

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021125\  
 Data File : VU063244.D  
 Acq On : 11 Feb 2025 18:40  
 Operator : MD/SY  
 Sample : Q1168-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 12 04:12:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Feb 12 04:10:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 49553    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.624 | 95   | 15655    | 0.958  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 96.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 16491    | 0.970  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 97.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 13119    | 0.815  | ug/l    | 98       |
| 3) Chloromethane             | 1.515  | 50   | 15616    | 0.842  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 15256    | 0.832  | ug/l    | 98       |
| 5) Bromomethane              | 1.846  | 94   | 8208     | 0.916  | ug/l    | 100      |
| 6) Chloroethane              | 1.924  | 64   | 9616     | 0.832  | ug/l    | 98       |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 18096    | 0.832  | ug/l    | 93       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 9988     | 0.809  | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 9985     | 0.794  | ug/l    | 95       |
| 10) Iodomethane              | 2.711  | 142  | 16182    | 0.819  | ug/l    | 97       |
| 11) Allyl Chloride           | 2.911  | 41   | 14578    | 0.807  | ug/l    | 98       |
| 12) Acrylonitrile            | 3.322  | 53   | 4052     | 1.397  | ug/l    | 95       |
| 13) Acetone                  | 2.618  | 43   | 9341     | 4.189  | ug/l    | 90       |
| 14) Carbon Disulfide         | 2.782  | 76   | 34229    | 0.779  | ug/l    | 98       |
| 15) Methylene Chloride       | 3.033  | 84   | 12803    | 0.824  | ug/l    | 95       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 11760    | 0.820  | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 21979    | 0.813  | ug/l    | 99       |
| 18) 2-Butanone               | 4.715  | 43   | 11501    | 3.241  | ug/l    | 98       |
| 19) Cyclohexane              | 5.377  | 56   | 14493    | 0.667  | ug/l    | 86       |
| 20) Methylcyclohexane        | 6.750  | 83   | 15957    | 0.740  | ug/l    | 99       |
| 21) 2,2-Dichloropropane      | 4.647  | 77   | 15894    | 0.753  | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 11989    | 0.773  | ug/l    | 95       |
| 23) Diethyl Ether            | 2.367  | 59   | 8556     | 0.793  | ug/l    | 99       |
| 24) tert-Butyl Alcohol       | 3.168  | 59   | 13997    | 10.667 | ug/l #  | 88       |
| 25) Methyl tert-Butyl Ether  | 3.351  | 73   | 24452    | 0.779  | ug/l    | 97       |
| 26) Bromochloromethane       | 4.962  | 128  | 5305     | 0.783  | ug/l    | 97       |
| 27) Chloroform               | 5.075  | 83   | 22392    | 0.820  | ug/l    | 99       |
| 28) 1,1,1-Trichloroethane    | 5.303  | 97   | 17751    | 0.803  | ug/l    | 98       |
| 29) 1,1-Dichloropropene      | 5.518  | 75   | 15015    | 0.758  | ug/l    | 98       |
| 30) Carbon Tetrachloride     | 5.512  | 117  | 14690    | 0.775  | ug/l    | 99       |
| 31) Isopropyl Ether          | 3.978  | 45   | 29023    | 0.752  | ug/l    | 94       |
| 32) Ethyl-t-butyl ether      | 4.489  | 59   | 25279    | 0.720  | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.927  | 73   | 22476    | 0.733  | ug/l    | 98       |
| 34) Propionitrile            | 4.795  | 54   | 1964     | 1.835  | ug/l #  | 98       |
| 35) Benzene                  | 5.766  | 78   | 48986    | 0.805  | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.785  | 62   | 13566    | 0.772  | ug/l    | 99       |
| 37) Trichloroethene          | 6.534  | 130  | 11650    | 0.805  | ug/l    | 97       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 13046    | 0.819  | ug/l    | 96       |
| 39) Methacrylonitrile        | 4.981  | 41   | 2195     | 0.550  | ug/l #  | 80       |
| 40) Methyl acrylate          | 4.808  | 55   | 184      | 0.025  | ug/l #  | 69       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 3703     | 1.596  | ug/l    | 89       |
| 42) 1-Chlorobutane           | 5.448  | 56   | 20561    | 0.759  | ug/l    | 94       |
| 43) Dibromomethane           | 6.914  | 93   | 6652     | 0.824  | ug/l    | 95       |
| 44) Bromodichloromethane     | 7.097  | 83   | 15142    | 0.806  | ug/l    | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021125\  
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 Sample : Q1168-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

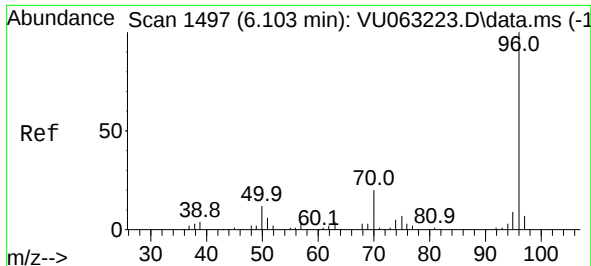
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 12 04:12:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Feb 12 04:10:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 28021    | 3.312 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.814 | 75   | 12489    | 3.140 | ug/l # | 45       |
| 47) Methyl methacrylate       | 6.959  | 69   | 9411     | 1.385 | ug/l   | 95       |
| 48) Ethyl methacrylate        | 8.329  | 69   | 8369     | 0.656 | ug/l   | 92       |
| 49) Toluene                   | 7.962  | 92   | 24896    | 0.711 | ug/l   | 95       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 12700    | 0.739 | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene   | 7.599  | 75   | 16394    | 0.772 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8777     | 0.807 | ug/l   | 93       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 15888    | 0.823 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.679  | 43   | 18324    | 3.174 | ug/l   | 94       |
| 55) Dibromochloromethane      | 8.801  | 129  | 9867     | 0.788 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 7947     | 0.779 | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.544  | 164  | 9731     | 0.815 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.441  | 112  | 29413    | 0.796 | ug/l   | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 9814     | 0.739 | ug/l   | 92       |
| 61) Pentachloroethane         | 11.415 | 117  | 8915     | 0.751 | ug/l   | 93       |
| 62) Hexachloroethane          | 12.463 | 117  | 7864     | 0.749 | ug/l   | 95       |
| 63) Ethyl Benzene             | 9.563  | 91   | 43841    | 0.688 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.685  | 106  | 32379    | 1.360 | ug/l   | 97       |
| 65) o-Xylene                  | 10.091 | 106  | 16864    | 0.724 | ug/l   | 95       |
| 66) Styrene                   | 10.107 | 104  | 24030    | 0.648 | ug/l   | 97       |
| 67) Bromoform                 | 10.283 | 173  | 5273     | 0.742 | ug/l   | 96       |
| 69) Isopropylbenzene          | 10.476 | 105  | 36947    | 0.674 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 11257    | 0.768 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 12489    | 1.134 | ug/l # | 78       |
| 72) Bromobenzene              | 10.775 | 156  | 11058    | 0.749 | ug/l   | 97       |
| 73) n-propylbenzene           | 10.898 | 120  | 10183    | 0.649 | ug/l   | 95       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 10687    | 0.739 | ug/l   | 93       |
| 75) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 33034    | 0.651 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 10496    | 0.708 | ug/l   | 90       |
| 77) tert-Butylbenzene         | 11.409 | 119  | 35505    | 0.692 | ug/l   | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 31729    | 0.630 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 44774    | 0.685 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.232 | 77   | 941      | 2.698 | ug/l # | 56       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 32476    | 0.630 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 20940    | 0.731 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 21415    | 0.765 | ug/l   | 93       |
| 84) n-Butylbenzene            | 12.203 | 91   | 29869    | 0.646 | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 19542    | 0.710 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 707      | 0.343 | ug/l # | 5        |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 9173     | 0.684 | ug/l   | 92       |
| 88) Hexachlorobutadiene       | 14.010 | 225  | 7420     | 0.774 | ug/l   | 93       |
| 89) Naphthalene               | 14.094 | 128  | 11888    | 0.550 | ug/l # | 95       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 9621     | 0.733 | ug/l   | 96       |

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

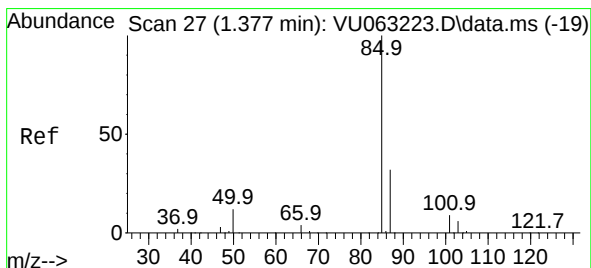
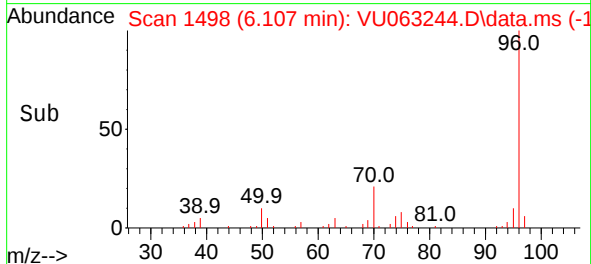
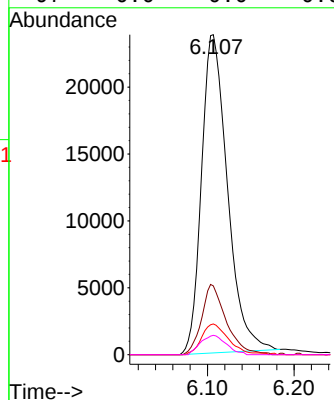
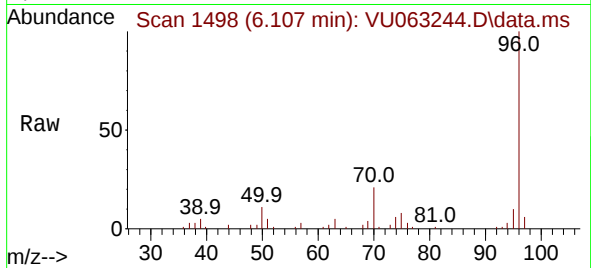




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.107 min Scan# 14  
Delta R.T. 0.004 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

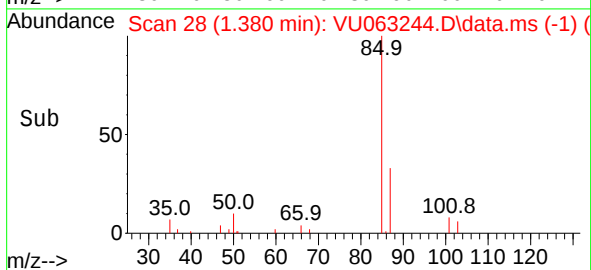
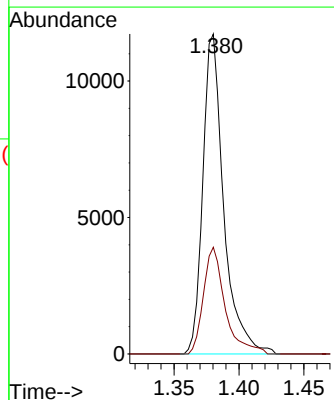
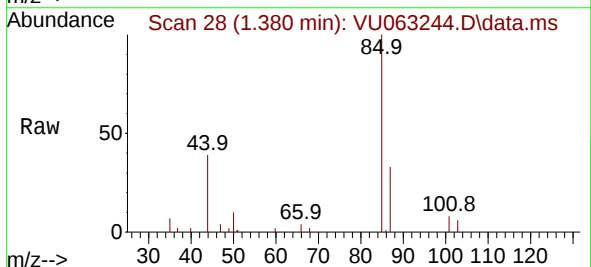
Instrument :  
MSVOA\_U  
ClientSampleId :

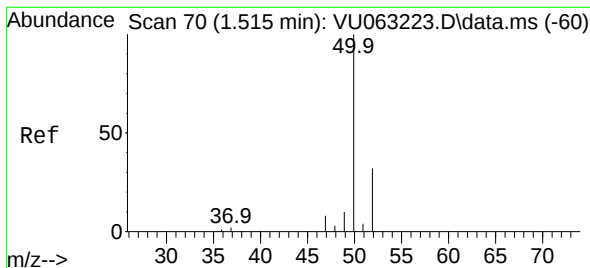
Tgt Ion: 96 Resp: 49553  
Ion Ratio Lower Upper  
96 100  
70 20.8 15.6 23.4  
95 10.0 7.3 10.9  
97 6.0 0.0 0.0#



#2  
Dichlorodifluoromethane  
Concen: 0.815 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 85 Resp: 13119  
Ion Ratio Lower Upper  
85 100  
87 33.4 16.0 48.0





#3

Chloromethane

Concen: 0.842 ug/l

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

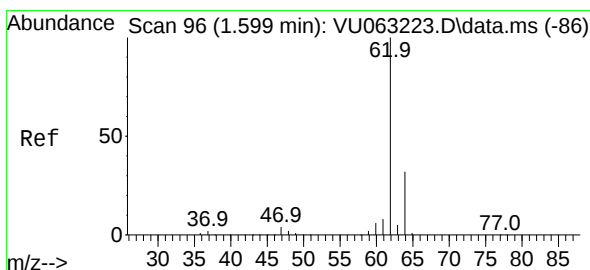
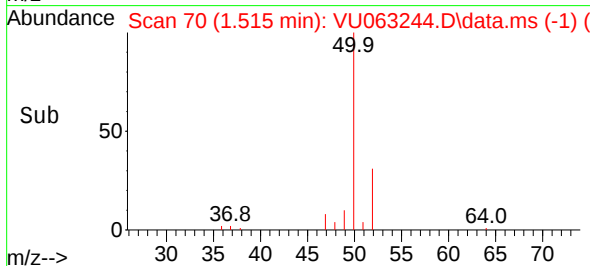
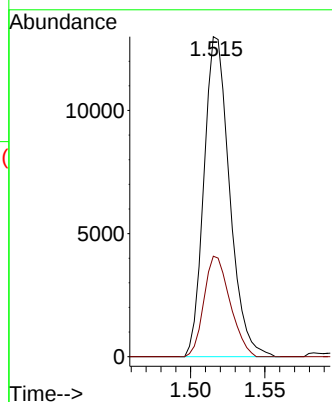
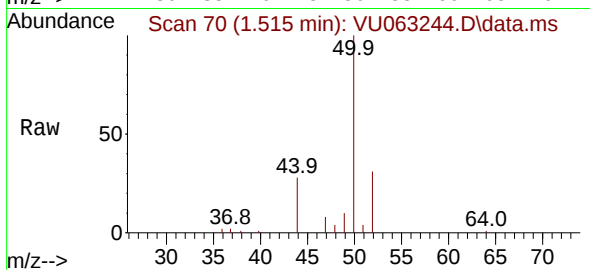
ClientSampleId :

Tgt Ion: 50 Resp: 15616

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.8



#4

Vinyl Chloride

Concen: 0.832 ug/l

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063244.D

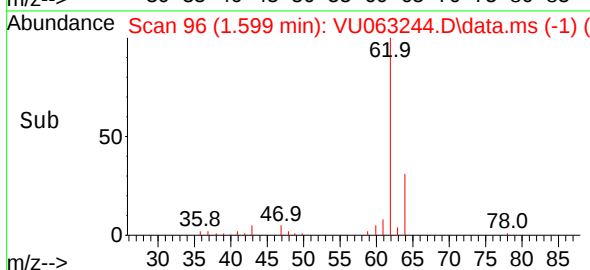
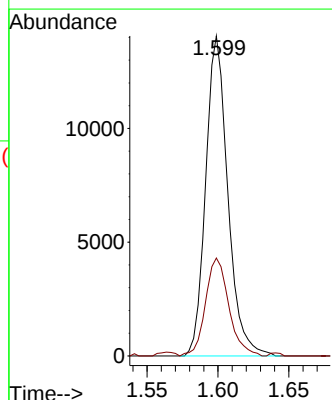
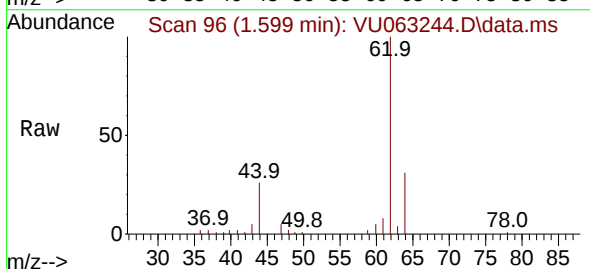
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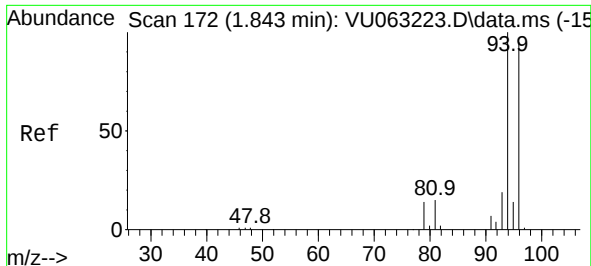
Tgt Ion: 62 Resp: 15256

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.0

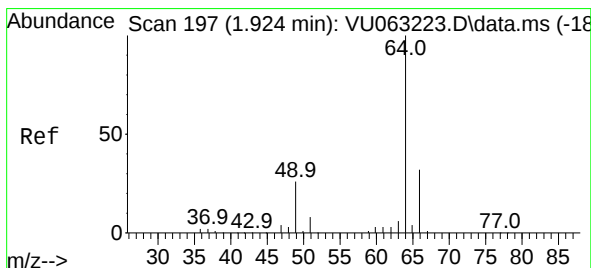
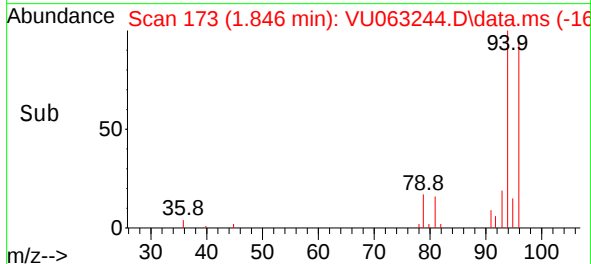
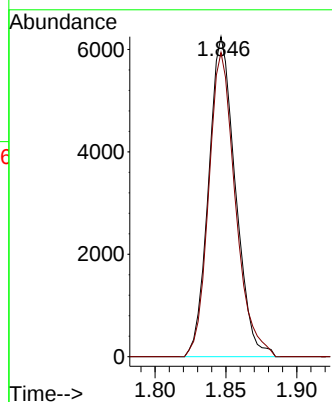
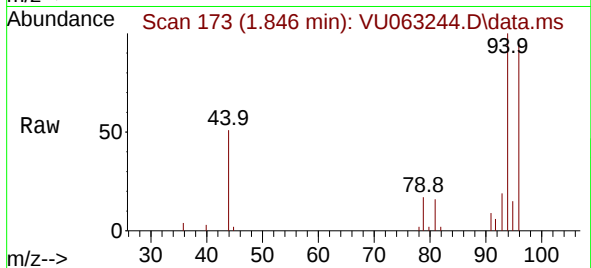




#5  
Bromomethane  
Concen: 0.916 ug/l  
RT: 1.846 min Scan# 172  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

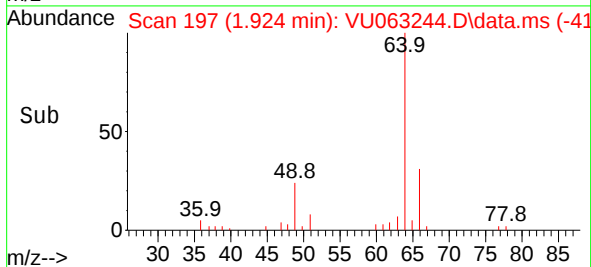
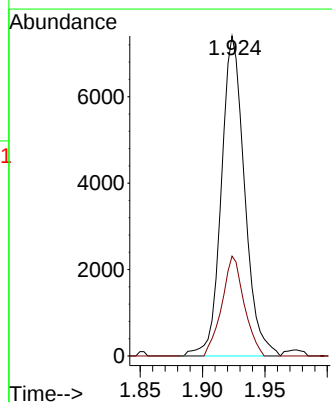
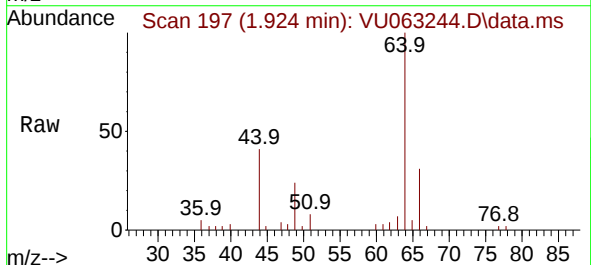
Instrument :  
MSVOA\_U  
ClientSampleId :

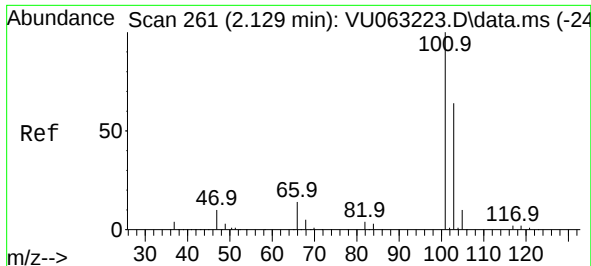
Tgt Ion: 94 Resp: 8208  
Ion Ratio Lower Upper  
94 100  
96 95.1 75.7 113.5



#6  
Chloroethane  
Concen: 0.832 ug/l  
RT: 1.924 min Scan# 197  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

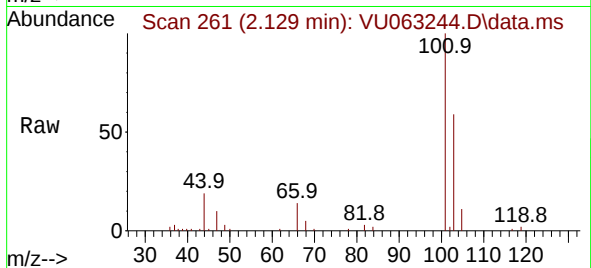
Tgt Ion: 64 Resp: 9616  
Ion Ratio Lower Upper  
64 100  
66 31.2 25.8 38.8



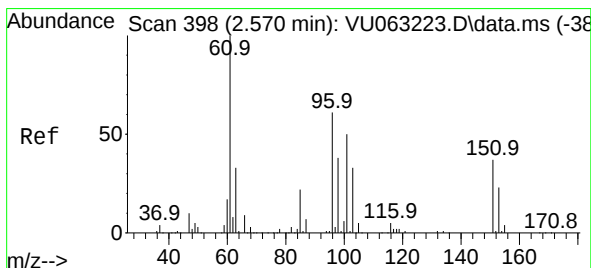
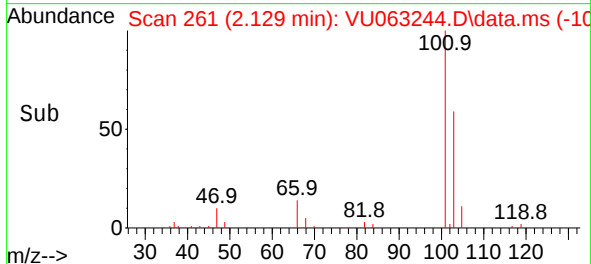
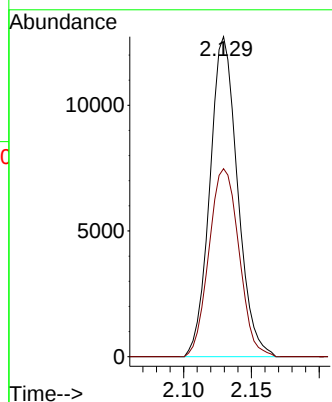


#7  
 Trichlorofluoromethane  
 Concen: 0.832 ug/l  
 RT: 2.129 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

Instrument :  
 MSVOA\_U  
 ClientSampleId :

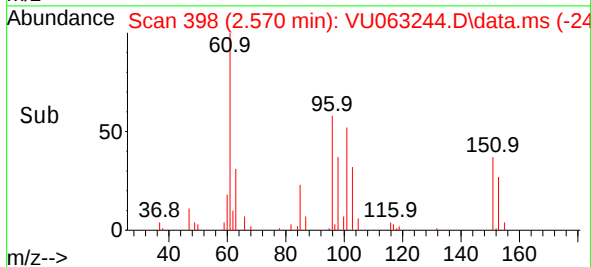
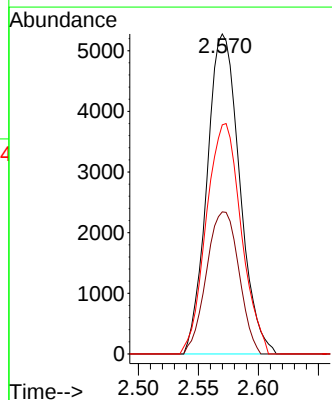
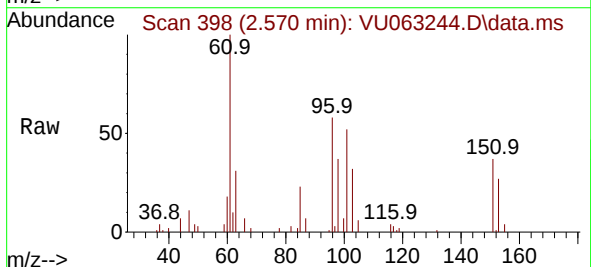


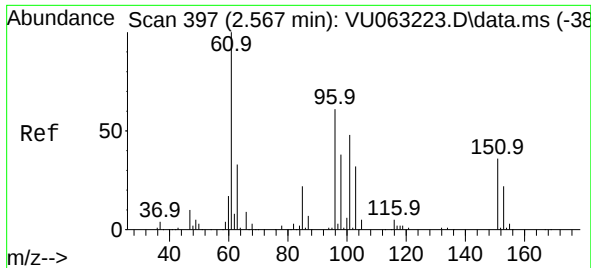
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 Ion Ratio Lower Upper  
 101 100  
 103 58.7 51.4 77.2



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.809 ug/l  
 RT: 2.570 min Scan# 398  
 Delta R.T. 0.000 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

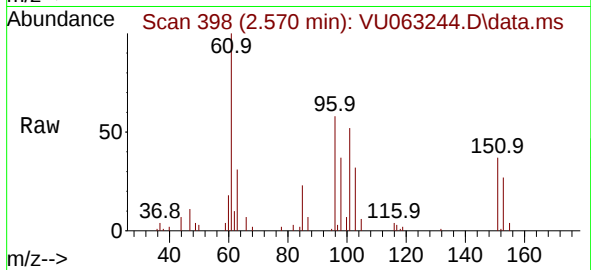
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 Ion Ratio Lower Upper  
 101 100  
 85 44.1 35.4 53.0  
 151 76.9 58.5 87.7



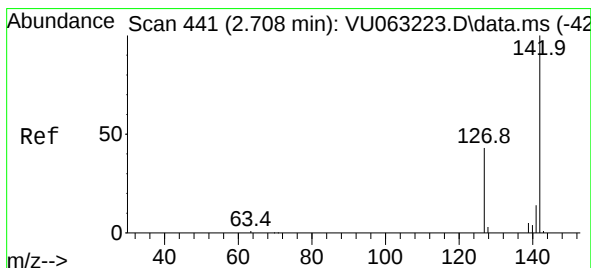
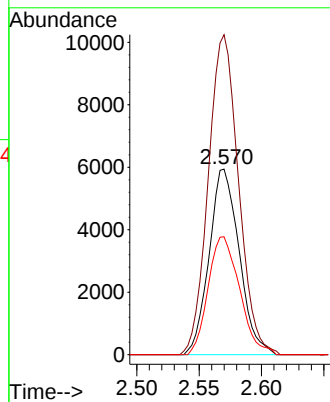
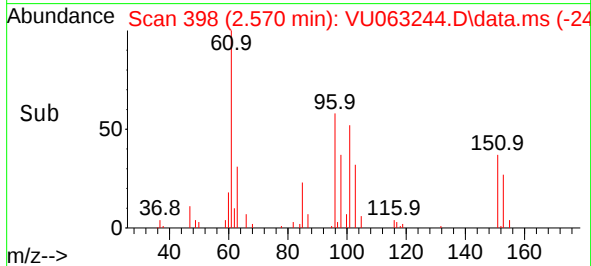


#9  
1,1-Dichloroethene  
Concen: 0.794 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

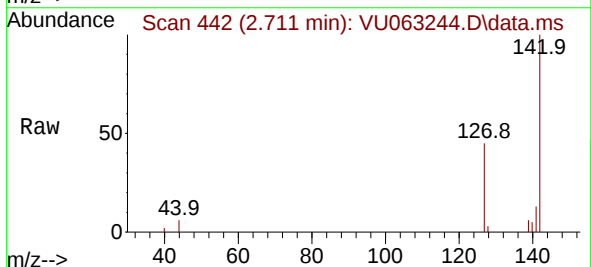
Instrument :  
MSVOA\_U  
ClientSampleId :



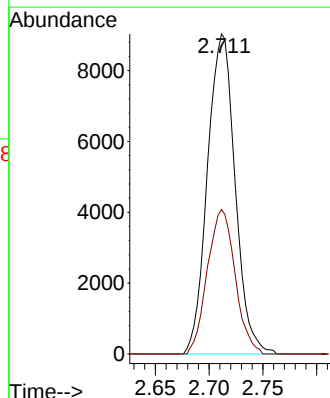
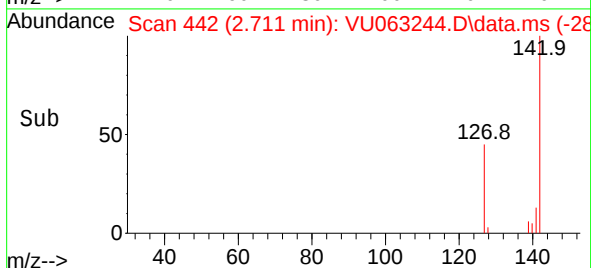
Tgt Ion: 96 Resp: 9985  
Ion Ratio Lower Upper  
96 100  
61 172.3 0.0 492.9  
98 63.5 0.0 124.0

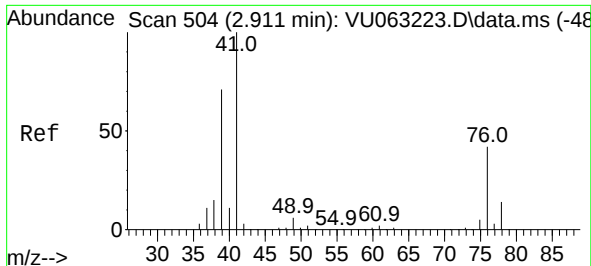


#10  
Iodomethane  
Concen: 0.819 ug/l  
RT: 2.711 min Scan# 442  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40



Tgt Ion: 142 Resp: 16182  
Ion Ratio Lower Upper  
142 100  
127 45.2 34.5 51.7

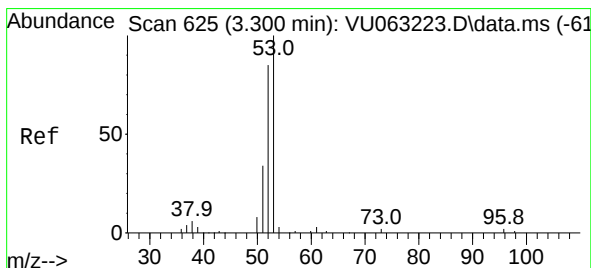
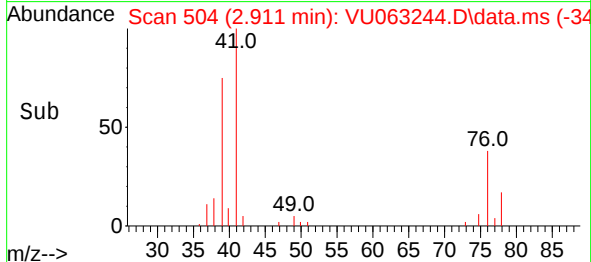
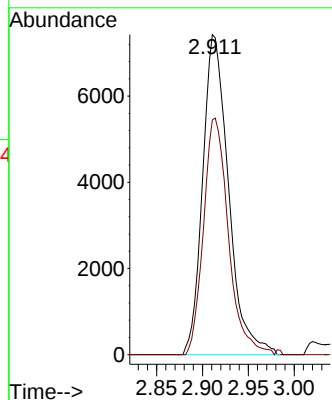
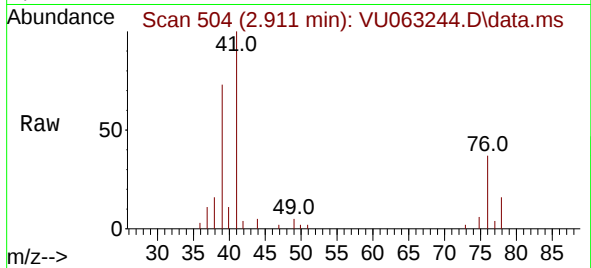




#11  
 Allyl Chloride  
 Concen: 0.807 ug/l  
 RT: 2.911 min Scan# 504  
 Delta R.T. 0.000 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

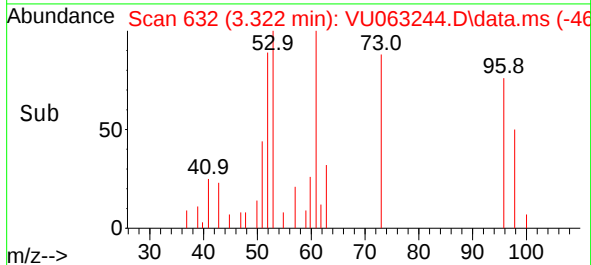
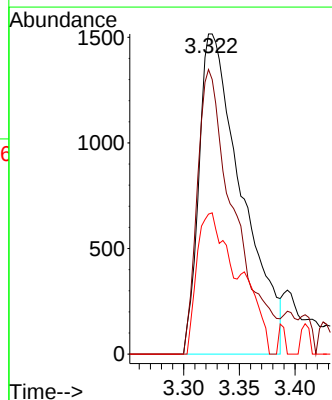
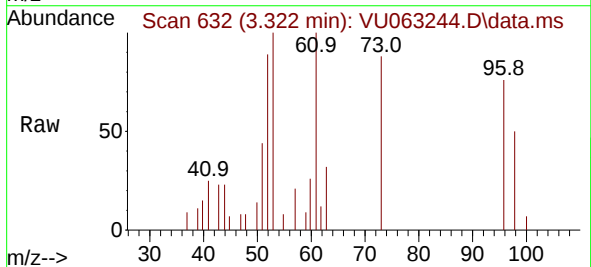
Instrument :  
 MSVOA\_U  
 ClientSampleId :

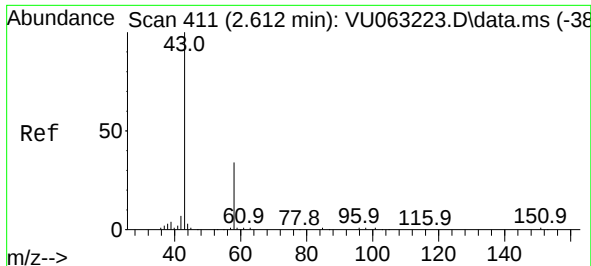
Tgt Ion: 41 Resp: 14578  
 Ion Ratio Lower Upper  
 41 100  
 39 71.1 57.9 86.9



#12  
 Acrylonitrile  
 Concen: 1.397 ug/l  
 RT: 3.322 min Scan# 632  
 Delta R.T. 0.023 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

Tgt Ion: 53 Resp: 4052  
 Ion Ratio Lower Upper  
 53 100  
 52 77.5 64.2 96.2  
 51 32.5 30.8 46.2





#13

Acetone

Concen: 4.189 ug/l

RT: 2.618 min Scan# 411

Delta R.T. 0.007 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

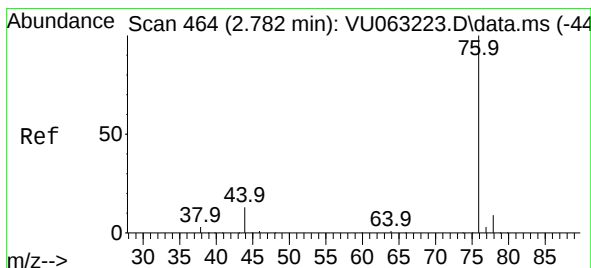
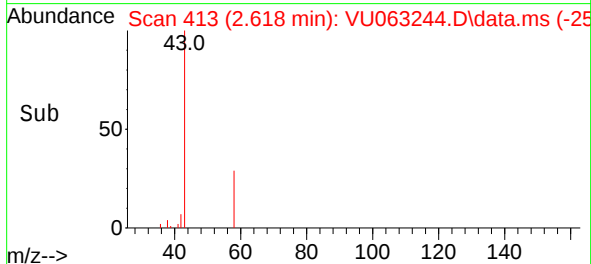
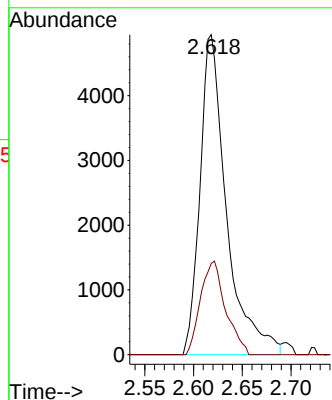
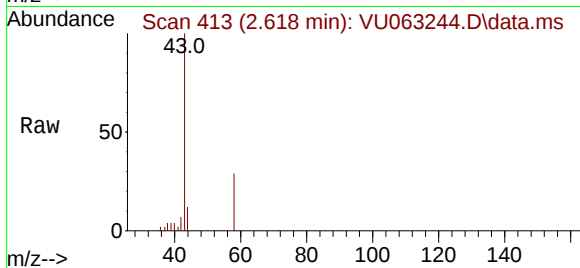
ClientSampleId :

Tgt Ion: 43 Resp: 9341

Ion Ratio Lower Upper

43 100

58 28.5 27.4 41.0



#14

Carbon Disulfide

Concen: 0.779 ug/l

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063244.D

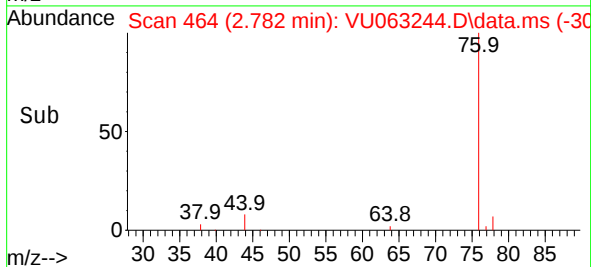
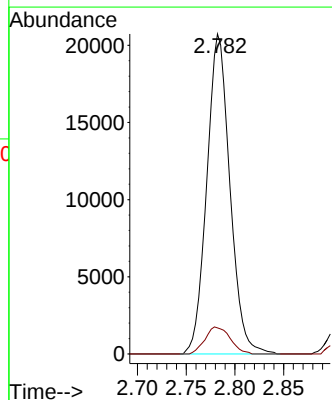
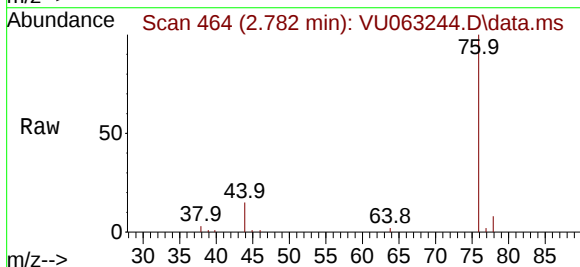
Acq: 11 Feb 2025 18:40

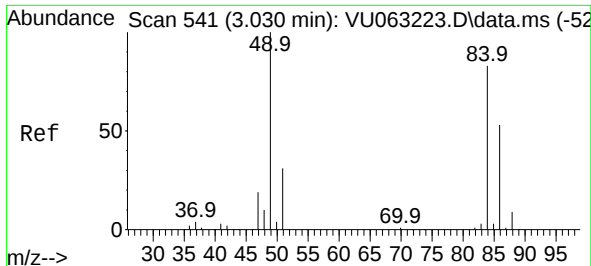
Tgt Ion: 76 Resp: 34229

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8





#15

Methylene Chloride

Concen: 0.824 ug/l

RT: 3.033 min Scan# 541

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 84 Resp: 12803

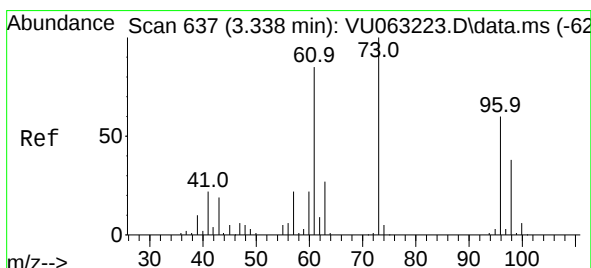
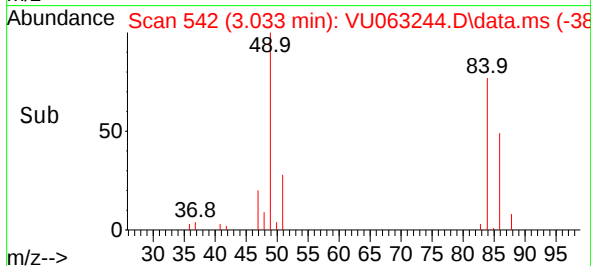
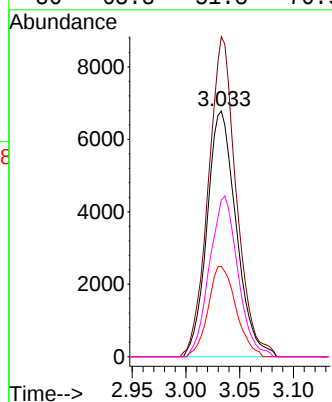
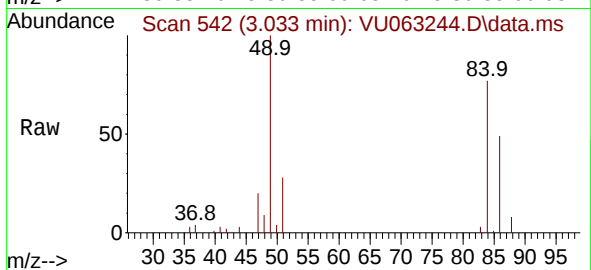
Ion Ratio Lower Upper

84 100

49 130.3 96.4 144.6

51 36.7 0.0 74.8

86 63.8 51.3 76.9



#16

trans-1,2-Dichloroethene

Concen: 0.820 ug/l

RT: 3.345 min Scan# 639

Delta R.T. 0.007 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

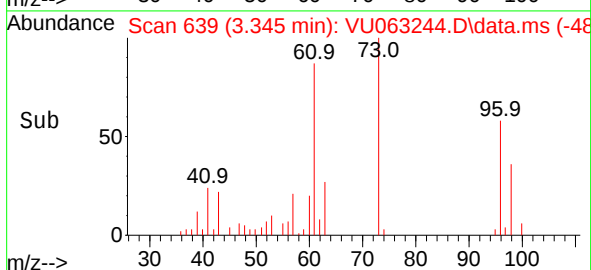
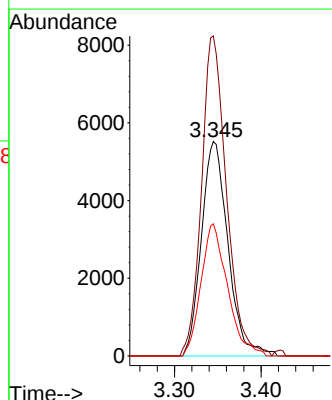
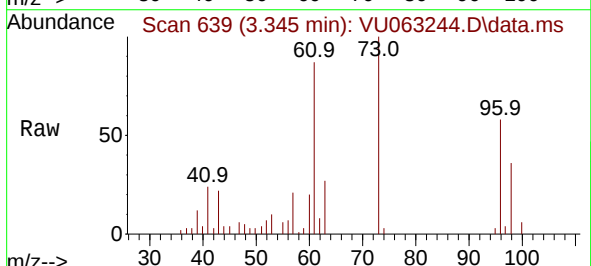
Tgt Ion: 96 Resp: 11760

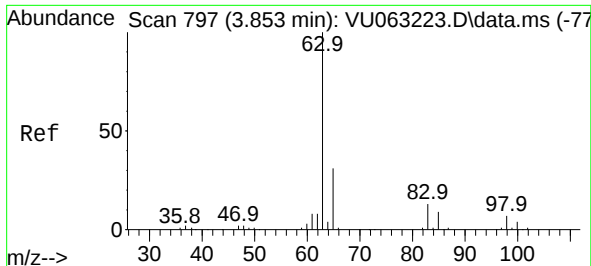
Ion Ratio Lower Upper

96 100

61 149.2 113.4 170.2

98 61.6 51.2 76.8

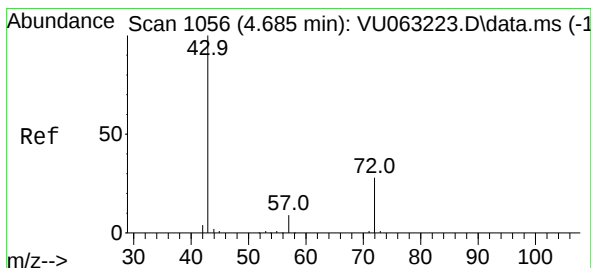
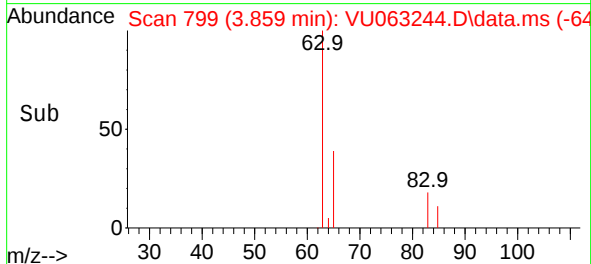
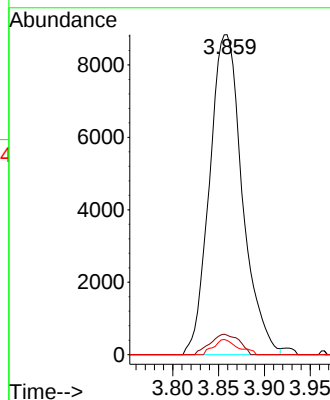
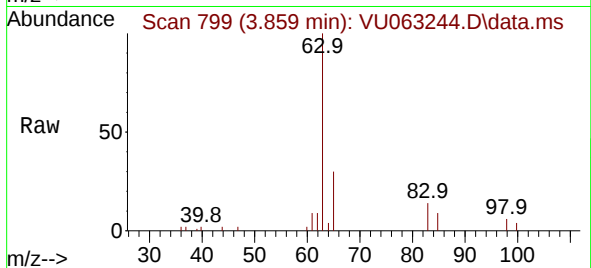




#17  
1,1-Dichloroethane  
Concen: 0.813 ug/l  
RT: 3.859 min Scan# 797  
Delta R.T. 0.007 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

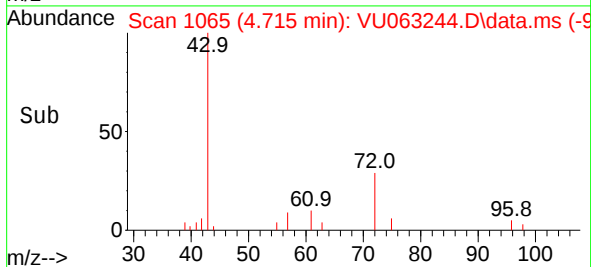
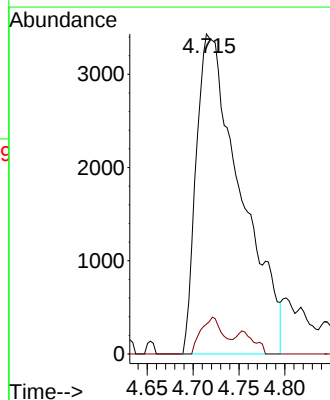
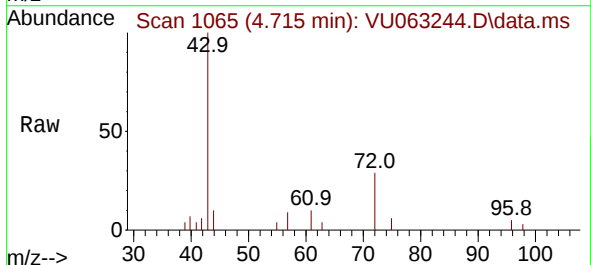
Instrument :  
MSVOA\_U  
ClientSampleId :

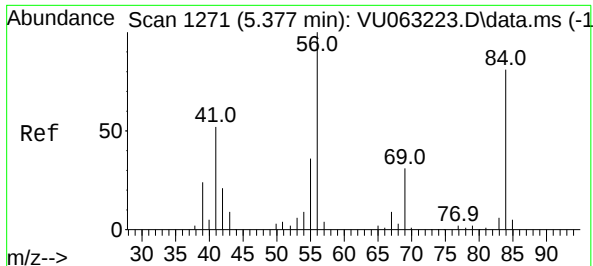
Tgt Ion: 63 Resp: 21979  
Ion Ratio Lower Upper  
63 100  
98 6.1 3.3 9.9  
100 4.4 2.1 6.2



#18  
2-Butanone  
Concen: 3.241 ug/l  
RT: 4.715 min Scan# 1065  
Delta R.T. 0.029 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 43 Resp: 11501  
Ion Ratio Lower Upper  
43 100  
57 9.3 0.0 17.0





#19

Cyclohexane

Concen: 0.667 ug/l

RT: 5.377 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

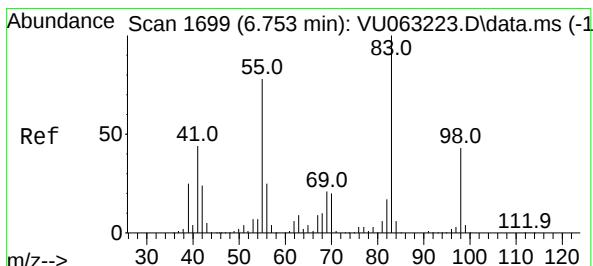
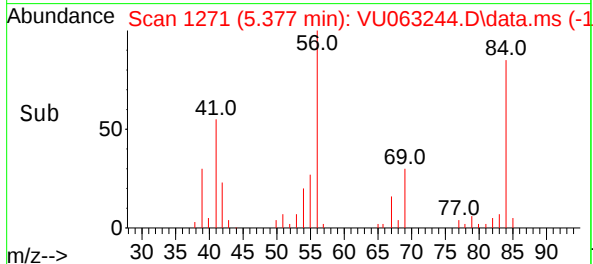
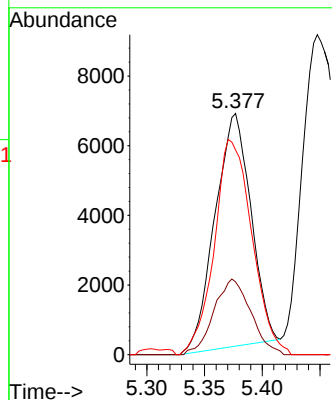
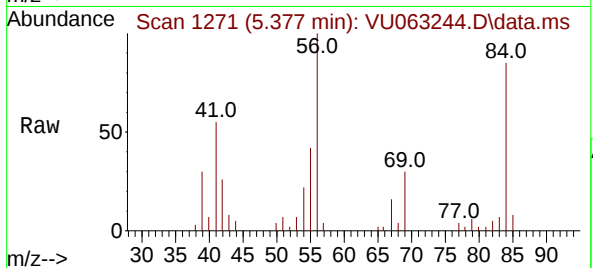
Tgt Ion: 56 Resp: 14493

Ion Ratio Lower Upper

56 100

69 33.4 24.5 36.7

84 96.9 65.2 97.8



#20

Methylcyclohexane

Concen: 0.740 ug/l

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

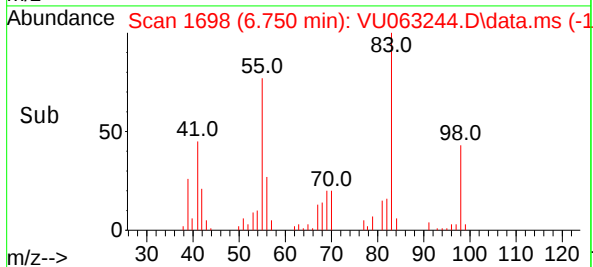
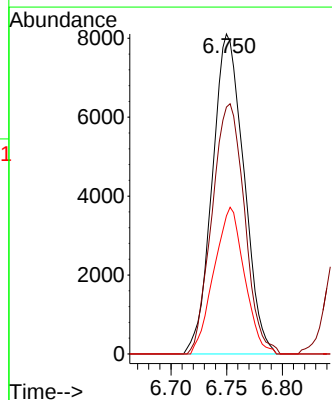
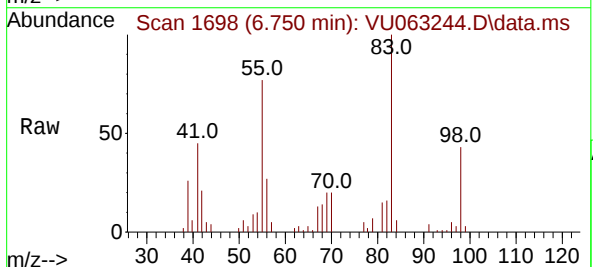
Tgt Ion: 83 Resp: 15957

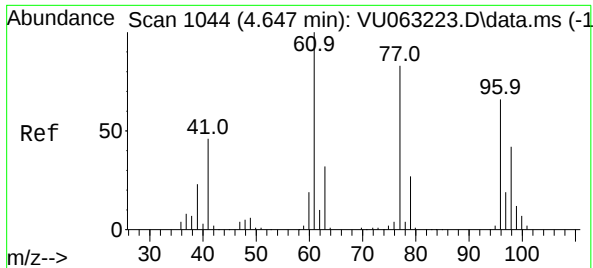
Ion Ratio Lower Upper

83 100

55 80.6 63.1 94.7

98 44.4 35.2 52.8

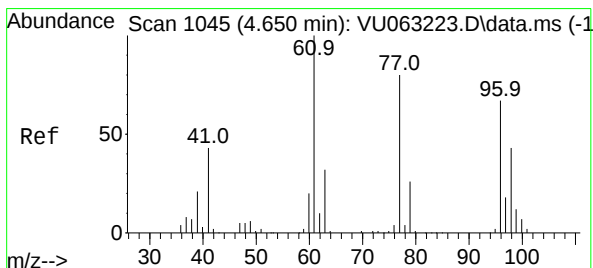
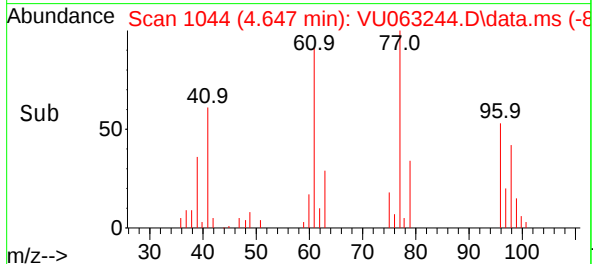
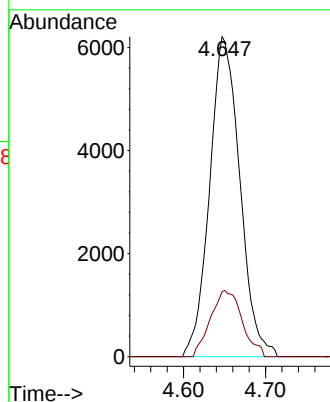
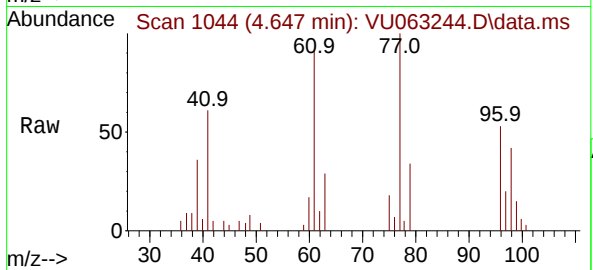




#21  
2,2-Dichloropropane  
Concen: 0.753 ug/l  
RT: 4.647 min Scan# 1044  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

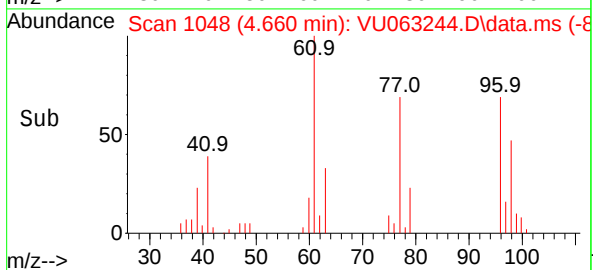
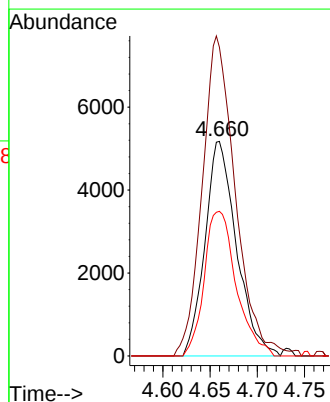
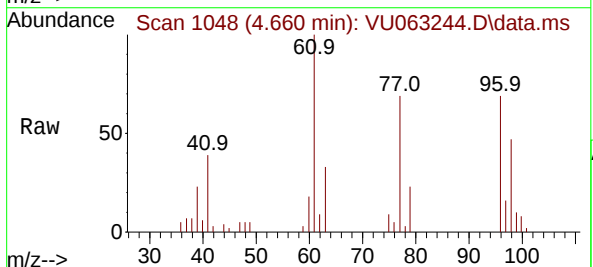
Instrument :  
MSVOA\_U  
ClientSampleId :

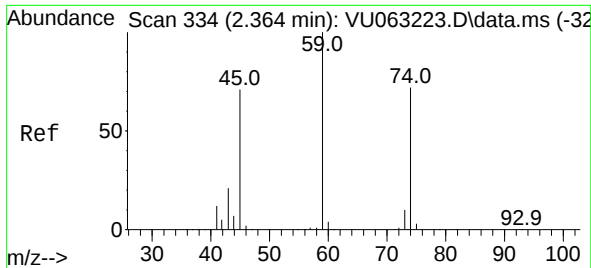
Tgt Ion: 77 Resp: 15894  
Ion Ratio Lower Upper  
77 100  
97 21.6 18.5 27.7



#22  
cis-1,2-Dichloroethene  
Concen: 0.773 ug/l  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.010 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 96 Resp: 11989  
Ion Ratio Lower Upper  
96 100  
61 156.0 0.0 373.3  
98 68.5 31.9 95.9

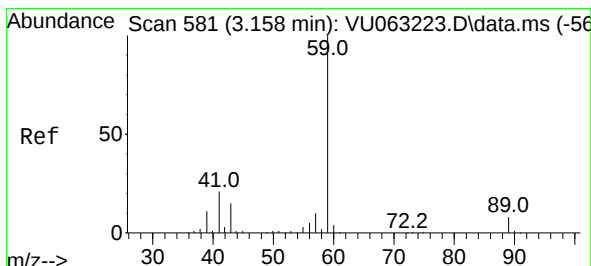
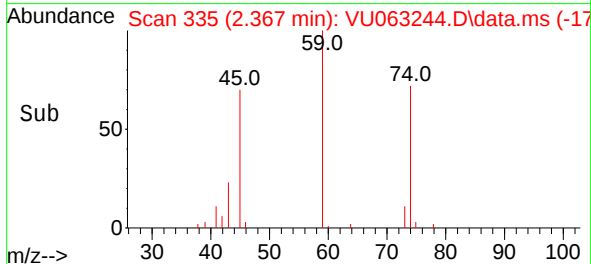
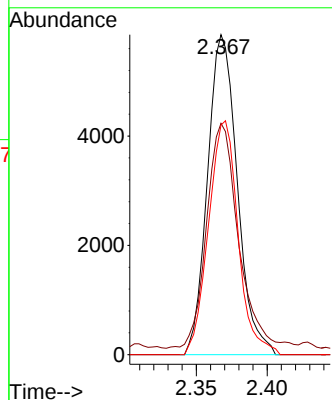
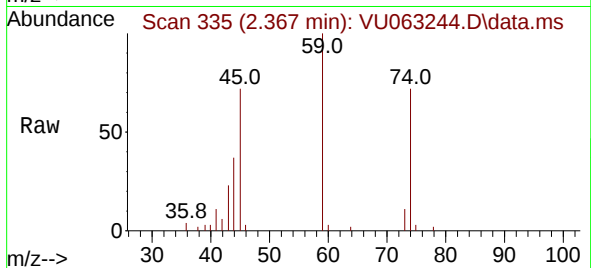




#23  
Diethyl Ether  
Concen: 0.793 ug/l  
RT: 2.367 min Scan# 341  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

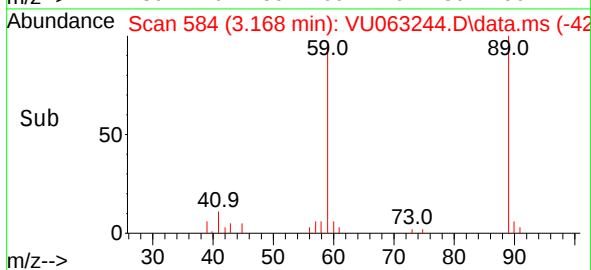
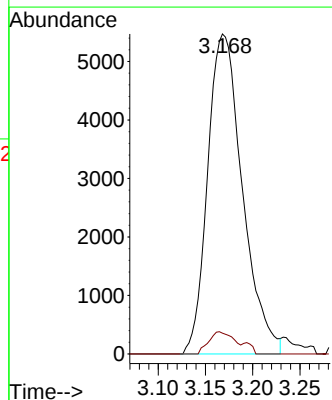
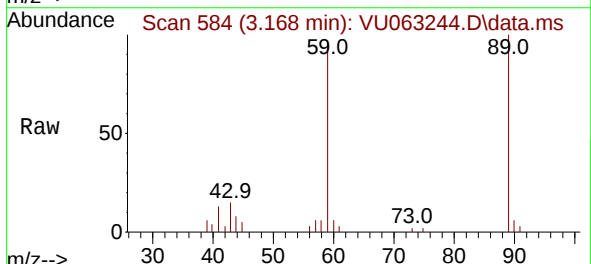
Instrument :  
MSVOA\_U  
ClientSampleId :

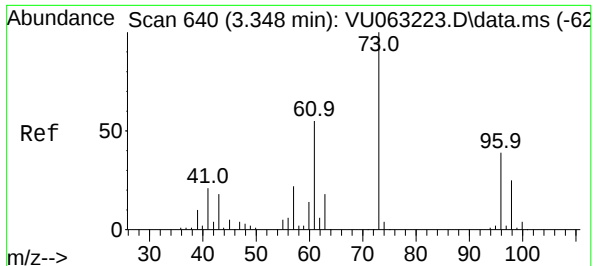
Tgt Ion: 59 Resp: 8556  
Ion Ratio Lower Upper  
59 100  
45 73.9 57.8 86.6  
74 72.6 57.7 86.5



#24  
tert-Butyl Alcohol  
Concen: 10.667 ug/l  
RT: 3.168 min Scan# 584  
Delta R.T. 0.010 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 59 Resp: 13997  
Ion Ratio Lower Upper  
59 100  
57 5.0 7.5 11.3#





#25

Methyl tert-Butyl Ether

Concen: 0.779 ug/l

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

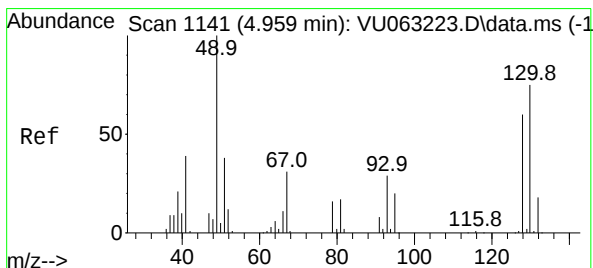
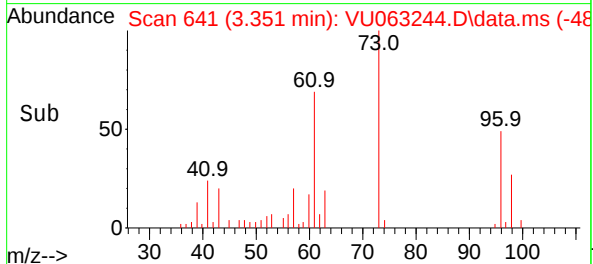
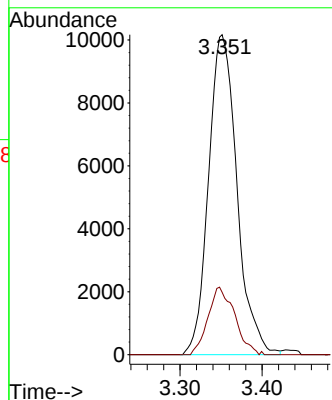
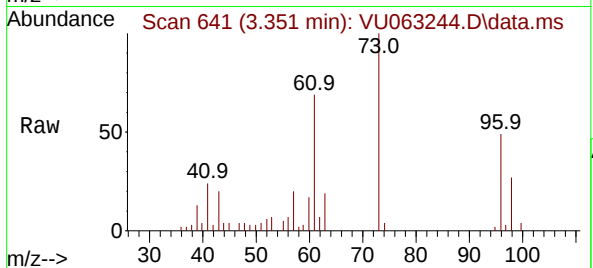
ClientSampleId :

Tgt Ion: 73 Resp: 24452

Ion Ratio Lower Upper

73 100

43 19.9 14.9 22.3



#26

Bromochloromethane

Concen: 0.783 ug/l

RT: 4.962 min Scan# 1142

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

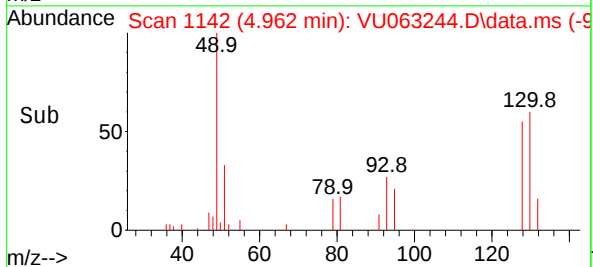
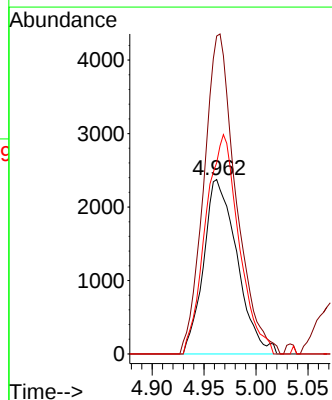
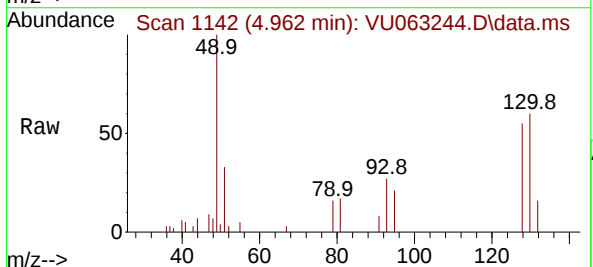
Tgt Ion: 128 Resp: 5305

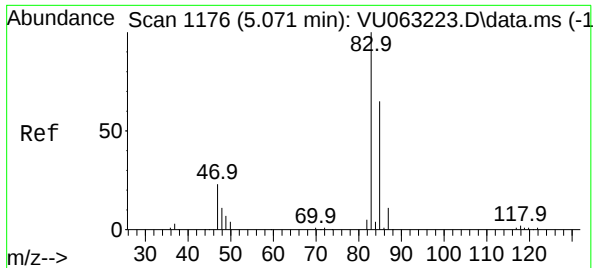
Ion Ratio Lower Upper

128 100

49 176.3 0.0 343.4

130 126.2 102.9 154.3





#27

Chloroform

Concen: 0.820 ug/l

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

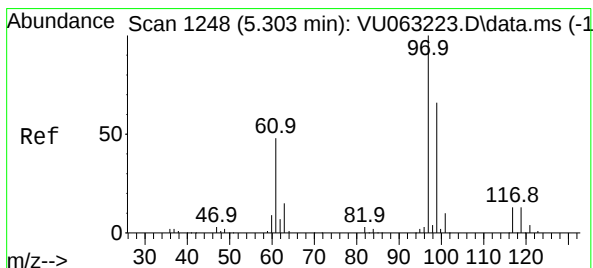
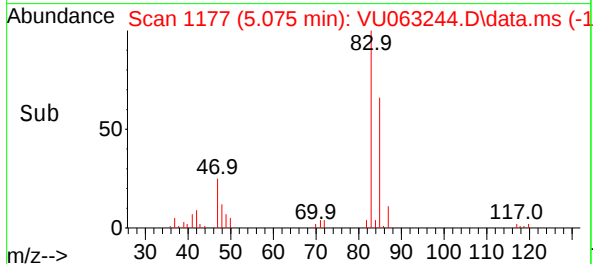
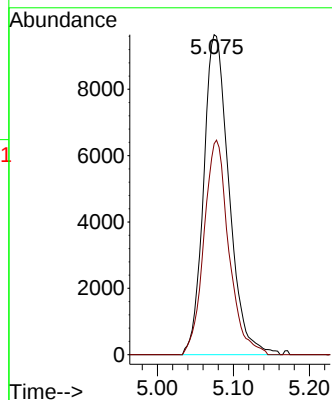
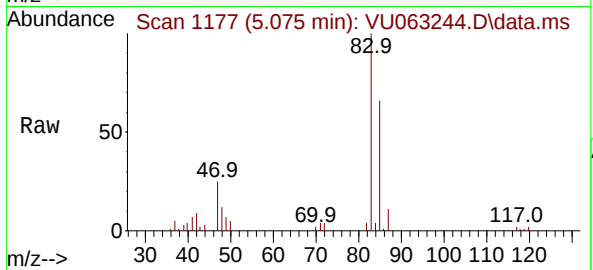
ClientSampleId :

Tgt Ion: 83 Resp: 22392

Ion Ratio Lower Upper

83 100

85 65.9 0.0 129.8



#28

1,1,1-Trichloroethane

Concen: 0.803 ug/l

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

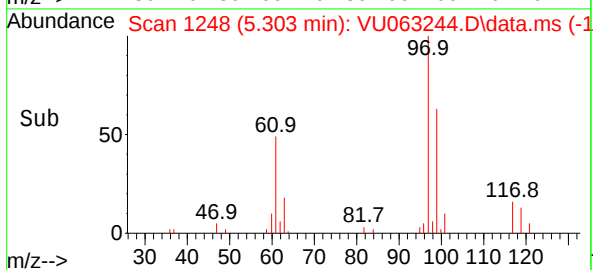
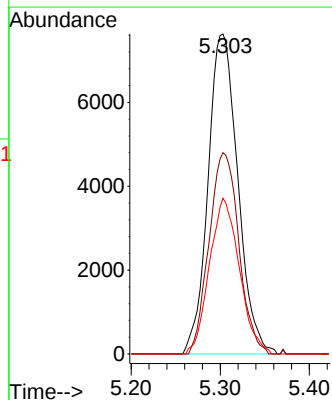
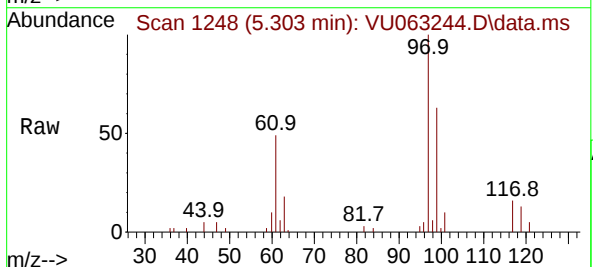
Tgt Ion: 97 Resp: 17751

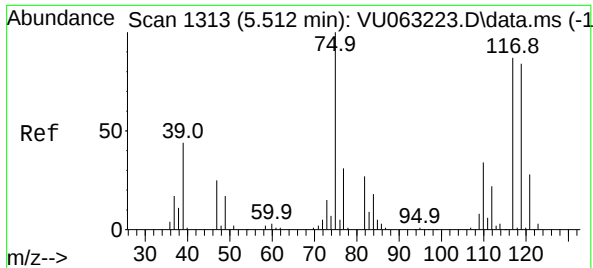
Ion Ratio Lower Upper

97 100

99 62.7 32.4 97.0

61 48.8 23.8 71.2

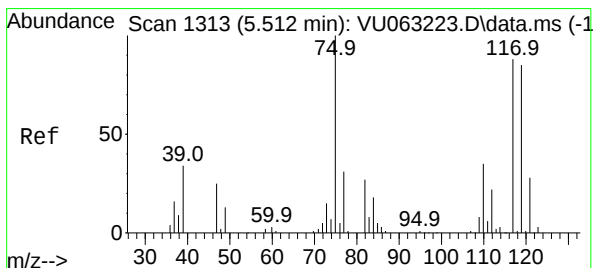
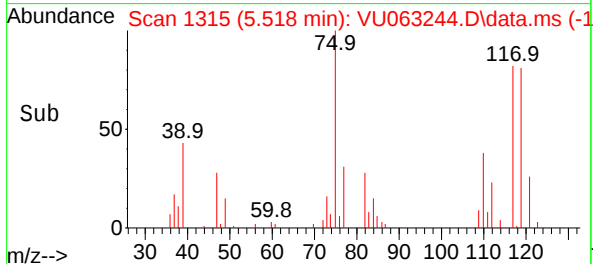
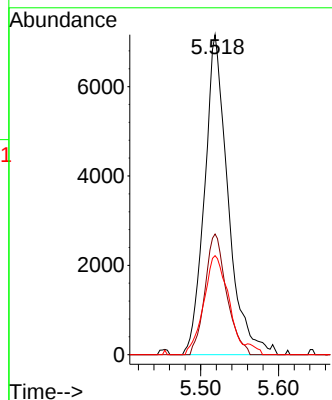
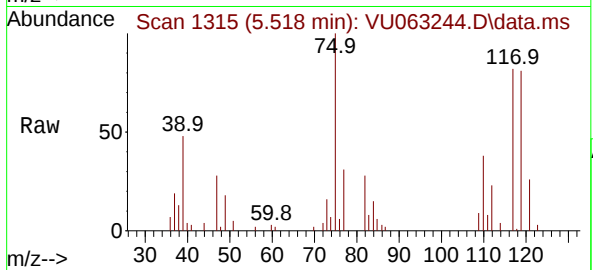




#29  
1,1-Dichloropropene  
Concen: 0.758 ug/l  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.007 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

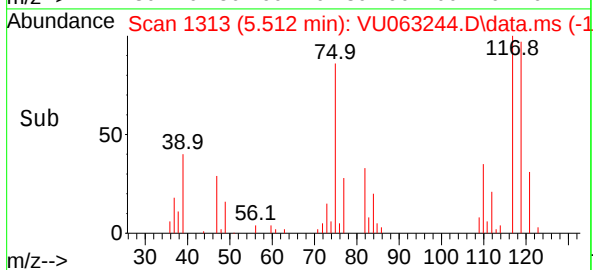
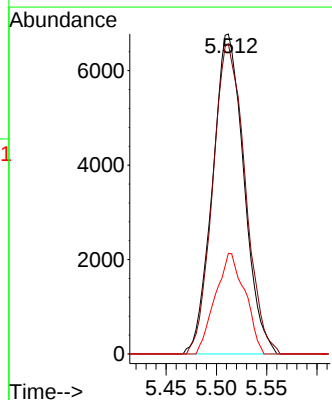
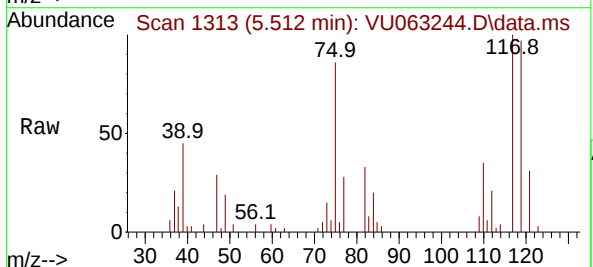
Instrument :  
MSVOA\_U  
ClientSampleId :

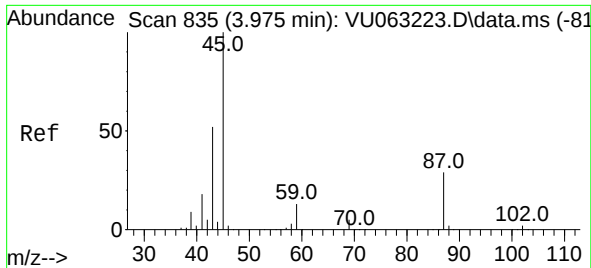
Tgt Ion: 75 Resp: 15015  
Ion Ratio Lower Upper  
75 100  
110 34.7 17.2 51.5  
77 32.4 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 0.775 ug/l  
RT: 5.512 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion:117 Resp: 14690  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.7 115.1  
121 31.4 25.5 38.3

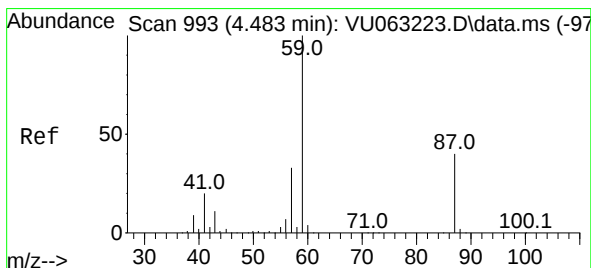
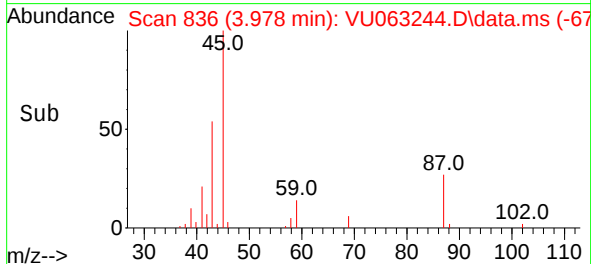
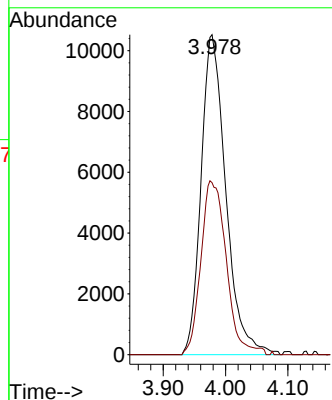
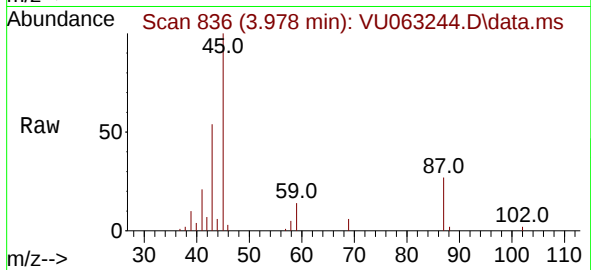




#31  
Isopropyl Ether  
Concen: 0.752 ug/l  
RT: 3.978 min Scan# 835  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

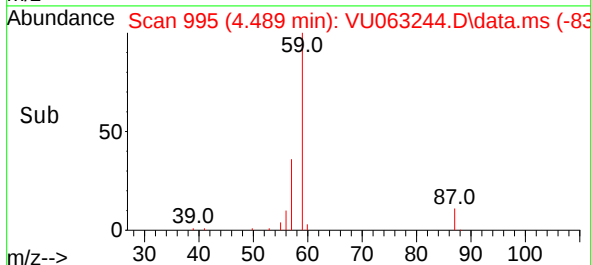
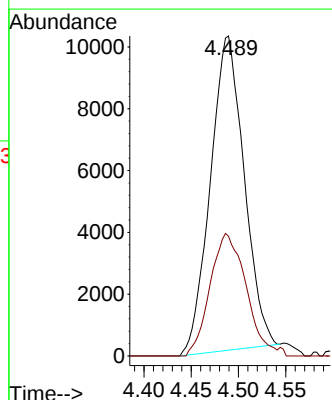
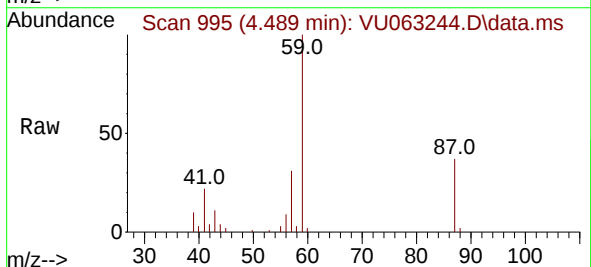
Instrument :  
MSVOA\_U  
ClientSampleId :

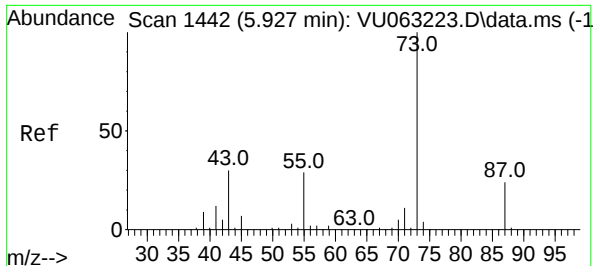
Tgt Ion: 45 Resp: 29023  
Ion Ratio Lower Upper  
45 100  
43 55.8 25.7 77.1



#32  
Ethyl-t-butyl ether  
Concen: 0.720 ug/l  
RT: 4.489 min Scan# 995  
Delta R.T. 0.007 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

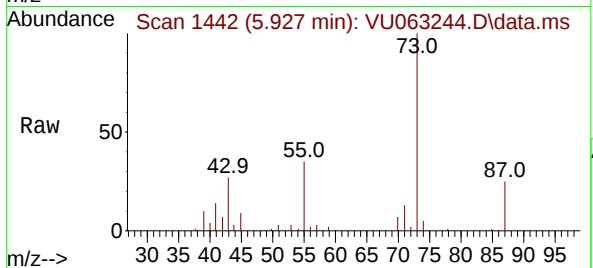
Tgt Ion: 59 Resp: 25279  
Ion Ratio Lower Upper  
59 100  
87 41.8 32.6 49.0



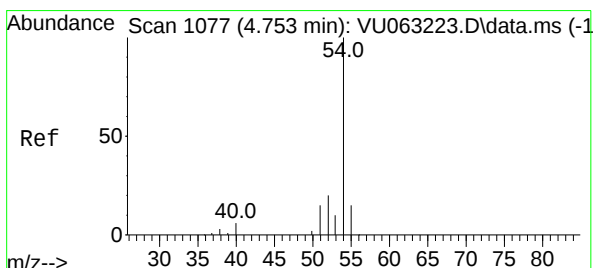
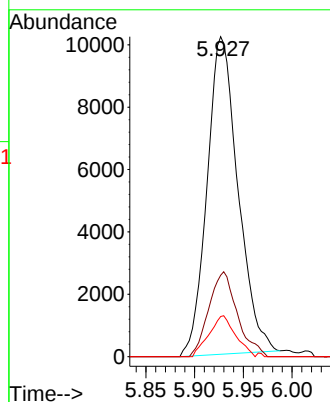
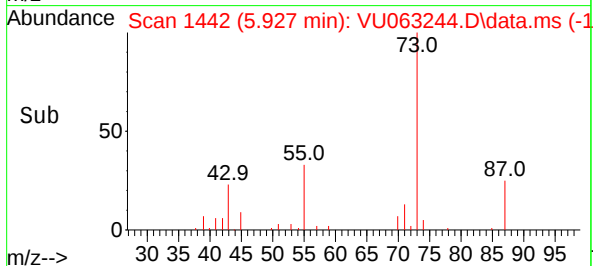


#33  
Tert-Amyl methyl ether  
Concen: 0.733 ug/l  
RT: 5.927 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Instrument :  
MSVOA\_U  
ClientSampleId :

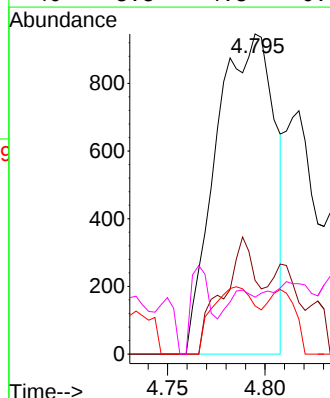
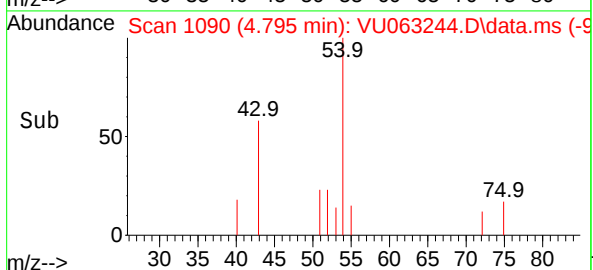
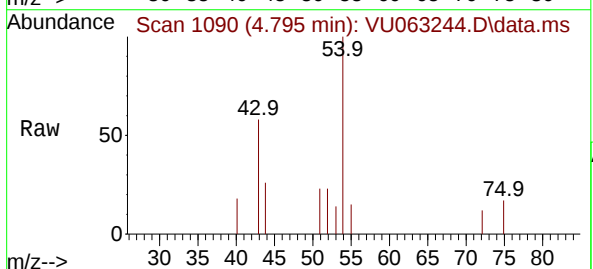


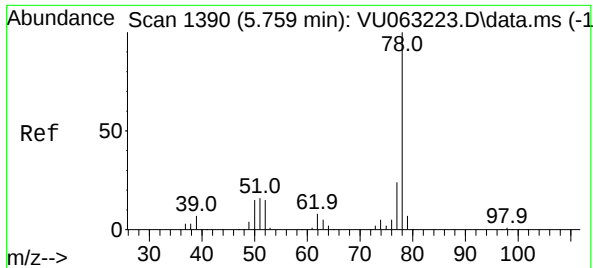
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 22476    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 24.6 18.9 28.3 |
| 71          | 11.1 9.0 13.4  |



#34  
Propionitrile  
Concen: 1.835 ug/l  
RT: 4.795 min Scan# 1090  
Delta R.T. 0.042 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

|             |                |
|-------------|----------------|
| Tgt Ion: 54 | Resp: 1964     |
| Ion Ratio   | Lower Upper    |
| 54          | 100            |
| 52          | 21.2 16.3 24.5 |
| 55          | 15.8 11.8 17.6 |
| 40          | 3.8 4.3 6.5    |

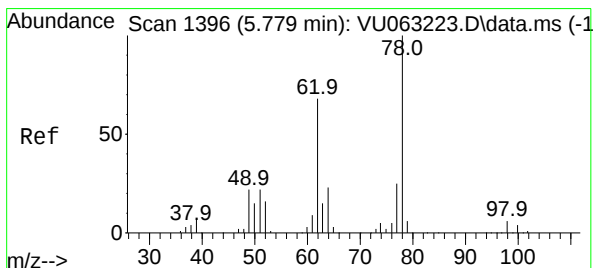
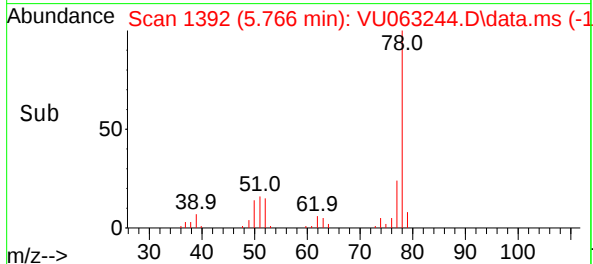
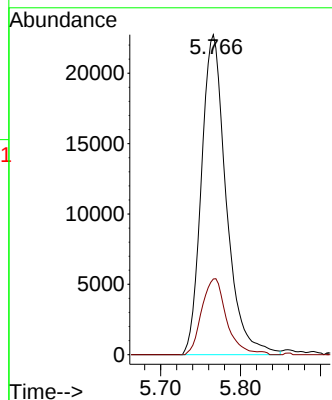
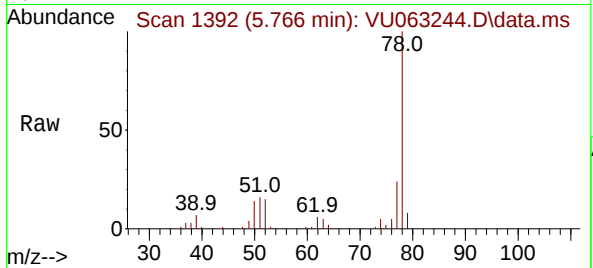




#35  
Benzene  
Concen: 0.805 ug/l  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.007 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

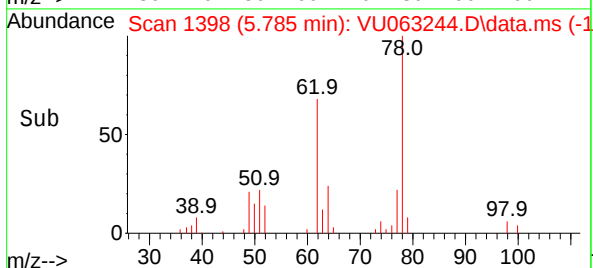
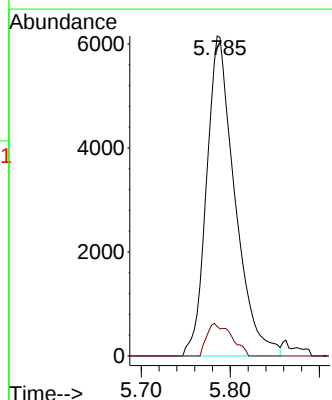
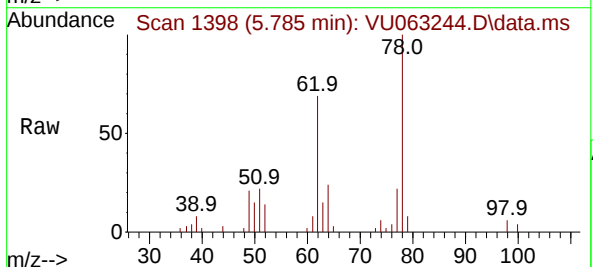
Instrument :  
MSVOA\_U  
ClientSampleId :

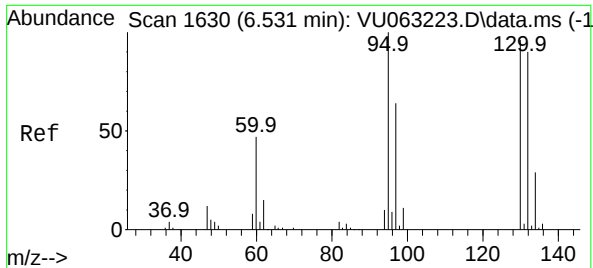
Tgt Ion: 78 Resp: 48986  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.0 28.4



#36  
1,2-Dichloroethane  
Concen: 0.772 ug/l  
RT: 5.785 min Scan# 1398  
Delta R.T. 0.007 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 62 Resp: 13566  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.9 10.3

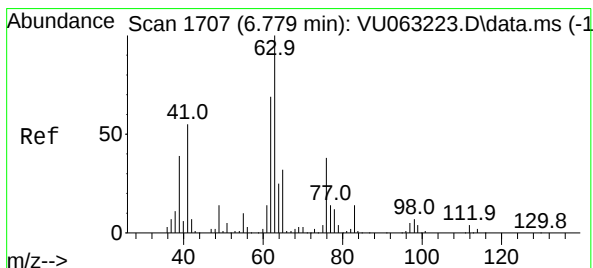
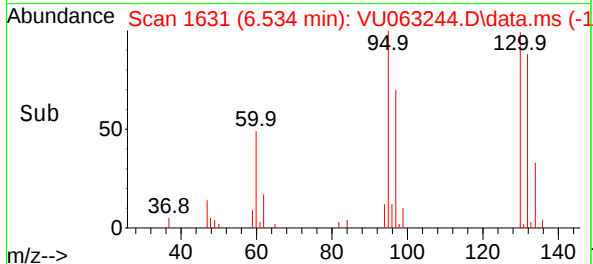
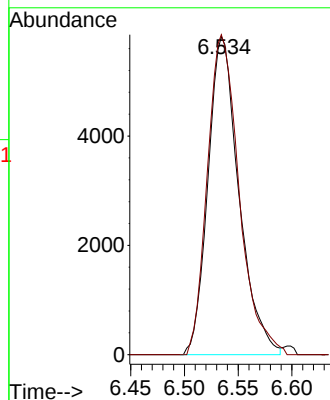
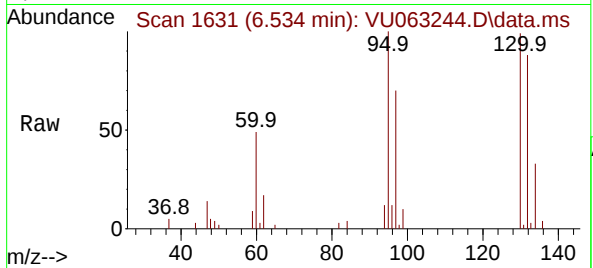




#37  
Trichloroethene  
Concen: 0.805 ug/l  
RT: 6.534 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

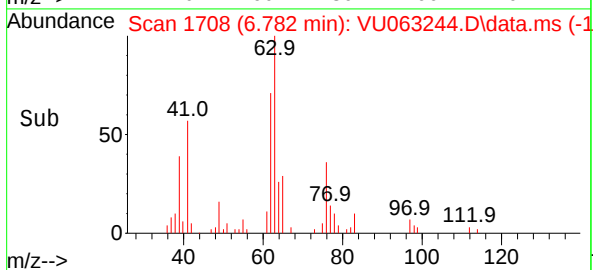
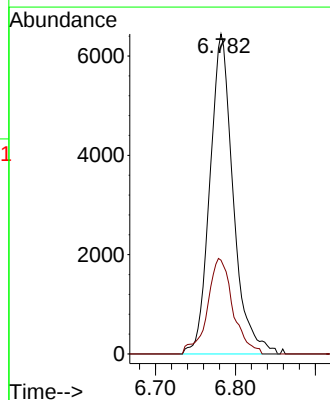
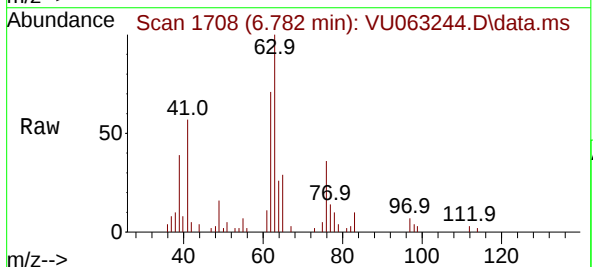
Instrument :  
MSVOA\_U  
ClientSampleId :

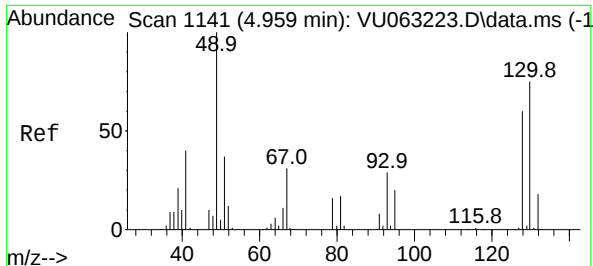
Tgt Ion:130 Resp: 11650  
Ion Ratio Lower Upper  
130 100  
95 100.6 83.2 124.8



#38  
1,2-Dichloropropane  
Concen: 0.819 ug/l  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion: 63 Resp: 13046  
Ion Ratio Lower Upper  
63 100  
65 29.3 25.3 37.9





#39

Methacrylonitrile

Concen: 0.550 ug/l

RT: 4.981 min Scan# 1148

Delta R.T. 0.023 min

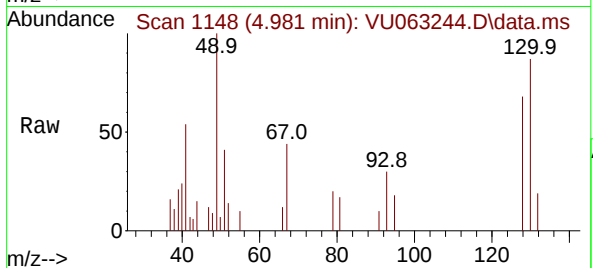
Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 2195

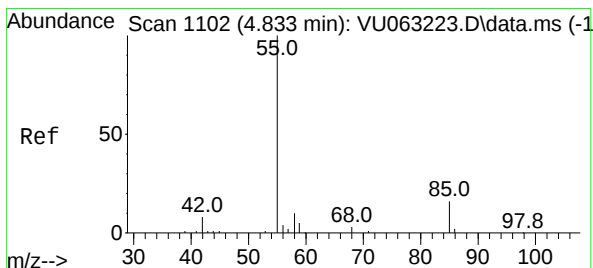
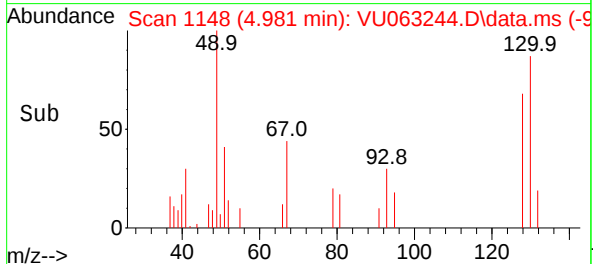
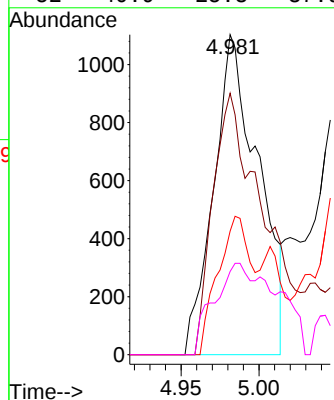
Ion Ratio Lower Upper

41 100

67 92.8 64.5 96.7

39 31.7 43.0 64.6#

52 40.9 25.3 37.9#



#40

Methyl acrylate

Concen: 0.025 ug/l

RT: 4.808 min Scan# 1094

Delta R.T. -0.026 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Tgt Ion: 55 Resp: 184

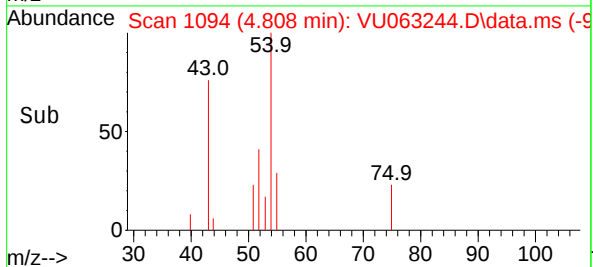
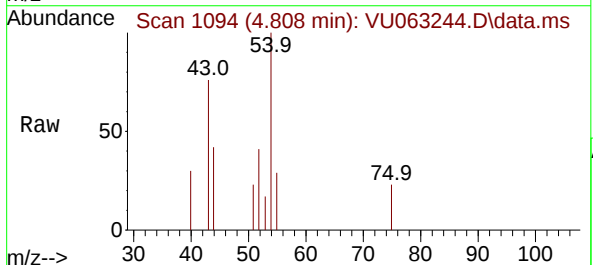
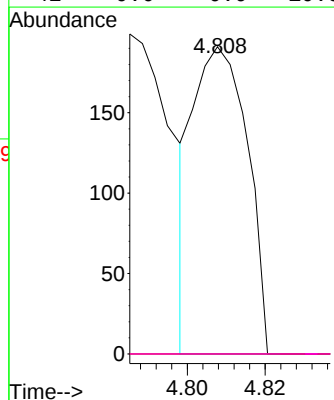
Ion Ratio Lower Upper

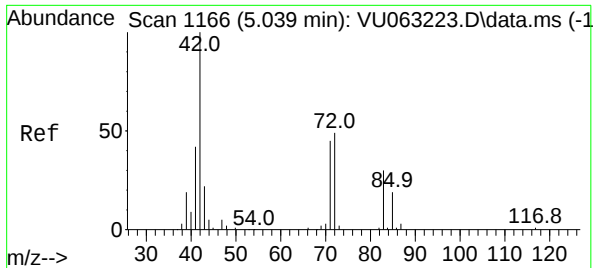
55 100

85 0.0 13.3 19.9#

58 0.0 7.3 10.9#

42 0.0 6.9 10.3#





#41

Tetrahydrofuran

Concen: 1.596 ug/l

RT: 5.062 min Scan# 1166

Delta R.T. 0.023 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

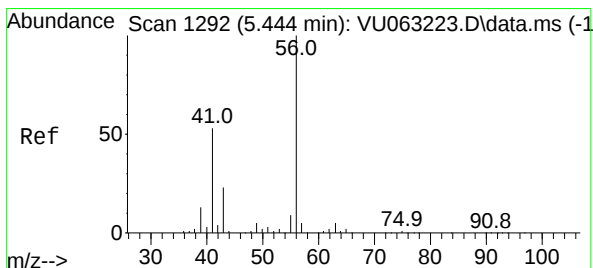
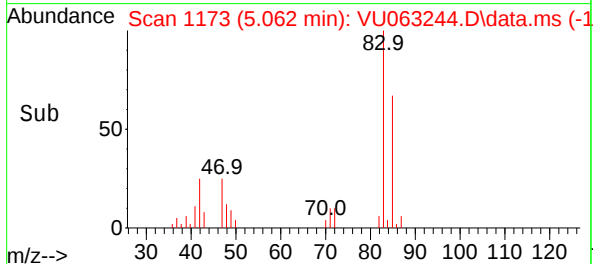
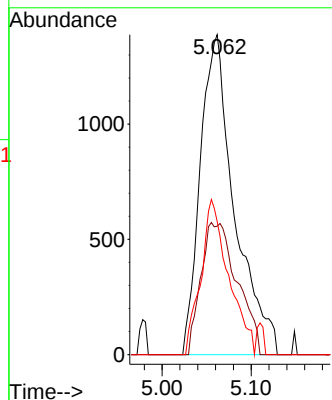
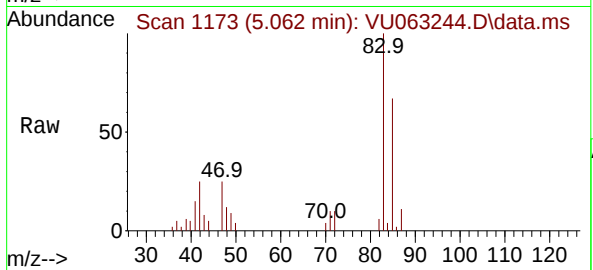
Tgt Ion: 42 Resp: 3703

Ion Ratio Lower Upper

42 100

72 43.8 41.5 62.3

71 39.2 37.2 55.8



#42

1-Chlorobutane

Concen: 0.759 ug/l

RT: 5.448 min Scan# 1293

Delta R.T. 0.003 min

Lab File: VU063244.D

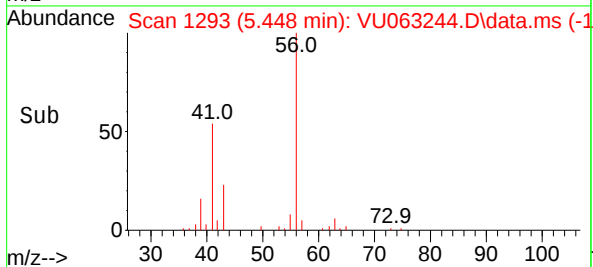
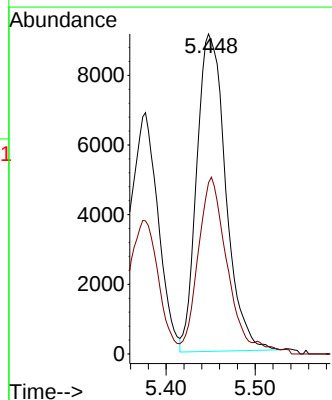
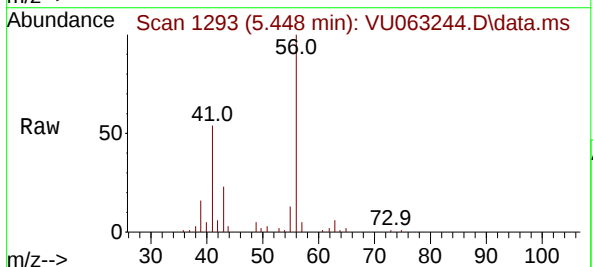
Acq: 11 Feb 2025 18:40

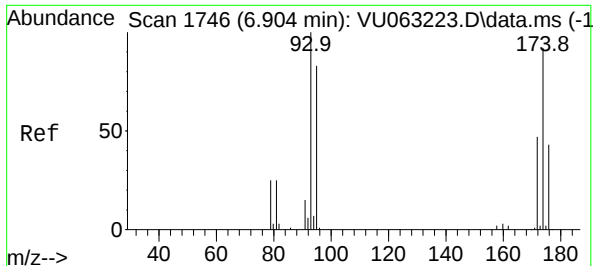
Tgt Ion: 56 Resp: 20561

Ion Ratio Lower Upper

56 100

41 56.9 26.3 78.8





#43

Dibromomethane

Concen: 0.824 ug/l

RT: 6.914 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

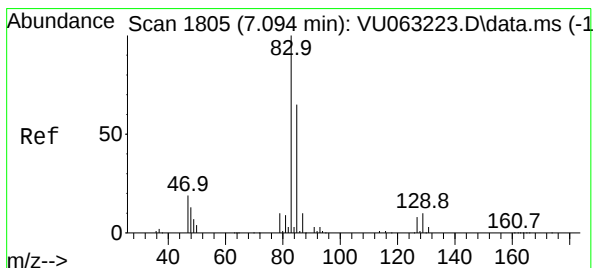
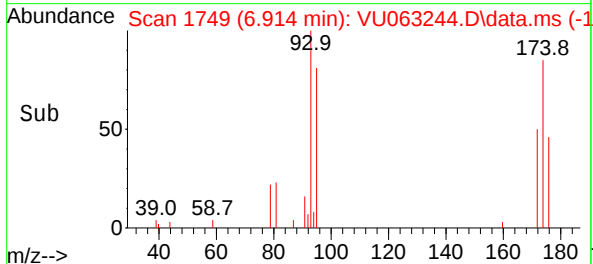
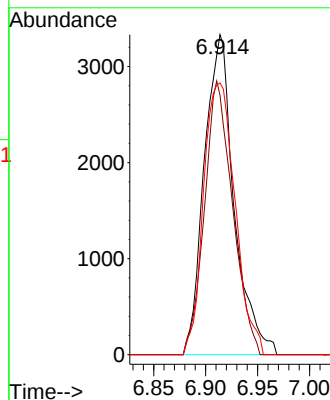
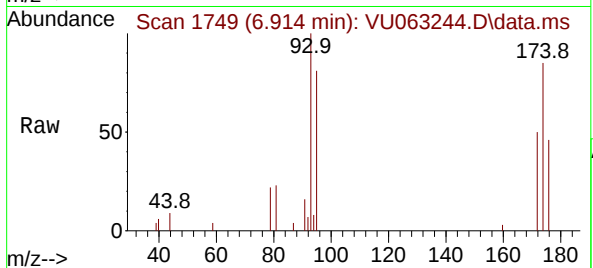
Tgt Ion: 93 Resp: 6652

Ion Ratio Lower Upper

93 100

95 80.4 67.2 100.8

174 89.7 75.7 113.5



#44

Bromodichloromethane

Concen: 0.806 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

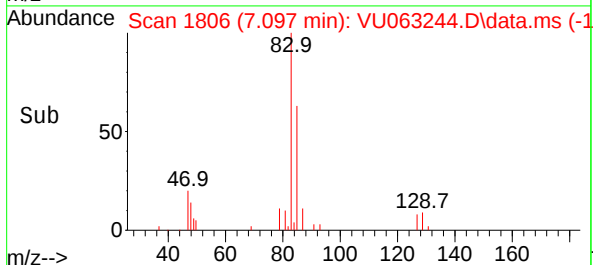
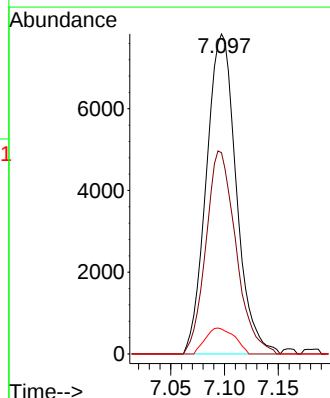
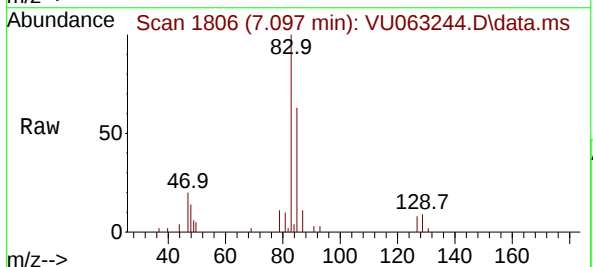
Tgt Ion: 83 Resp: 15142

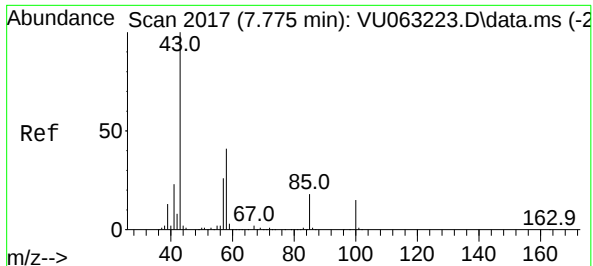
Ion Ratio Lower Upper

83 100

85 62.9 51.7 77.5

127 7.8 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 3.312 ug/l

RT: 7.782 min Scan# 2017

Delta R.T. 0.007 min

Lab File: VU063244.D

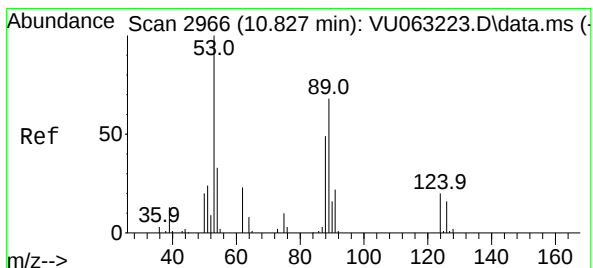
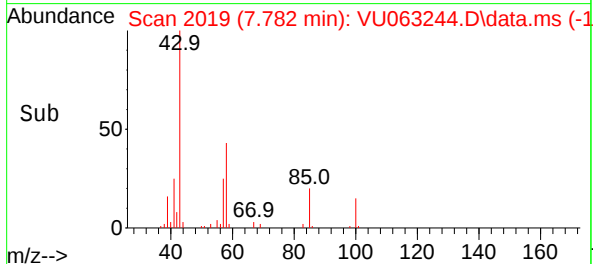
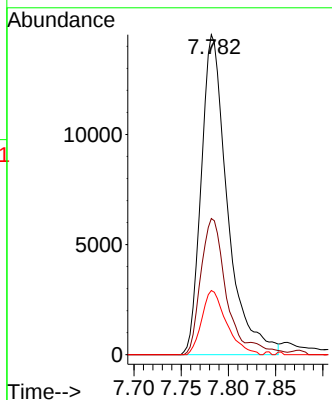
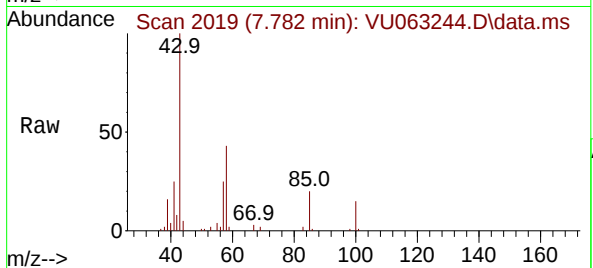
Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 28021 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 42.3  | 20.8  | 62.5  |
| 85        | 18.9  | 14.8  | 22.2  |



#46

t-1,4-Dichloro-2-butene

Concen: 3.140 ug/l

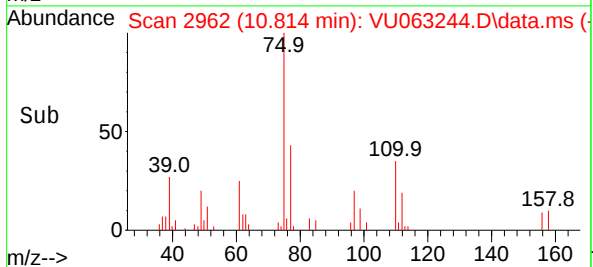
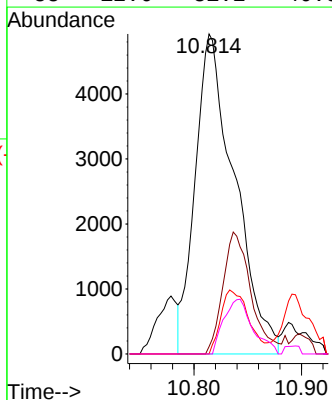
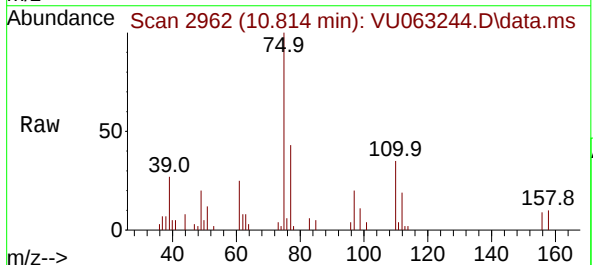
RT: 10.814 min Scan# 2962

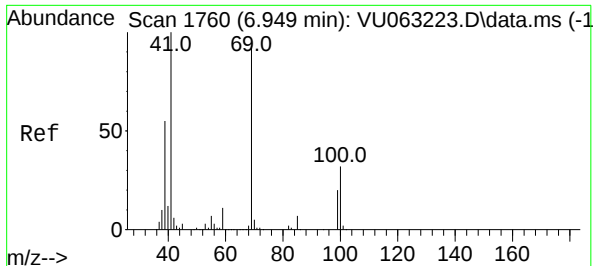
Delta R.T. -0.013 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12489 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 27.4  | 64.5  | 96.7# |
| 89        | 14.1  | 43.4  | 65.2# |
| 88        | 12.6  | 31.2  | 46.8# |





#47

Methyl methacrylate

Concen: 1.385 ug/l

RT: 6.959 min Scan# 1

Delta R.T. 0.010 min

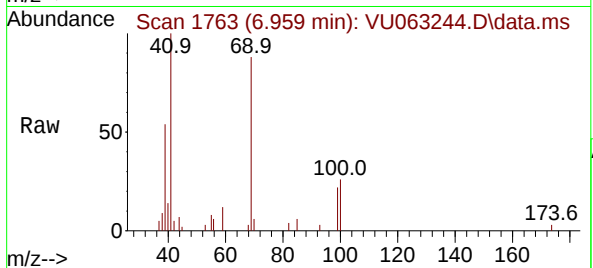
Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 69 Resp: 9411

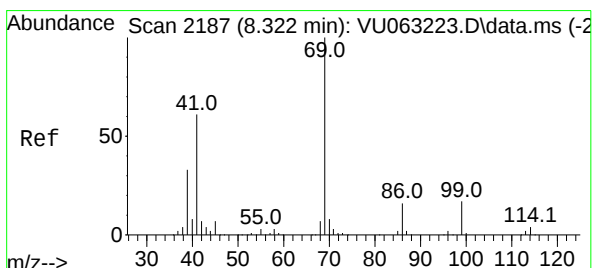
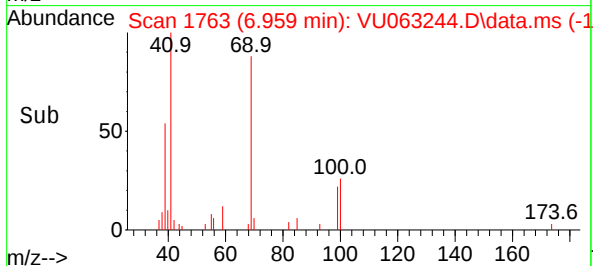
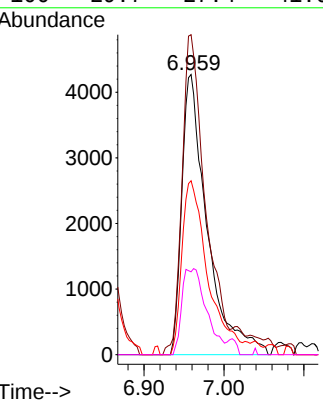
Ion Ratio Lower Upper

69 100

41 104.7 0.0 217.0

39 63.4 47.7 71.5

100 29.7 27.4 41.0



#48

Ethyl methacrylate

Concen: 0.656 ug/l

RT: 8.329 min Scan# 2189

Delta R.T. 0.007 min

Lab File: VU063244.D

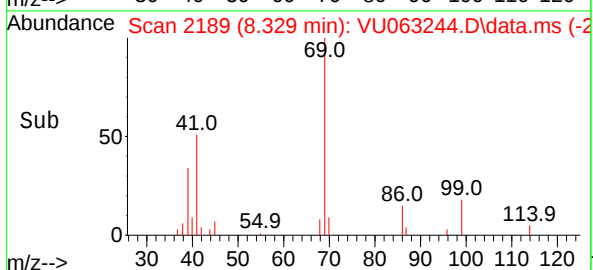
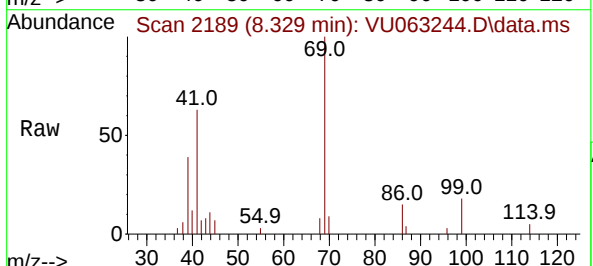
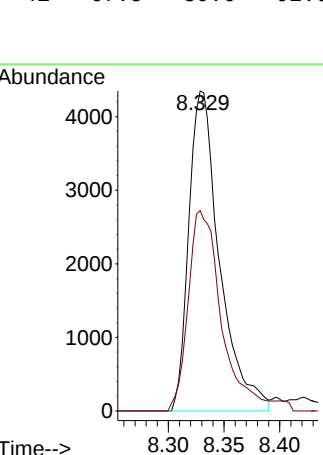
Acq: 11 Feb 2025 18:40

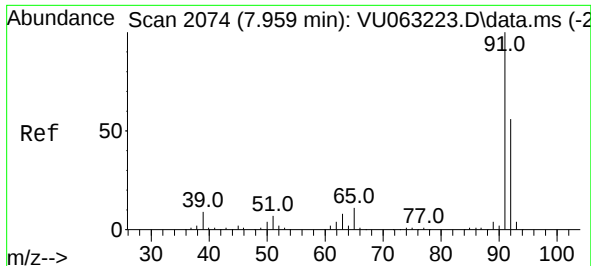
Tgt Ion: 69 Resp: 8369

Ion Ratio Lower Upper

69 100

41 67.5 30.6 92.0





#49

Toluene

Concen: 0.711 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

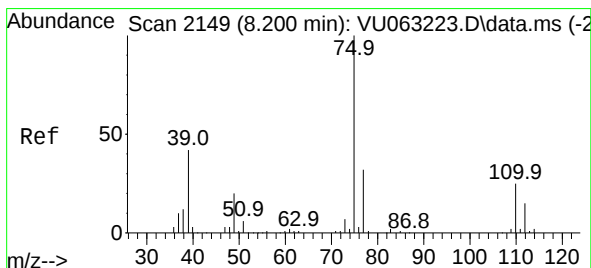
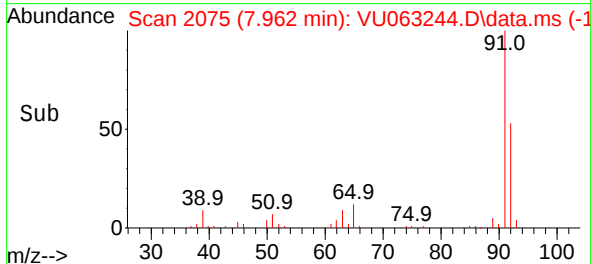
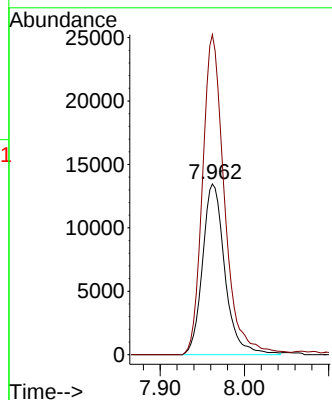
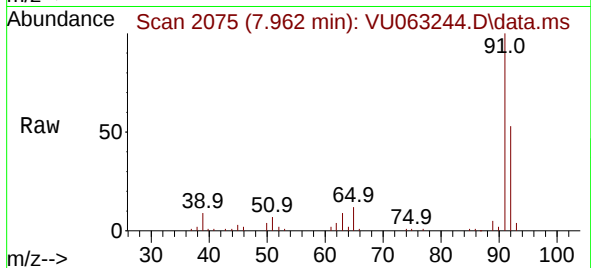
ClientSampleId :

Tgt Ion: 92 Resp: 24896

Ion Ratio Lower Upper

92 100

91 184.0 141.8 212.6



#50

t-1,3-Dichloropropene

Concen: 0.739 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.007 min

Lab File: VU063244.D

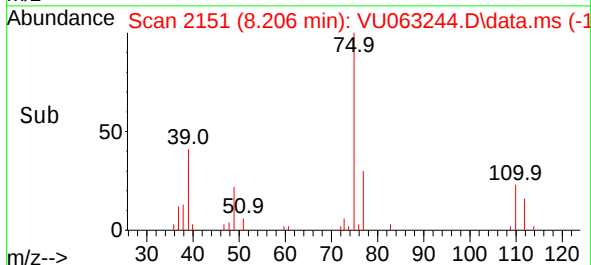
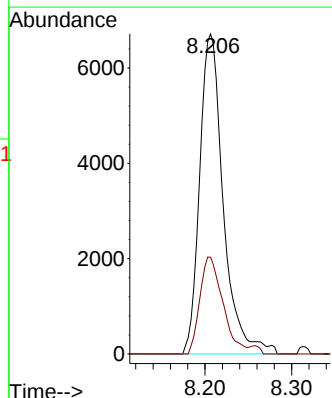
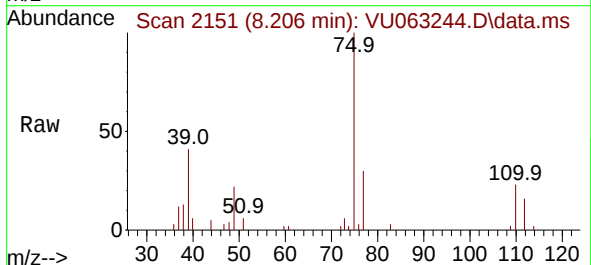
Acq: 11 Feb 2025 18:40

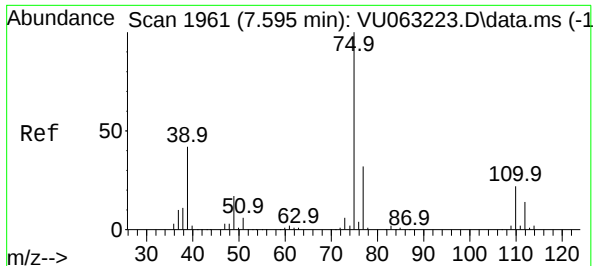
Tgt Ion: 75 Resp: 12700

Ion Ratio Lower Upper

75 100

77 30.2 25.9 38.9





#51

cis-1,3-Dichloropropene

Concen: 0.772 ug/l

RT: 7.599 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VU063244.D

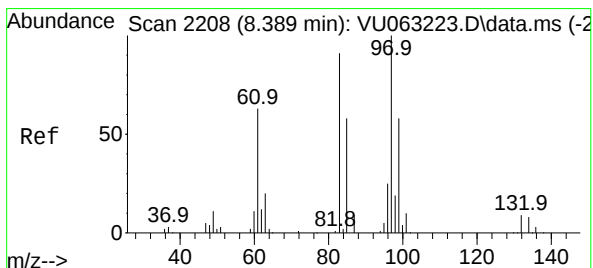
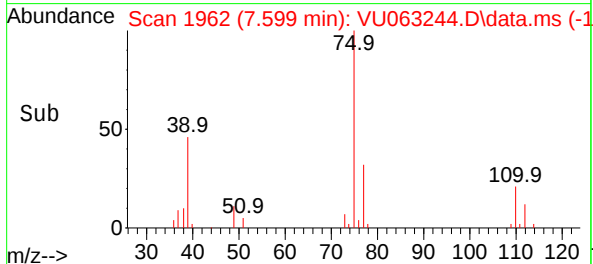
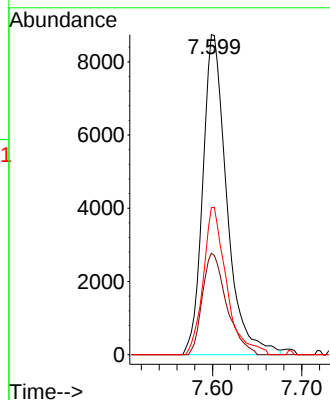
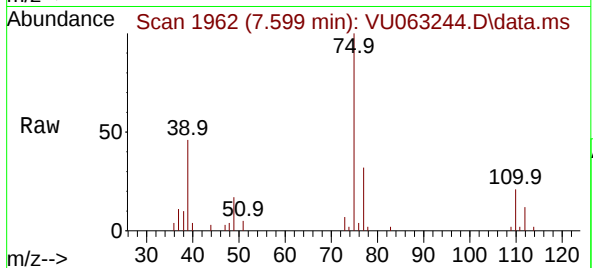
Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16394 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.7  | 25.3  | 37.9  |
| 39       | 46.0  | 33.5  | 50.3  |



#52

1,1,2-Trichloroethane

Concen: 0.807 ug/l

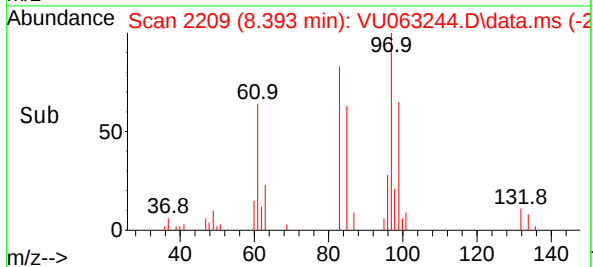
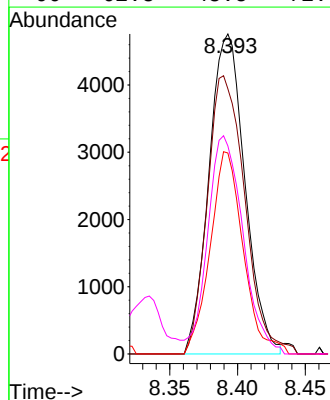
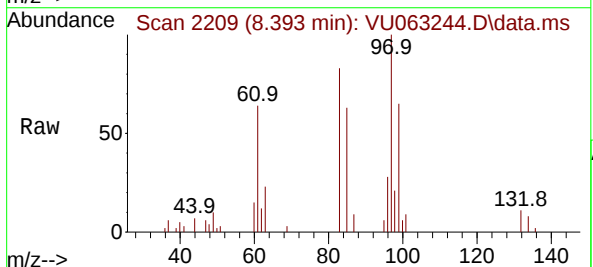
RT: 8.393 min Scan# 2209

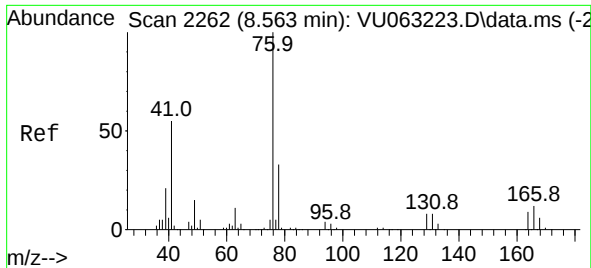
Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 8777  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.9  | 73.0  | 109.4 |
| 85       | 62.8  | 46.3  | 69.5  |
| 99       | 62.8  | 48.5  | 72.7  |





#53

1,3-Dichloropropane

Concen: 0.823 ug/l

RT: 8.570 min Scan# 2264

Delta R.T. 0.007 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

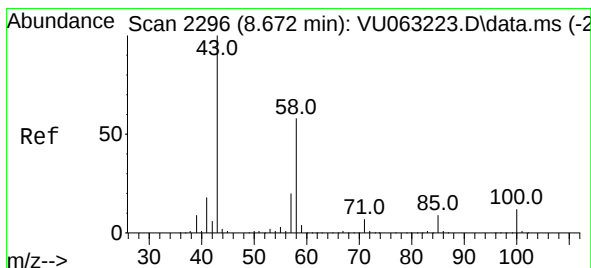
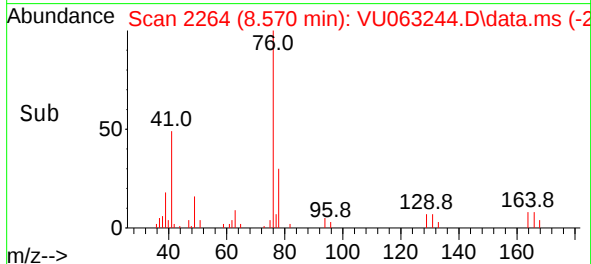
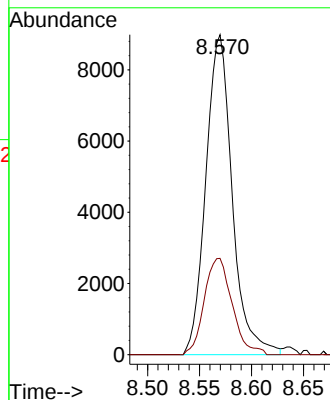
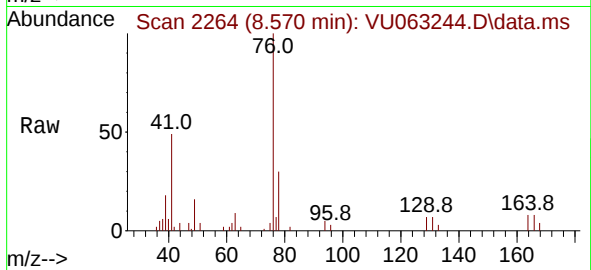
ClientSampleId :

Tgt Ion: 76 Resp: 15888

Ion Ratio Lower Upper

76 100

78 31.7 26.3 39.5



#54

2-Hexanone

Concen: 3.174 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. 0.007 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

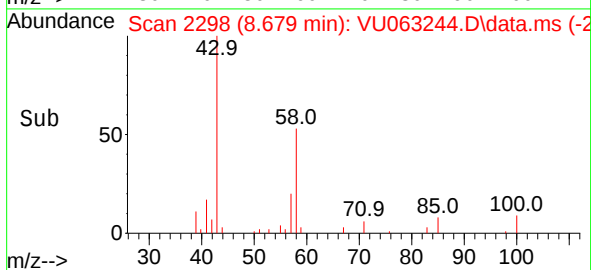
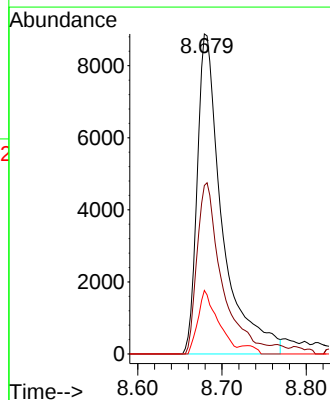
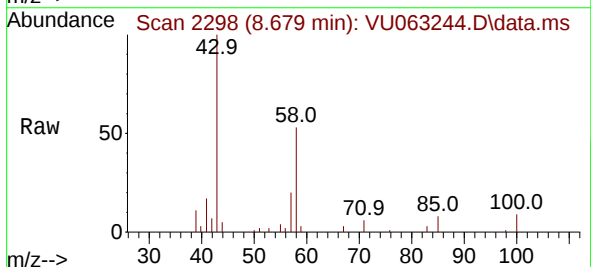
Tgt Ion: 43 Resp: 18324

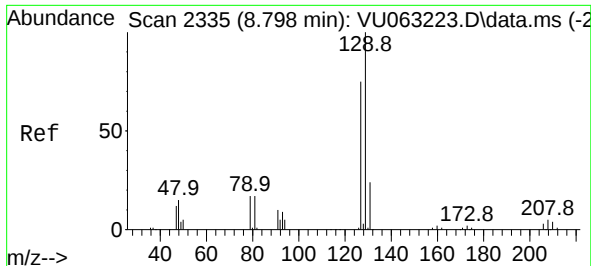
Ion Ratio Lower Upper

43 100

58 53.3 38.0 78.0

57 16.0 0.0 39.1





#55

Dibromochloromethane

Concen: 0.788 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

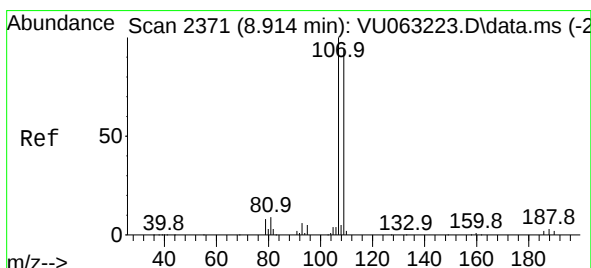
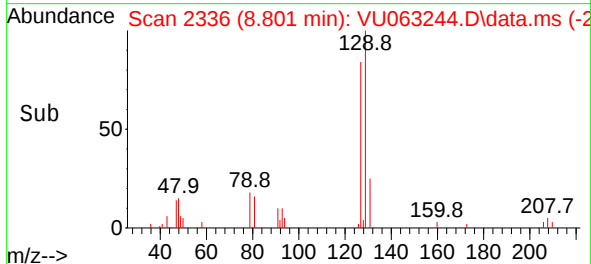
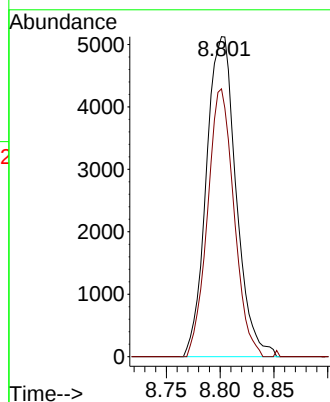
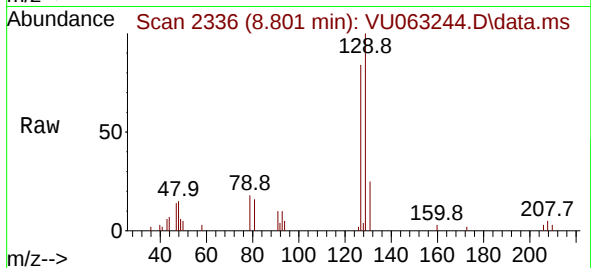
ClientSampleId :

Tgt Ion:129 Resp: 9867

Ion Ratio Lower Upper

129 100

127 74.4 60.4 90.6



#56

1,2-Dibromoethane

Concen: 0.779 ug/l

RT: 8.920 min Scan# 2373

Delta R.T. 0.007 min

Lab File: VU063244.D

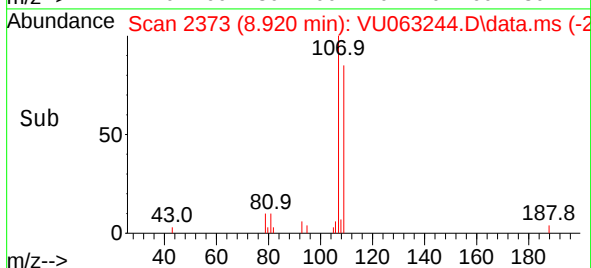
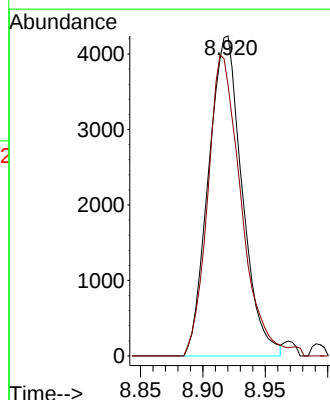
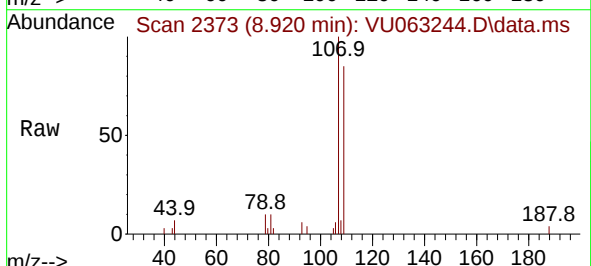
Acq: 11 Feb 2025 18:40

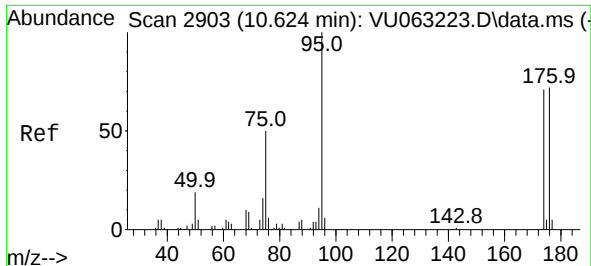
Tgt Ion:107 Resp: 7947

Ion Ratio Lower Upper

107 100

109 92.9 0.0 187.8





#57

4-Bromofluorobenzene

Concen: 0.958 ug/l

RT: 10.624 min Scan# 2903

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

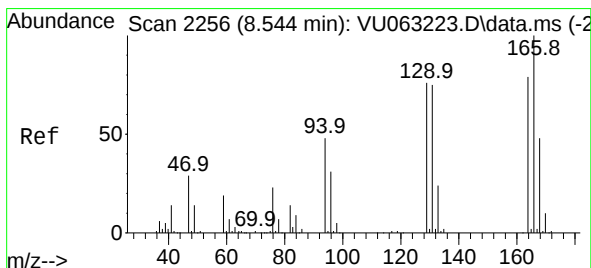
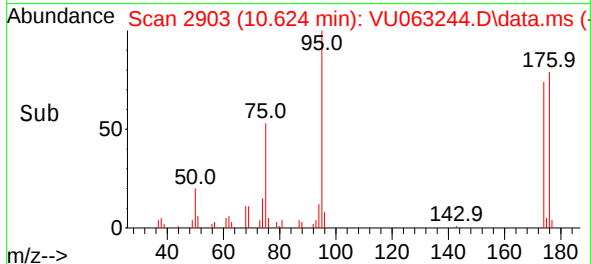
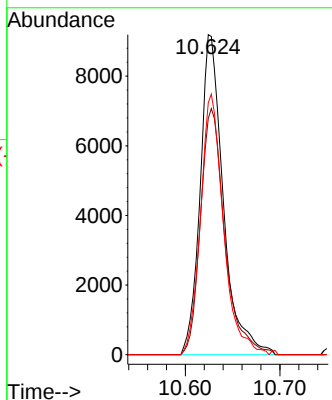
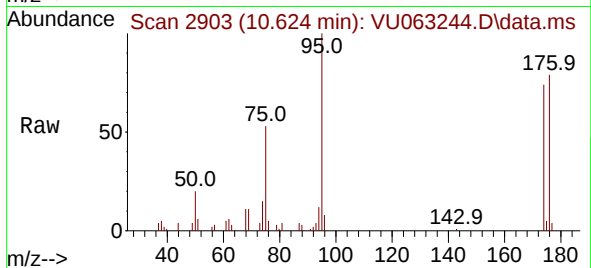
Tgt Ion: 95 Resp: 15655

Ion Ratio Lower Upper

95 100

174 80.6 58.6 88.0

176 80.4 58.2 87.4



#58

Tetrachloroethene

Concen: 0.815 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Tgt Ion: 164 Resp: 9731

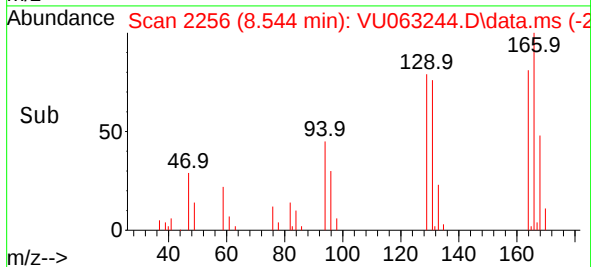
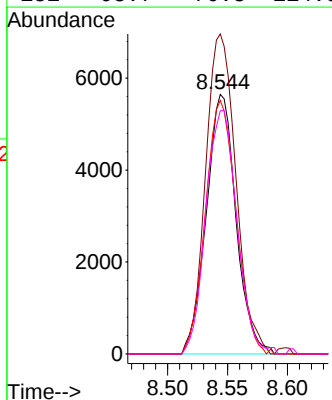
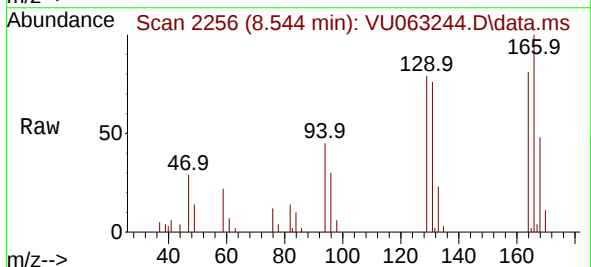
Ion Ratio Lower Upper

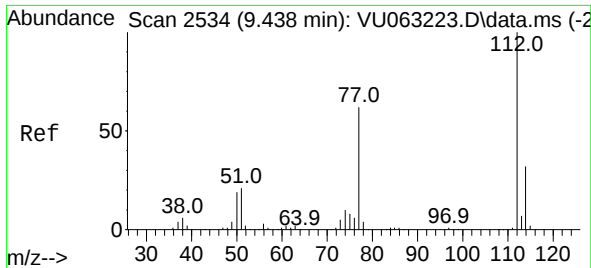
164 100

166 123.3 101.4 152.0

129 97.6 77.0 115.4

131 93.7 76.3 114.5





#59

Chlorobenzene

Concen: 0.796 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

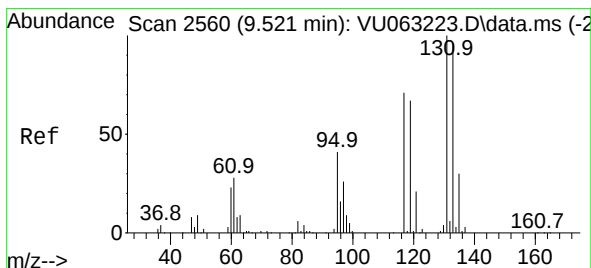
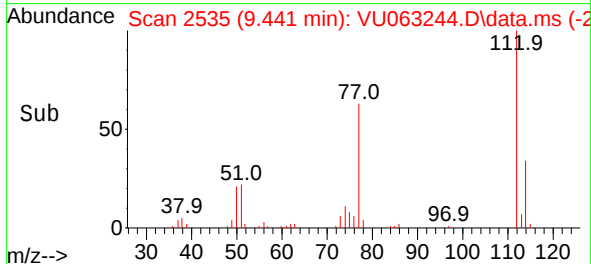
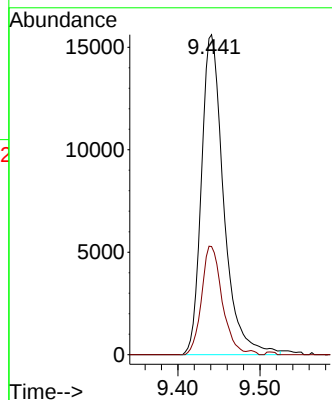
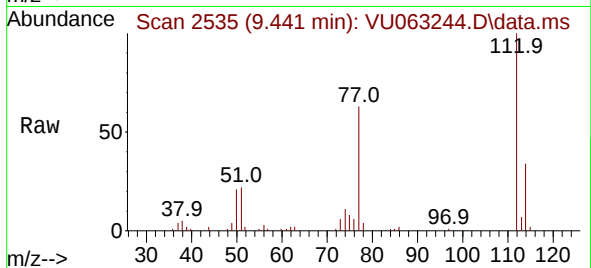
ClientSampleId :

Tgt Ion:112 Resp: 29413

Ion Ratio Lower Upper

112 100

114 33.8 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 0.739 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

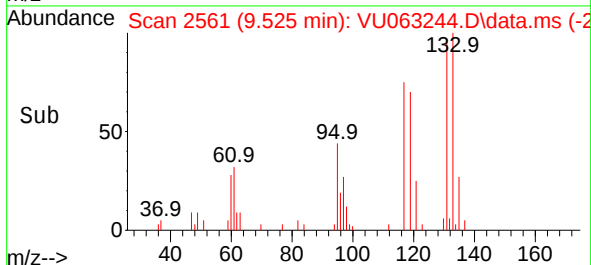
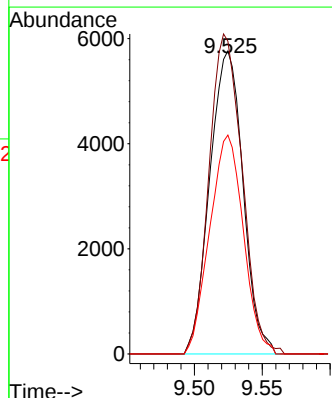
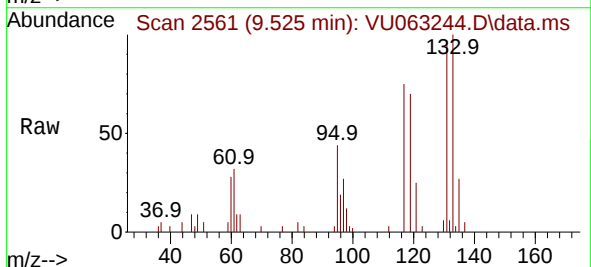
Tgt Ion:131 Resp: 9814

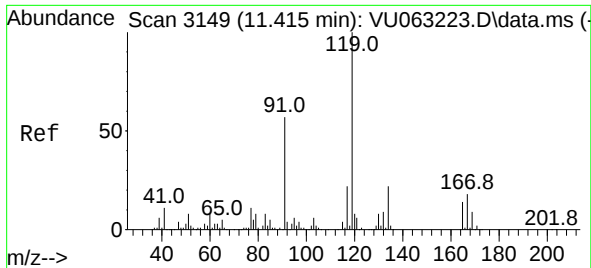
Ion Ratio Lower Upper

131 100

133 105.4 76.7 115.1

119 73.1 54.4 81.6

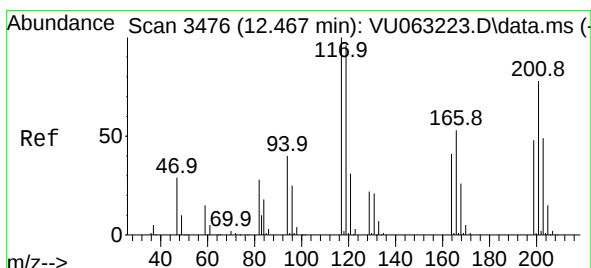
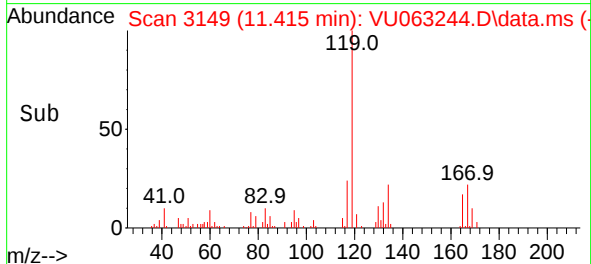
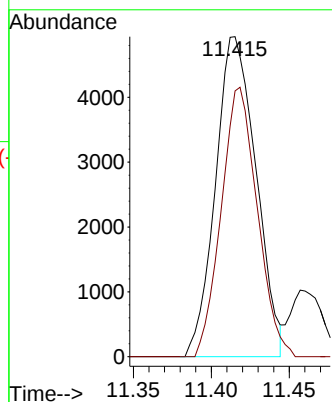
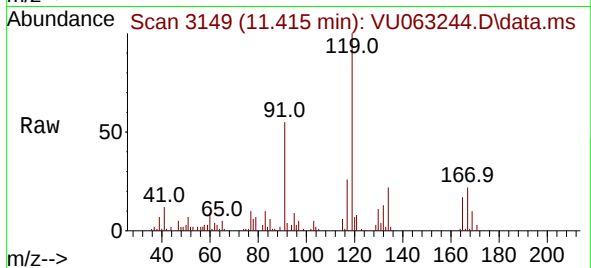




#61  
 Pentachloroethane  
 Concen: 0.751 ug/l  
 RT: 11.415 min Scan# 3149  
 Delta R.T. 0.000 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

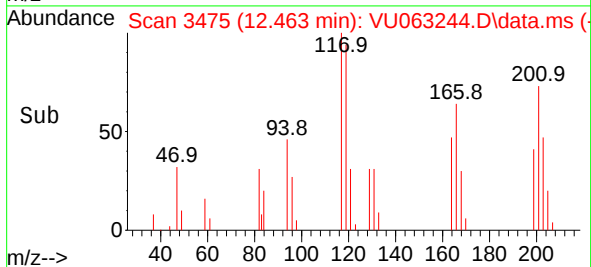
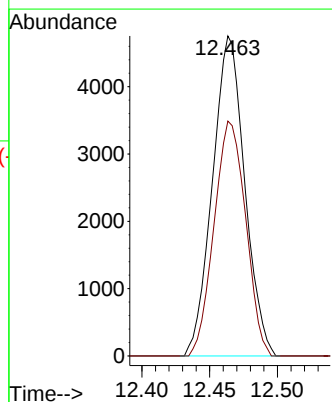
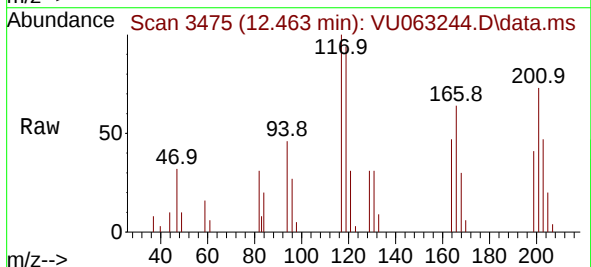
Instrument :  
 MSVOA\_U  
 ClientSampleId :

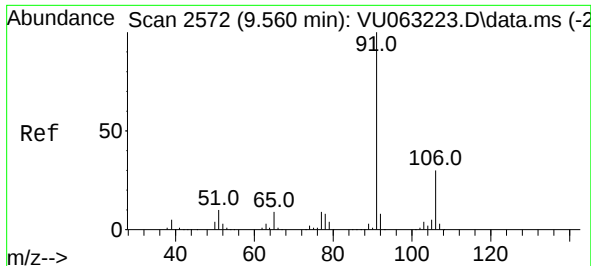
Tgt Ion:117 Resp: 8915  
 Ion Ratio Lower Upper  
 117 100  
 167 75.0 65.0 97.6



#62  
 Hexachloroethane  
 Concen: 0.749 ug/l  
 RT: 12.463 min Scan# 3475  
 Delta R.T. -0.003 min  
 Lab File: VU063244.D  
 Acq: 11 Feb 2025 18:40

Tgt Ion:117 Resp: 7864  
 Ion Ratio Lower Upper  
 117 100  
 201 71.9 61.3 91.9





#63

Ethyl Benzene

Concen: 0.688 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

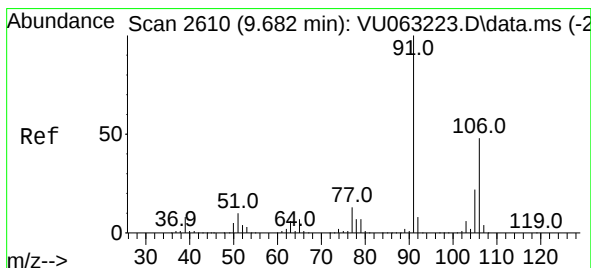
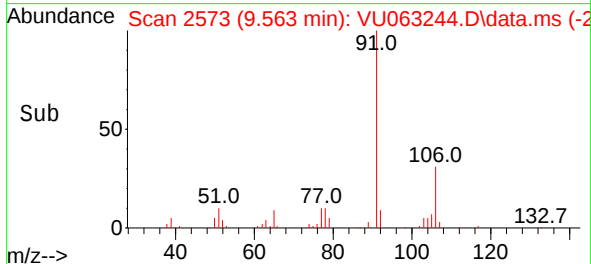
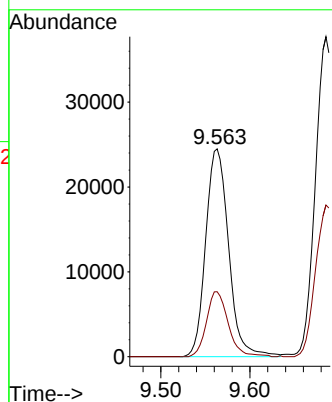
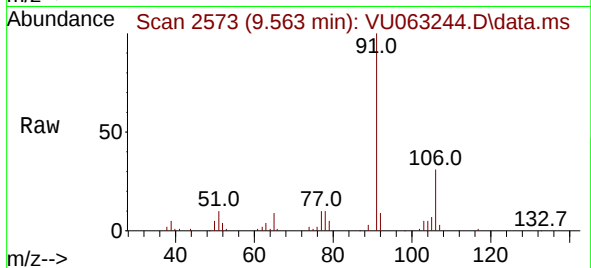
ClientSampleId :

Tgt Ion: 91 Resp: 43841

Ion Ratio Lower Upper

91 100

106 31.2 24.2 36.2



#64

m/p-Xylenes

Concen: 1.360 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.003 min

Lab File: VU063244.D

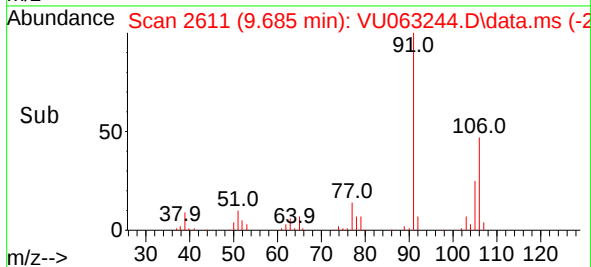
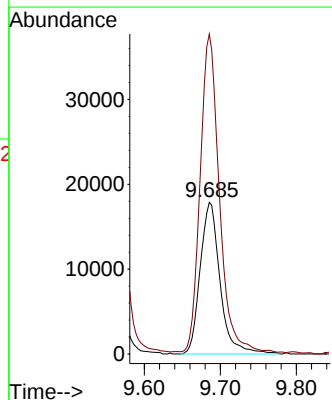
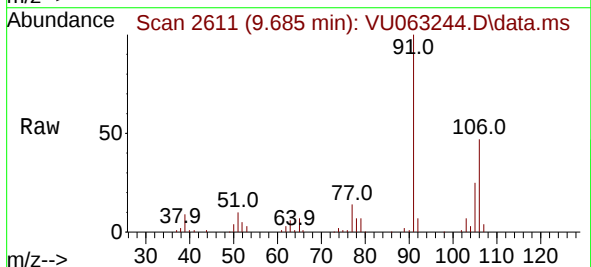
Acq: 11 Feb 2025 18:40

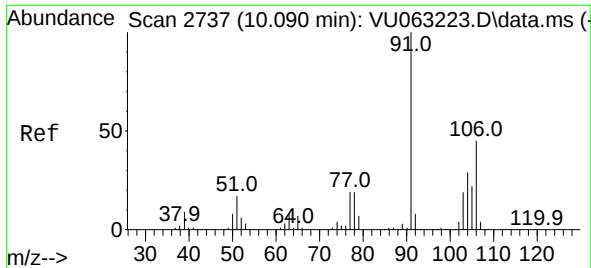
Tgt Ion:106 Resp: 32379

Ion Ratio Lower Upper

106 100

91 203.9 166.9 250.3

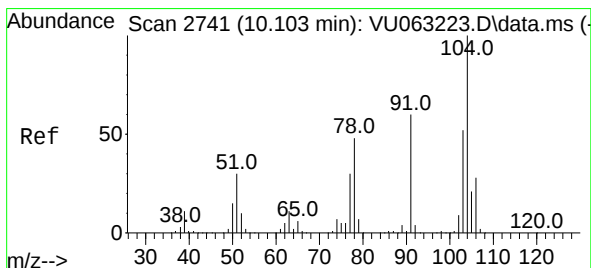
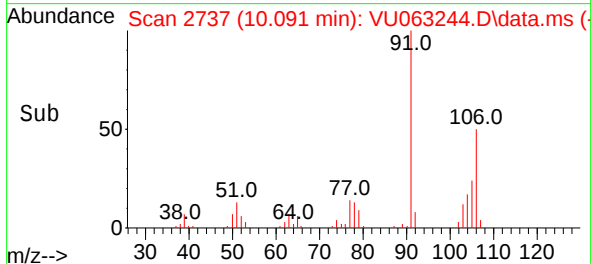
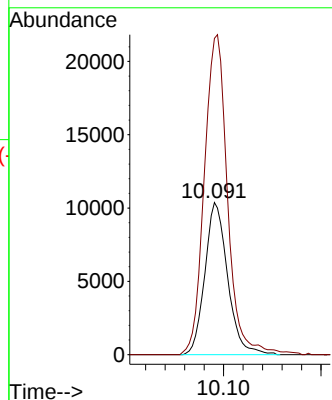
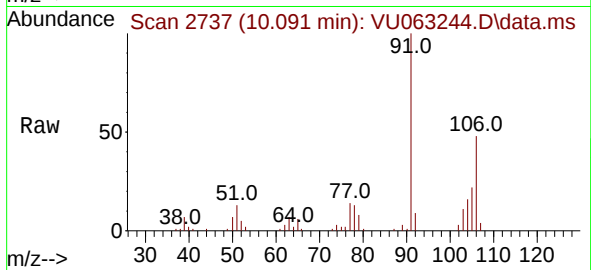




#65  
o-Xylene  
Concen: 0.724 ug/l  
RT: 10.091 min Scan# 2737  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

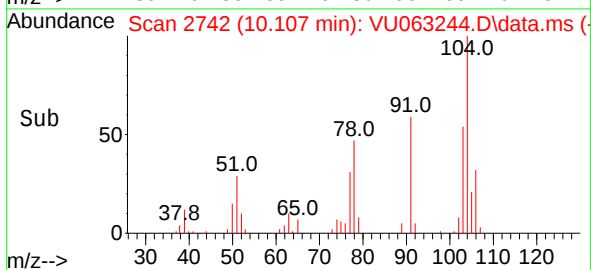
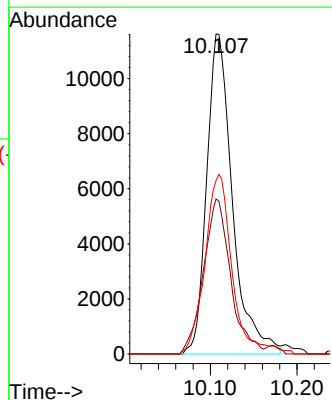
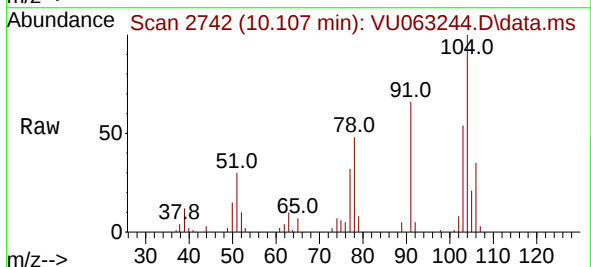
Instrument :  
MSVOA\_U  
ClientSampleId :

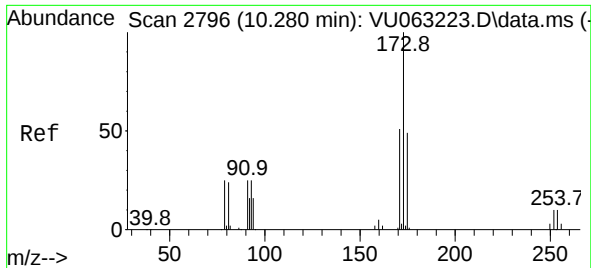
Tgt Ion:106 Resp: 16864  
Ion Ratio Lower Upper  
106 100  
91 214.6 110.9 332.9



#66  
Styrene  
Concen: 0.648 ug/l  
RT: 10.107 min Scan# 2742  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion:104 Resp: 24030  
Ion Ratio Lower Upper  
104 100  
78 51.0 41.2 61.8  
103 59.0 44.8 67.2

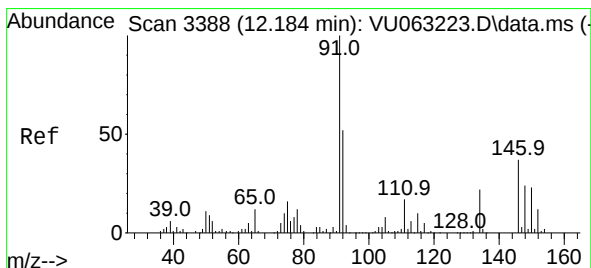
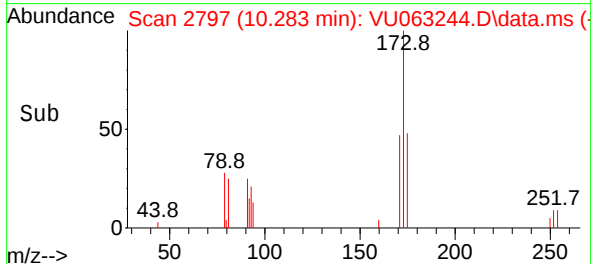
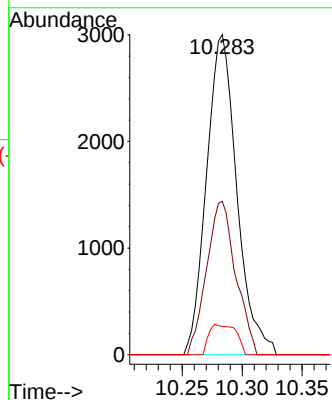
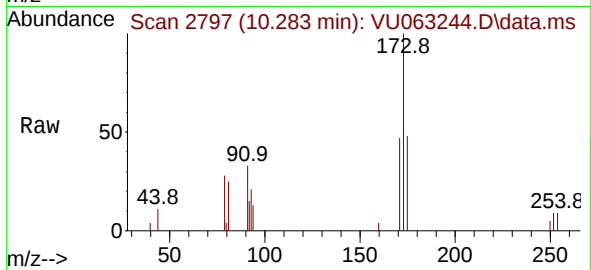




#67  
Bromoform  
Concen: 0.742 ug/l  
RT: 10.283 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

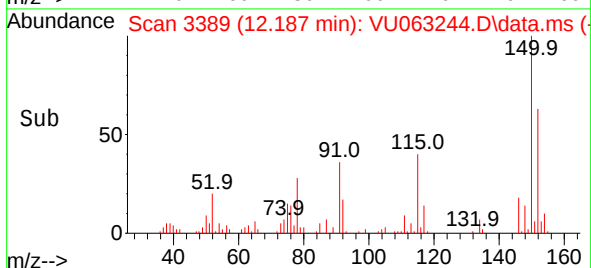
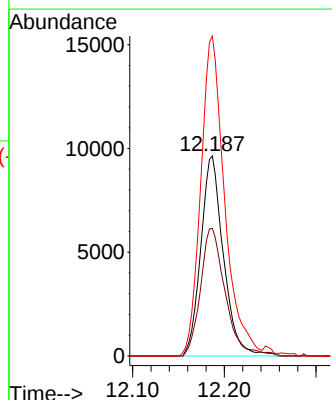
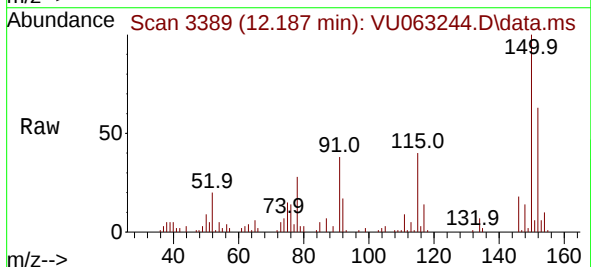
Instrument :  
MSVOA\_U  
ClientSampleId :

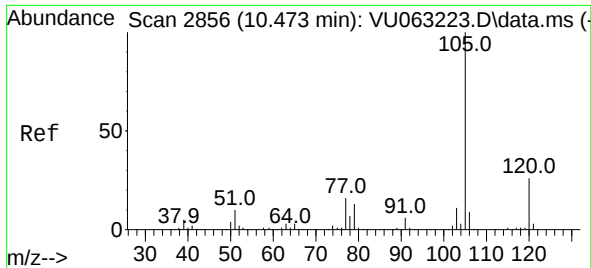
Tgt Ion:173 Resp: 5273  
Ion Ratio Lower Upper  
173 100  
175 46.0 39.0 58.4  
254 8.4 7.7 11.5



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.970 ug/l  
RT: 12.187 min Scan# 3389  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion:152 Resp: 16491  
Ion Ratio Lower Upper  
152 100  
115 69.9 0.0 275.2  
150 168.8 0.0 658.4





#69

Isopropylbenzene

Concen: 0.674 ug/l

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

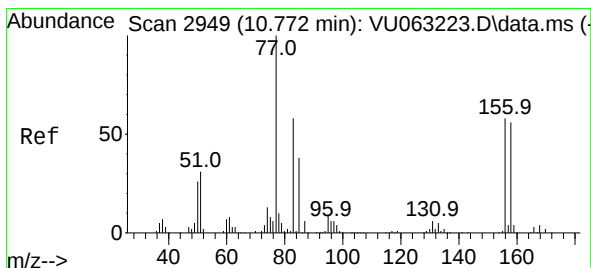
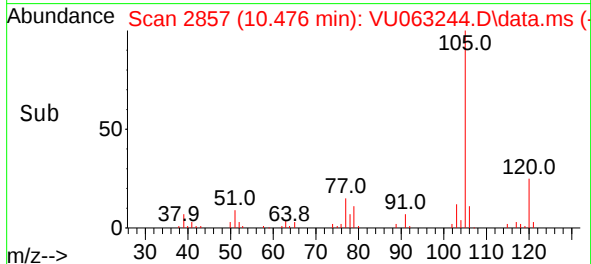
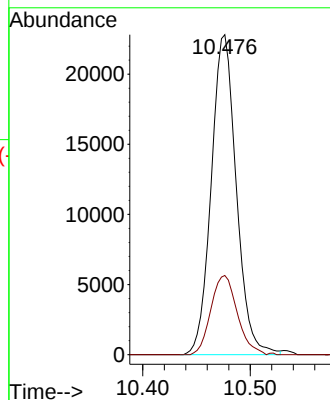
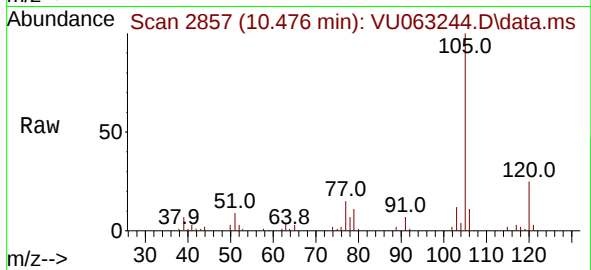
ClientSampleId :

Tgt Ion:105 Resp: 36947

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#70

1,1,2,2-Tetrachloroethane

Concen: 0.768 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

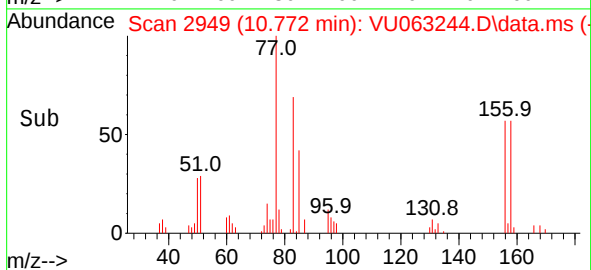
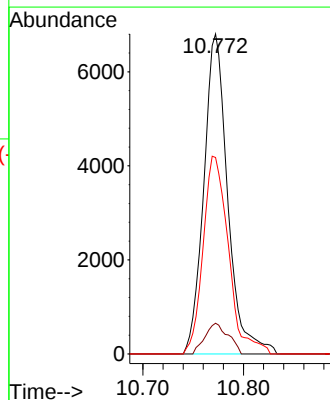
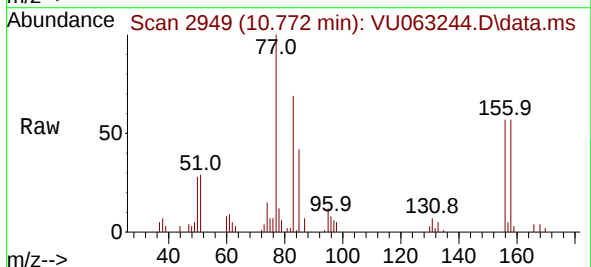
Tgt Ion: 83 Resp: 11257

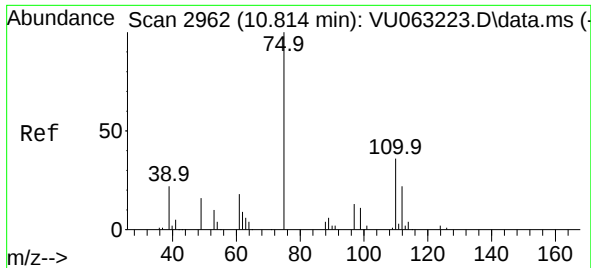
Ion Ratio Lower Upper

83 100

131 9.3 7.4 11.0

85 65.6 51.8 77.8

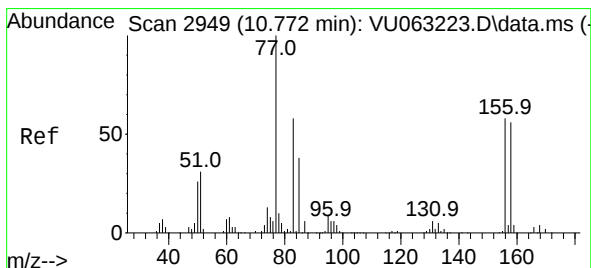
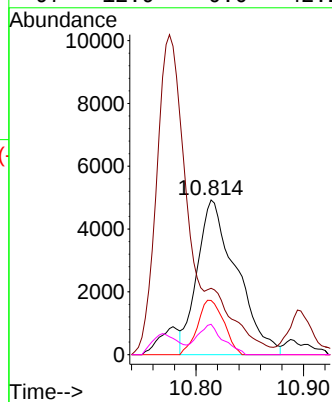
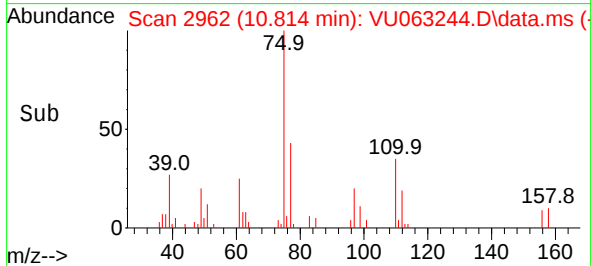
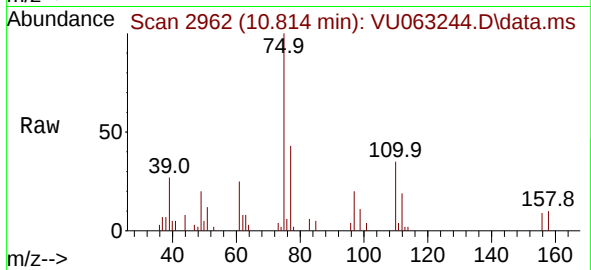




#71  
1,2,3-Trichloropropane  
Concen: 1.134 ug/l  
RT: 10.814 min Scan# 2962  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

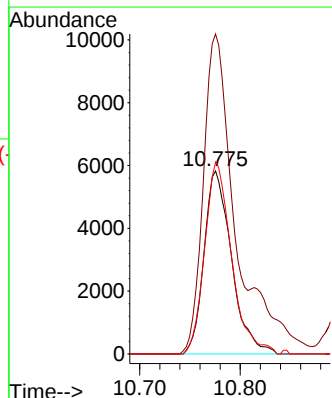
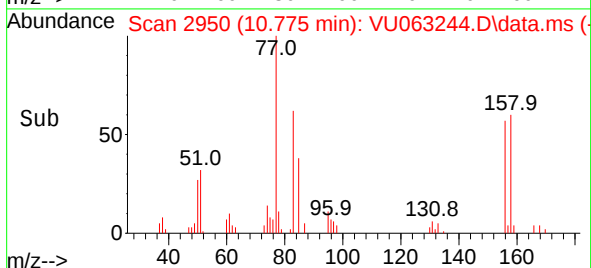
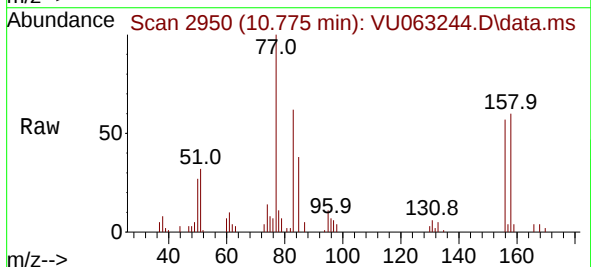
Instrument :  
MSVOA\_U  
ClientSampleId :

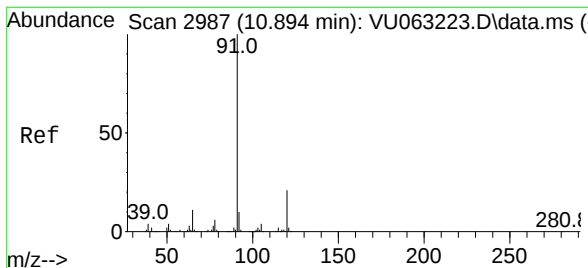
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12489 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |
| 110       | 23.6  | 0.0   | 77.0  |
| 97        | 12.9  | 0.0   | 42.2  |



#72  
Bromobenzene  
Concen: 0.749 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 11058 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 173.2 | 0.0   | 343.6 |
| 158       | 103.0 | 0.0   | 193.0 |





#73

n-propylbenzene

Concen: 0.649 ug/l

RT: 10.898 min Scan# 2988

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

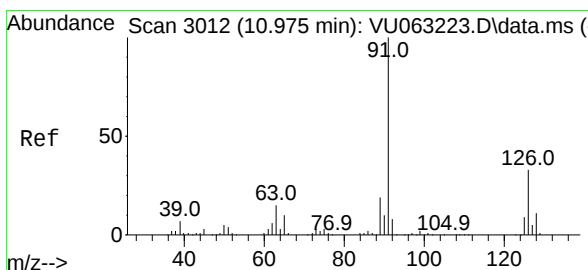
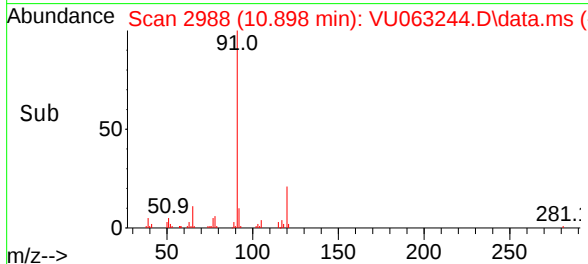
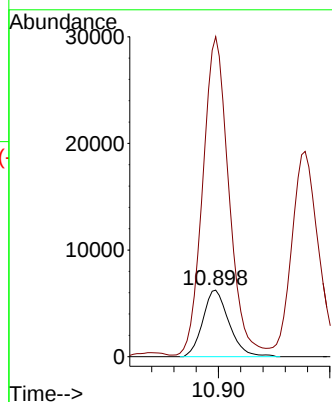
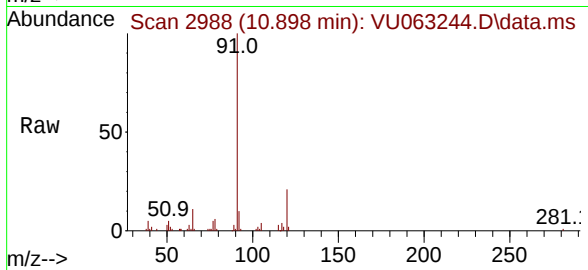
ClientSampleId :

Tgt Ion:120 Resp: 10183

Ion Ratio Lower Upper

120 100

91 475.0 369.8 554.6



#74

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. 0.003 min

Lab File: VU063244.D

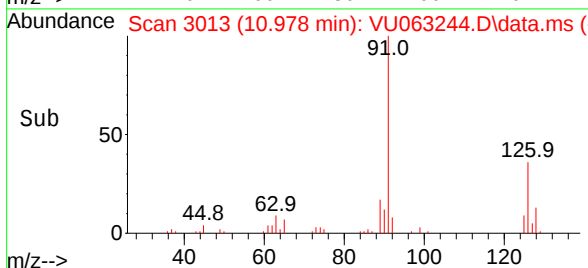
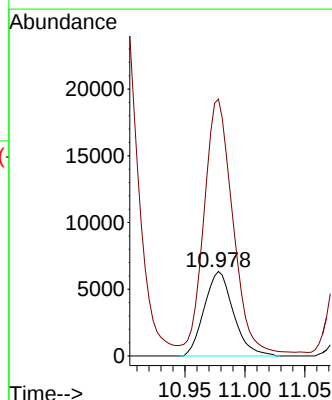
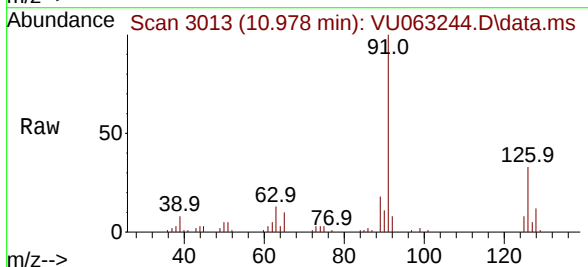
Acq: 11 Feb 2025 18:40

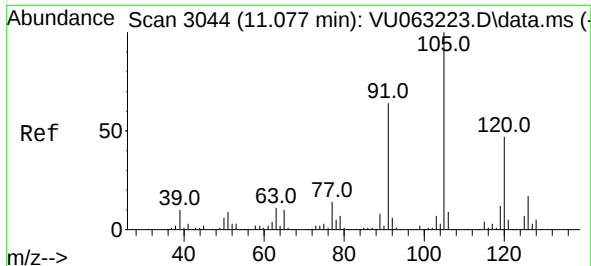
Tgt Ion:126 Resp: 10687

Ion Ratio Lower Upper

126 100

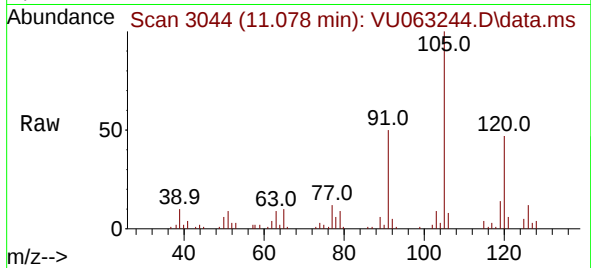
91 297.8 0.0 623.8



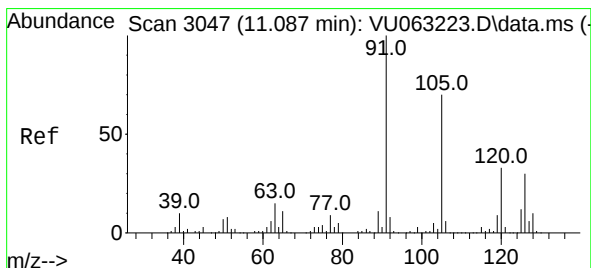
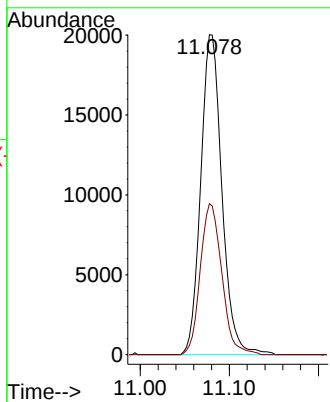
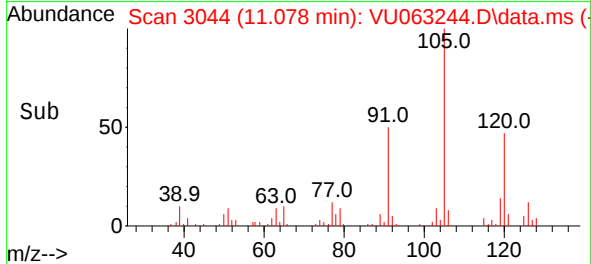


#75  
1,3,5-Trimethylbenzene  
Concen: 0.651 ug/l  
RT: 11.078 min Scan# 3044  
Delta R.T. 0.000 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Instrument :  
MSVOA\_U  
ClientSampleId :

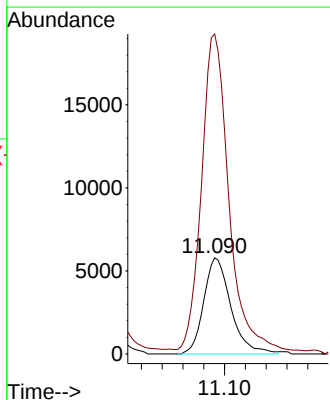
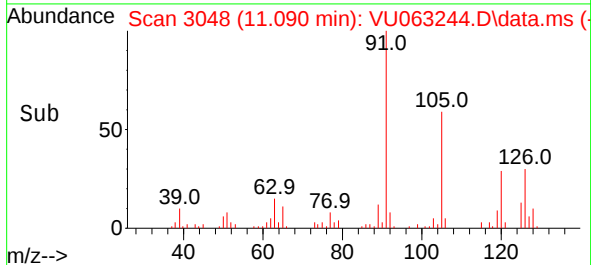
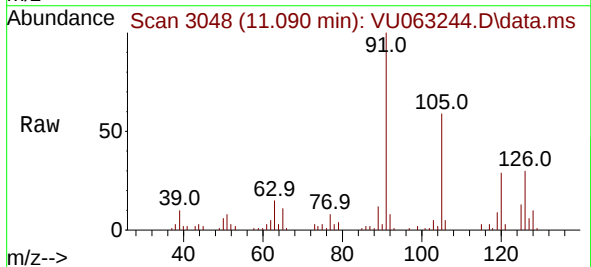


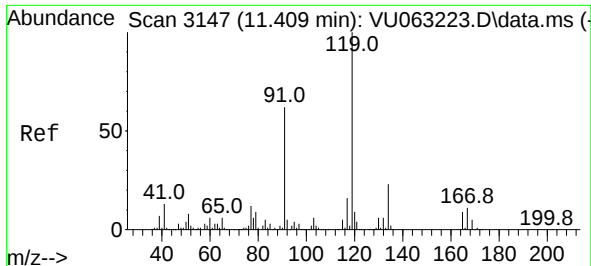
Tgt Ion:105 Resp: 33034  
Ion Ratio Lower Upper  
105 100  
120 48.0 37.3 55.9



#76  
4-Chlorotoluene  
Concen: 0.708 ug/l  
RT: 11.090 min Scan# 3048  
Delta R.T. 0.003 min  
Lab File: VU063244.D  
Acq: 11 Feb 2025 18:40

Tgt Ion:126 Resp: 10496  
Ion Ratio Lower Upper  
126 100  
91 331.0 0.0 703.6





#77

tert-Butylbenzene

Concen: 0.692 ug/l

RT: 11.409 min Scan# 3147

Delta R.T. 0.000 min

Lab File: VU063244.D

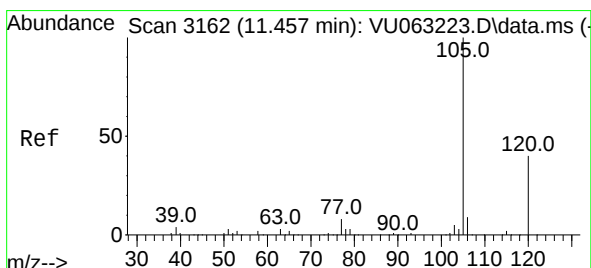
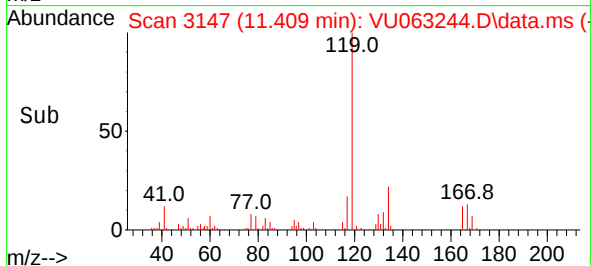
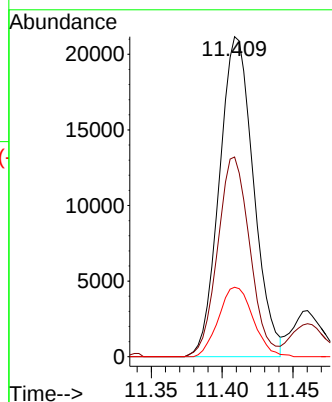
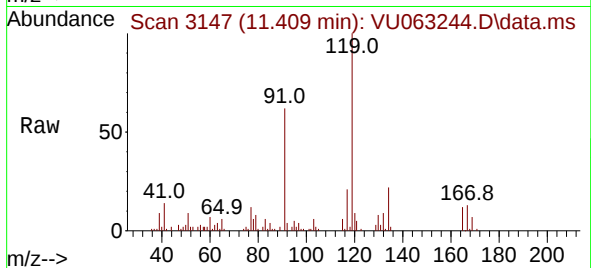
Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 35505     |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 59.0  | 29.4 88.3 |
| 134         | 22.0  | 17.6 26.4 |



#78

1,2,4-Trimethylbenzene

Concen: 0.630 ug/l

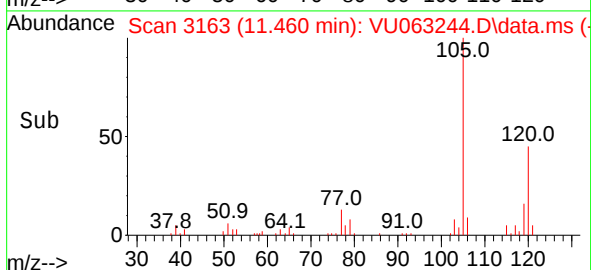
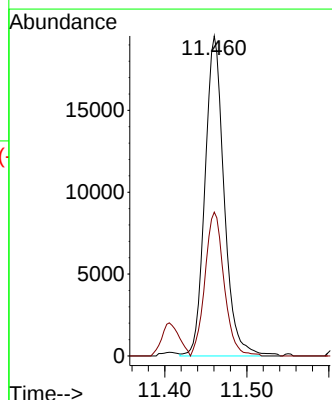
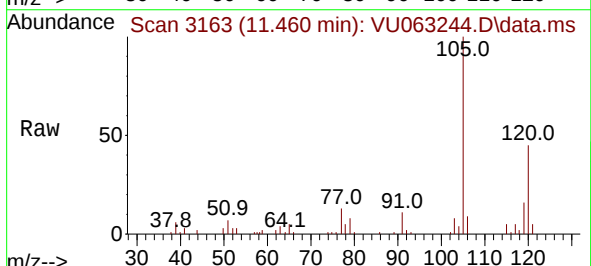
RT: 11.460 min Scan# 3163

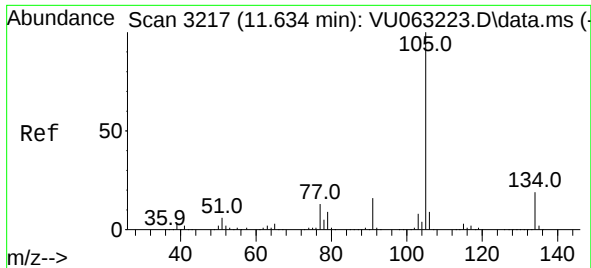
Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 31729     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 44.8  | 21.9 65.7 |





#79

sec-Butylbenzene

Concen: 0.685 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

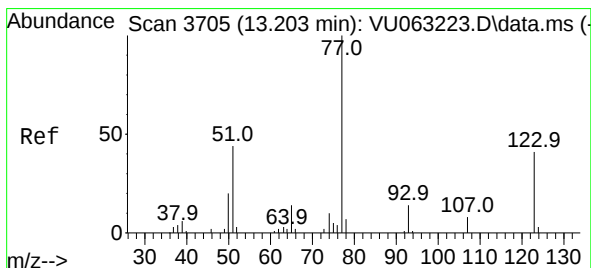
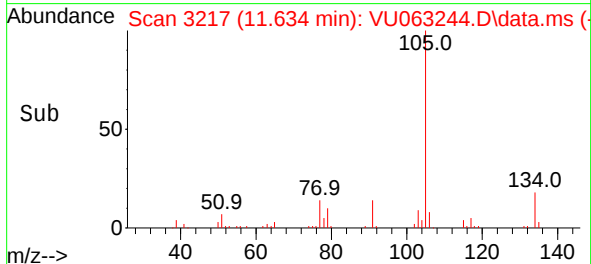
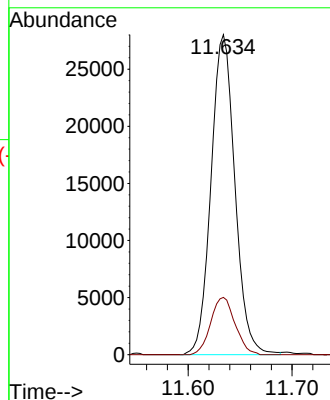
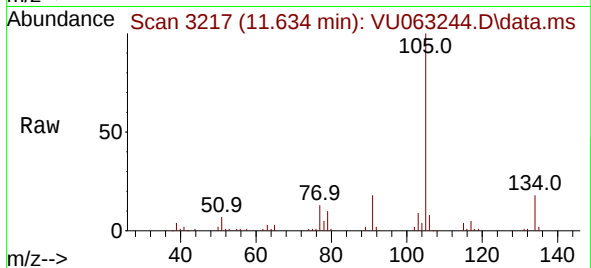
ClientSampleId :

Tgt Ion:105 Resp: 44774

Ion Ratio Lower Upper

105 100

134 18.2 15.1 22.7



#80

Nitrobenzene

Concen: 2.698 ug/l

RT: 13.232 min Scan# 3714

Delta R.T. 0.029 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

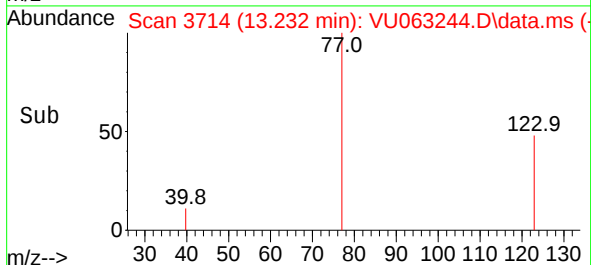
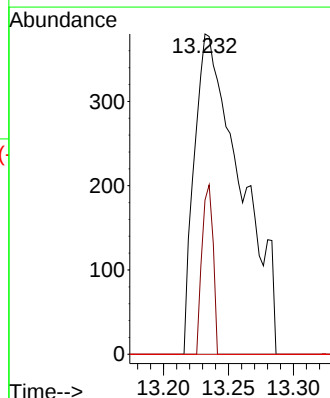
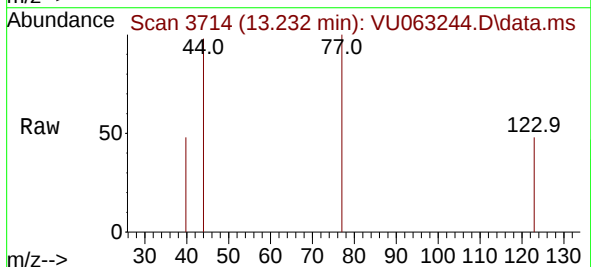
Tgt Ion: 77 Resp: 941

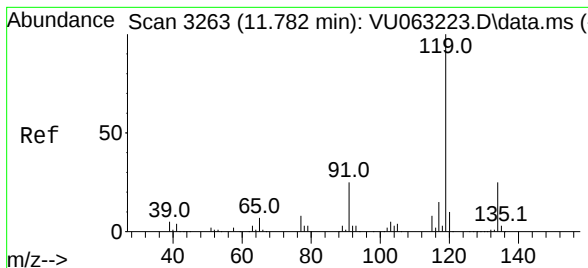
Ion Ratio Lower Upper

77 100

123 12.6 18.9 67.1#

65 0.0 11.9 15.1#





#81

p-Isopropyltoluene

Concen: 0.630 ug/l

RT: 11.785 min Scan# 32476

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

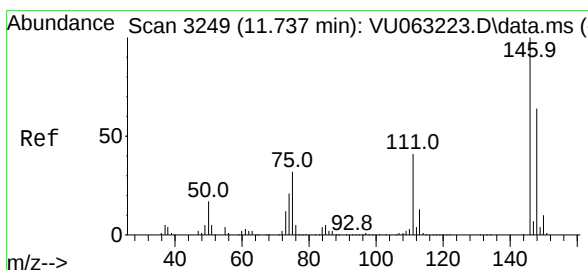
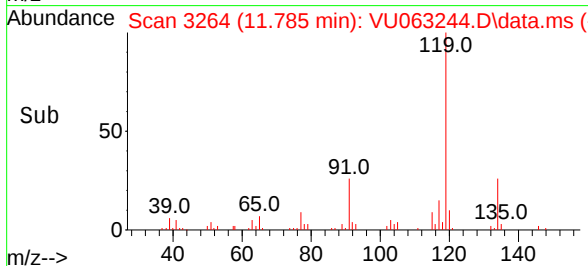
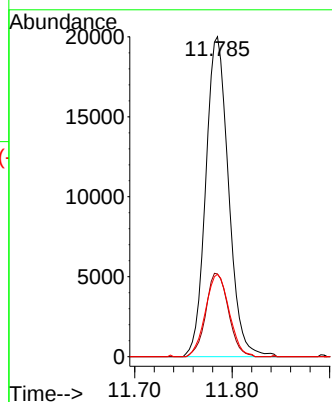
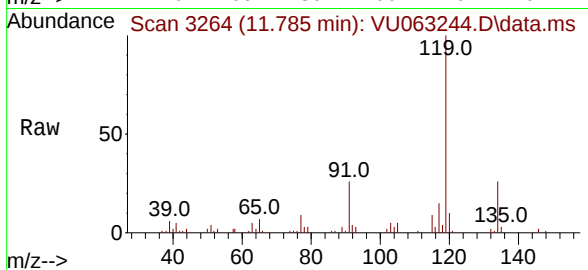
Tgt Ion:119 Resp: 32476

Ion Ratio Lower Upper

119 100

134 25.8 20.3 30.5

91 26.8 19.4 29.2



#82

1,3-Dichlorobenzene

Concen: 0.731 ug/l

RT: 11.740 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

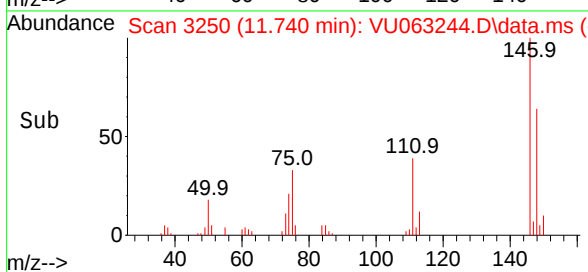
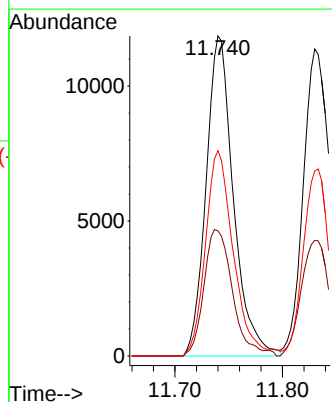
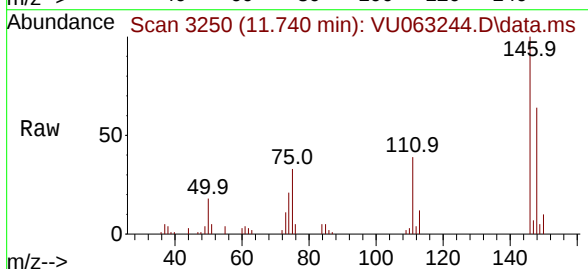
Tgt Ion:146 Resp: 20940

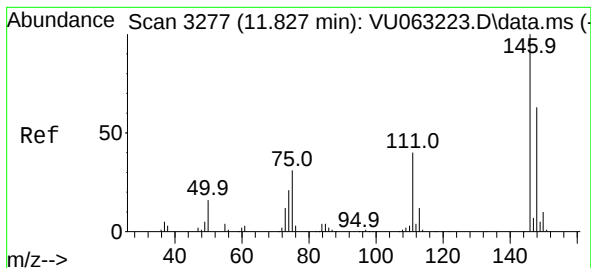
Ion Ratio Lower Upper

146 100

111 41.2 32.8 49.2

148 65.4 51.1 76.7





#83

1,4-Dichlorobenzene

Concen: 0.765 ug/l

RT: 11.830 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

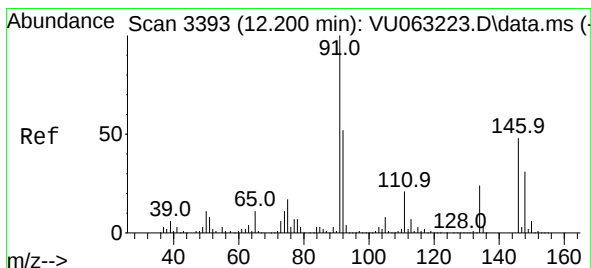
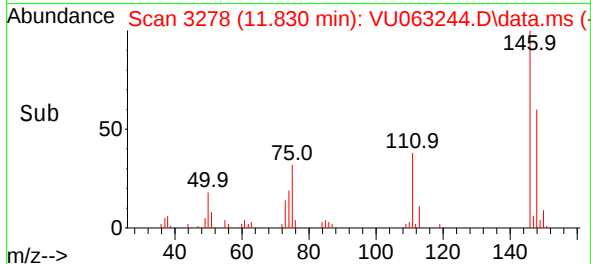
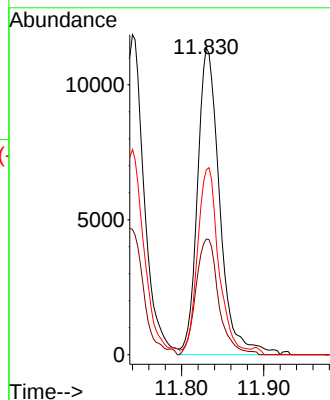
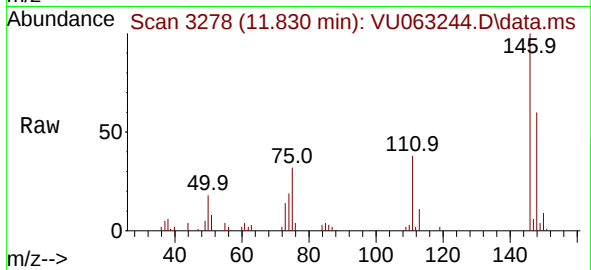
Tgt Ion:146 Resp: 21415

Ion Ratio Lower Upper

146 100

111 38.4 32.1 48.1

148 55.1 50.2 75.4



#84

n-Butylbenzene

Concen: 0.646 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

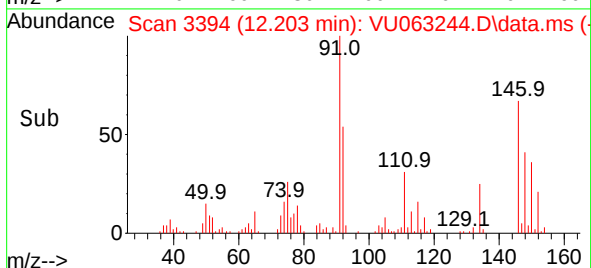
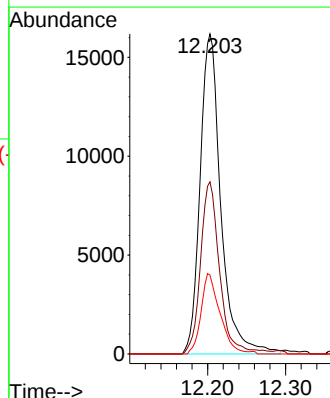
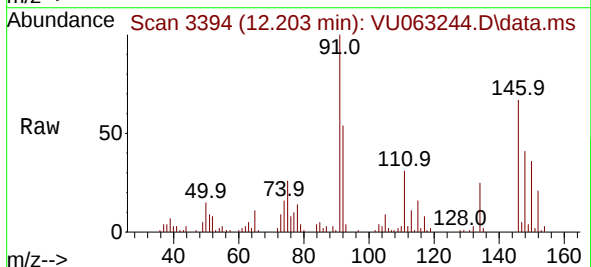
Tgt Ion: 91 Resp: 29869

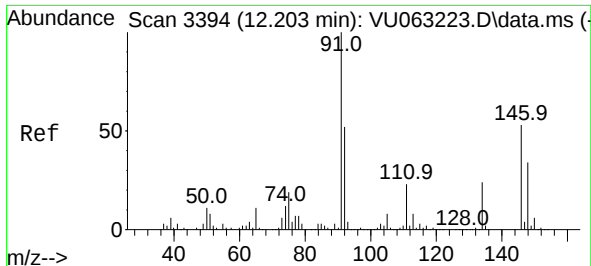
Ion Ratio Lower Upper

91 100

92 49.8 41.8 62.8

134 22.7 18.6 28.0





#85

1,2-Dichlorobenzene

Concen: 0.710 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

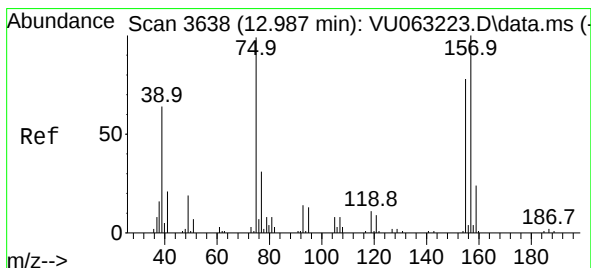
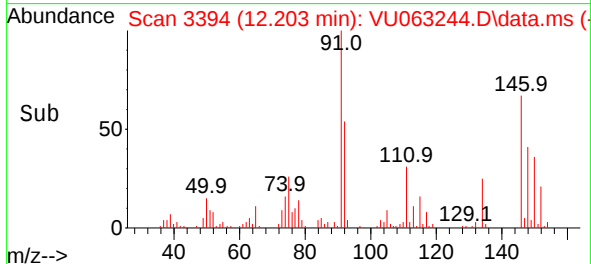
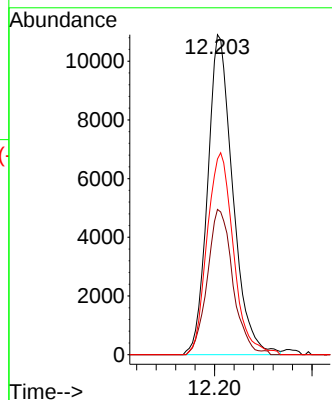
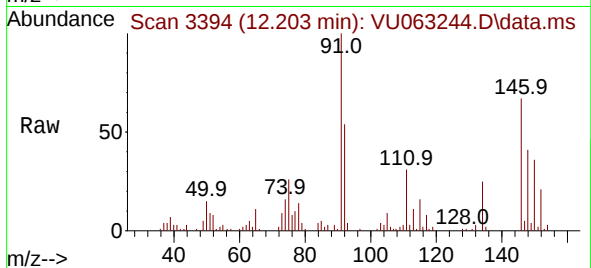
Tgt Ion:146 Resp: 19542

Ion Ratio Lower Upper

146 100

111 45.9 21.9 65.7

148 66.1 32.3 96.9



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.343 ug/l

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

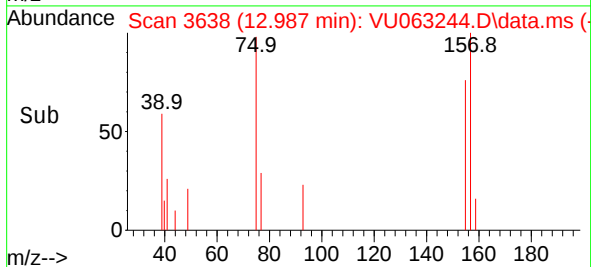
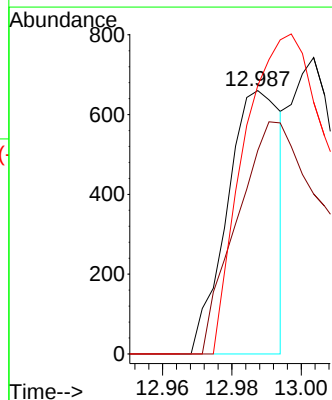
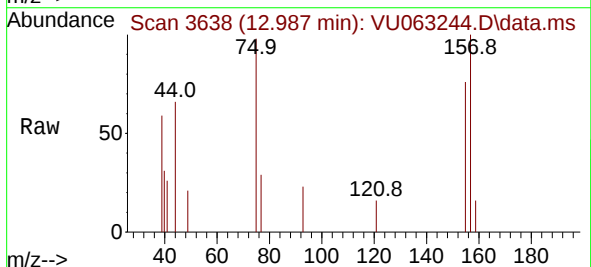
Tgt Ion: 75 Resp: 707

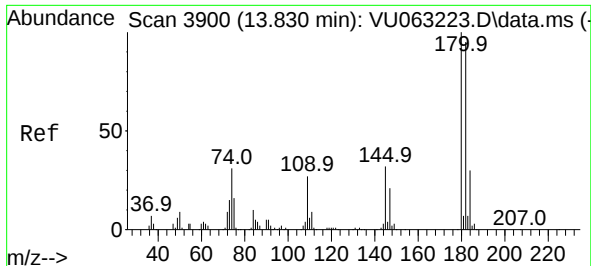
Ion Ratio Lower Upper

75 100

155 159.7 63.5 95.3#

157 201.6 81.8 122.6#





#87

1,2,4-Trichlorobenzene

Concen: 0.684 ug/l

RT: 13.836 min Scan# 3900

Delta R.T. 0.007 min

Lab File: VU063244.D

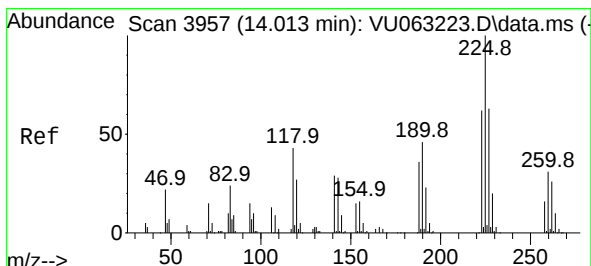
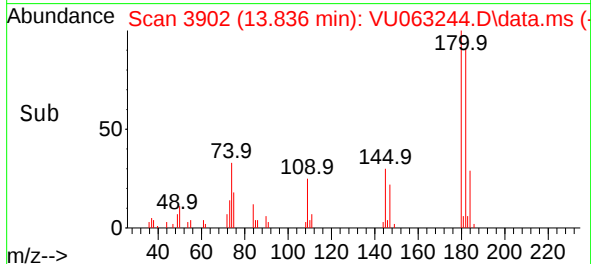
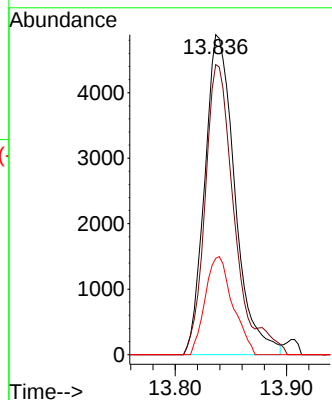
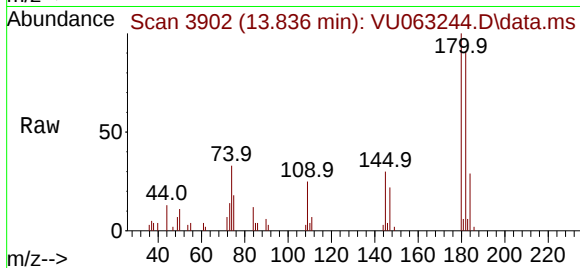
Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 9173       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 87.8  | 76.6 115.0 |
| 145         | 28.0  | 25.4 38.2  |



#88

Hexachlorobutadiene

Concen: 0.774 ug/l

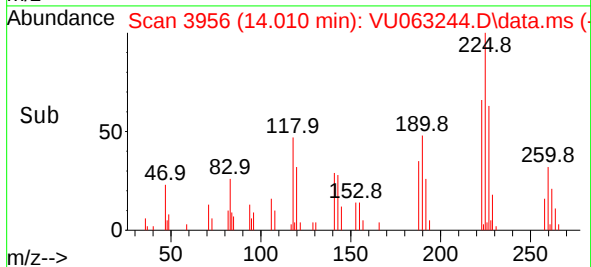
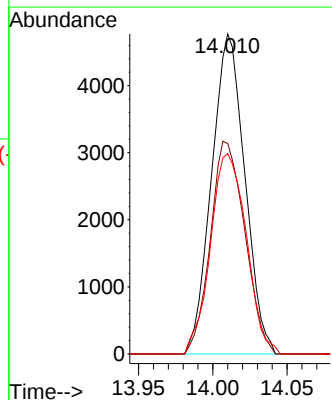
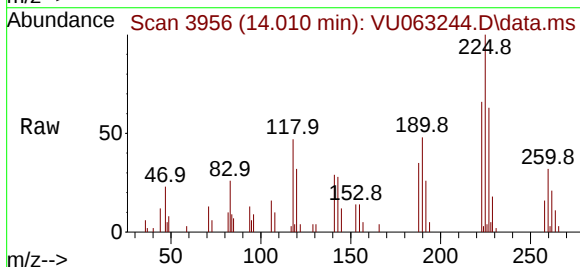
RT: 14.010 min Scan# 3956

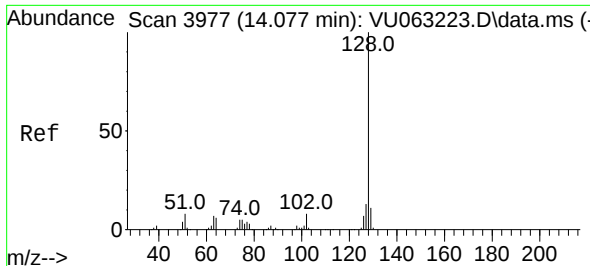
Delta R.T. -0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 7420      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 68.8  | 49.5 74.3 |
| 227         | 67.5  | 51.0 76.4 |





#89

Naphthalene

Concen: 0.550 ug/l

RT: 14.094 min Scan# 3977

Delta R.T. 0.016 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Instrument :

MSVOA\_U

ClientSampleId :

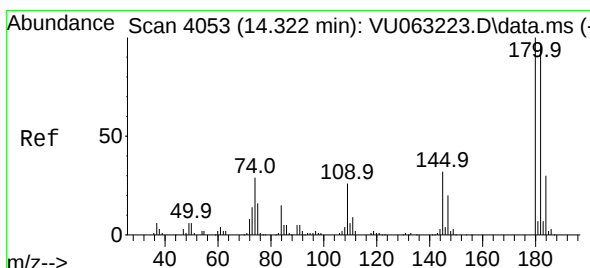
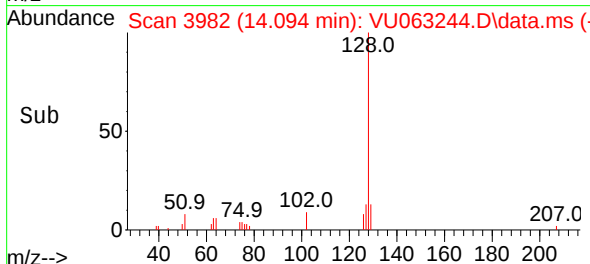
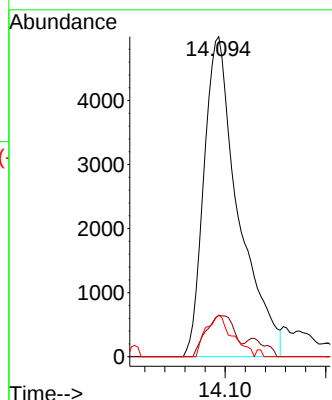
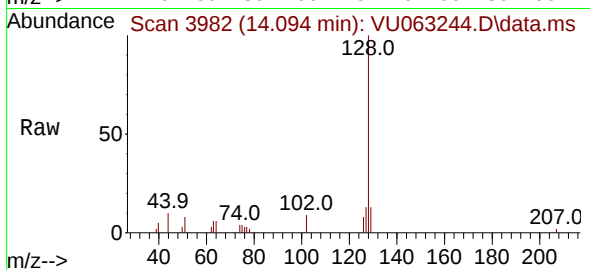
Tgt Ion:128 Resp: 11888

Ion Ratio Lower Upper

128 100

127 10.6 10.6 16.0#

129 10.0 8.6 13.0



#90

1,2,3-Trichlorobenzene

Concen: 0.733 ug/l

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063244.D

Acq: 11 Feb 2025 18:40

Tgt Ion:180 Resp: 9621

Ion Ratio Lower Upper

180 100

182 94.3 78.2 117.2

145 28.4 26.1 39.1

