

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020625\  
 Data File : VU063210.D  
 Acq On : 06 Feb 2025 21:09  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 07 07:34:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 07 07:28:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 76598    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 73866    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152   | 34078    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 17092    | 3.901    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 1.901  | 69    | 18226    | 4.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 7835     | 4.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.200%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 68151    | 47.249   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.500%  |
| 24) Chloroform-d              | 5.046  | 84    | 48102    | 4.966    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 24468    | 4.911    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.200%  |
| 32) Benzene-d6                | 5.714  | 84    | 88487    | 4.593    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.676  | 67    | 29875    | 4.703    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.000%  |
| 41) Toluene-d8                | 7.888  | 98    | 76989    | 4.523    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.400%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 10640    | 4.470    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.400%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 52746    | 44.032   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 26222    | 4.677    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 27693    | 4.867    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 35183    | 5.302    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 39244    | 5.398    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 40559    | 5.511    | ug/L   | 98       |
| 6) Bromomethane               | 1.840  | 94    | 17789    | 4.808    | ug/L   | 97       |
| 8) Chloroethane               | 1.920  | 64    | 24612    | 5.552    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 45940    | 5.558    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101   | 27130    | 5.339    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 27973    | 5.618    | ug/L   | 86       |
| 13) Acetone                   | 2.612  | 43    | 45702    | 50.316   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.782  | 76    | 93034    | 5.322    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.940  | 43    | 13159    | 5.305    | ug/L   | 97       |
| 16) Methylene chloride        | 3.030  | 84    | 32949    | 5.532    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 73130    | 5.330    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.342  | 96    | 30024    | 5.640    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 59807    | 5.588    | ug/L   | 98       |
| 21) 2-Butanone                | 4.686  | 43    | 77901    | 51.656   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96    | 34371    | 5.787    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.959  | 128   | 15232    | 5.717    | ug/L   | 96       |
| 25) Chloroform                | 5.075  | 83    | 60516    | 5.745    | ug/L   | 100      |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 07 07:34:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 07 07:28:28 2025  
 Response via : Initial Calibration

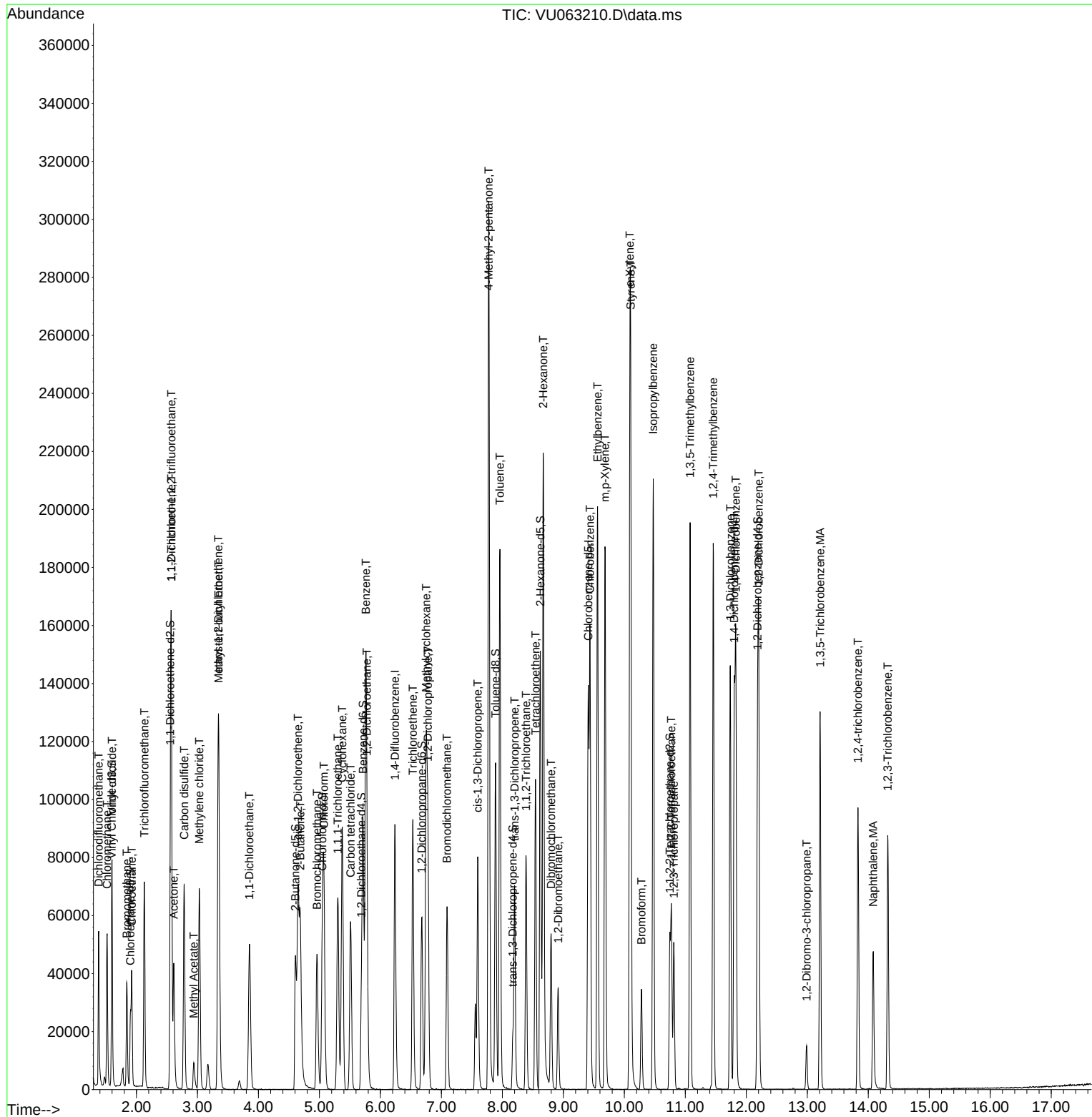
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.779  | 62   | 39631    | 5.710  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.300  | 97   | 48665    | 5.566  | ug/L  | 99       |
| 30) Cyclohexane               | 5.374  | 56   | 44288    | 4.786  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 40022    | 5.425  | ug/L  | 99       |
| 33) Benzene                   | 5.759  | 78   | 133593   | 5.496  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 33037    | 5.351  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.750  | 83   | 44970    | 4.861  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 35532    | 5.481  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.091  | 83   | 42549    | 5.466  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 48356    | 5.230  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 193756   | 50.634 | ug/L  | 99       |
| 42) Toluene                   | 7.959  | 91   | 140873   | 5.545  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 39511    | 5.105  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.386  | 97   | 25334    | 5.291  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 23539    | 5.429  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.669  | 43   | 133553   | 49.471 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 27448    | 5.446  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 23552    | 5.363  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 83084    | 5.417  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 141957   | 5.342  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.682  | 106  | 53891    | 5.622  | ug/L  | 97       |
| 54) o-Xylene                  | 10.090 | 106  | 51929    | 5.463  | ug/L  | 99       |
| 55) Styrene                   | 10.103 | 104  | 88025    | 5.626  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.769 | 83   | 32360    | 5.265  | ug/L  | 97       |
| 59) Bromoform                 | 10.280 | 173  | 15830    | 5.388  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.473 | 105  | 134010   | 5.538  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 21588    | 5.249  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 105217   | 5.512  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 102899   | 5.606  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 61510    | 5.610  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 59865    | 5.431  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 58469    | 5.707  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 4513     | 5.485  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 41512    | 5.541  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 31286    | 5.308  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 43794    | 4.527  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 28590    | 5.429  | ug/L  | 93       |

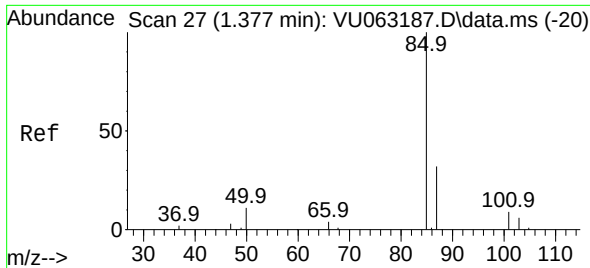
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VSTDCCC005EC  
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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QLast Update : Fri Feb 07 07:28:28 2025  
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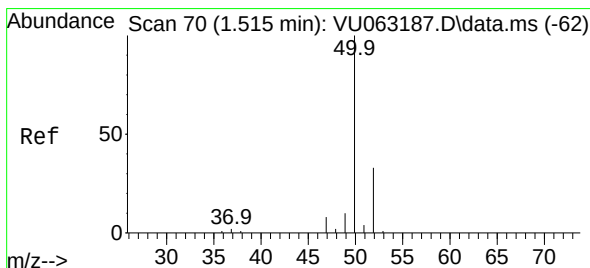
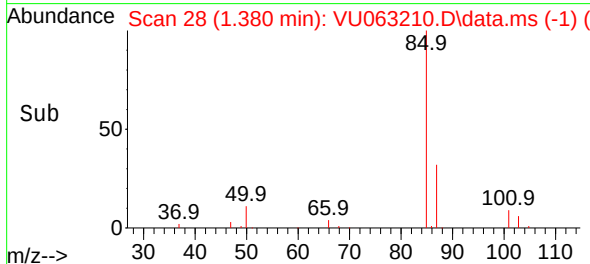
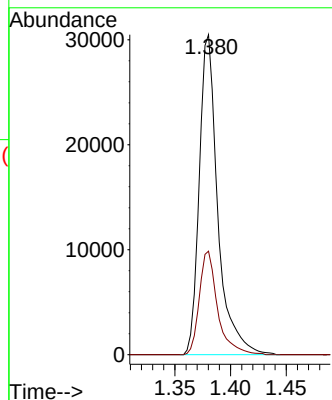
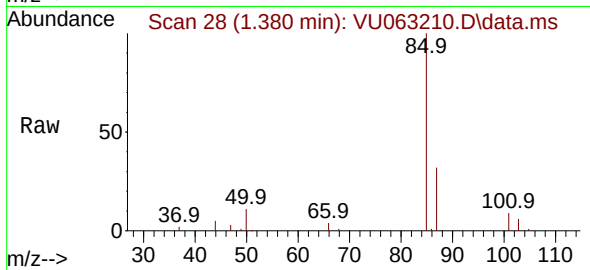




#2  
 Dichlorodifluoromethane  
 Concen: 5.302 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

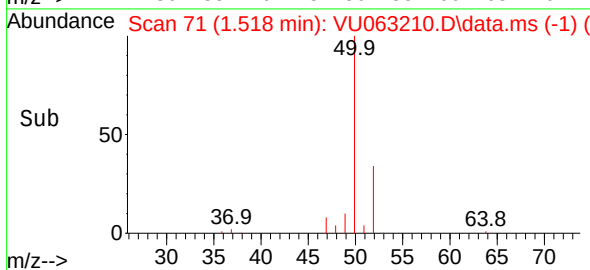
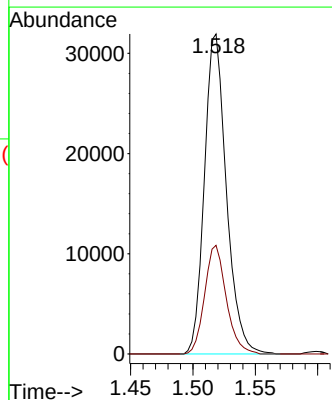
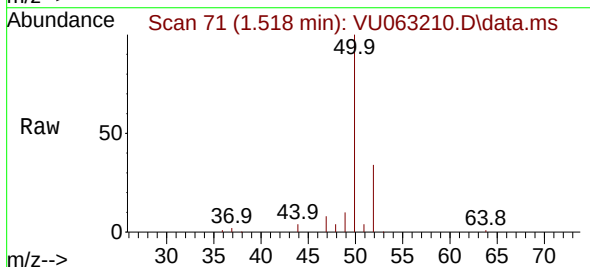
Instrument :  
 MSVOA\_U  
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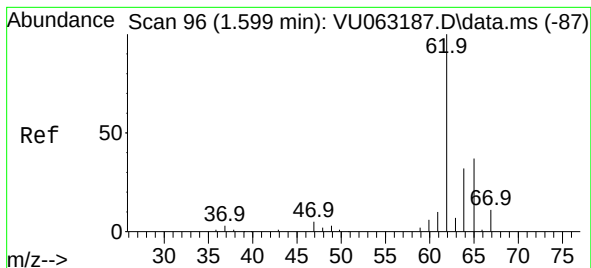
Tgt Ion: 85 Resp: 35183  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 25.9 38.9



#3  
 Chloromethane  
 Concen: 5.398 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.003 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

Tgt Ion: 50 Resp: 39244  
 Ion Ratio Lower Upper  
 50 100  
 52 34.0 23.4 43.6





#5

Vinyl chloride

Concen: 5.511 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

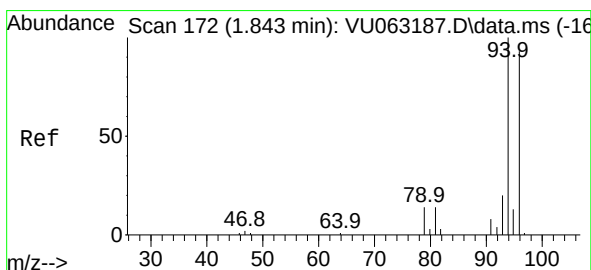
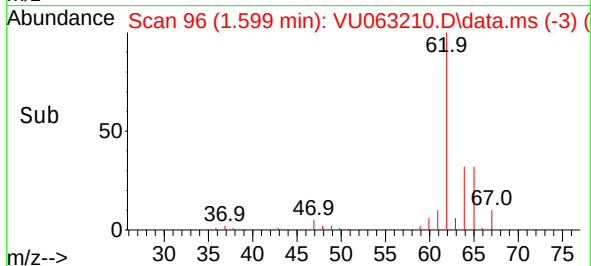
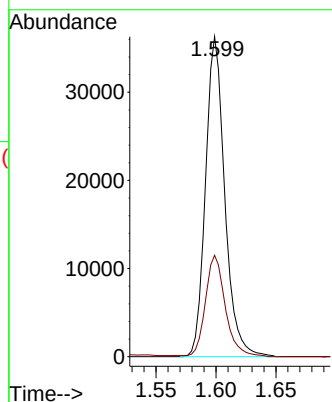
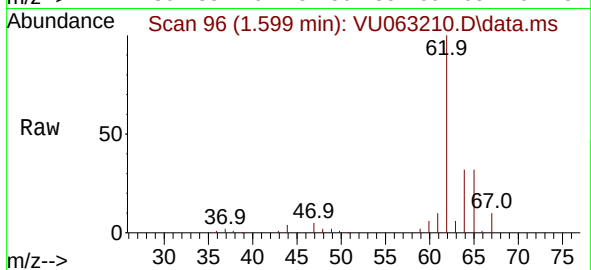
ClientSampleId :

Tgt Ion: 62 Resp: 40559

Ion Ratio Lower Upper

62 100

64 31.7 23.2 43.0



#6

Bromomethane

Concen: 4.808 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.003 min

Lab File: VU063210.D

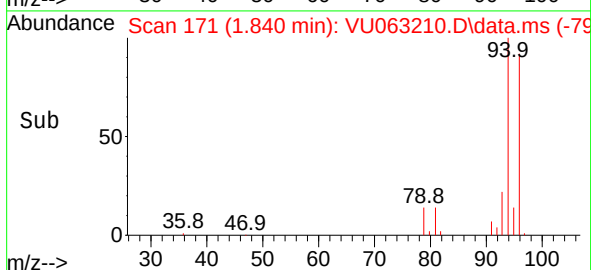
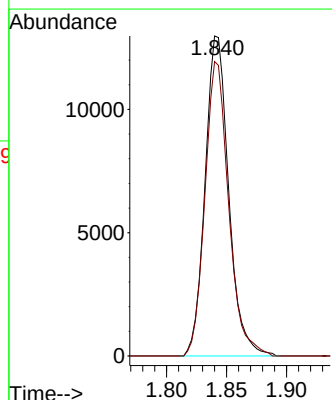
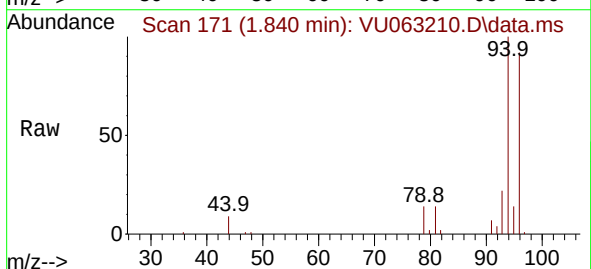
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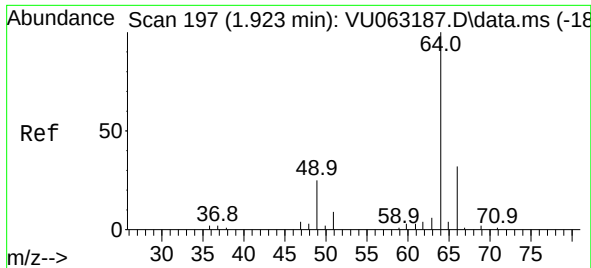
Tgt Ion: 94 Resp: 17789

Ion Ratio Lower Upper

94 100

96 92.0 66.3 123.1

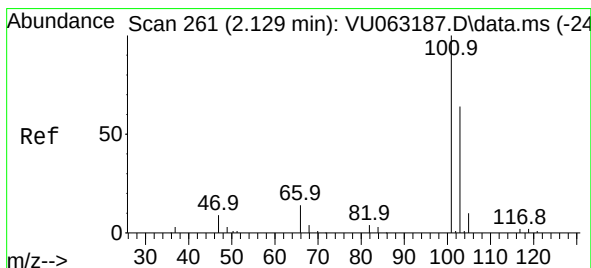
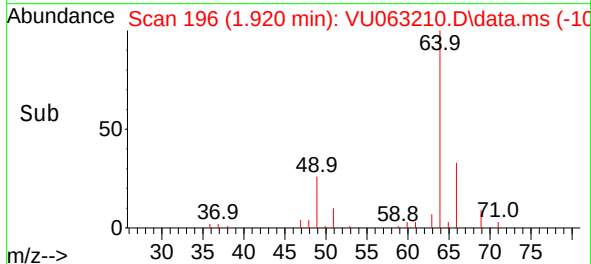
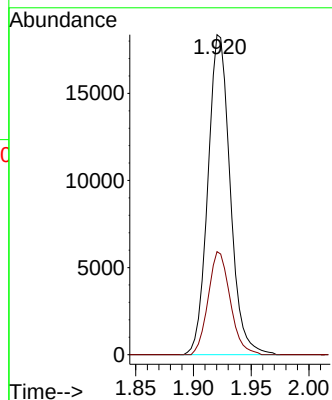
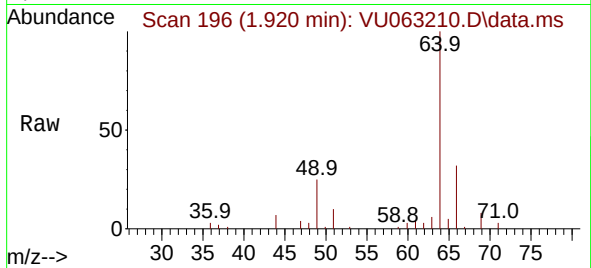




#8  
Chloroethane  
Concen: 5.552 ug/L  
RT: 1.920 min Scan# 196  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

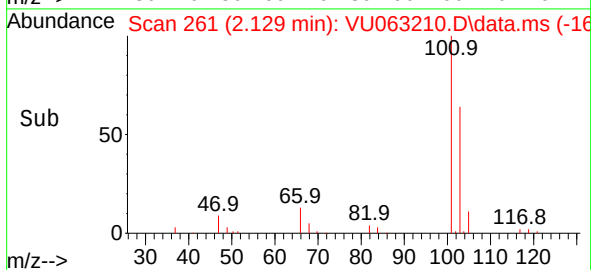
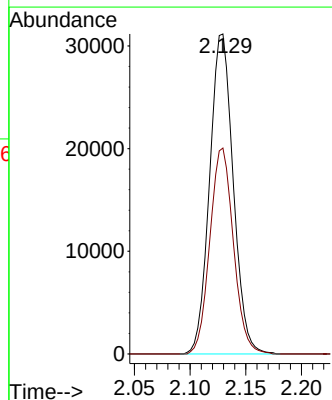
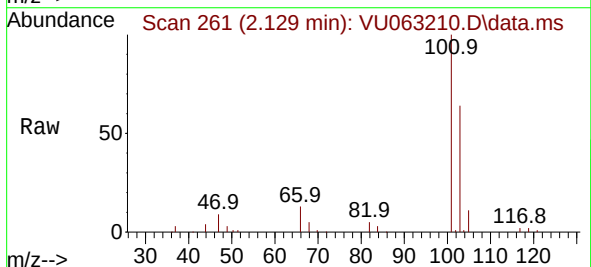
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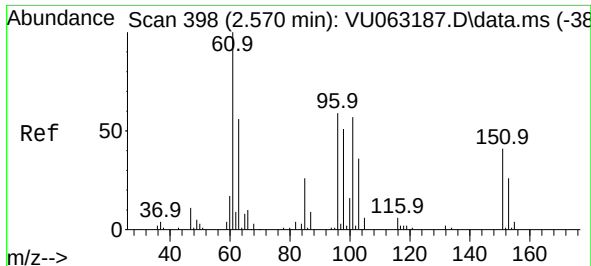
Tgt Ion: 64 Resp: 24612  
Ion Ratio Lower Upper  
64 100  
66 32.2 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 5.558 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Tgt Ion:101 Resp: 45940  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.8 77.8

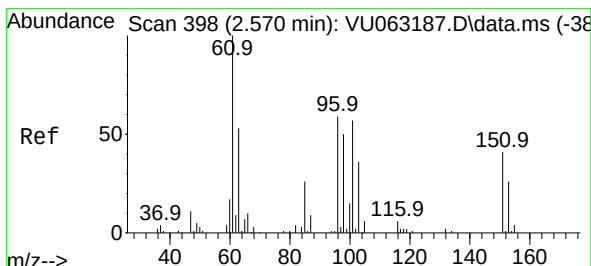
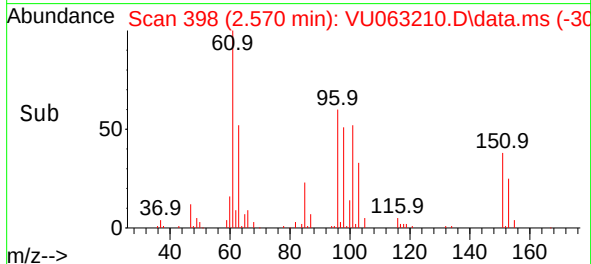
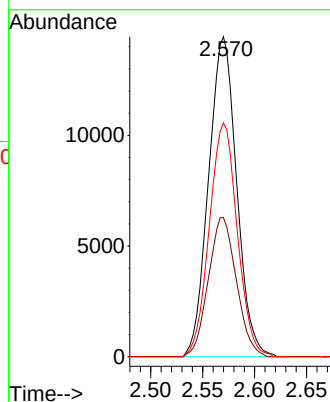
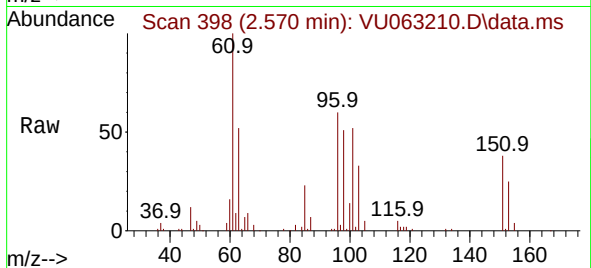




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.339 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

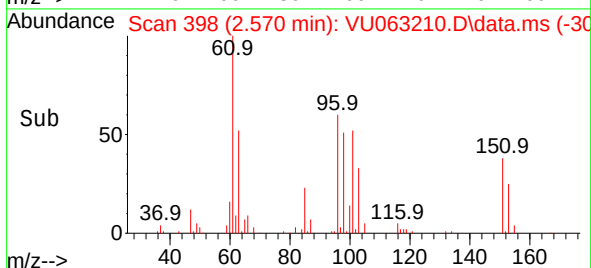
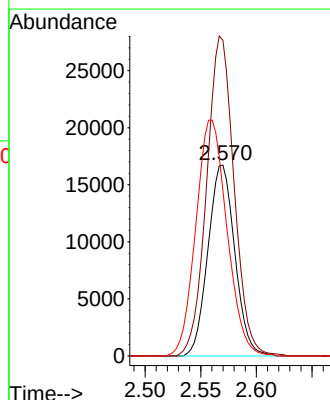
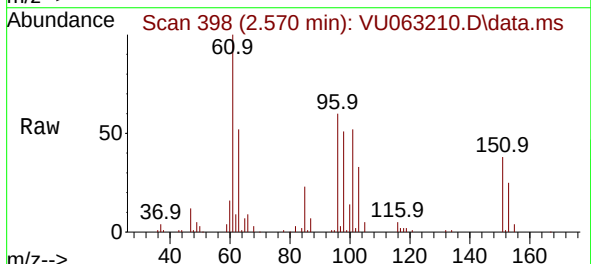
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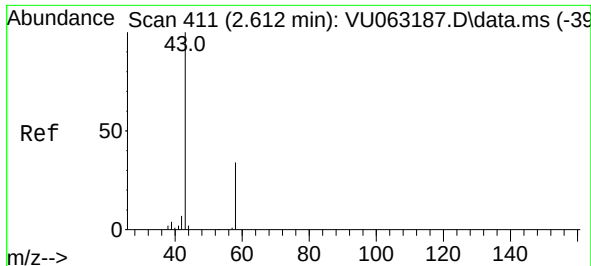
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 Ion Ratio Lower Upper  
 101 100  
 85 43.4 35.0 52.4  
 151 72.8 56.3 84.5



#12  
 1,1-Dichloroethene  
 Concen: 5.618 ug/L  
 RT: 2.570 min Scan# 398  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

Tgt Ion: 96 Resp: 27973  
 Ion Ratio Lower Upper  
 96 100  
 61 165.4 121.9 226.3  
 63 86.8 80.3 149.1





#13

Acetone

Concen: 50.316 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

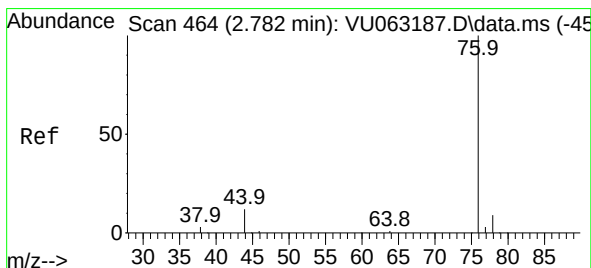
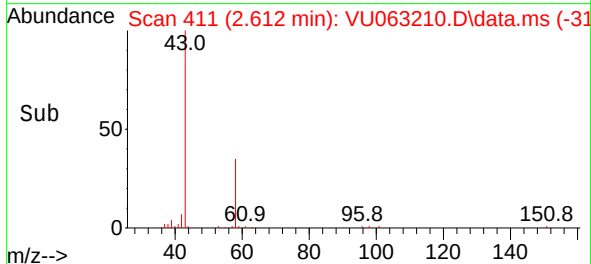
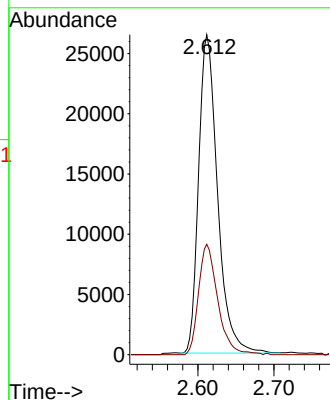
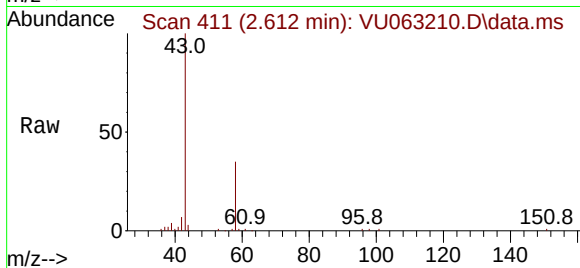
ClientSampleId :

Tgt Ion: 43 Resp: 45702

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 5.322 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063210.D

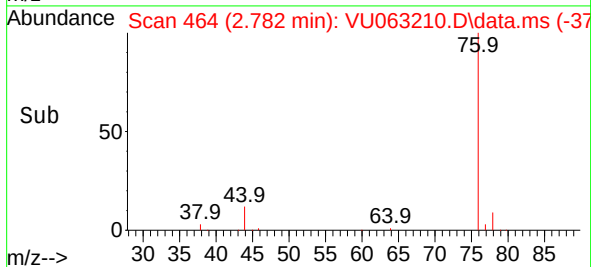
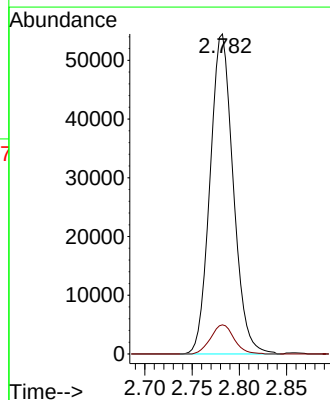
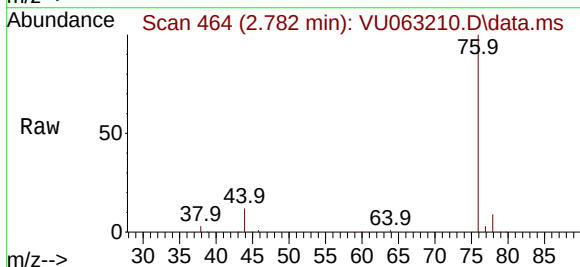
Acq: 06 Feb 2025 21:09

Tgt Ion: 76 Resp: 93034

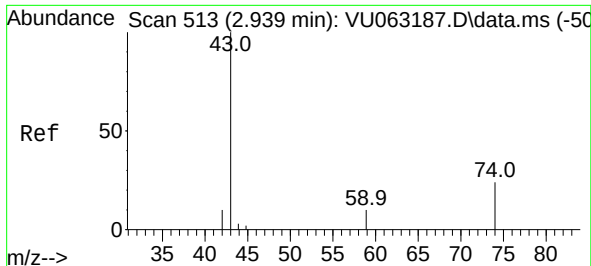
Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3







#15

Methyl Acetate

Concen: 5.305 ug/L

RT: 2.940 min Scan# 513

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

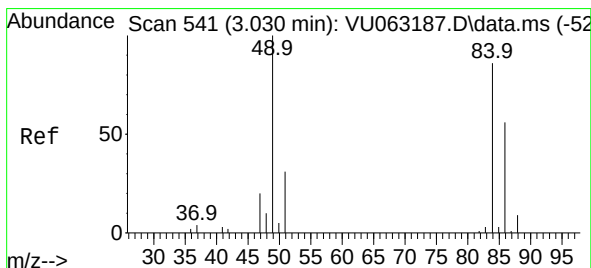
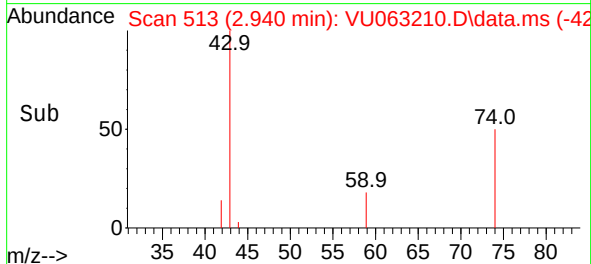
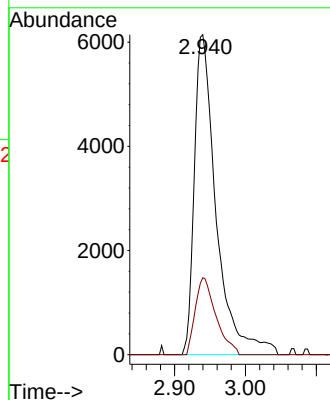
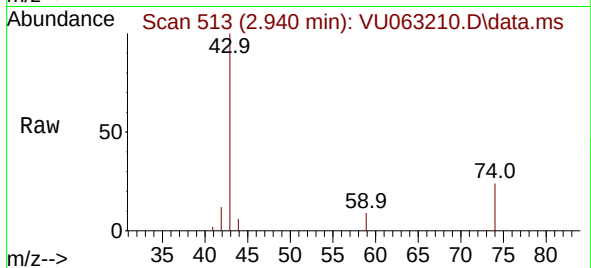
ClientSampleId :

Tgt Ion: 43 Resp: 13159

Ion Ratio Lower Upper

43 100

74 22.8 19.5 29.3



#16

Methylene chloride

Concen: 5.532 ug/L

RT: 3.030 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

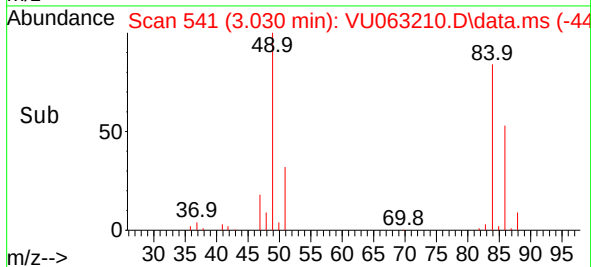
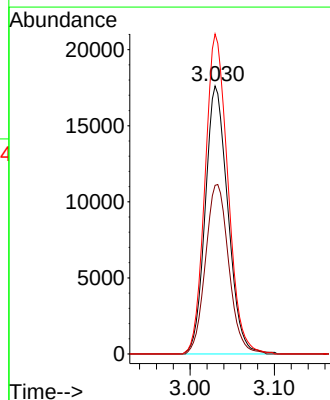
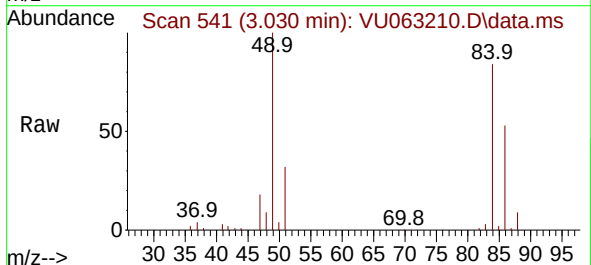
Tgt Ion: 84 Resp: 32949

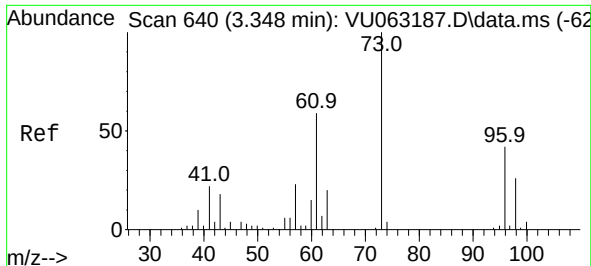
Ion Ratio Lower Upper

84 100

86 62.9 45.0 83.6

49 119.4 82.4 153.0





#17

Methyl tert-butyl Ether

Concen: 5.330 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

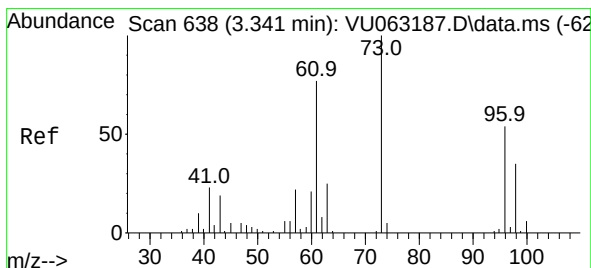
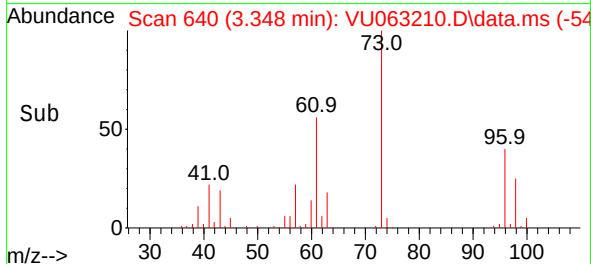
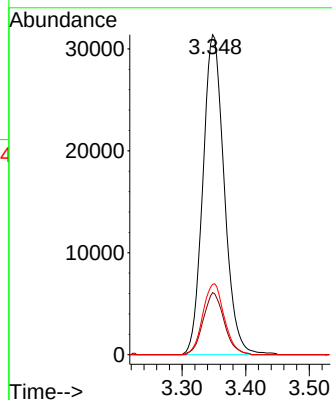
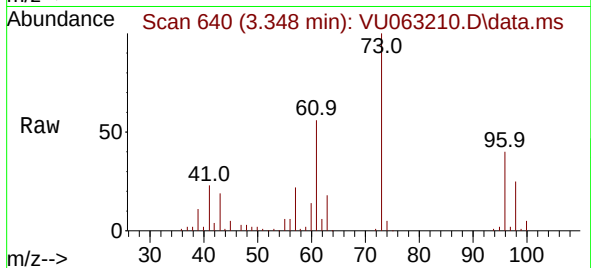
Tgt Ion: 73 Resp: 73130

Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

57 22.3 18.7 28.1



#18

trans-1,2-Dichloroethene

Concen: 5.640 ug/L

RT: 3.342 min Scan# 638

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

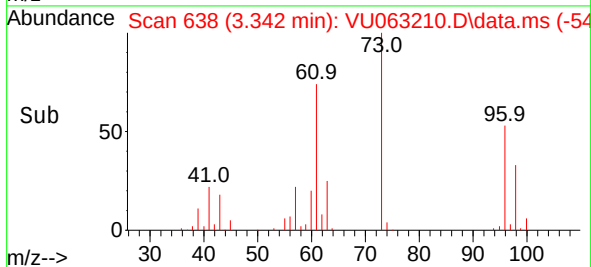
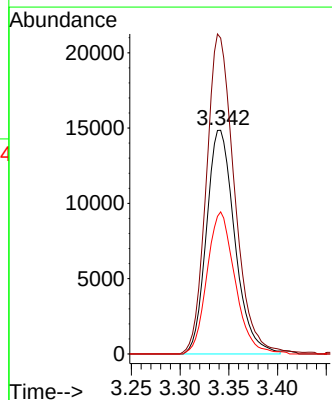
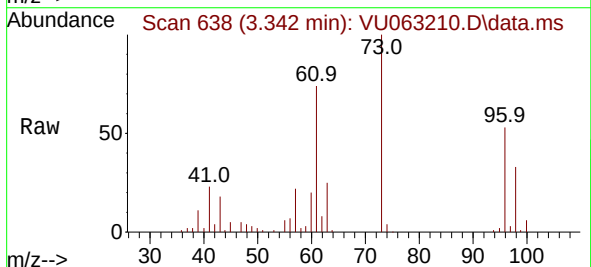
Tgt Ion: 96 Resp: 30024

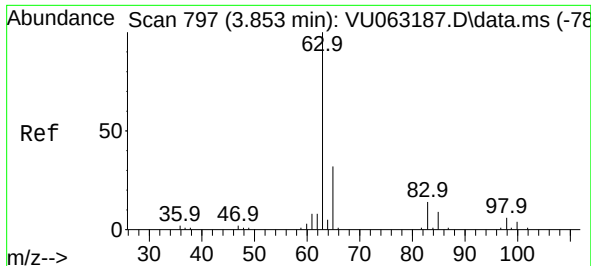
Ion Ratio Lower Upper

96 100

61 141.2 99.2 184.2

98 63.5 43.2 80.2

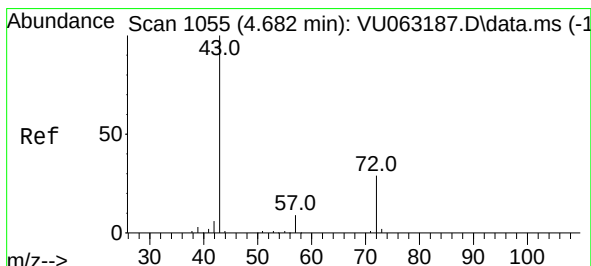
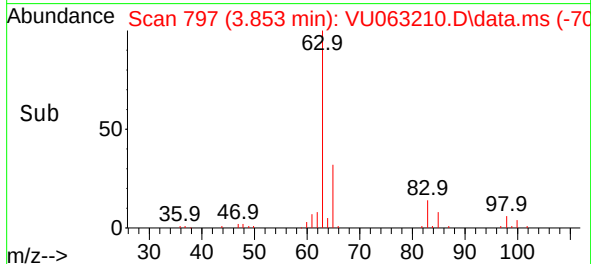
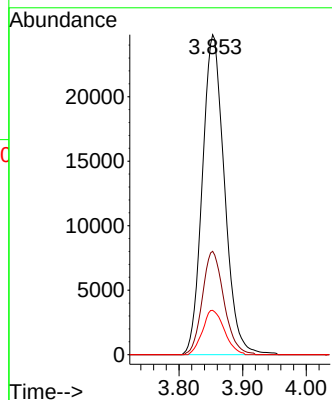
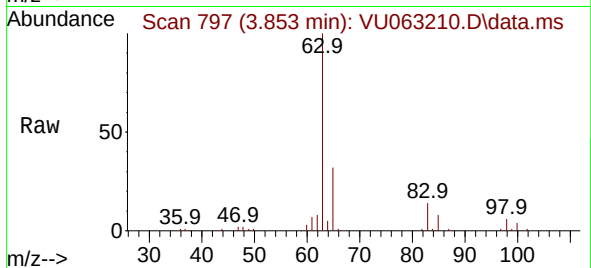




#19  
1,1-Dichloroethane  
Concen: 5.588 ug/L  
RT: 3.853 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

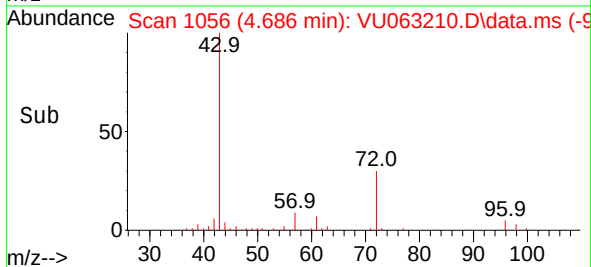
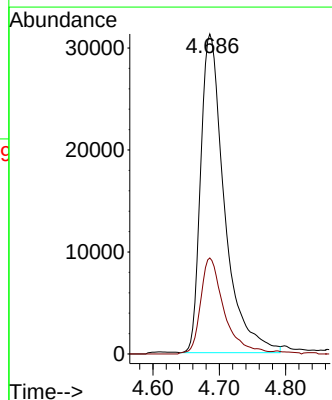
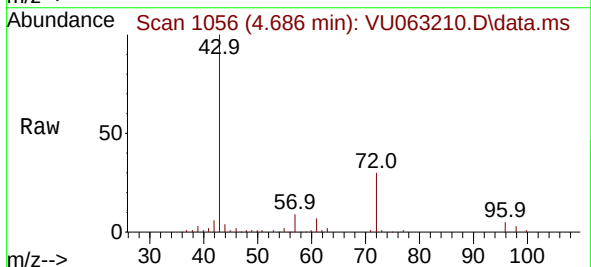
Instrument :  
MSVOA\_U  
ClientSampleId :

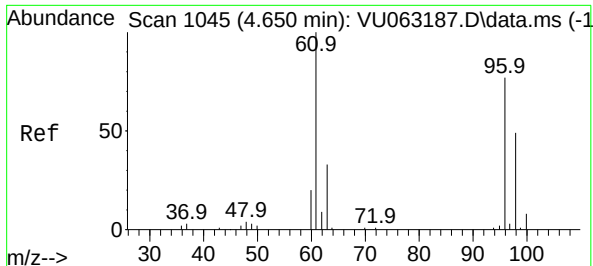
Tgt Ion: 63 Resp: 59807  
Ion Ratio Lower Upper  
63 100  
65 32.3 23.2 43.0  
83 13.8 8.7 16.1



#21  
2-Butanone  
Concen: 51.656 ug/L  
RT: 4.686 min Scan# 1056  
Delta R.T. 0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Tgt Ion: 43 Resp: 77901  
Ion Ratio Lower Upper  
43 100  
72 29.8 13.9 41.7



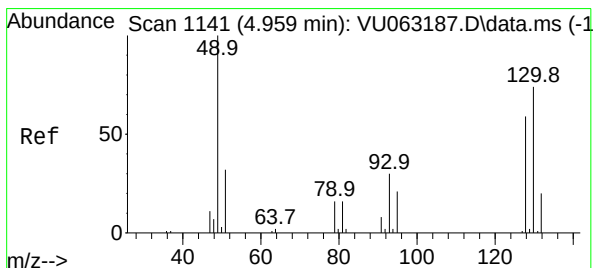
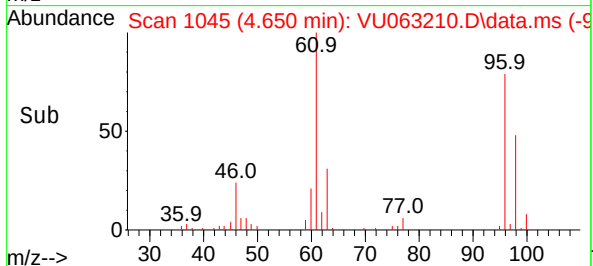
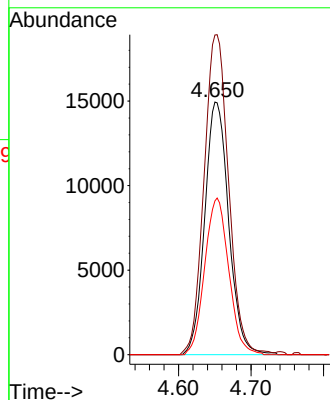
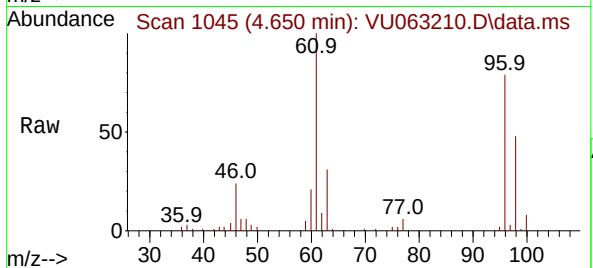


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.787 ug/L  
 RT: 4.650 min Scan# 1045  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 96 Resp: 34371

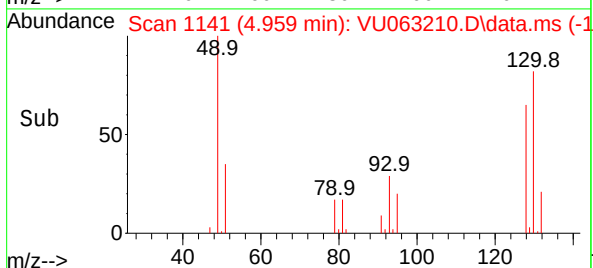
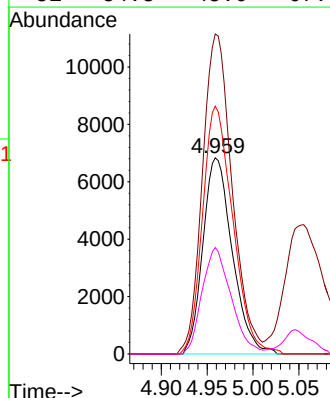
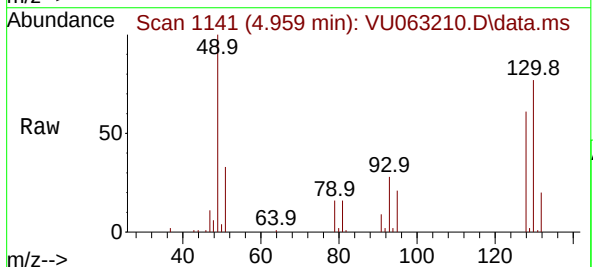
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.6 | 91.8  | 170.6 |
| 98  | 60.9  | 44.4  | 82.4  |

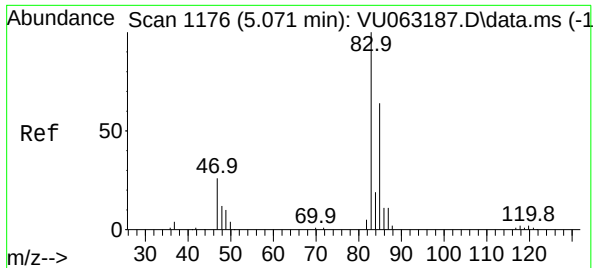


#23  
 Bromochloromethane  
 Concen: 5.717 ug/L  
 RT: 4.959 min Scan# 1141  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

Tgt Ion: 128 Resp: 15232

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 163.2 | 121.2 | 225.2 |
| 130 | 126.4 | 89.2  | 165.6 |
| 51  | 54.3  | 45.0  | 67.4  |





#25

Chloroform

Concen: 5.745 ug/L

RT: 5.075 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

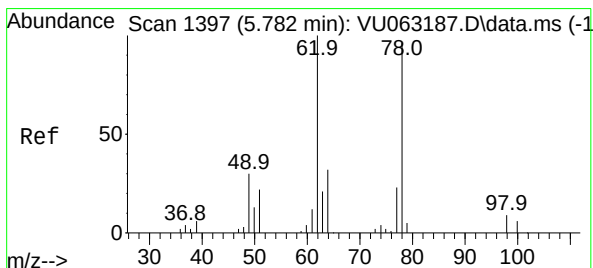
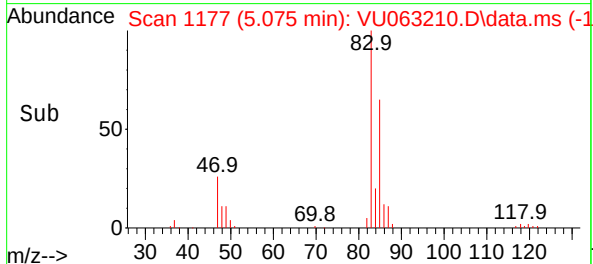
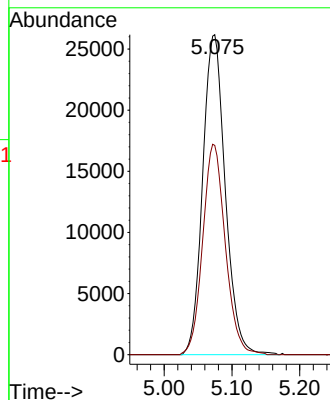
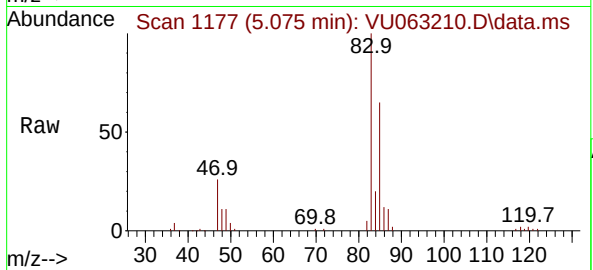
ClientSampleId :

Tgt Ion: 83 Resp: 60516

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.710 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VU063210.D

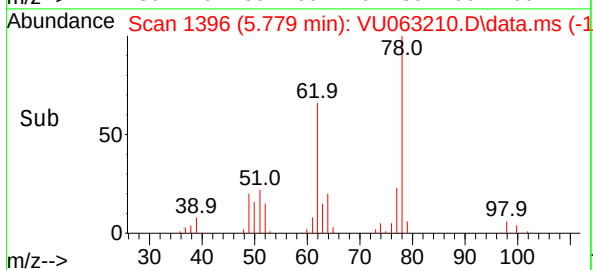
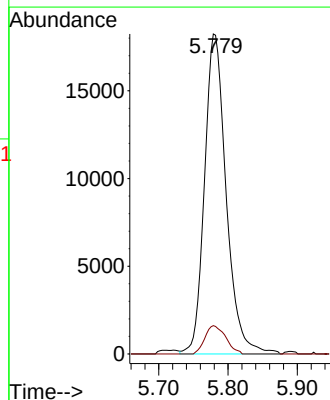
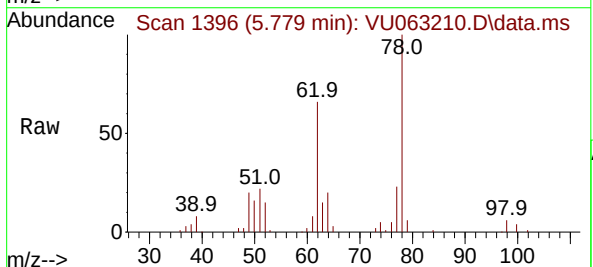
Acq: 06 Feb 2025 21:09

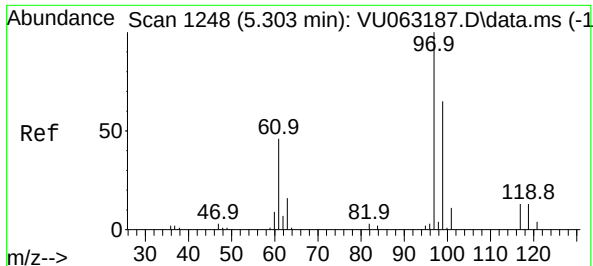
Tgt Ion: 62 Resp: 39631

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8

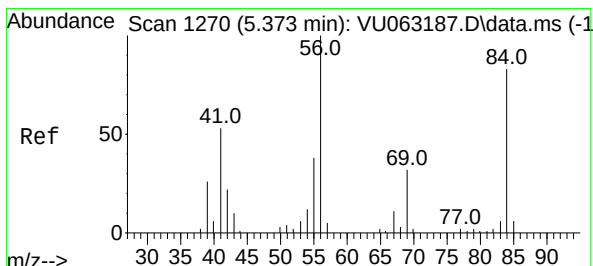
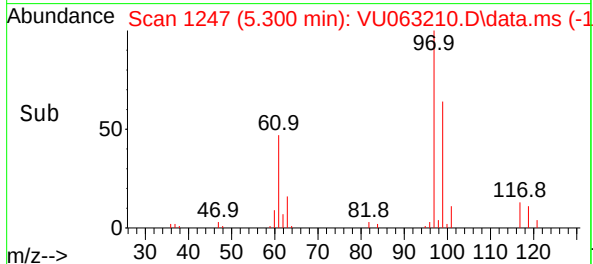
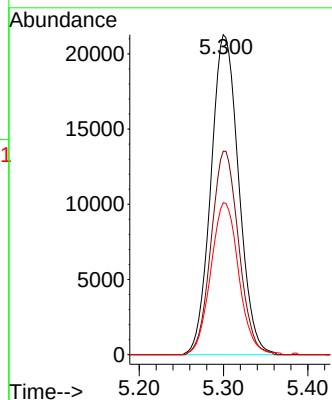
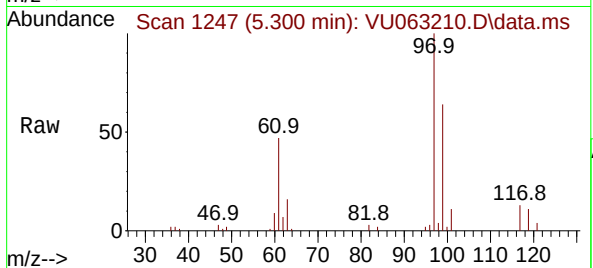




#29  
1,1,1-Trichloroethane  
Concen: 5.566 ug/L  
RT: 5.300 min Scan# 1248  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

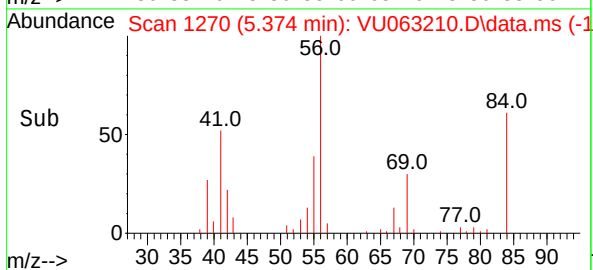
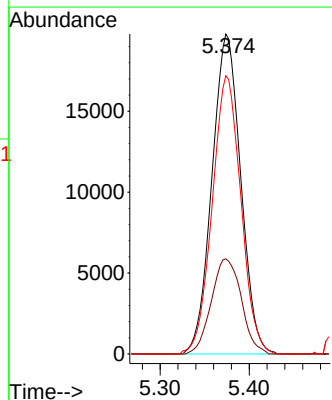
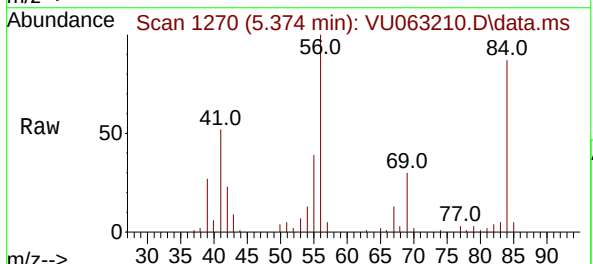
Instrument :  
MSVOA\_U  
ClientSampleId :

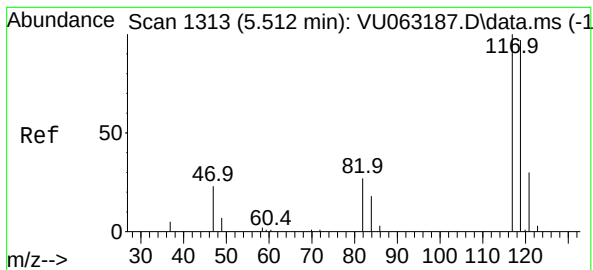
Tgt Ion: 97 Resp: 48665  
Ion Ratio Lower Upper  
97 100  
99 63.0 51.5 77.3  
61 48.0 38.5 57.7



#30  
Cyclohexane  
Concen: 4.786 ug/L  
RT: 5.374 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Tgt Ion: 56 Resp: 44288  
Ion Ratio Lower Upper  
56 100  
69 31.0 24.6 37.0  
84 86.6 67.9 101.9

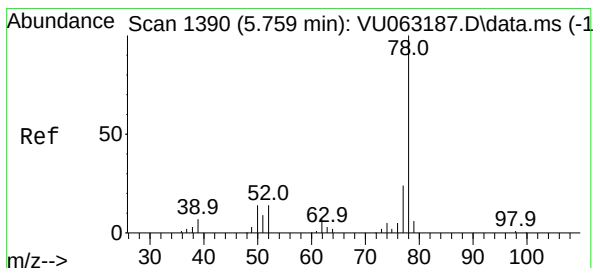
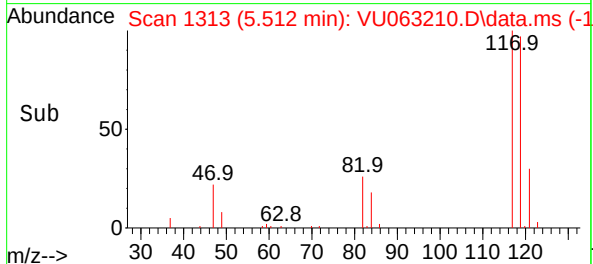
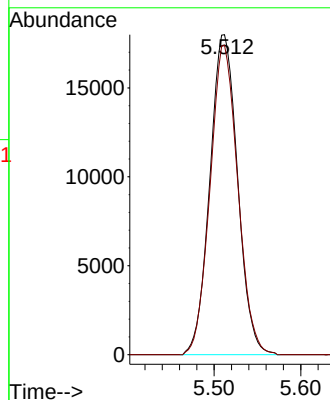
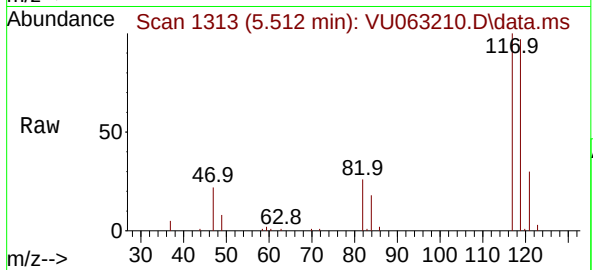




#31  
Carbon tetrachloride  
Concen: 5.425 ug/L  
RT: 5.512 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

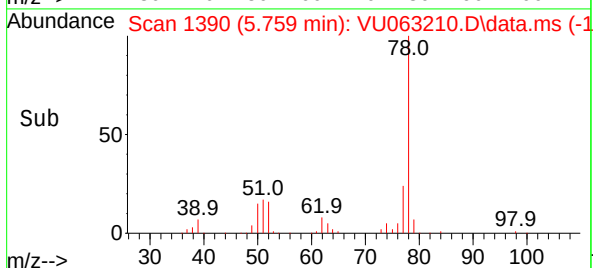
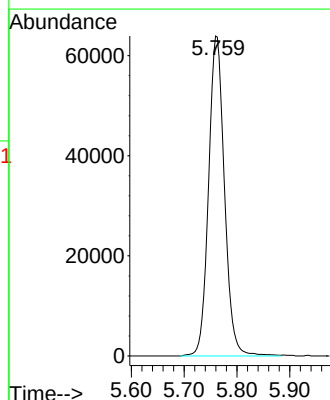
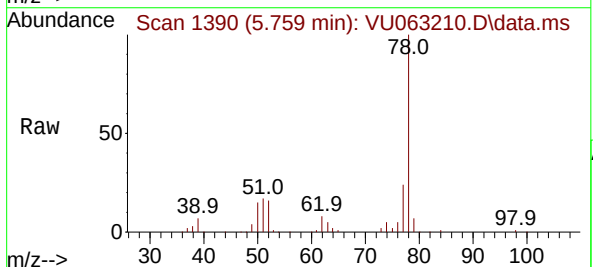
Instrument :  
MSVOA\_U  
ClientSampleId :

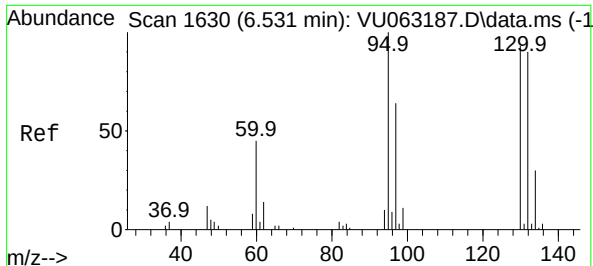
Tgt Ion:117 Resp: 40022  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.0 115.4



#33  
Benzene  
Concen: 5.496 ug/L  
RT: 5.759 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

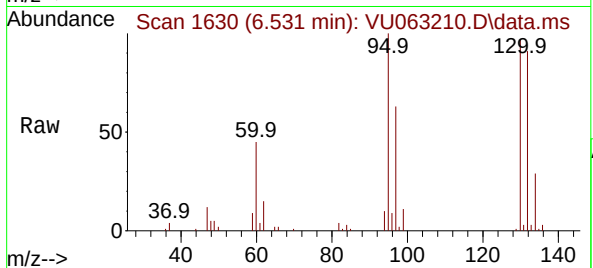
Tgt Ion: 78 Resp: 133593



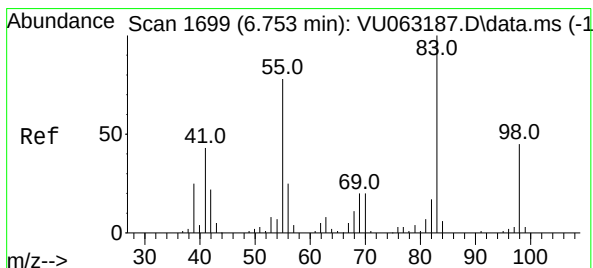
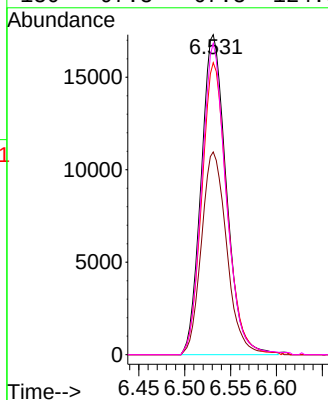
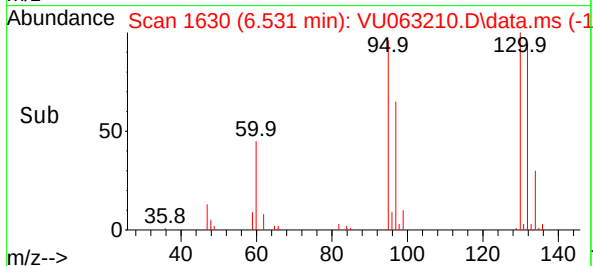


#34  
Trichloroethene  
Concen: 5.351 ug/L  
RT: 6.531 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

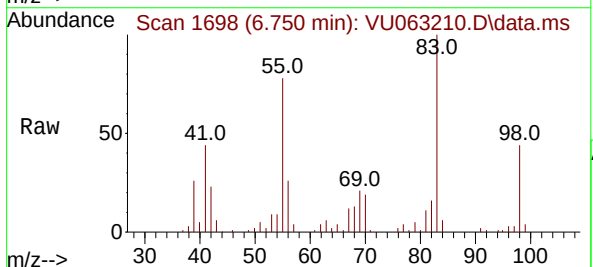
Instrument :  
MSVOA\_U  
ClientSampleId :



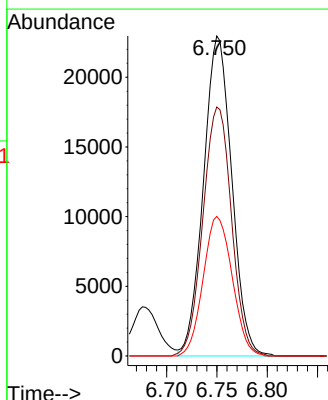
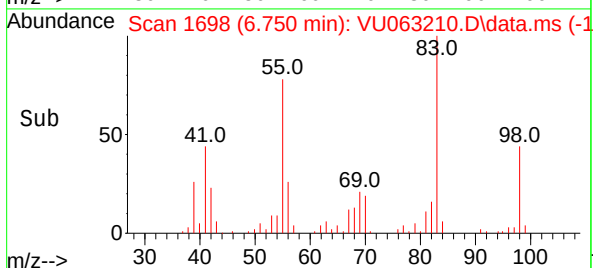
Tgt Ion: 95 Resp: 33037  
Ion Ratio Lower Upper  
95 100  
97 63.4 46.7 86.7  
132 91.2 62.4 115.8  
130 97.3 67.3 124.9



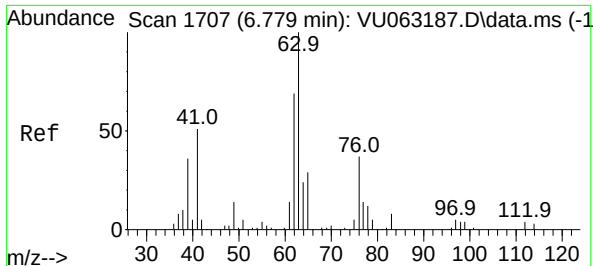
#35  
Methylcyclohexane  
Concen: 4.861 ug/L  
RT: 6.750 min Scan# 1698  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09



Tgt Ion: 83 Resp: 44970  
Ion Ratio Lower Upper  
83 100  
55 78.7 62.8 94.2  
98 44.7 36.0 54.0



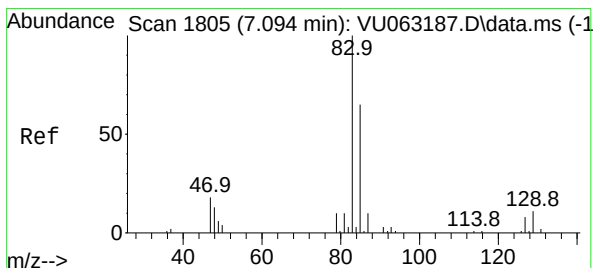
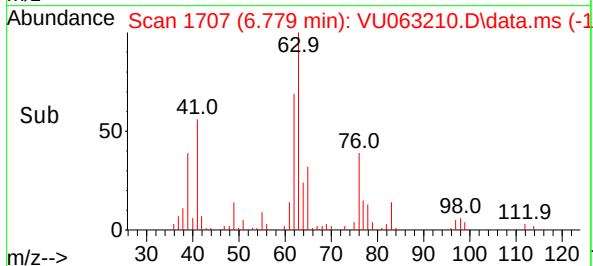
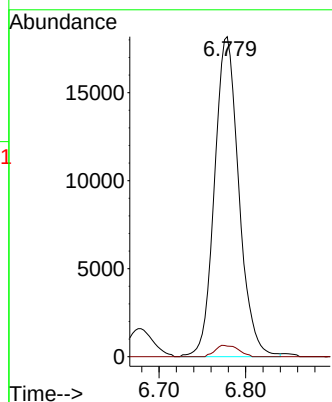
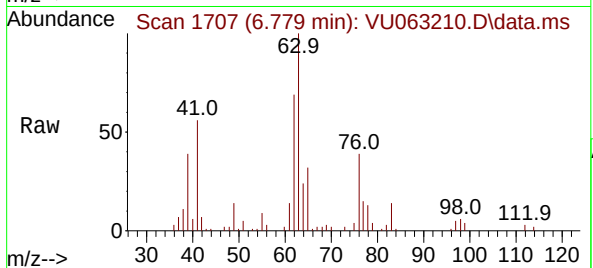




#37  
1,2-Dichloropropane  
Concen: 5.481 ug/L  
RT: 6.779 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

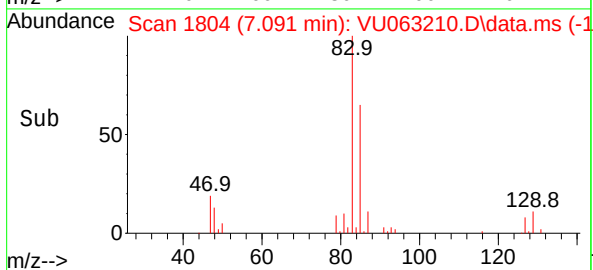
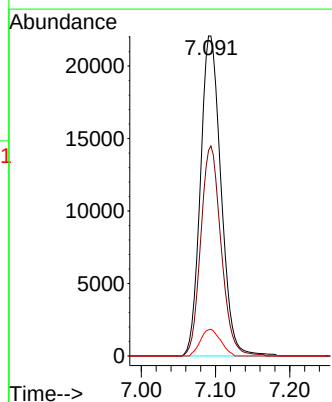
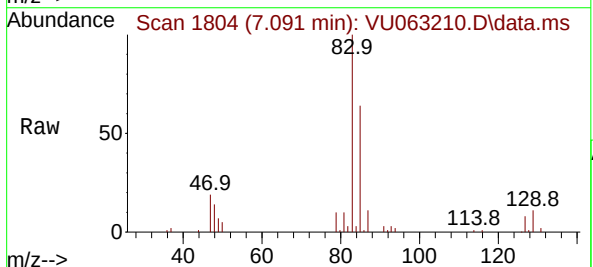
Instrument :  
MSVOA\_U  
ClientSampleId :

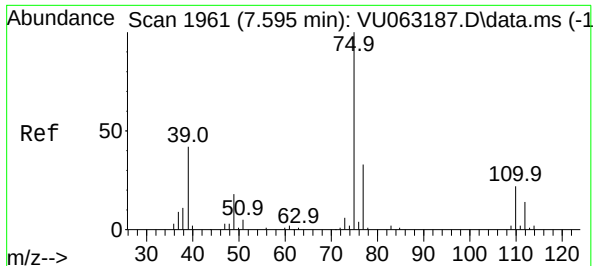
Tgt Ion: 63 Resp: 35532  
Ion Ratio Lower Upper  
63 100  
112 3.4 2.6 4.0



#38  
Bromodichloromethane  
Concen: 5.466 ug/L  
RT: 7.091 min Scan# 1804  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Tgt Ion: 83 Resp: 42549  
Ion Ratio Lower Upper  
83 100  
85 64.2 44.0 81.8  
127 8.2 6.3 9.5

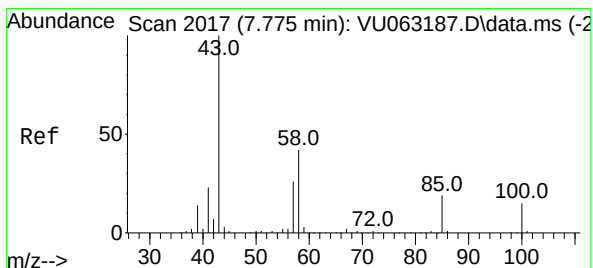
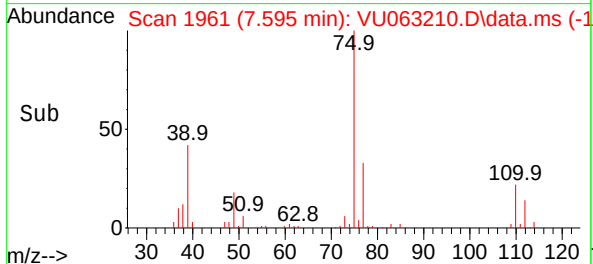
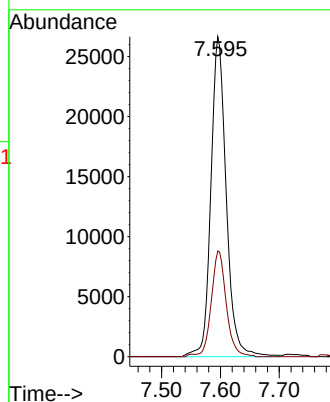
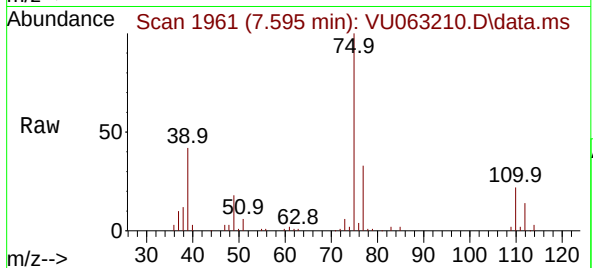




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.230 ug/L  
 RT: 7.595 min Scan# 1961  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

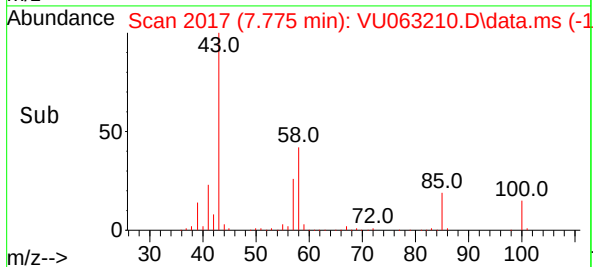
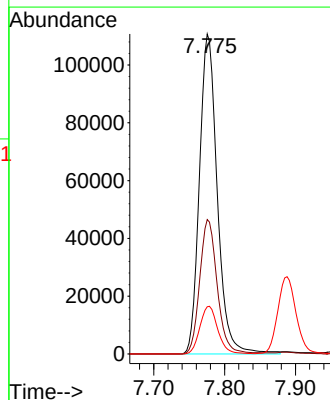
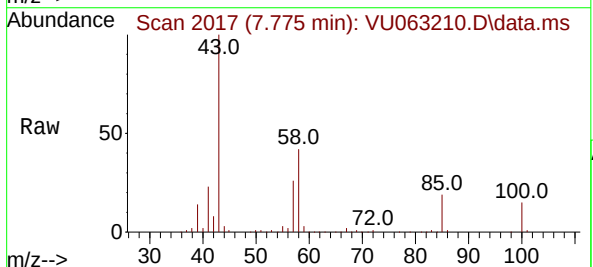
Instrument :  
 MSVOA\_U  
 ClientSampleId :

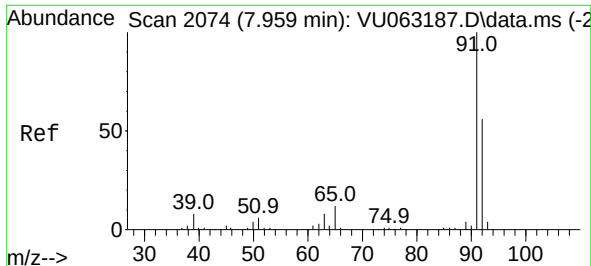
Tgt Ion: 75 Resp: 48356  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 22.6 42.0



#40  
 4-Methyl-2-pentanone  
 Concen: 50.634 ug/L  
 RT: 7.775 min Scan# 2017  
 Delta R.T. 0.000 min  
 Lab File: VU063210.D  
 Acq: 06 Feb 2025 21:09

Tgt Ion: 43 Resp: 193756  
 Ion Ratio Lower Upper  
 43 100  
 58 41.2 33.7 50.5  
 100 14.9 12.1 18.1





#42

Toluene

Concen: 5.545 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

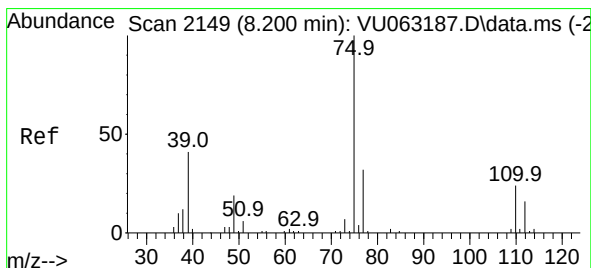
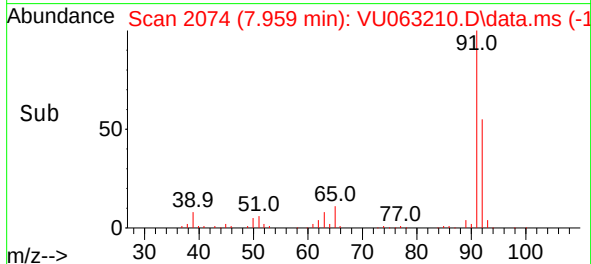
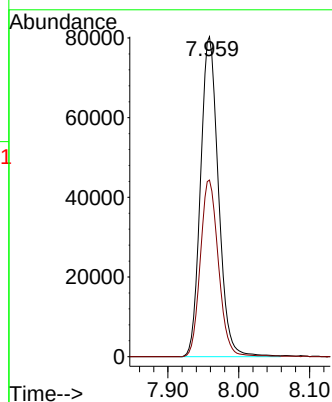
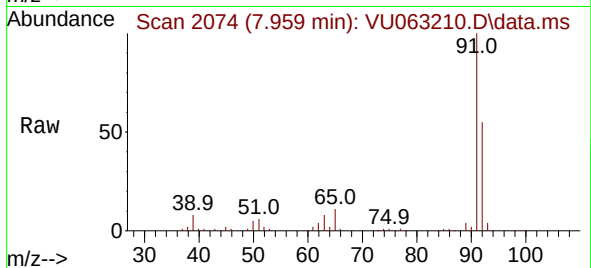
ClientSampleId :

Tgt Ion: 91 Resp: 140873

Ion Ratio Lower Upper

91 100

92 55.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.105 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063210.D

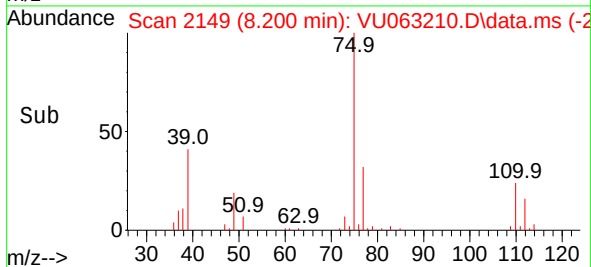
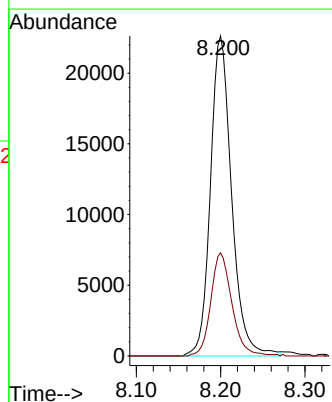
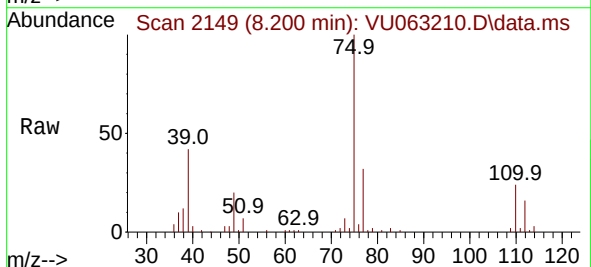
Acq: 06 Feb 2025 21:09

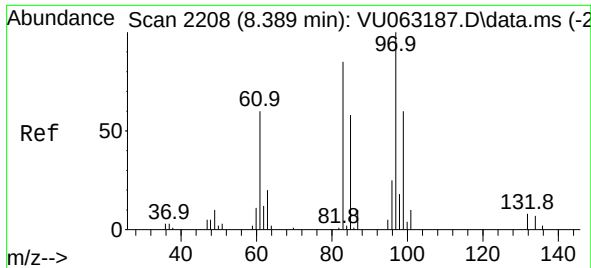
Tgt Ion: 75 Resp: 39511

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.291 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 25334

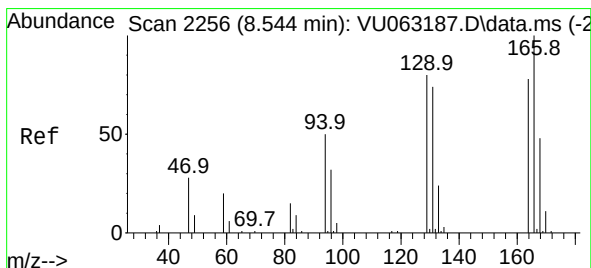
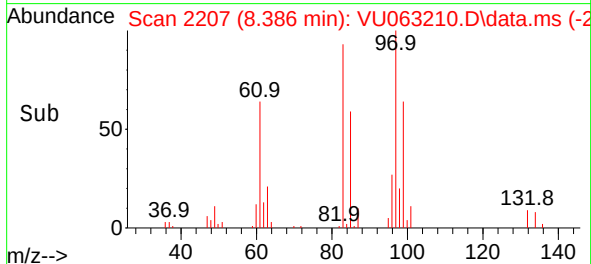
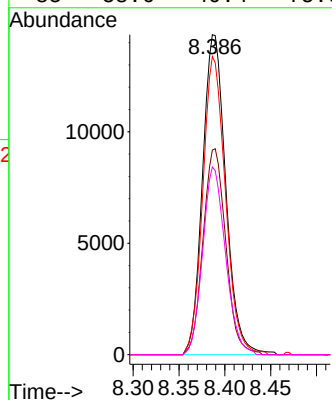
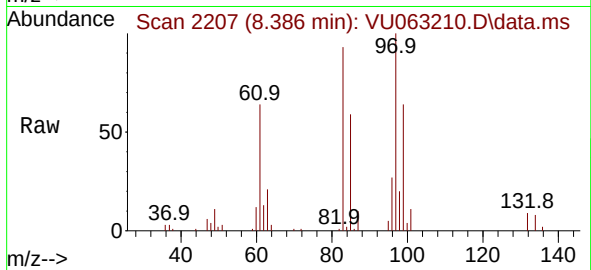
Ion Ratio Lower Upper

97 100

99 64.0 42.2 78.4

83 93.2 62.9 116.9

85 58.6 40.4 75.0



#47

Tetrachloroethene

Concen: 5.429 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Tgt Ion:164 Resp: 23539

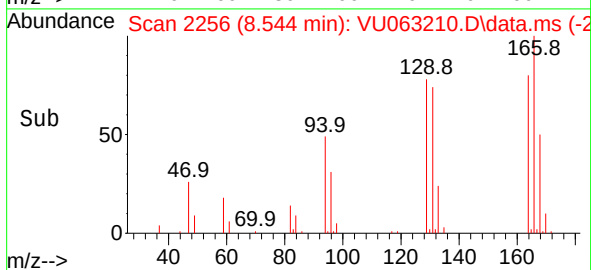
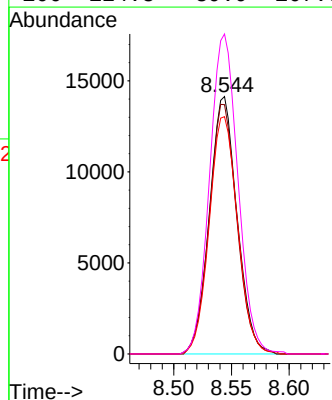
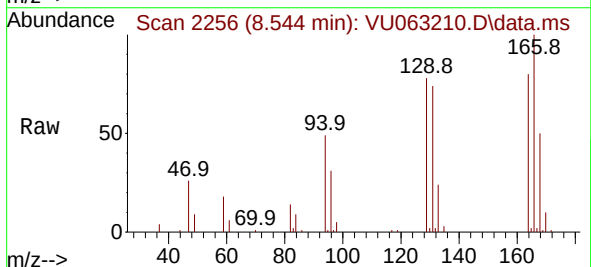
Ion Ratio Lower Upper

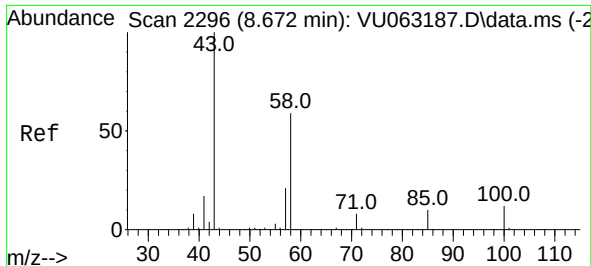
164 100

129 96.8 68.6 127.4

131 92.1 66.5 123.5

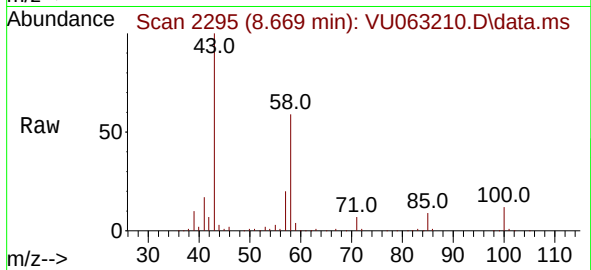
166 124.3 89.9 167.0



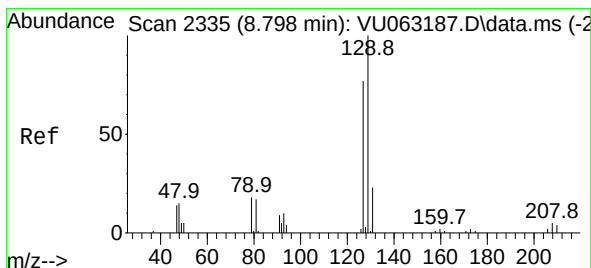
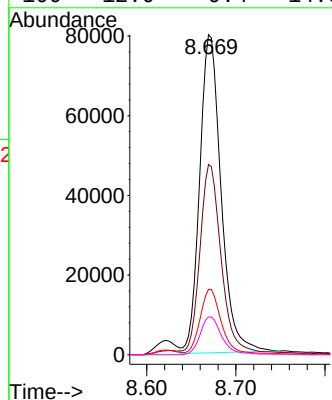
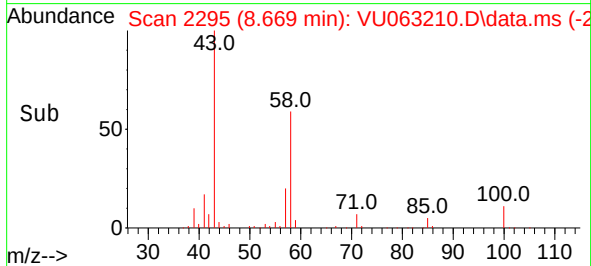


#48  
2-Hexanone  
Concen: 49.471 ug/L  
RT: 8.669 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Instrument :  
MSVOA\_U  
ClientSampleId :

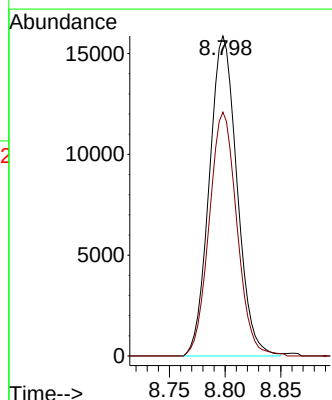
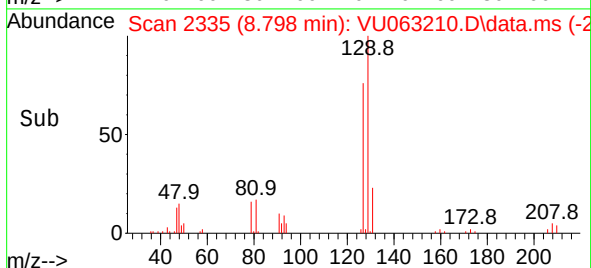
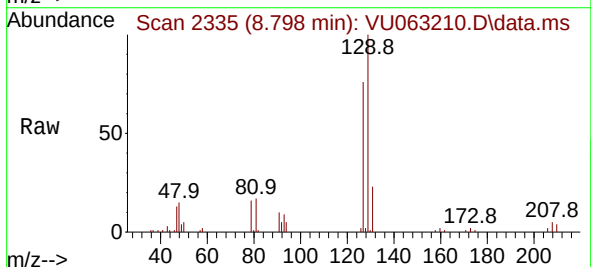


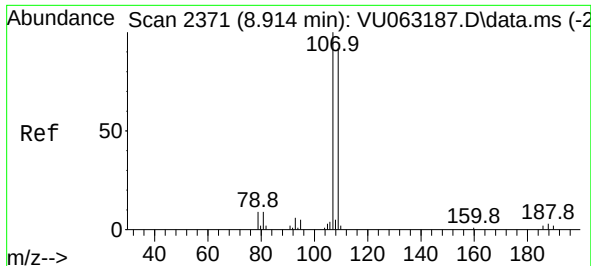
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 43 | Resp: | 133553 |
| Ion | Ratio   | Lower | Upper  |
| 43  | 100     |       |        |
| 58  | 59.7    | 45.8  | 68.8   |
| 57  | 20.0    | 15.7  | 23.5   |
| 100 | 12.0    | 9.4   | 14.0   |



#49  
Dibromochloromethane  
Concen: 5.446 ug/L  
RT: 8.798 min Scan# 2335  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 27448 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 76.2    | 53.8        | 99.8  |  |





#50

1,2-Dibromoethane

Concen: 5.363 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063210.D

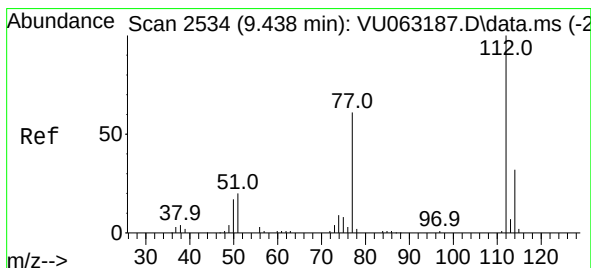
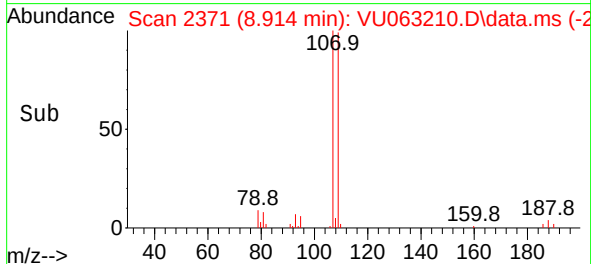
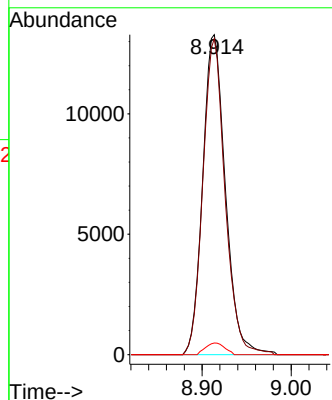
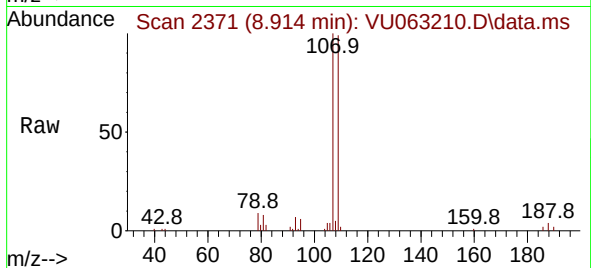
Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 23552      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 98.7  | 67.6 125.6 |
| 188         | 3.6   | 2.6 3.8    |



#51

Chlorobenzene

Concen: 5.417 ug/L

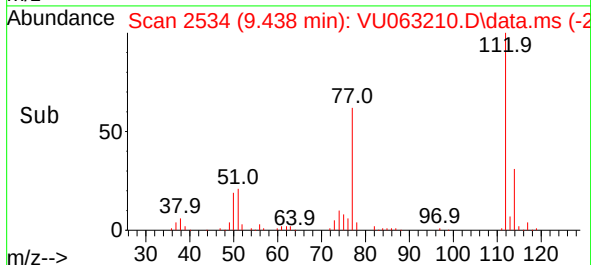
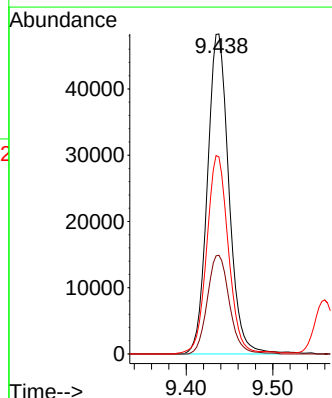
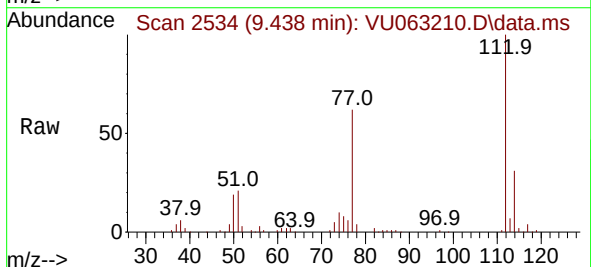
RT: 9.438 min Scan# 2534

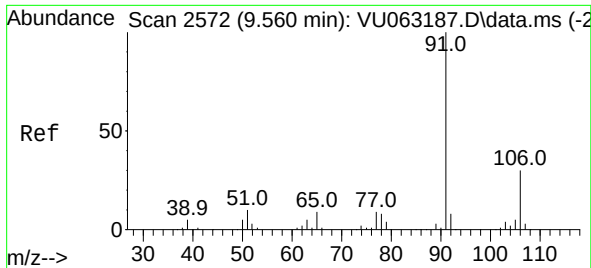
Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 83084     |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 30.9  | 22.6 42.0 |
| 77          | 61.6  | 50.8 76.2 |

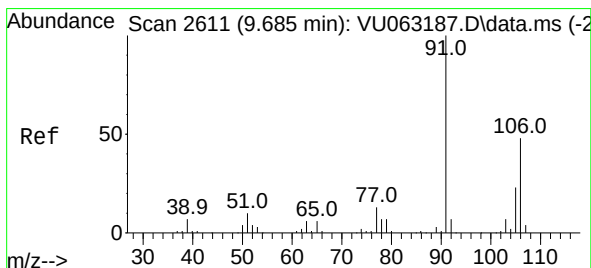
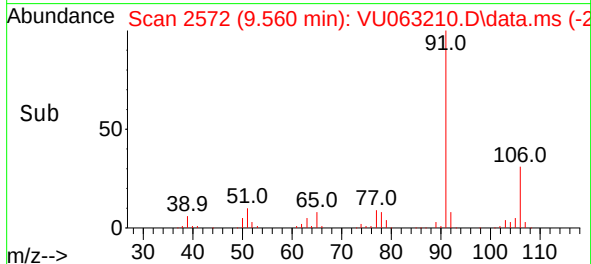
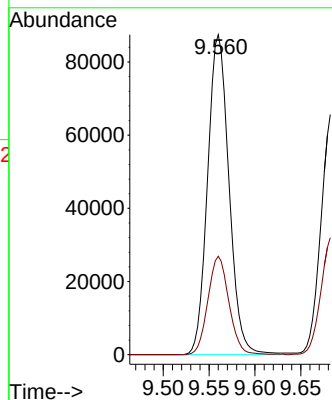
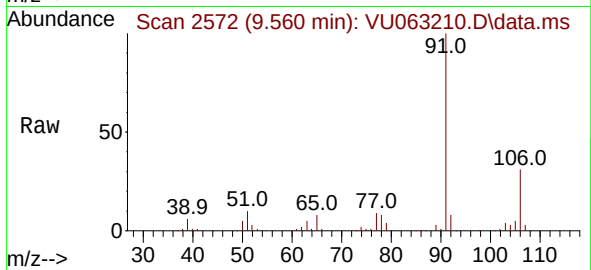




#52  
Ethylbenzene  
Concen: 5.342 ug/L  
RT: 9.560 min Scan# 2572  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

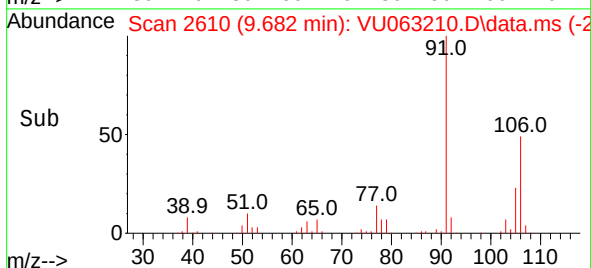
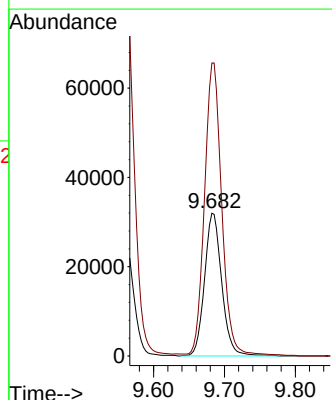
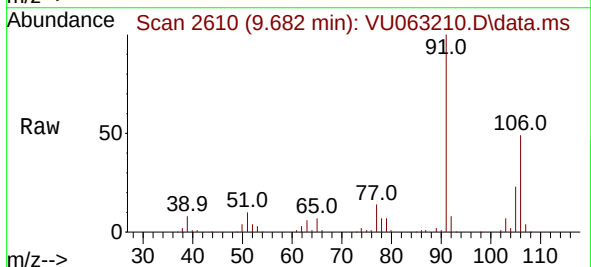
Instrument :  
MSVOA\_U  
ClientSampleId :

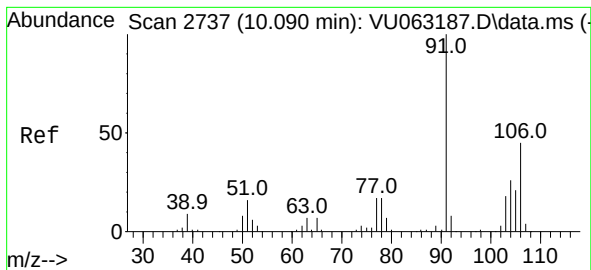
Tgt Ion: 91 Resp: 141957  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.3 39.6



#53  
m,p-Xylene  
Concen: 5.622 ug/L  
RT: 9.682 min Scan# 2610  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

Tgt Ion:106 Resp: 53891  
Ion Ratio Lower Upper  
106 100  
91 205.4 147.3 273.6





#54

o-Xylene

Concen: 5.463 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

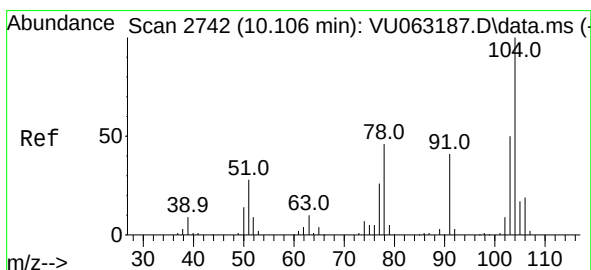
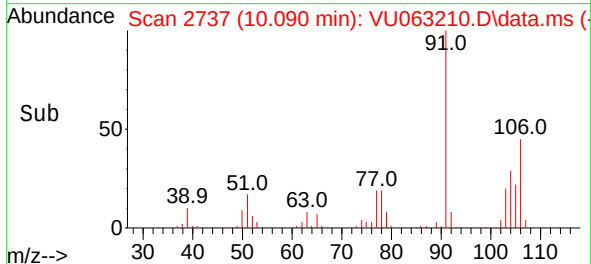
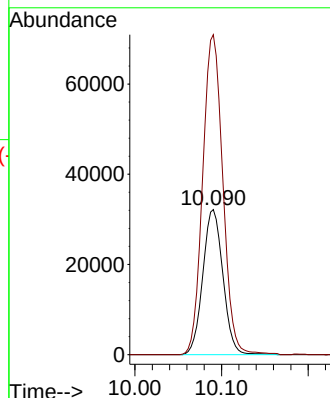
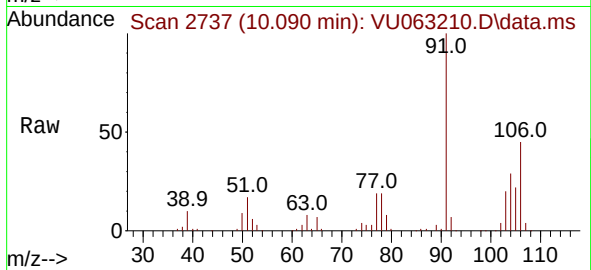
ClientSampleId :

Tgt Ion:106 Resp: 51929

Ion Ratio Lower Upper

106 100

91 220.5 155.4 288.6



#55

Styrene

Concen: 5.626 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063210.D

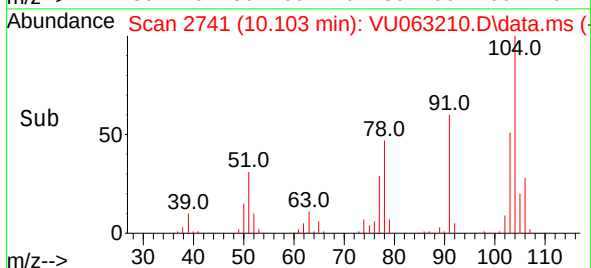
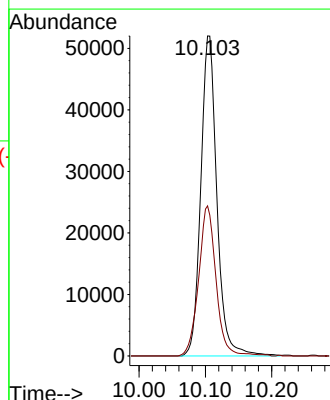
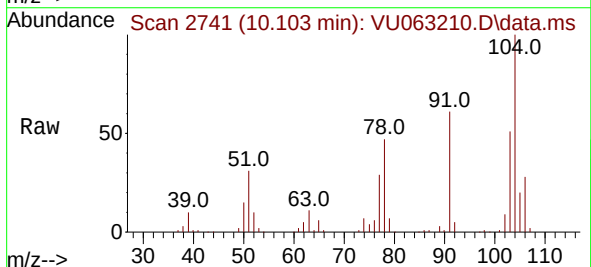
Acq: 06 Feb 2025 21:09

Tgt Ion:104 Resp: 88025

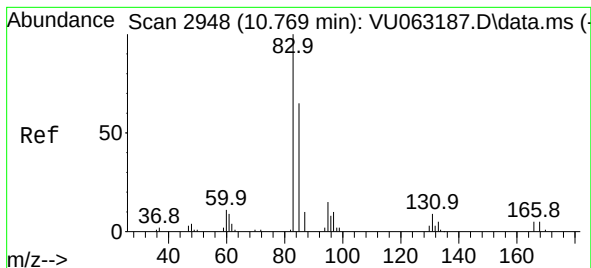
Ion Ratio Lower Upper

104 100

78 46.9 31.6 58.6







#57

1,1,2,2-Tetrachloroethane

Concen: 5.265 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

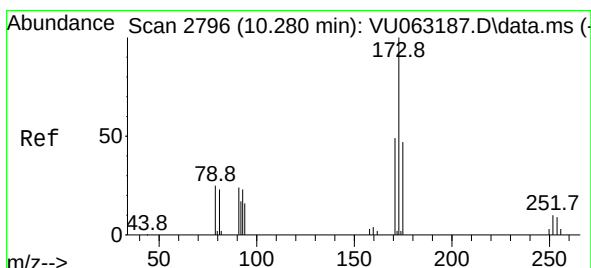
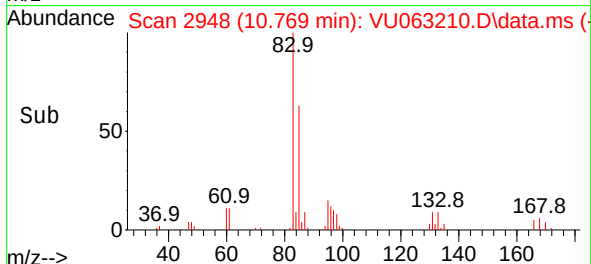
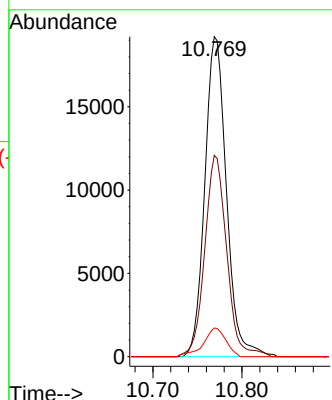
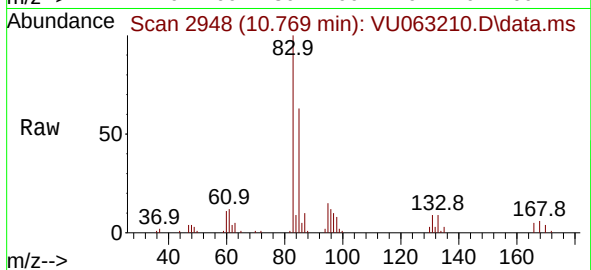
Tgt Ion: 83 Resp: 32360

Ion Ratio Lower Upper

83 100

85 62.9 45.6 84.8

131 8.9 7.4 11.0



#59

Bromoform

Concen: 5.388 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

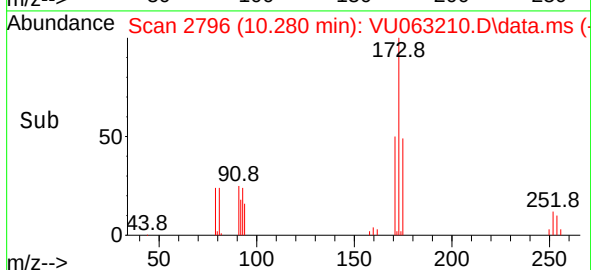
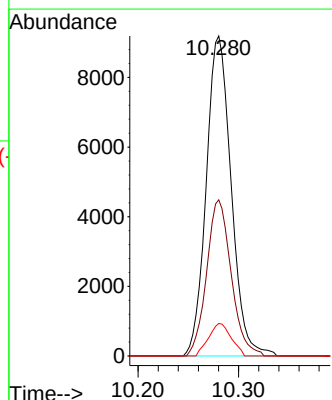
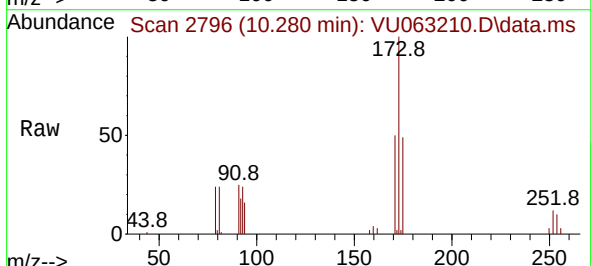
Tgt Ion:173 Resp: 15830

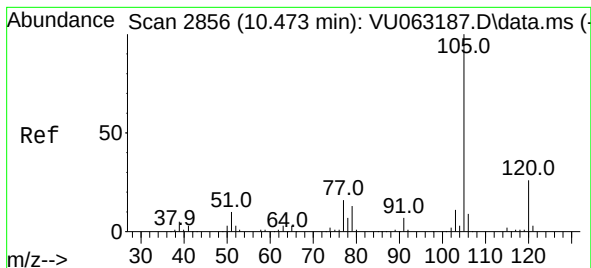
Ion Ratio Lower Upper

173 100

175 48.0 37.7 56.5

254 9.2 7.9 11.9





#60

Isopropylbenzene

Concen: 5.538 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063210.D

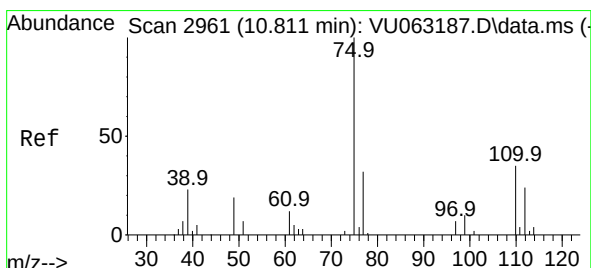
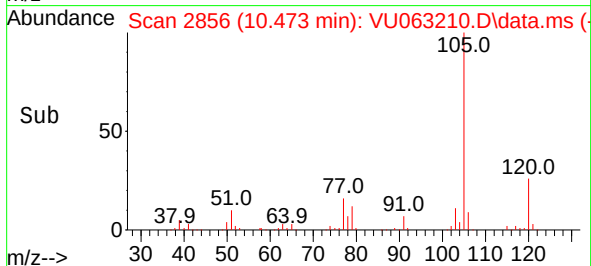
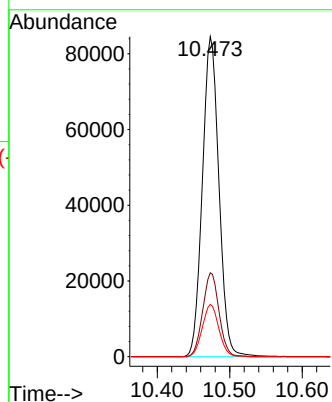
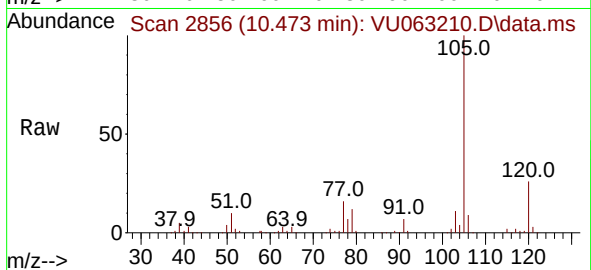
Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 134010 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.7  | 20.8  | 31.2   |
| 77        | 16.3  | 13.3  | 19.9   |



#61

1,2,3-Trichloropropane

Concen: 5.249 ug/L

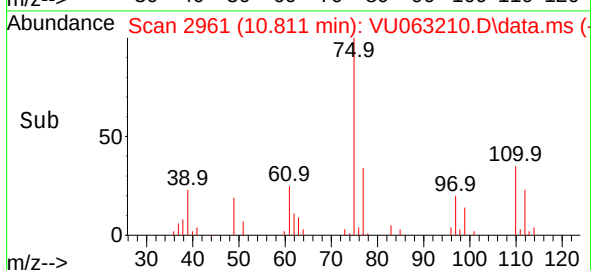
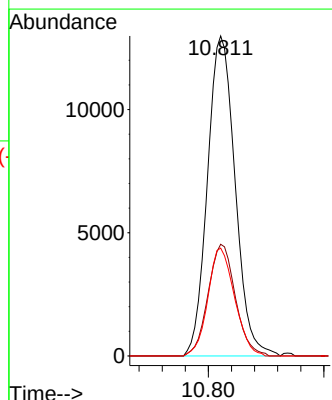
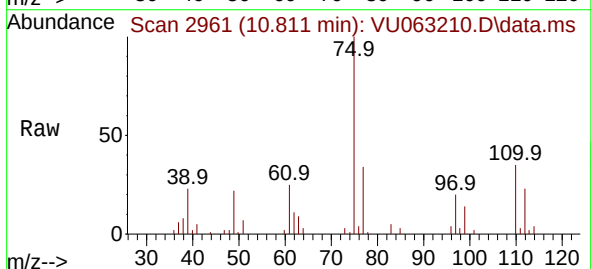
RT: 10.811 min Scan# 2961

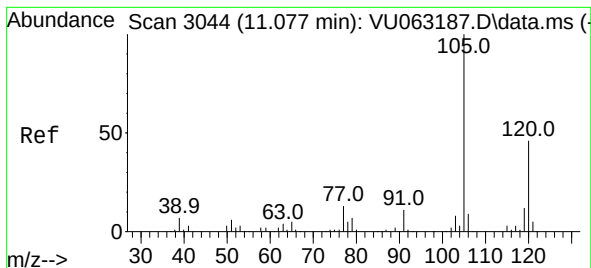
Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21588 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.4  | 27.4  | 41.0  |
| 77        | 32.5  | 26.3  | 39.5  |





#62

1,3,5-Trimethylbenzene

Concen: 5.512 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

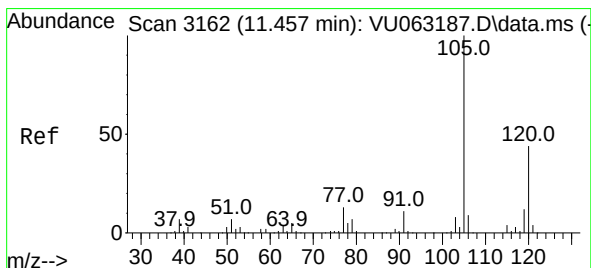
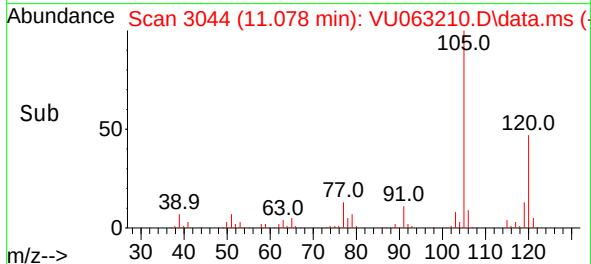
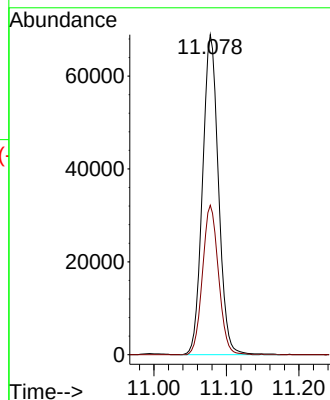
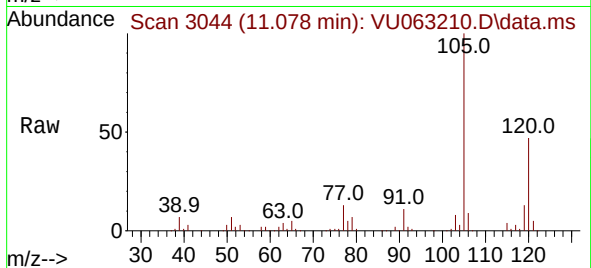
ClientSampleId :

Tgt Ion:105 Resp: 105217

Ion Ratio Lower Upper

105 100

120 46.8 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.606 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VU063210.D

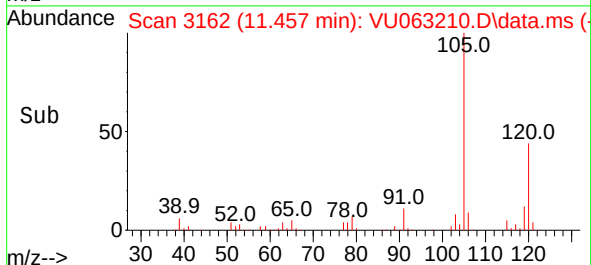
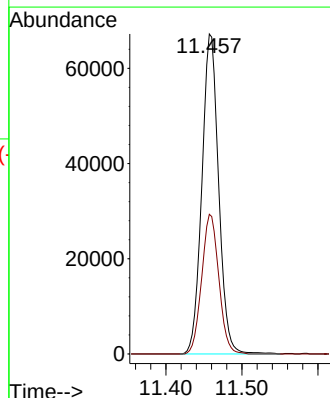
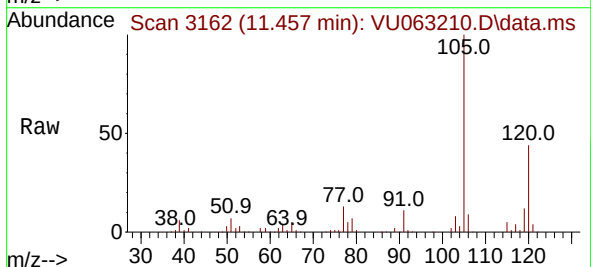
Acq: 06 Feb 2025 21:09

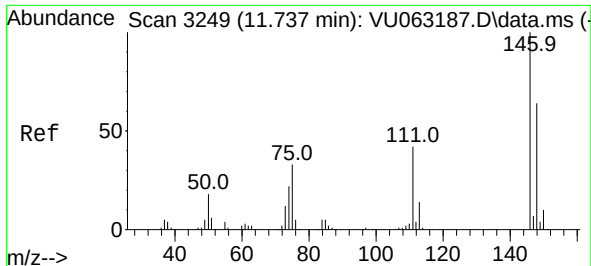
Tgt Ion:105 Resp: 102899

Ion Ratio Lower Upper

105 100

120 44.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.610 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

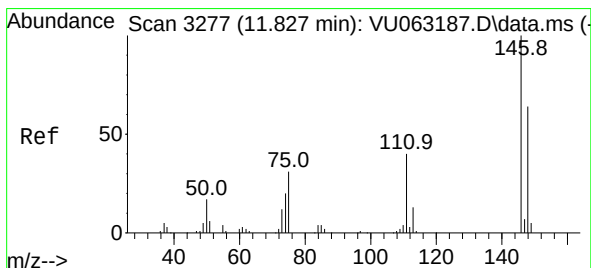
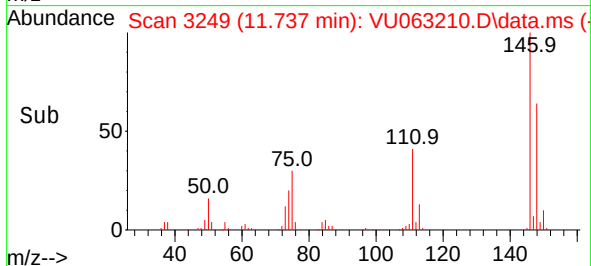
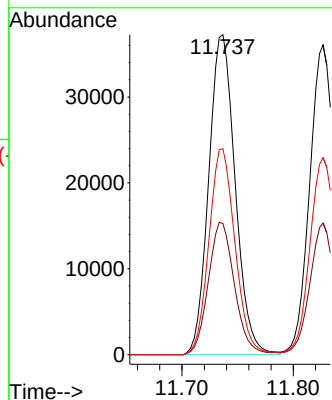
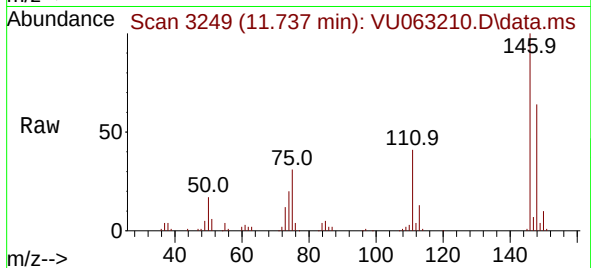
Tgt Ion:146 Resp: 61510

Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.7

148 64.4 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 5.431 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

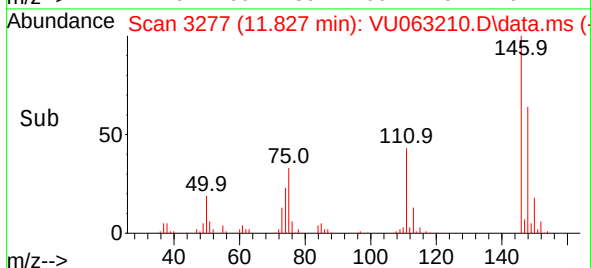
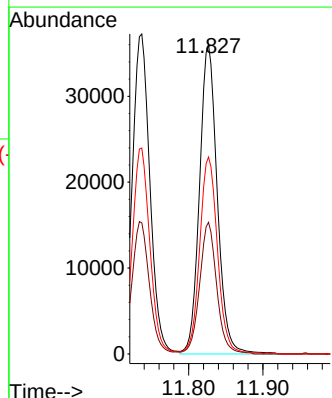
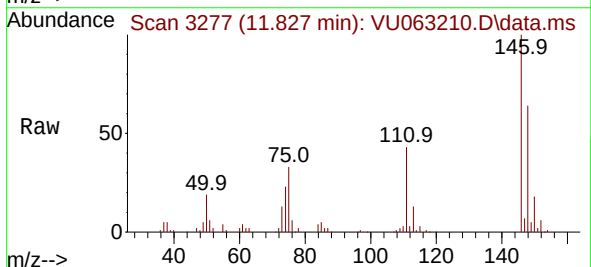
Tgt Ion:146 Resp: 59865

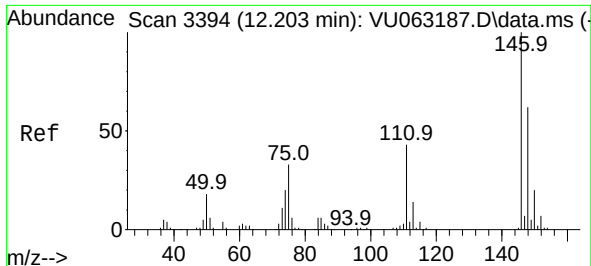
Ion Ratio Lower Upper

146 100

111 42.5 28.5 52.9

148 63.6 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.707 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :

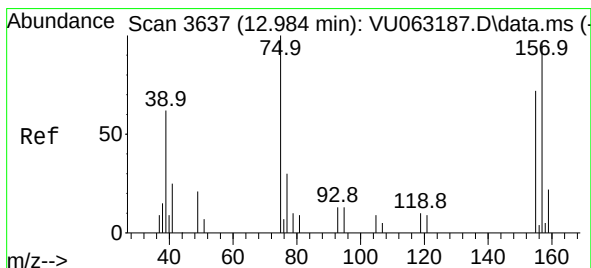
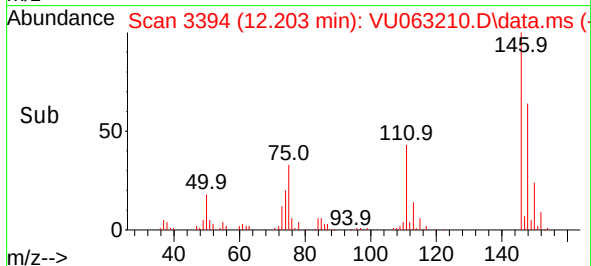
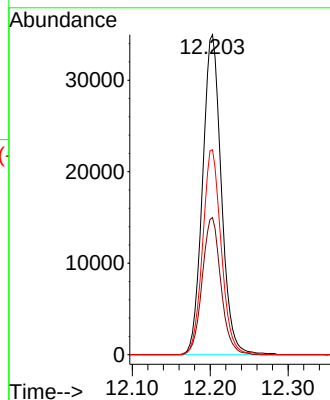
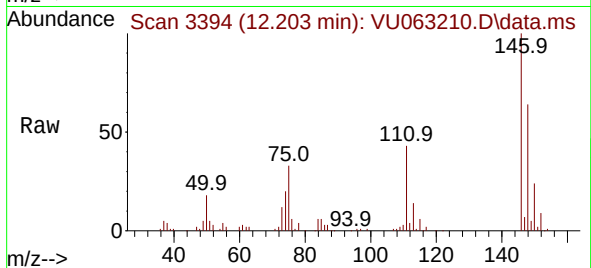
Tgt Ion:146 Resp: 58469

Ion Ratio Lower Upper

146 100

111 42.8 34.1 51.1

148 64.1 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.485 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.003 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

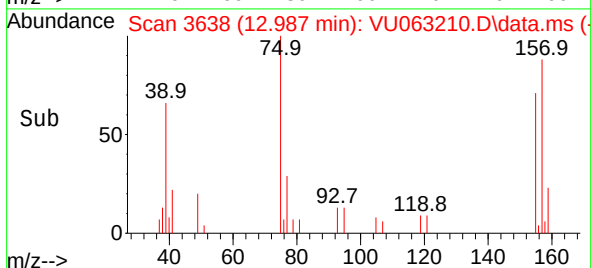
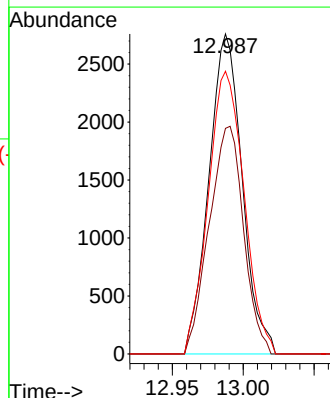
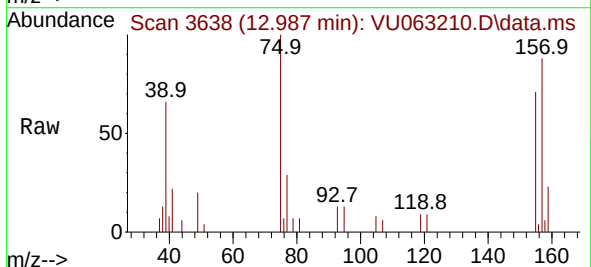
Tgt Ion: 75 Resp: 4513

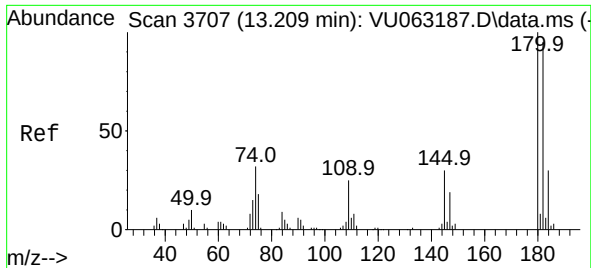
Ion Ratio Lower Upper

75 100

155 70.5 61.6 92.4

157 88.4 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 5.541 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

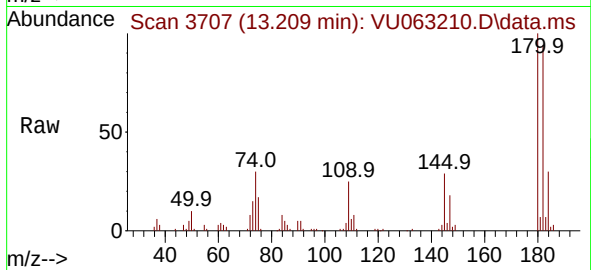
Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 41512

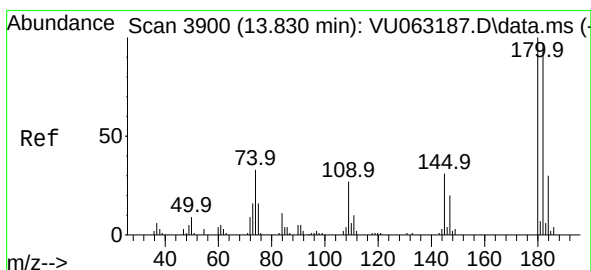
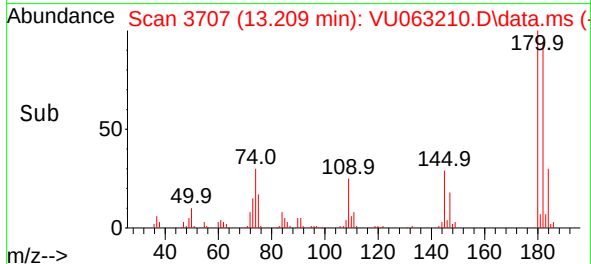
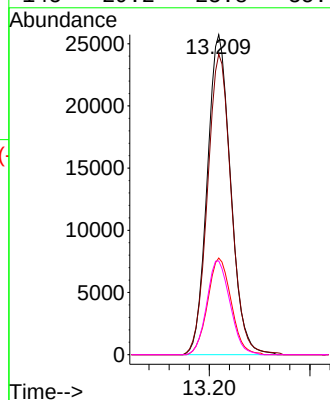
Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

184 30.4 23.8 35.8

145 29.2 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.308 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. 0.000 min

Lab File: VU063210.D

Acq: 06 Feb 2025 21:09

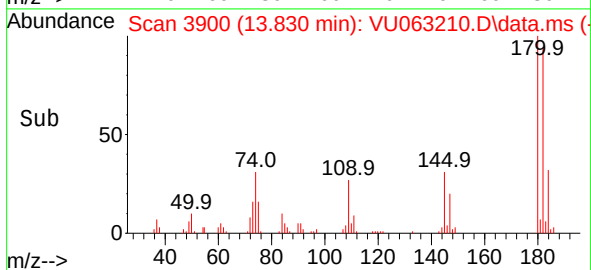
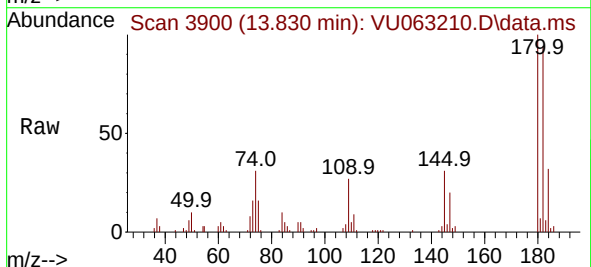
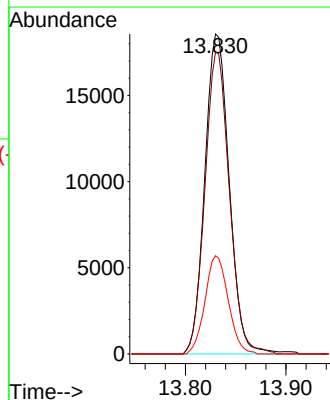
Tgt Ion:180 Resp: 31286

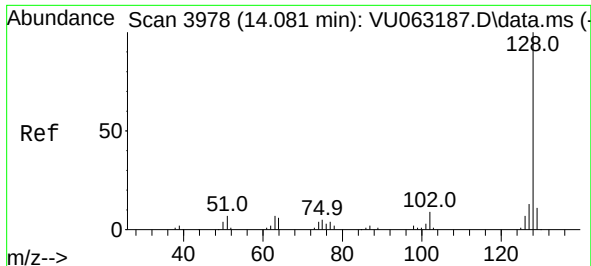
Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

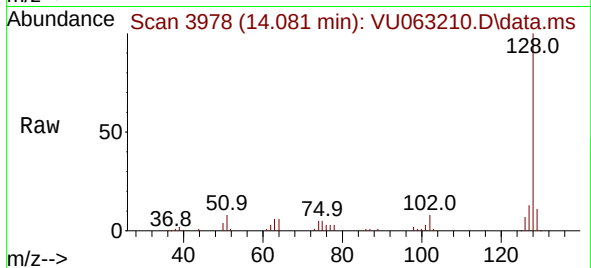
145 29.2 24.3 36.5



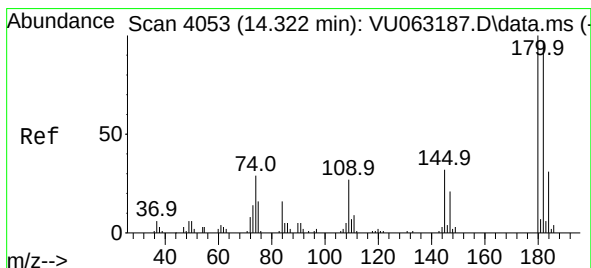
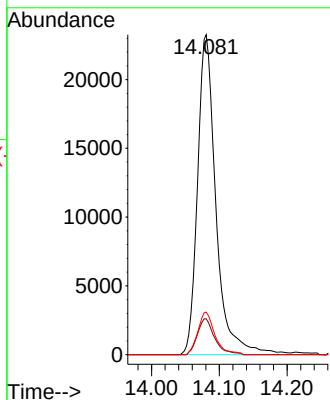
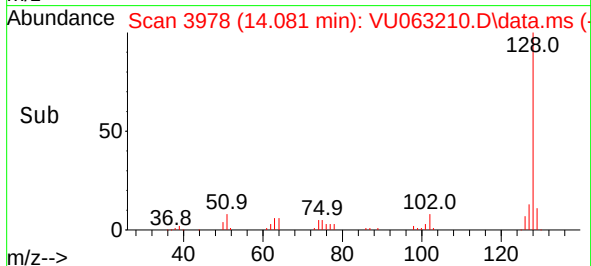


#71  
Naphthalene  
Concen: 4.527 ug/L  
RT: 14.081 min Scan# 3978  
Delta R.T. 0.000 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09

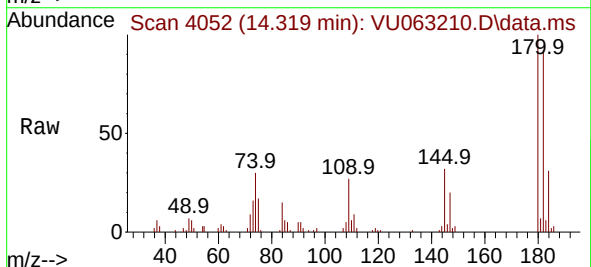
Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 43794  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.0 12.0  
127 12.3 10.6 15.8



#72  
1,2,3-Trichlorobenzene  
Concen: 5.429 ug/L  
RT: 14.319 min Scan# 4052  
Delta R.T. -0.003 min  
Lab File: VU063210.D  
Acq: 06 Feb 2025 21:09



Tgt Ion:180 Resp: 28590  
Ion Ratio Lower Upper  
180 100  
182 89.8 78.5 117.7  
145 30.9 26.1 39.1

