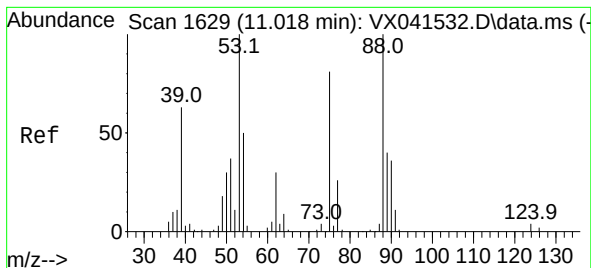
Tgt Ion:105 Resp: 133112

Ion Ratio Lower Upper

105 100

120 50.8 0.0 102.6

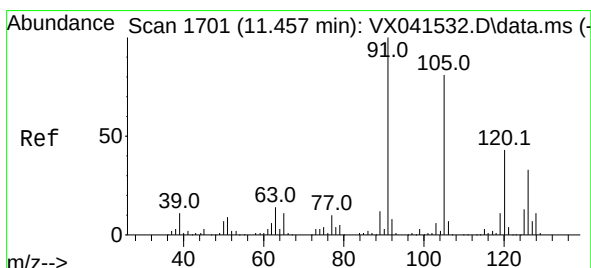
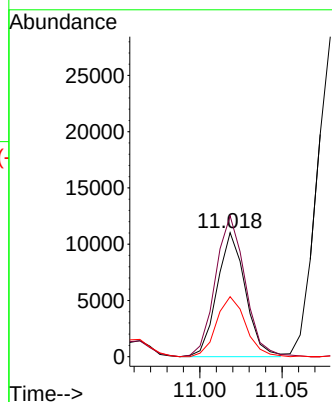
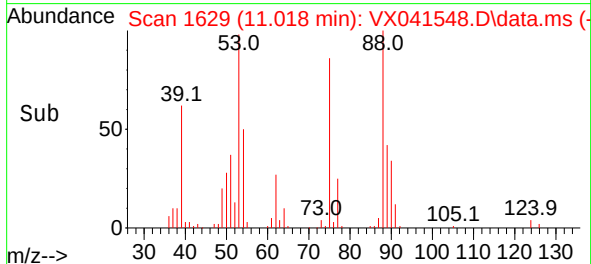
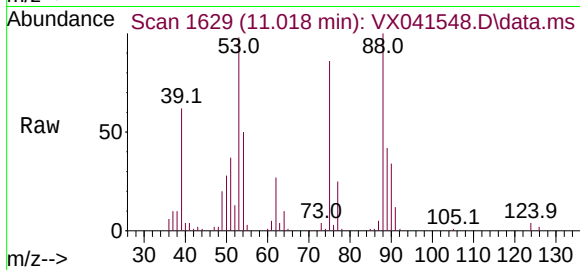




#77  
t-1,4-Dichloro-2-butene  
Concen: 16.990 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

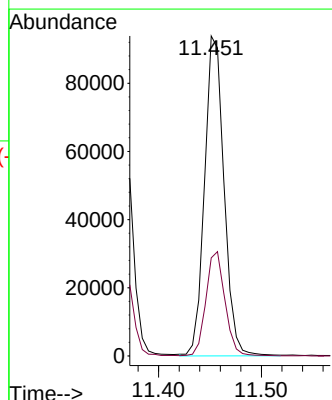
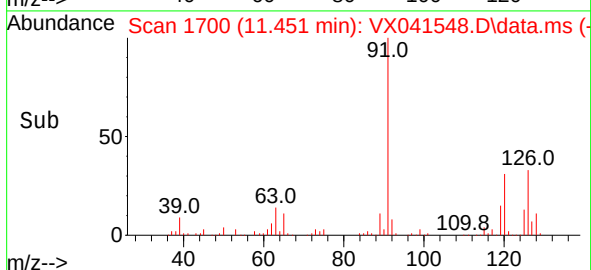
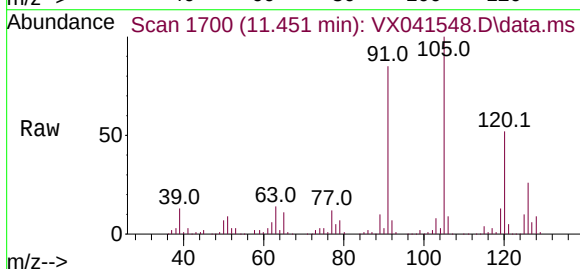
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

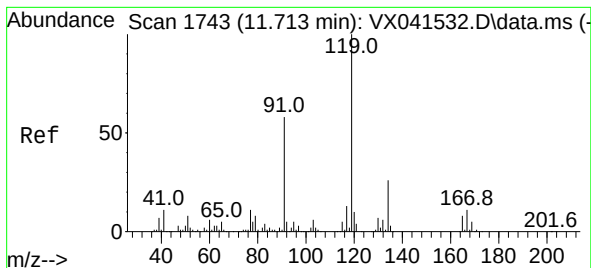
Tgt Ion: 75 Resp: 13210  
Ion Ratio Lower Upper  
75 100  
53 113.6 61.8 185.3  
89 48.3 24.9 74.7



#78  
4-Chlorotoluene  
Concen: 19.271 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VX041548.D  
Acq: 15 May 2024 18:38

Tgt Ion: 91 Resp: 124100  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 62.2





#79

tert-butylbenzene

Concen: 18.584 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

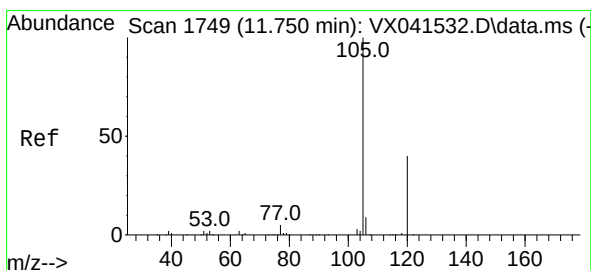
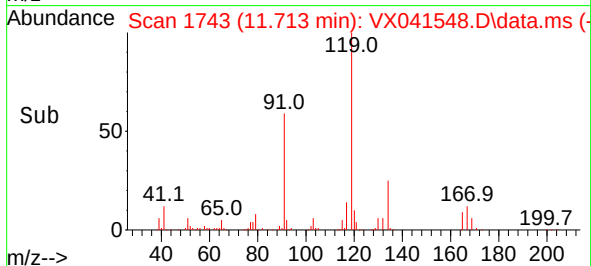
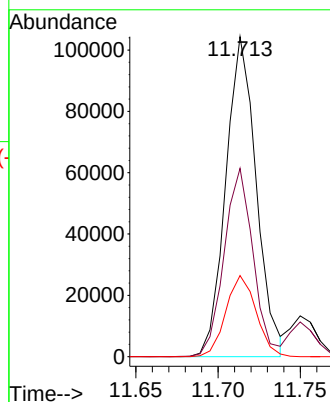
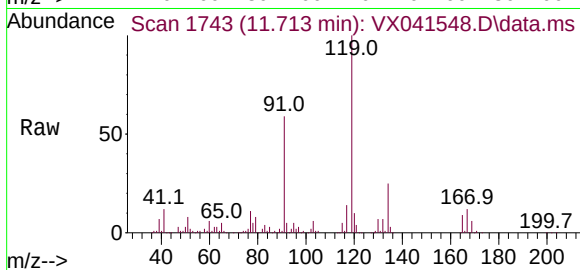
Tgt Ion:119 Resp: 134804

Ion Ratio Lower Upper

119 100

91 56.2 0.0 110.0

134 25.2 0.0 50.0



#80

1,2,4-Trimethylbenzene

Concen: 18.449 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041548.D

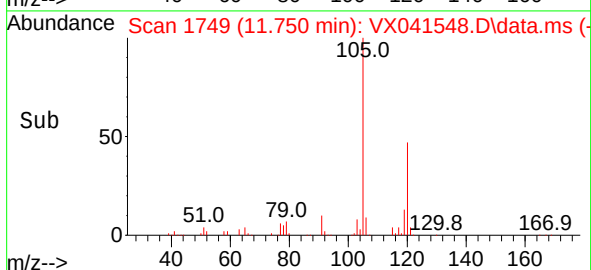
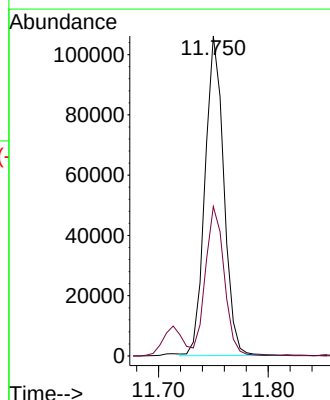
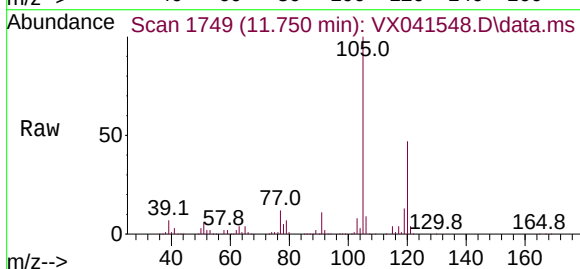
Acq: 15 May 2024 18:38

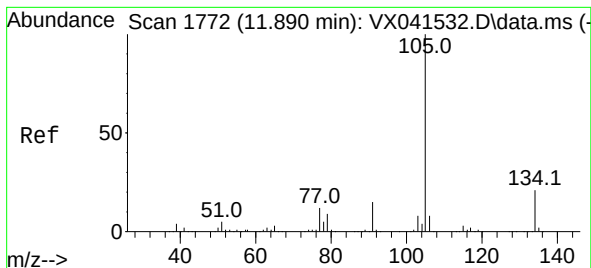
Tgt Ion:105 Resp: 126028

Ion Ratio Lower Upper

105 100

120 46.7 0.0 92.2

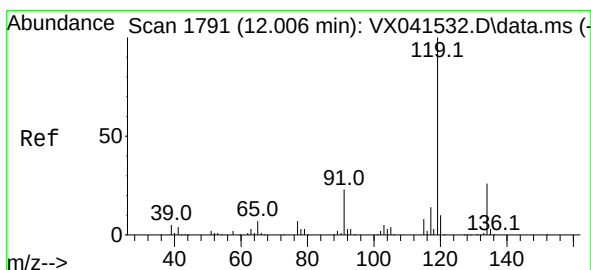
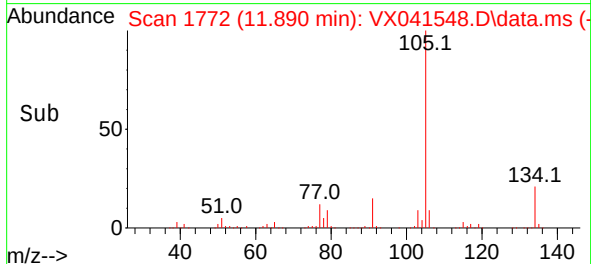
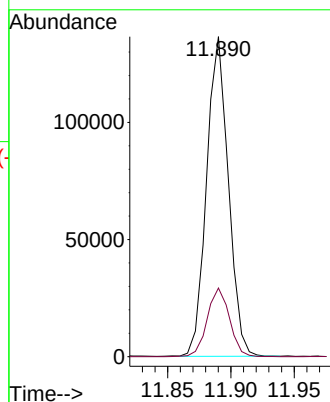
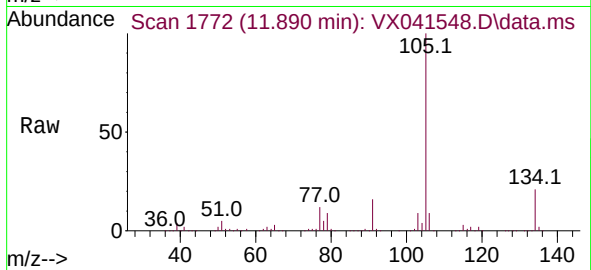




#81  
 sec-Butylbenzene  
 Concen: 19.289 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX041548.D  
 Acq: 15 May 2024 18:38

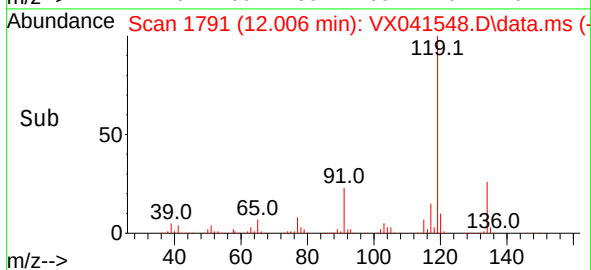
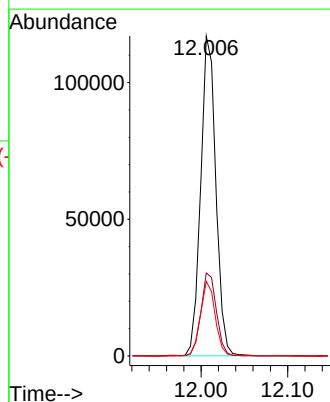
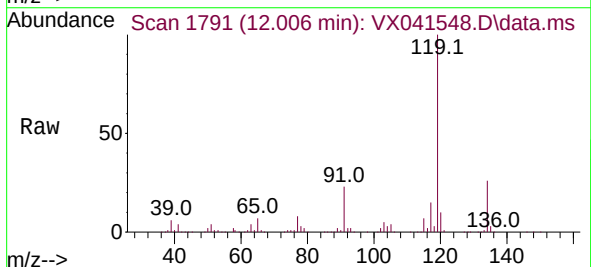
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

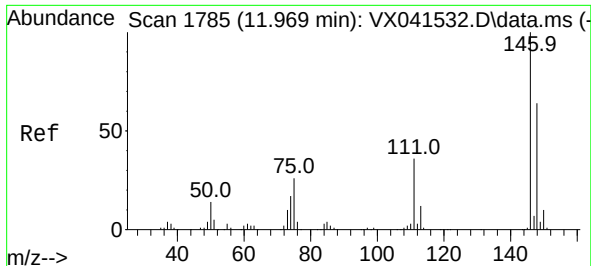
Tgt Ion:105 Resp: 163498  
 Ion Ratio Lower Upper  
 105 100  
 134 22.0 0.0 43.4



#82  
 p-Isopropyltoluene  
 Concen: 19.163 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX041548.D  
 Acq: 15 May 2024 18:38

Tgt Ion:119 Resp: 142189  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 0.0 53.4  
 91 22.8 0.0 44.8





#83

1,3-Dichlorobenzene

Concen: 18.736 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

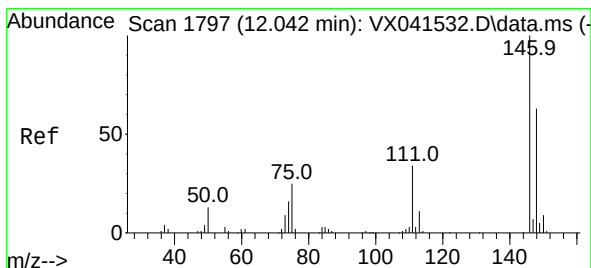
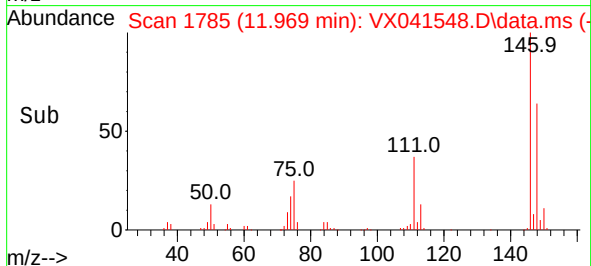
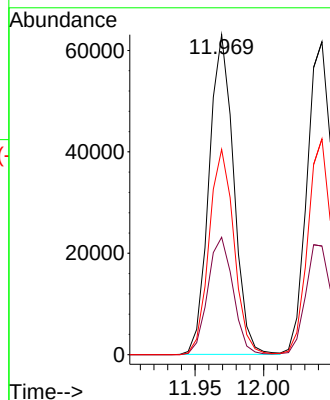
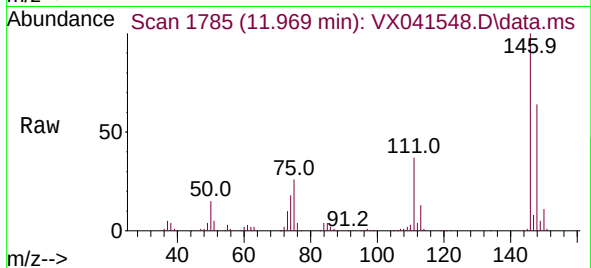
Tgt Ion:146 Resp: 78836

Ion Ratio Lower Upper

146 100

111 37.7 18.4 55.2

148 65.0 32.3 96.9



#84

1,4-Dichlorobenzene

Concen: 18.897 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

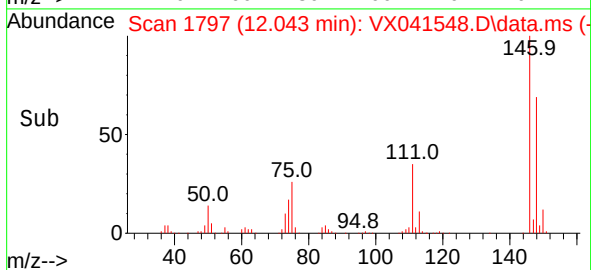
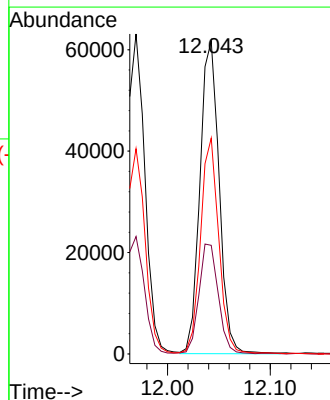
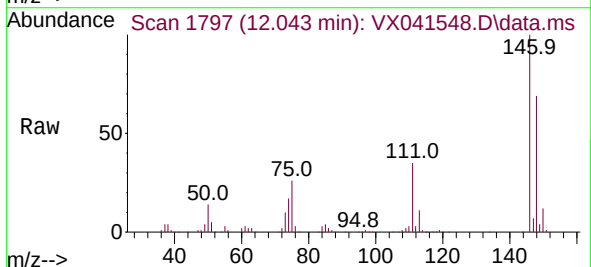
Tgt Ion:146 Resp: 80345

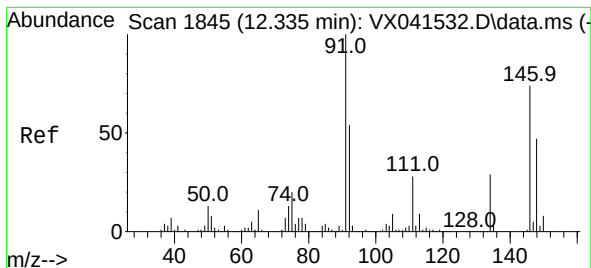
Ion Ratio Lower Upper

146 100

111 35.4 17.8 53.5

148 64.4 31.9 95.5





#85

n-Butylbenzene

Concen: 18.073 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

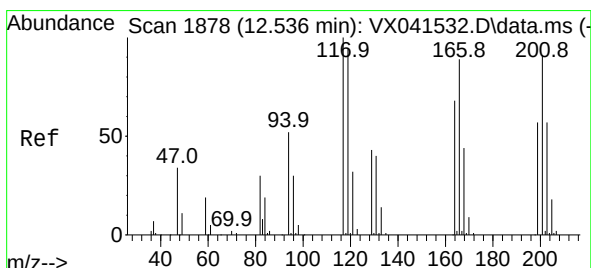
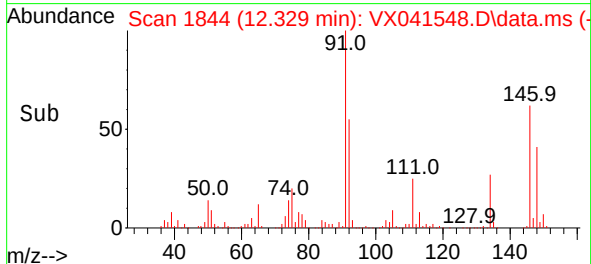
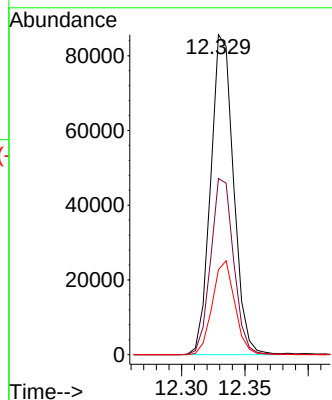
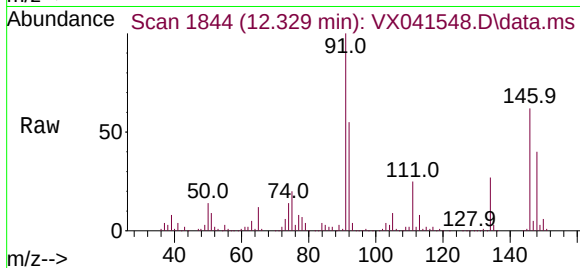
Tgt Ion: 91 Resp: 107907

Ion Ratio Lower Upper

91 100

92 55.4 0.0 108.4

134 28.8 0.0 56.6



#86

Hexachloroethane

Concen: 16.668 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX041548.D

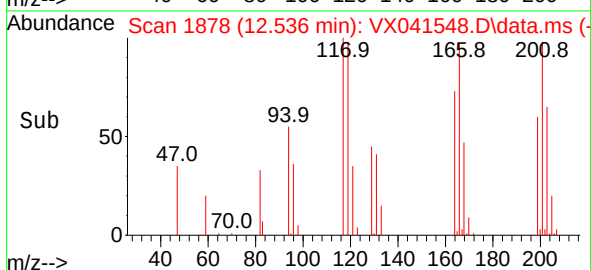
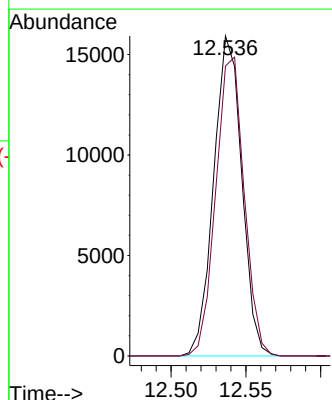
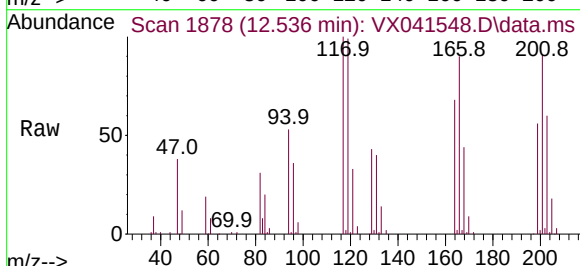
Acq: 15 May 2024 18:38

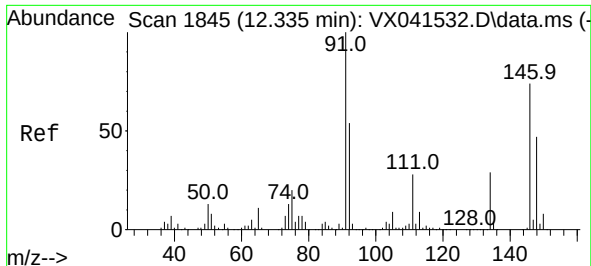
Tgt Ion: 117 Resp: 20822

Ion Ratio Lower Upper

117 100

201 94.3 47.3 141.8





#87

1,2-Dichlorobenzene

Concen: 19.164 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

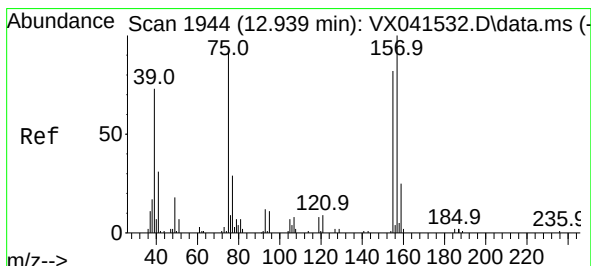
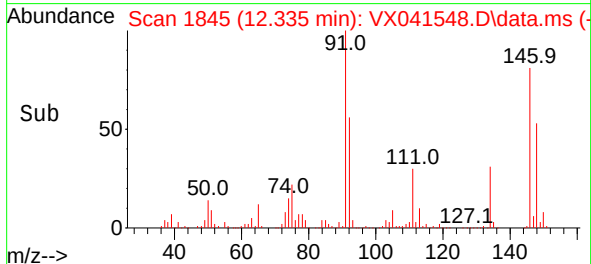
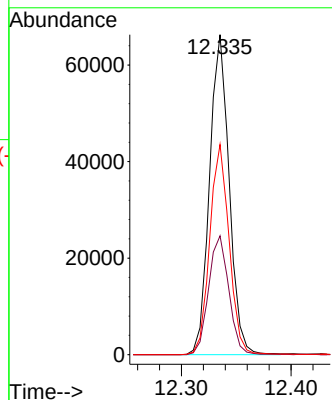
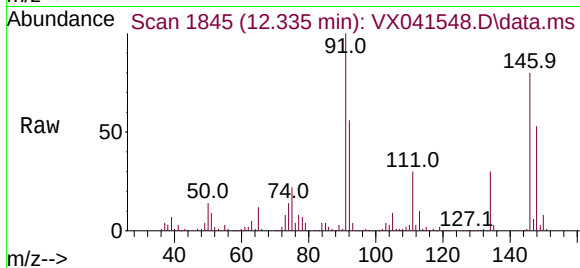
Tgt Ion:146 Resp: 82305

Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.9

148 65.1 31.8 95.4



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.177 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

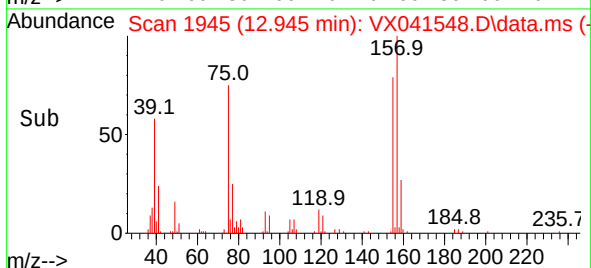
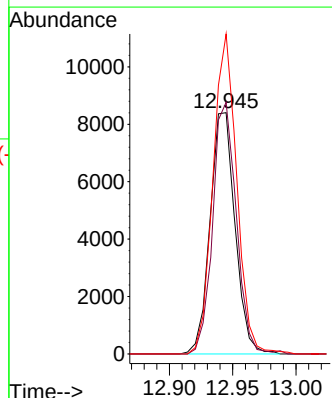
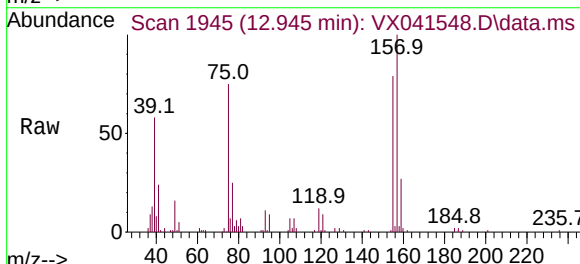
Tgt Ion: 75 Resp: 11552

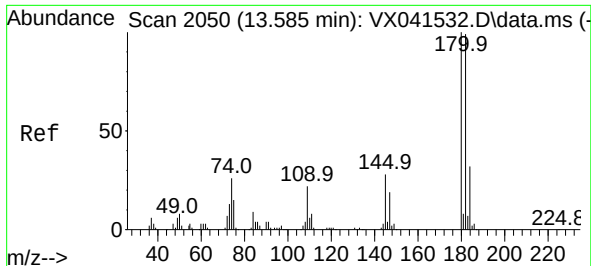
Ion Ratio Lower Upper

75 100

155 98.3 80.4 120.6

157 125.7 102.2 153.2





#89

1,2,4-Trichlorobenzene

Concen: 18.241 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

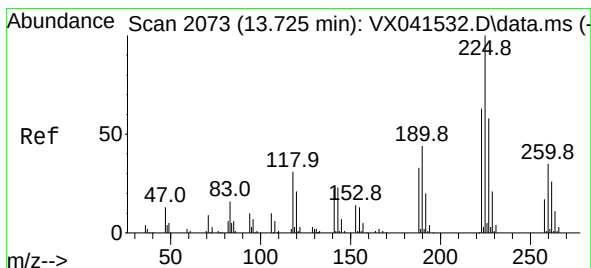
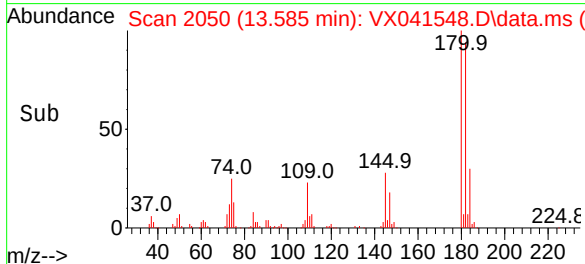
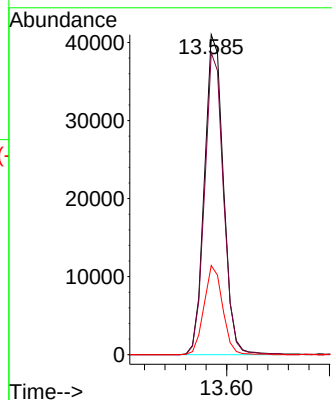
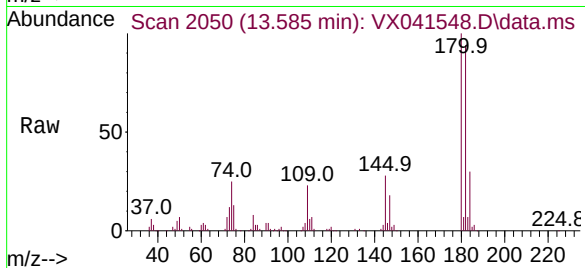
Tgt Ion:180 Resp: 52638

Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.4

145 27.3 22.7 34.1



#90

Hexachlorobutadiene

Concen: 18.833 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

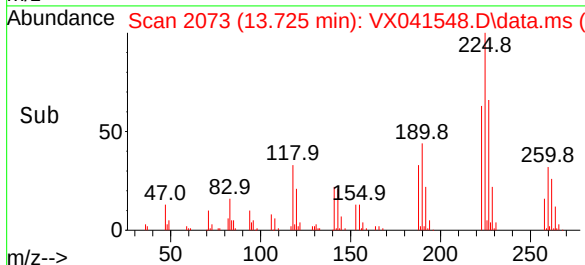
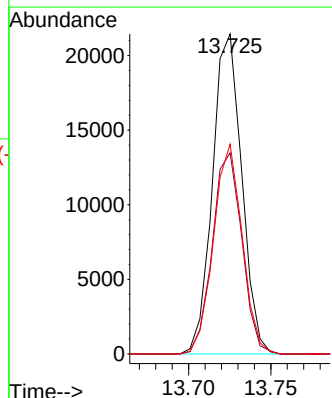
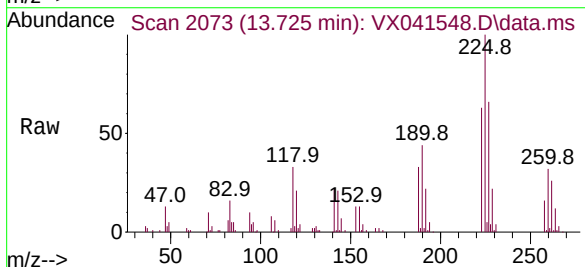
Tgt Ion:225 Resp: 26514

Ion Ratio Lower Upper

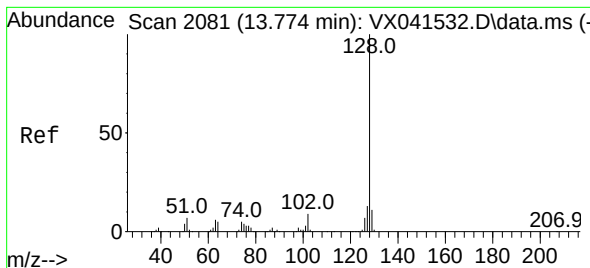
225 100

223 63.4 0.0 125.8

227 64.2 0.0 125.6







#91

Naphthalene

Concen: 19.345 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

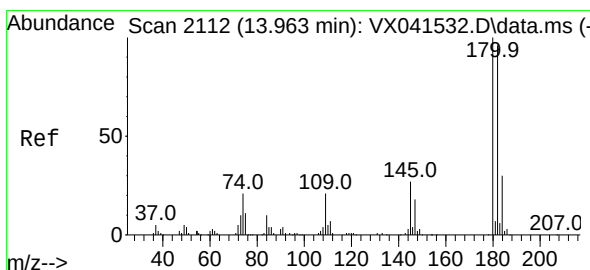
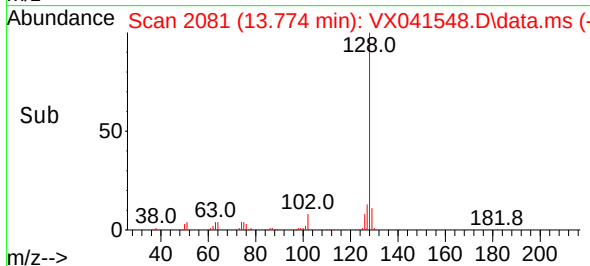
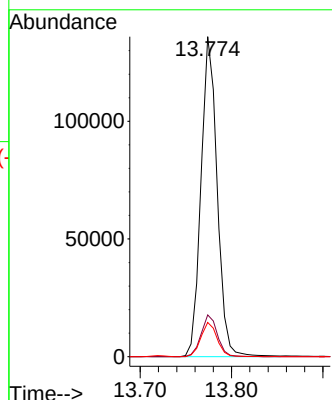
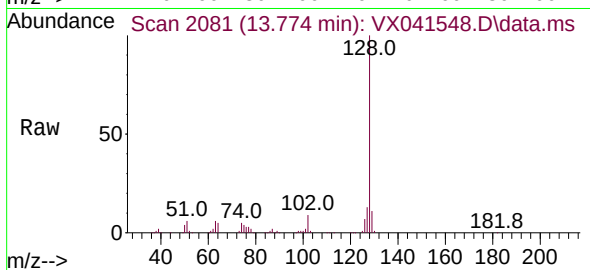
Tgt Ion:128 Resp: 166847

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 19.322 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041548.D

Acq: 15 May 2024 18:38

Tgt Ion:180 Resp: 56968

Ion Ratio Lower Upper

180 100

182 96.4 0.0 191.0

145 29.3 0.0 58.6

