

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112124\  
 Data File : VU061913.D  
 Acq On : 21 Nov 2024 12:49  
 Operator : MD/SY  
 Sample : P4776-01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 21 23:07:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 23:06:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 184458   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 160231   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 69612    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 36985    | 4.088    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 34225    | 4.276    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 16423    | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.800%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 128457   | 45.211   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.420%  |
| 24) Chloroform-d              | 5.052  | 84    | 94907    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 51963    | 4.574    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 163063   | 5.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 69380    | 6.540    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 130.800% |
| 41) Toluene-d8                | 7.891  | 98    | 131718   | 5.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.200% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 19559    | 4.981    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 81709    | 45.585   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.160%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 56287    | 5.310    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 52560    | 5.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 2669     | 0.165    | ug/L   | 95       |
| 3) Chloromethane              | 1.518  | 50    | 3387     | 0.204    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 3130     | 0.183    | ug/L # | 56       |
| 6) Bromomethane               | 1.850  | 94    | 2030     | 0.200    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 4239     | 0.196    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 2730     | 0.205    | ug/L   | 87       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 2498     | 0.202    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.788  | 76    | 6671     | 0.170    | ug/L   | 99       |
| 16) Methylene chloride        | 3.039  | 84    | 2727     | 0.184    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 5598     | 0.177    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.358  | 96    | 2412     | 0.184    | ug/L   | 76       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 4378     | 0.172    | ug/L # | 83       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 2559     | 0.174    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.968  | 128   | 1093     | 0.171    | ug/L   | 93       |
| 25) Chloroform                | 5.078  | 83    | 5751     | 0.216    | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.795  | 62    | 3023     | 0.176    | ug/L # | 87       |
| 30) Cyclohexane               | 5.383  | 56    | 3445     | 0.178    | ug/L # | 65       |
| 31) Carbon tetrachloride      | 5.518  | 117   | 3000     | 0.191    | ug/L   | 98       |
| 33) Benzene                   | 5.772  | 78    | 10326    | 0.213    | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112124\  
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 Acq On : 21 Nov 2024 12:49  
 Operator : MD/SY  
 Sample : P4776-01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

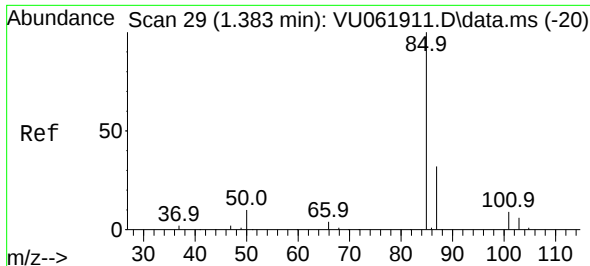
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 21 23:07:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 23:06:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 35) Methylcyclohexane         | 6.753  | 83   | 4359     | 0.221 | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 3054     | 0.243 | ug/L # | 87       |
| 38) Bromodichloromethane      | 7.103  | 83   | 3429     | 0.225 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 3348     | 0.190 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 12621    | 1.861 | ug/L # | 88       |
| 42) Toluene                   | 7.965  | 91   | 9931     | 0.196 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.213  | 75   | 2635     | 0.188 | ug/L   | 87       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 1681     | 0.182 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.801  | 129  | 1530     | 0.156 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 1539     | 0.167 | ug/L # | 99       |
| 51) Chlorobenzene             | 9.444  | 112  | 6515     | 0.187 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 9841     | 0.162 | ug/L   | 95       |
| 53) m,p-Xylene                | 9.692  | 106  | 3878     | 0.181 | ug/L   | 97       |
| 54) o-Xylene                  | 10.100 | 106  | 3509     | 0.162 | ug/L   | 100      |
| 55) Styrene                   | 10.119 | 104  | 4835     | 0.136 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 2794     | 0.235 | ug/L # | 93       |
| 59) Bromoform                 | 10.287 | 173  | 976      | 0.189 | ug/L # | 84       |
| 60) Isopropylbenzene          | 10.479 | 105  | 9653     | 0.178 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 1876     | 0.233 | ug/L # | 90       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 8655     | 0.200 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 6542     | 0.152 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 4215     | 0.175 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 4514     | 0.194 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 4349     | 0.208 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 13.003 | 75   | 152      | 0.111 | ug/L # | 46       |
| 69) 1,3,5-Trichlorobenzene    | 13.222 | 180  | 2724     | 0.190 | ug/L   | 96       |
| 71) Naphthalene               | 14.116 | 128  | 3529     | 0.199 | ug/L # | 82       |
| 72) 1,2,3-Trichlorobenzene    | 14.335 | 180  | 2162     | 0.228 | ug/L # | 88       |
| -----                         |        |      |          |       |        |          |

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

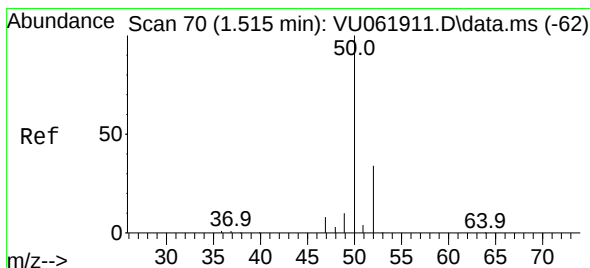
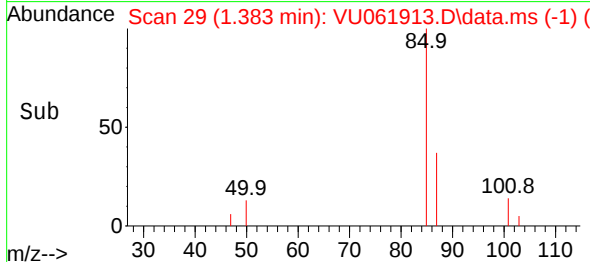
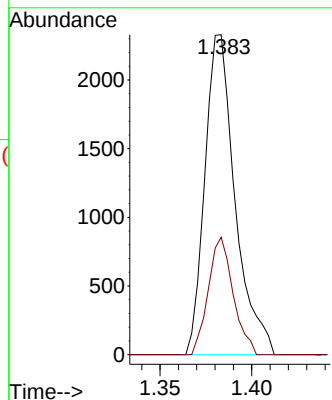
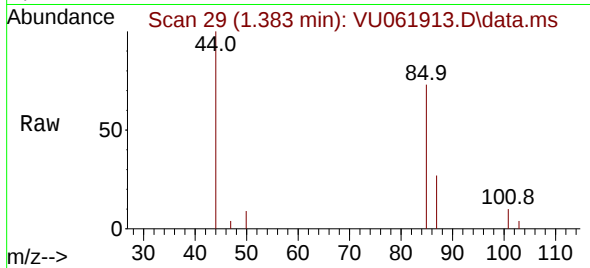




#2  
Dichlorodifluoromethane  
Concen: 0.165 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

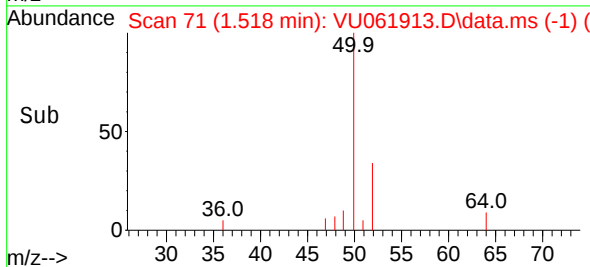
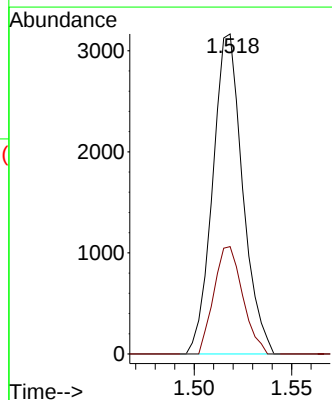
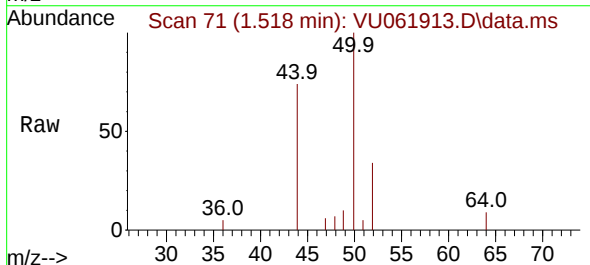
Instrument :  
MSVOA\_U  
ClientSampleId :

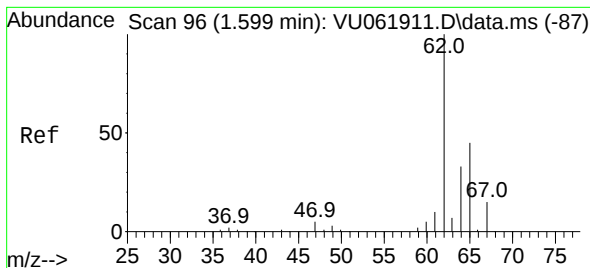
Tgt Ion: 85 Resp: 2669  
Ion Ratio Lower Upper  
85 100  
87 30.2 26.6 40.0



#3  
Chloromethane  
Concen: 0.204 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion: 50 Resp: 3387  
Ion Ratio Lower Upper  
50 100  
52 33.6 23.1 42.9





#5

Vinyl chloride

Concen: 0.183 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

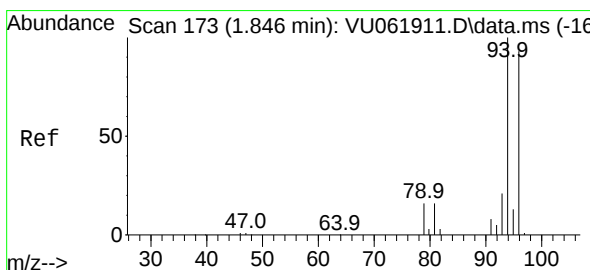
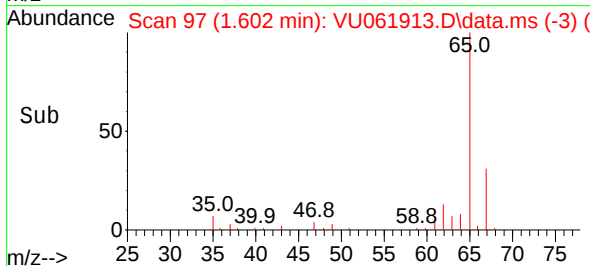
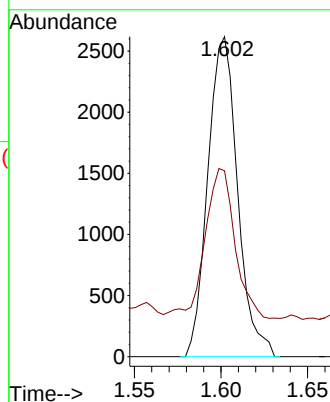
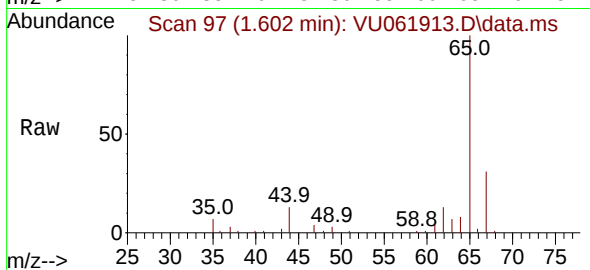
ClientSampleId :

Tgt Ion: 62 Resp: 3130

Ion Ratio Lower Upper

62 100

64 58.1 23.1 42.9#



#6

Bromomethane

Concen: 0.200 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.003 min

Lab File: VU061913.D

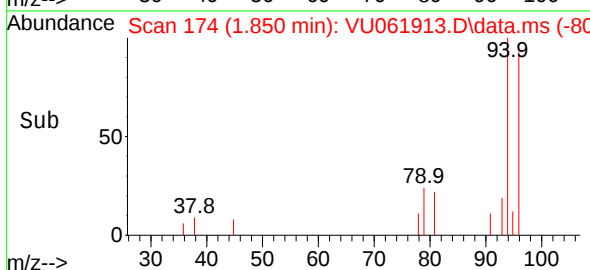
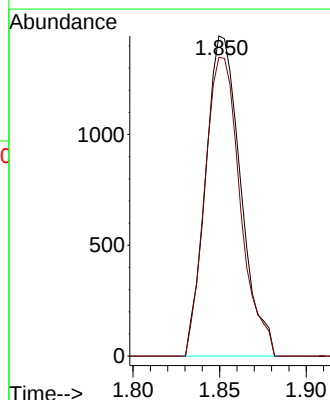
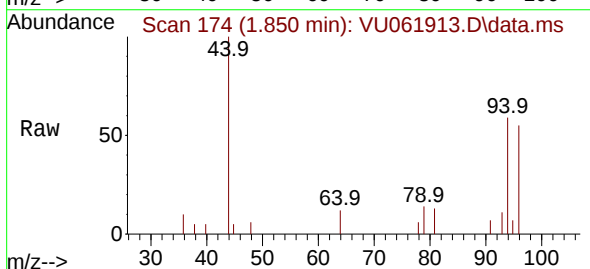
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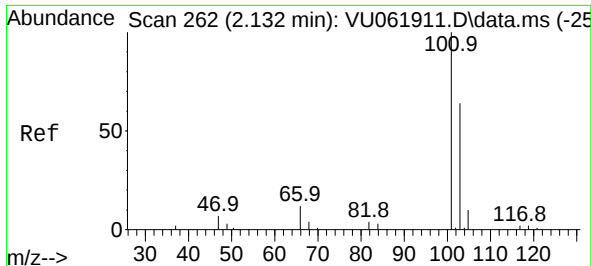
Tgt Ion: 94 Resp: 2030

Ion Ratio Lower Upper

94 100

96 93.4 64.5 119.9

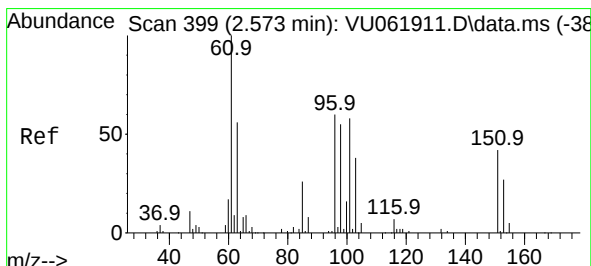
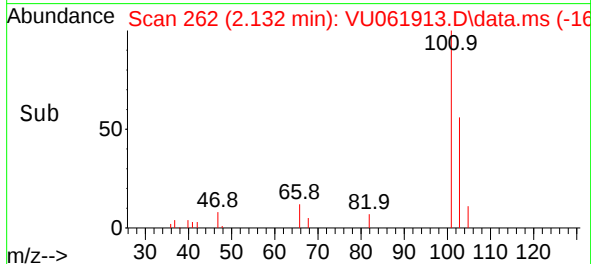
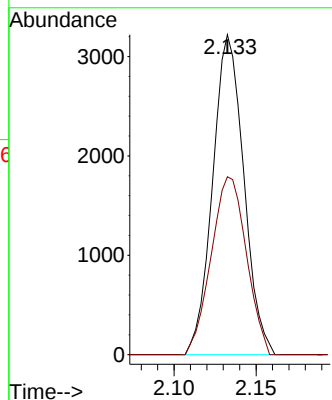
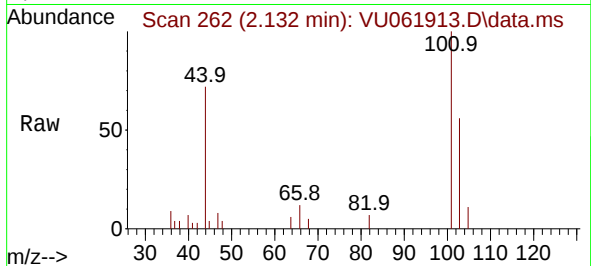




#9  
 Trichlorofluoromethane  
 Concen: 0.196 ug/L  
 RT: 2.132 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU061913.D  
 Acq: 21 Nov 2024 12:49

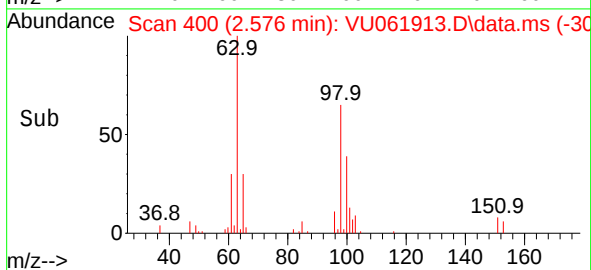
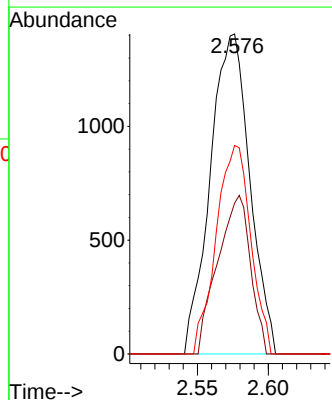
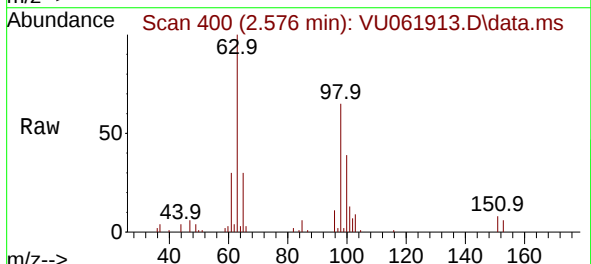
Instrument :  
 MSVOA\_U  
 ClientSampleId :

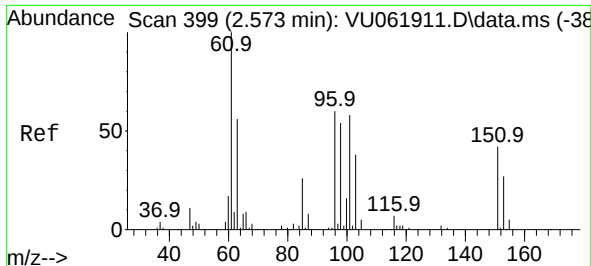
Tgt Ion:101 Resp: 4239  
 Ion Ratio Lower Upper  
 101 100  
 103 62.8 50.6 75.8



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.205 ug/L  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU061913.D  
 Acq: 21 Nov 2024 12:49

Tgt Ion:101 Resp: 2730  
 Ion Ratio Lower Upper  
 101 100  
 85 41.0 38.0 57.0  
 151 56.9 55.3 82.9





#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

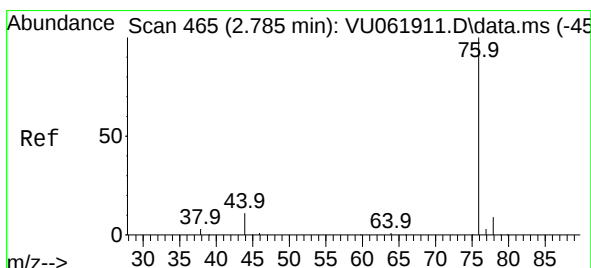
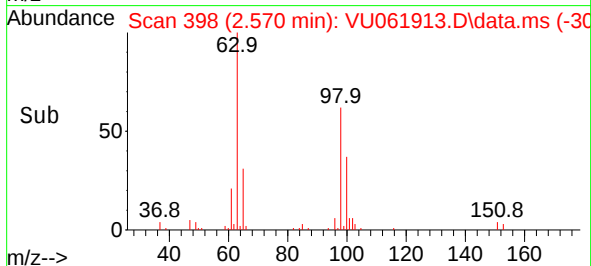
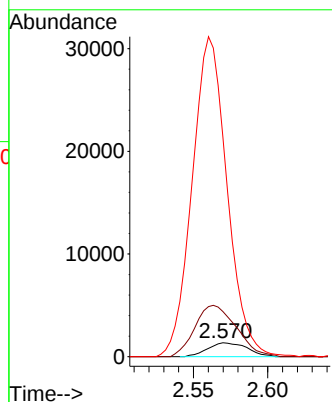
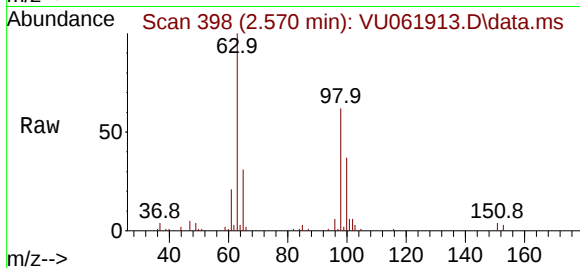
Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 96 Resp: 2498

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 325.5  | 119.6 | 222.2# |
| 63  | 1582.8 | 65.0  | 120.6# |



#14

Carbon disulfide

Concen: 0.170 ug/L

RT: 2.788 min Scan# 466

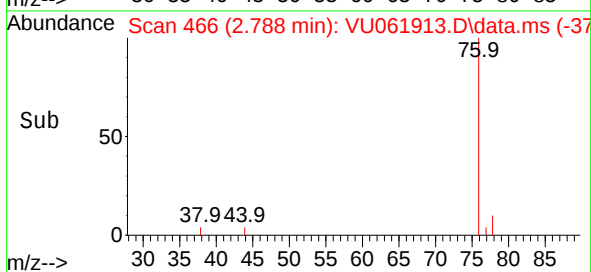
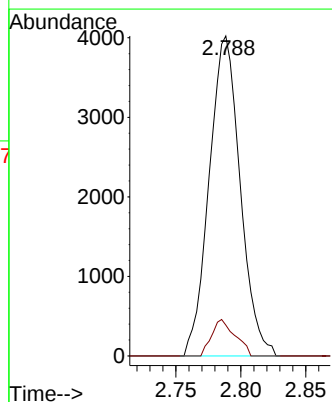
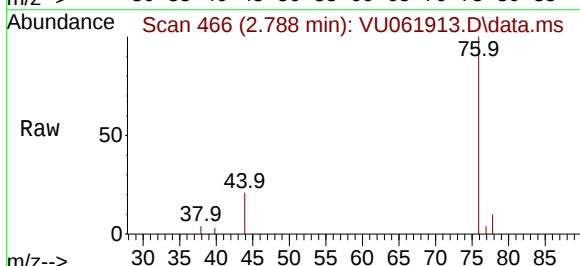
Delta R.T. 0.003 min

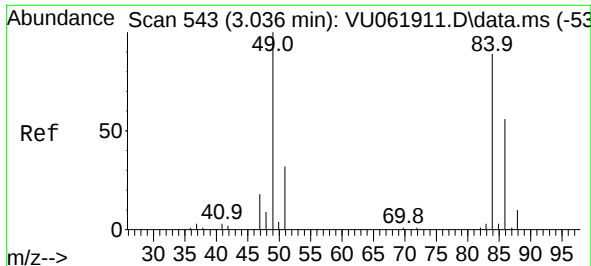
Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Tgt Ion: 76 Resp: 6671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 9.6   | 7.5   | 11.3  |





#16

Methylene chloride

Concen: 0.184 ug/L

RT: 3.039 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

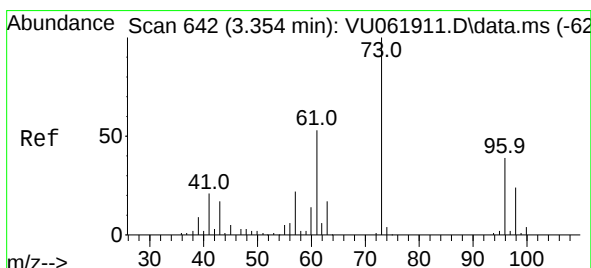
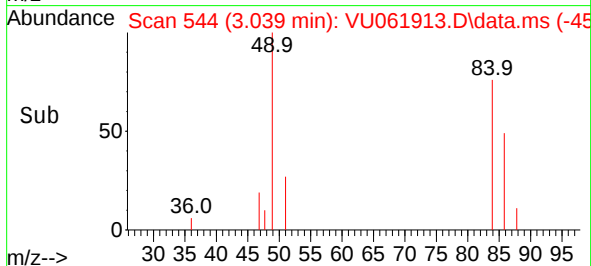
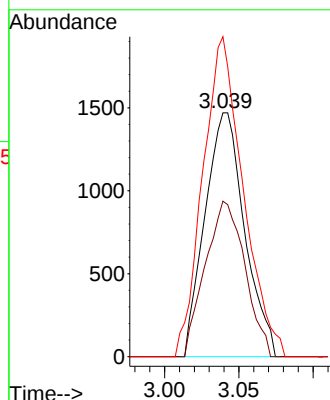
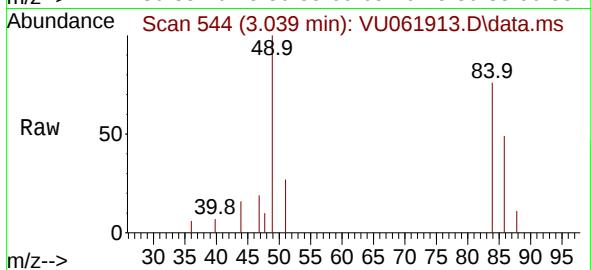
Tgt Ion: 84 Resp: 2727

Ion Ratio Lower Upper

84 100

86 63.7 43.5 80.7

49 131.2 81.9 152.1



#17

Methyl tert-butyl Ether

Concen: 0.177 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

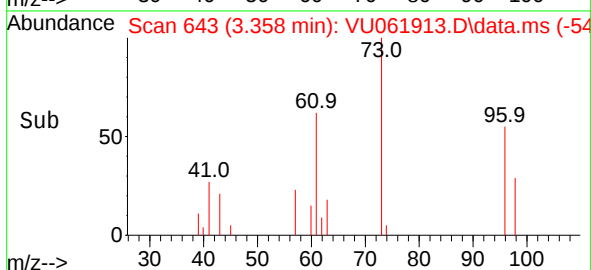
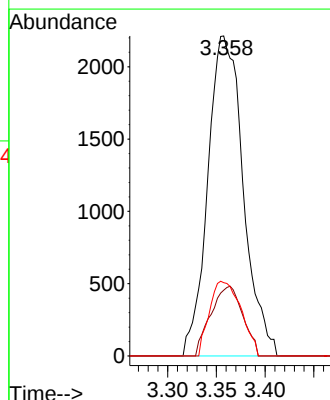
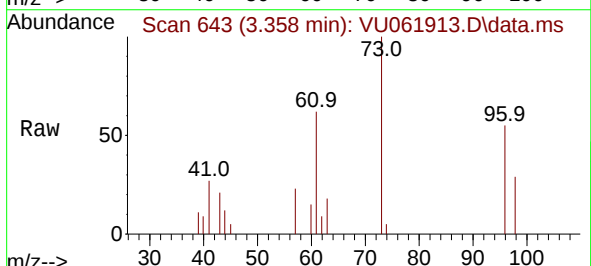
Tgt Ion: 73 Resp: 5598

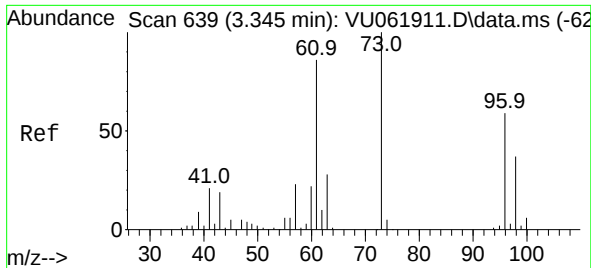
Ion Ratio Lower Upper

73 100

43 19.7 16.3 24.5

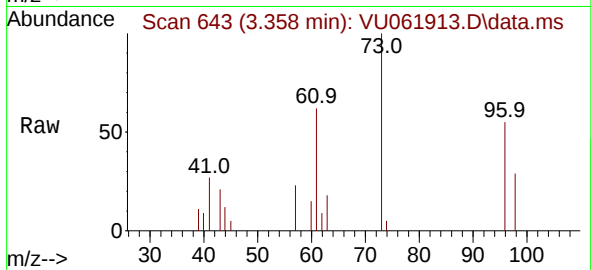
57 20.8 17.1 25.7





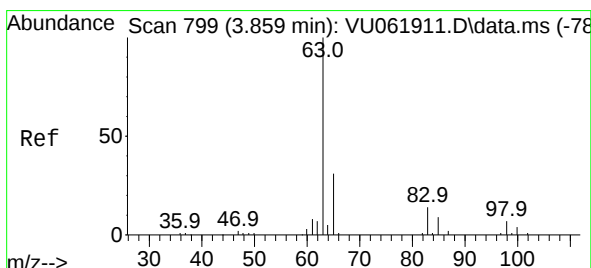
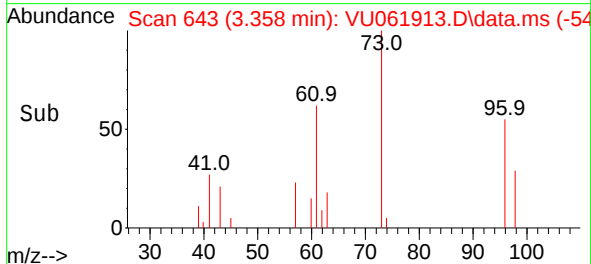
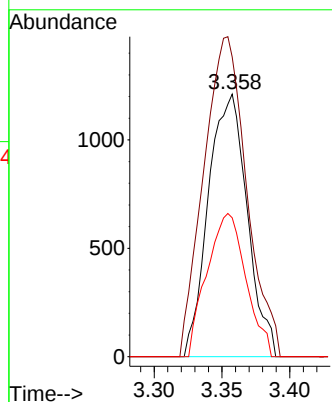
#18  
trans-1,2-Dichloroethene  
Concen: 0.184 ug/L  
RT: 3.358 min Scan# 643  
Delta R.T. 0.013 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 96 Resp: 2412

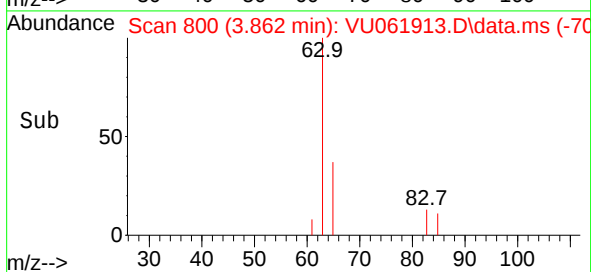
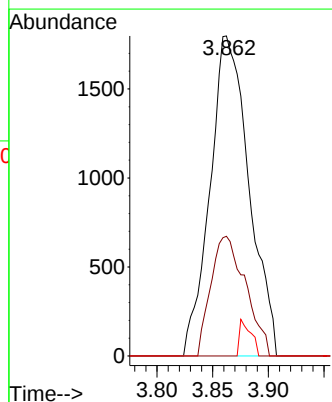
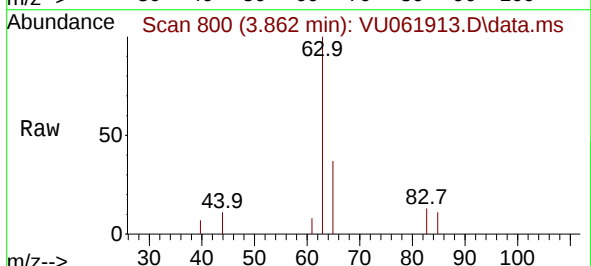
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 114.1 | 104.2 | 193.4 |
| 98  | 52.9  | 45.7  | 84.9  |

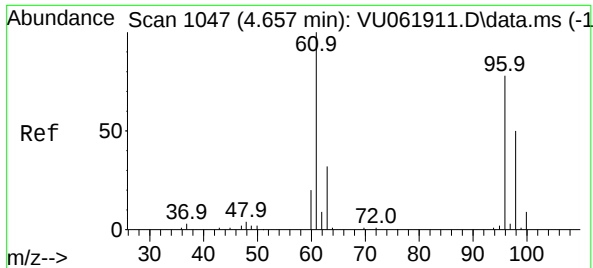


#19  
1,1-Dichloroethane  
Concen: 0.172 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion: 63 Resp: 4378

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 37.4  | 22.7  | 42.3  |
| 83  | 0.0   | 9.9   | 18.3  |

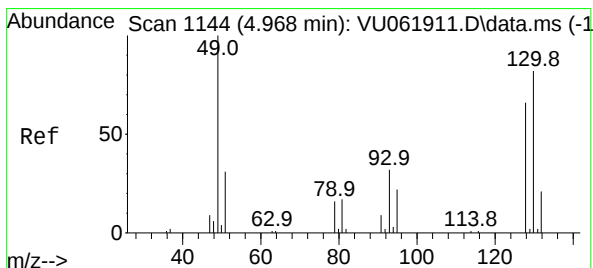
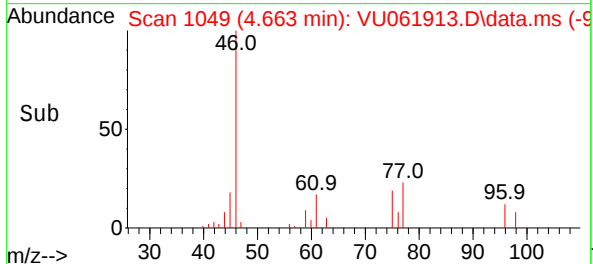
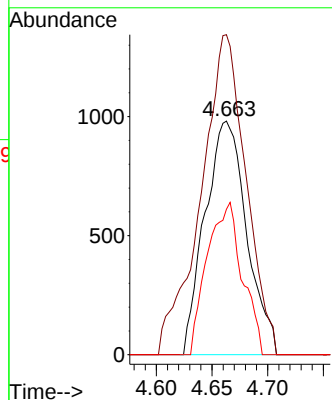
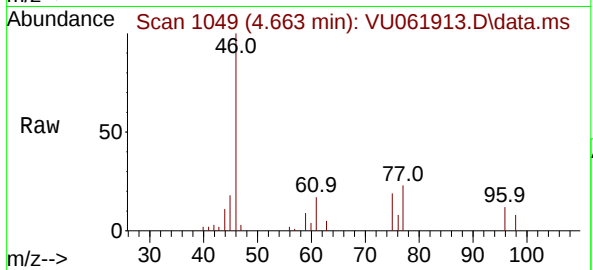




#22  
cis-1,2-Dichloroethene  
Concen: 0.174 ug/L  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

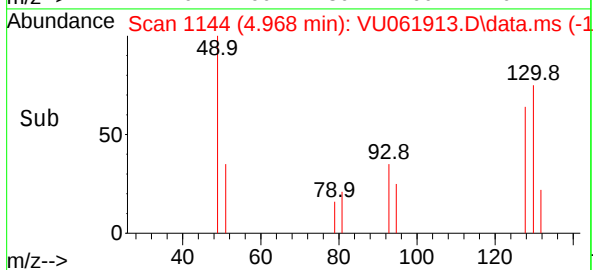
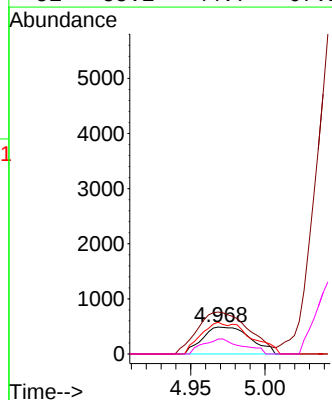
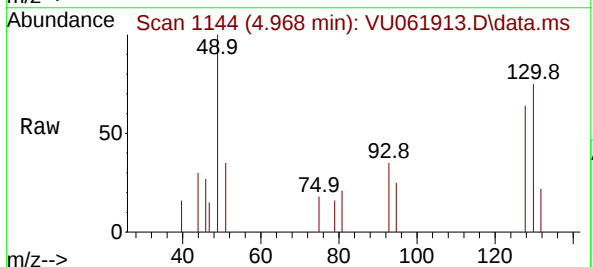
Instrument :  
MSVOA\_U  
ClientSampleId :

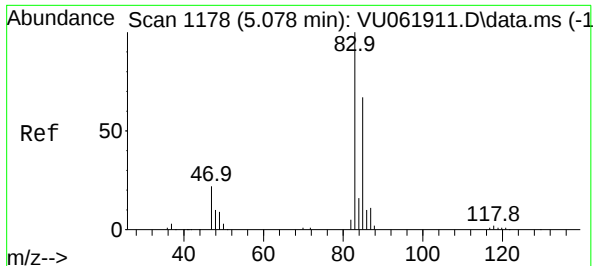
Tgt Ion: 96 Resp: 2559  
Ion Ratio Lower Upper  
96 100  
61 137.0 92.0 170.8  
98 62.3 44.5 82.7



#23  
Bromochloromethane  
Concen: 0.171 ug/L  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion:128 Resp: 1093  
Ion Ratio Lower Upper  
128 100  
49 156.5 115.3 214.1  
130 117.9 92.0 170.8  
51 55.2 44.7 67.1





#25

Chloroform

Concen: 0.216 ug/L

RT: 5.078 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

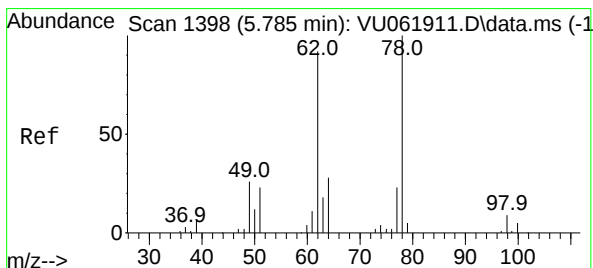
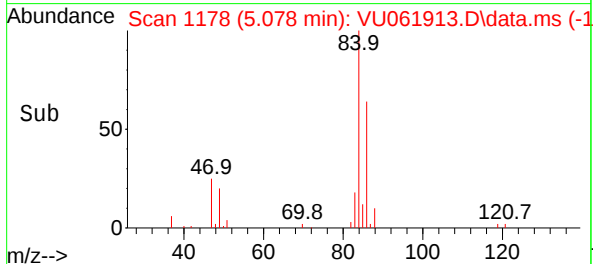
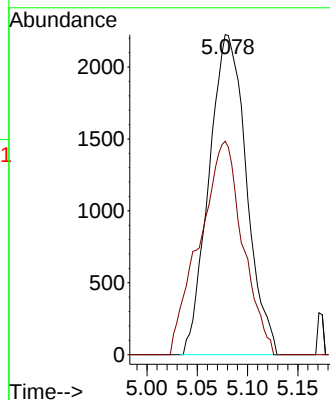
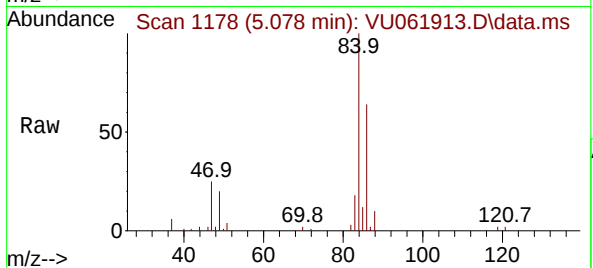
ClientSampleId :

Tgt Ion: 83 Resp: 5751

Ion Ratio Lower Upper

83 100

85 66.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 0.176 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU061913.D

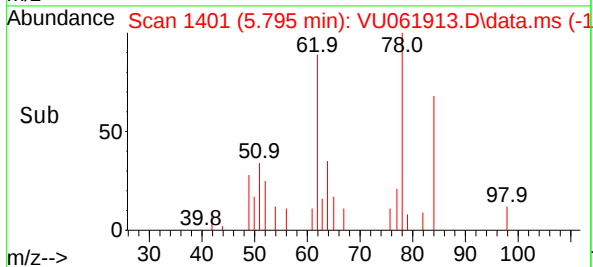
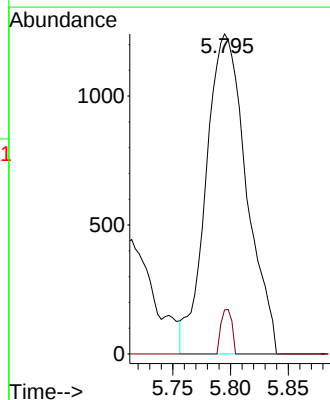
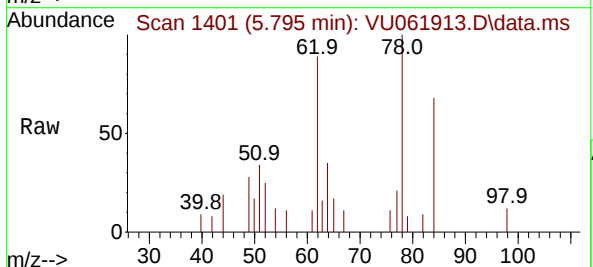
Acq: 21 Nov 2024 12:49

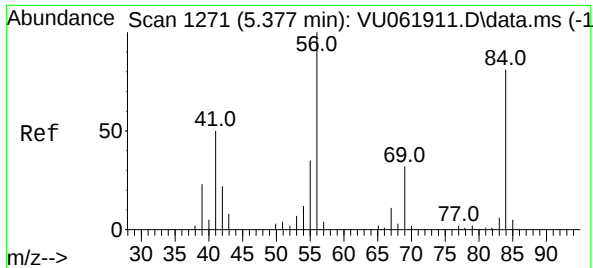
Tgt Ion: 62 Resp: 3023

Ion Ratio Lower Upper

62 100

98 13.8 7.4 11.0#

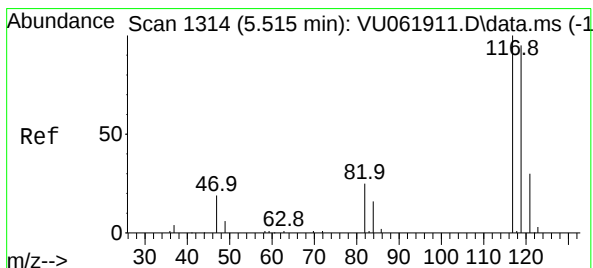
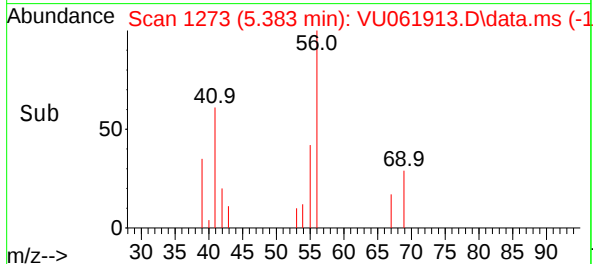
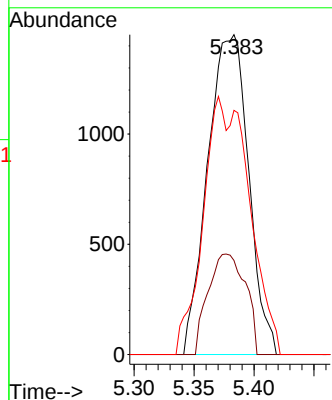
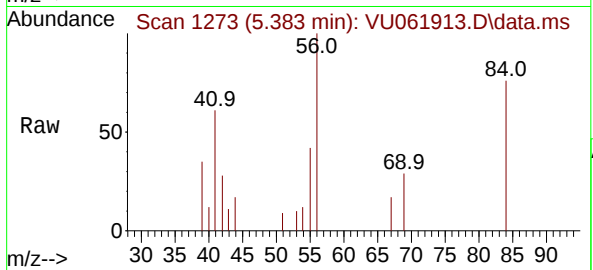




#30  
Cyclohexane  
Concen: 0.178 ug/L  
RT: 5.383 min Scan# 1315  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

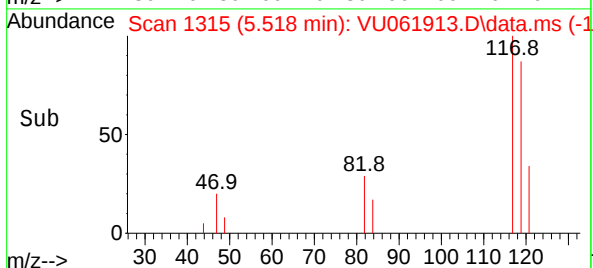
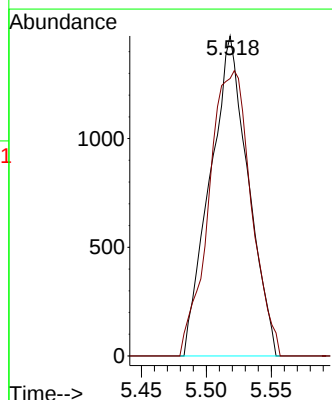
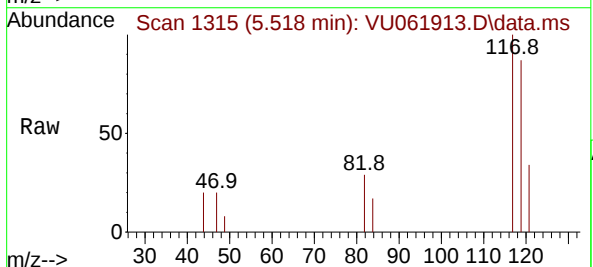
Instrument :  
MSVOA\_U  
ClientSampleId :

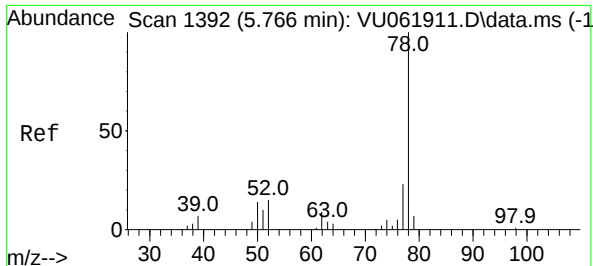
Tgt Ion: 56 Resp: 3445  
Ion Ratio Lower Upper  
56 100  
69 28.5 25.1 37.7  
84 46.2 70.6 105.8#



#31  
Carbon tetrachloride  
Concen: 0.191 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion: 117 Resp: 3000  
Ion Ratio Lower Upper  
117 100  
119 99.2 77.5 116.3





#33

Benzene

Concen: 0.213 ug/L

RT: 5.772 min Scan# 1394

Delta R.T. 0.006 min

Lab File: VU061913.D

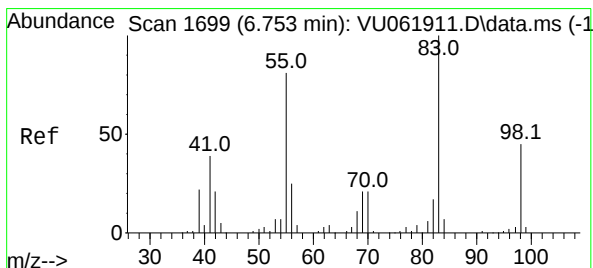
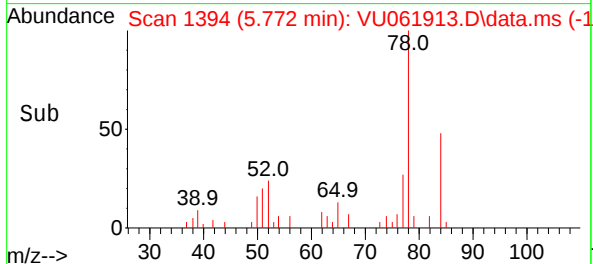
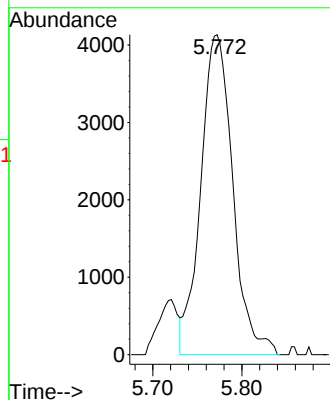
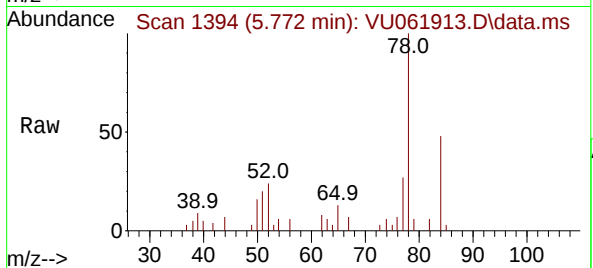
Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 78 Resp: 10326



#35

Methylcyclohexane

Concen: 0.221 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

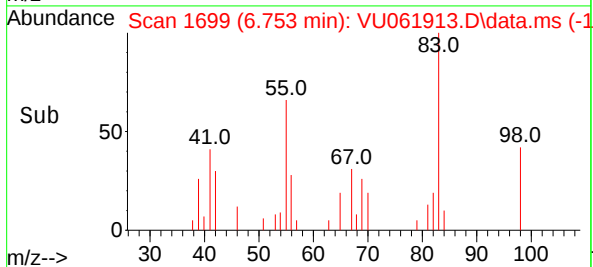
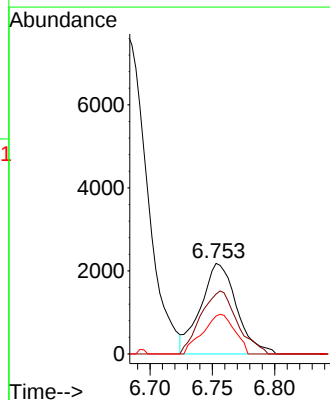
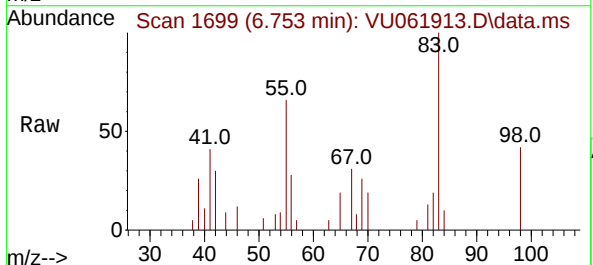
Tgt Ion: 83 Resp: 4359

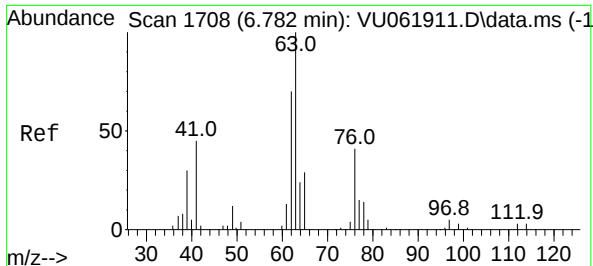
Ion Ratio Lower Upper

83 100

55 70.7 60.7 91.1

98 38.8 34.8 52.2

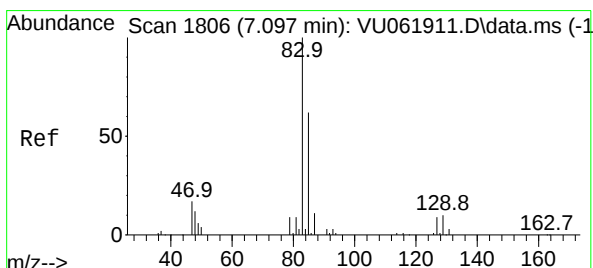
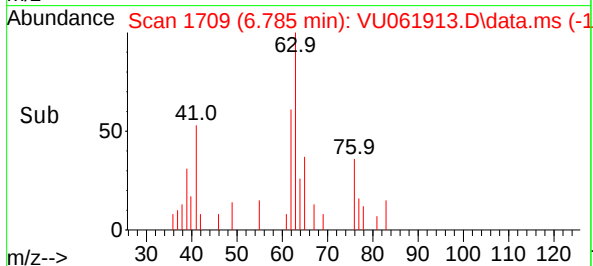
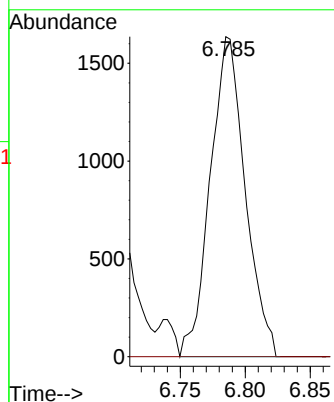
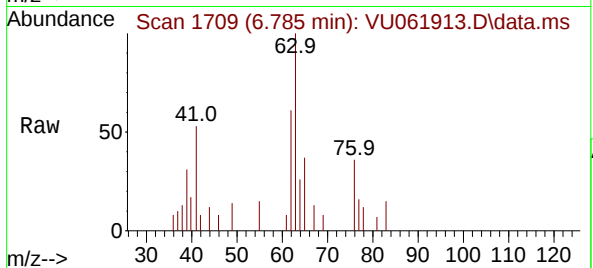




#37  
1,2-Dichloropropane  
Concen: 0.243 ug/L  
RT: 6.785 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

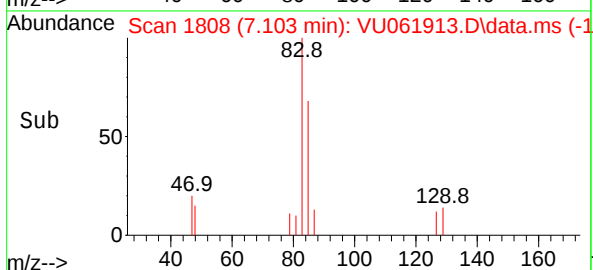
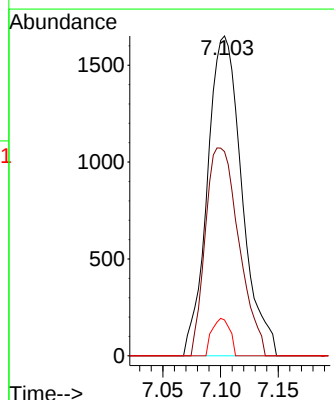
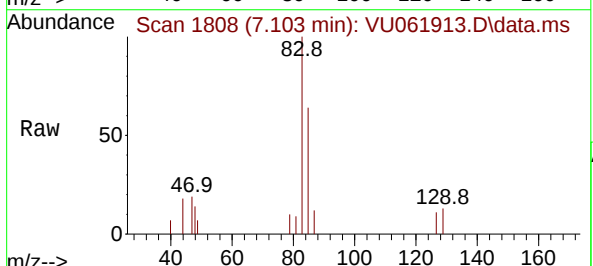
Instrument :  
MSVOA\_U  
ClientSampleId :

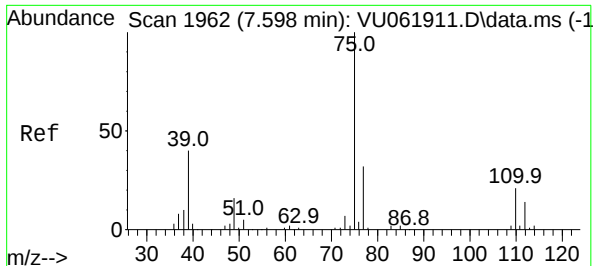
Tgt Ion: 63 Resp: 3054  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#38  
Bromodichloromethane  
Concen: 0.225 ug/L  
RT: 7.103 min Scan# 1808  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion: 83 Resp: 3429  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.1 81.9  
127 11.2 6.9 10.3#

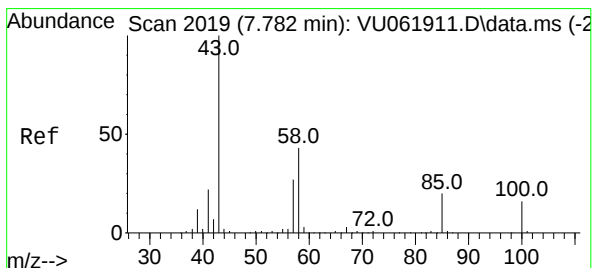
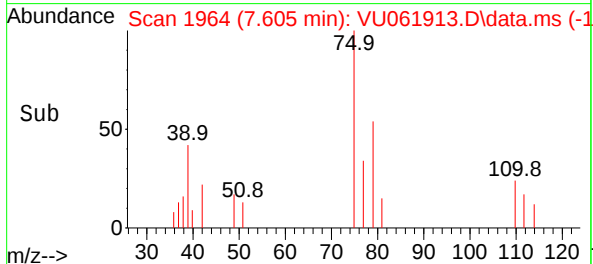
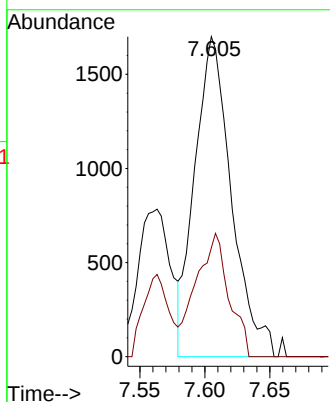
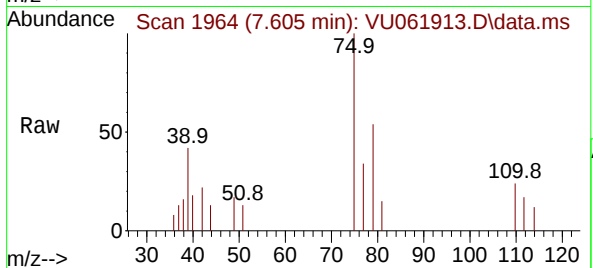




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.190 ug/L  
 RT: 7.605 min Scan# 1964  
 Delta R.T. 0.006 min  
 Lab File: VU061913.D  
 Acq: 21 Nov 2024 12:49

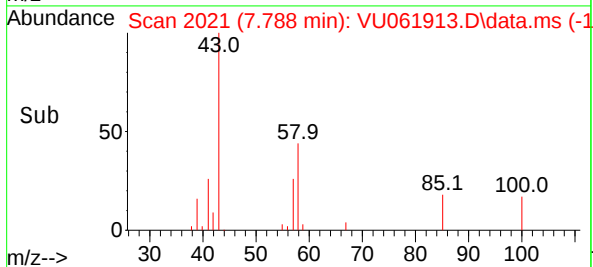
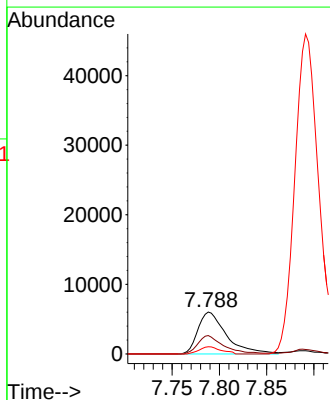
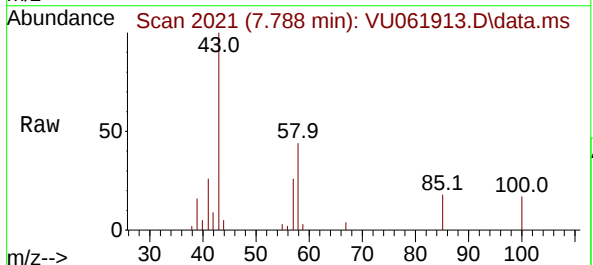
Instrument :  
 MSVOA\_U  
 ClientSampleId :

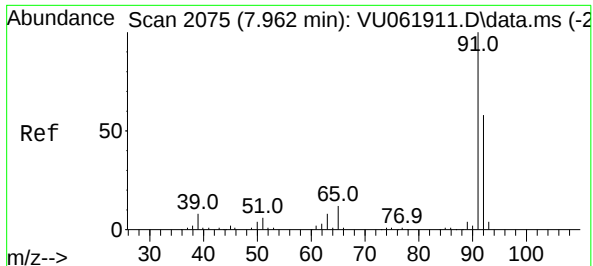
Tgt Ion: 75 Resp: 3348  
 Ion Ratio Lower Upper  
 75 100  
 77 34.0 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 1.861 ug/L  
 RT: 7.788 min Scan# 2021  
 Delta R.T. 0.006 min  
 Lab File: VU061913.D  
 Acq: 21 Nov 2024 12:49

Tgt Ion: 43 Resp: 12621  
 Ion Ratio Lower Upper  
 43 100  
 58 40.1 33.3 49.9  
 100 0.0 12.4 18.6#





#42

Toluene

Concen: 0.196 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

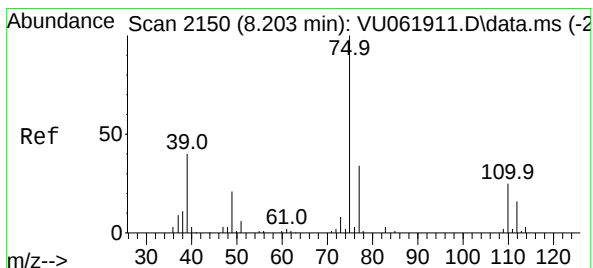
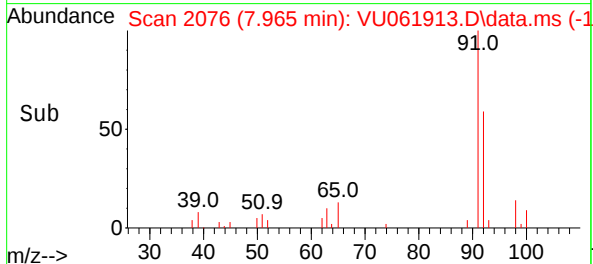
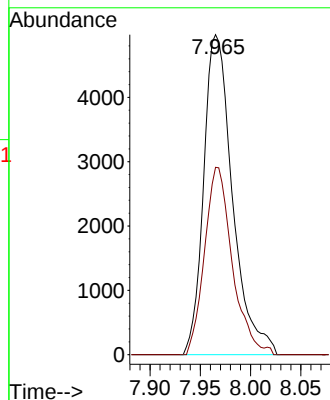
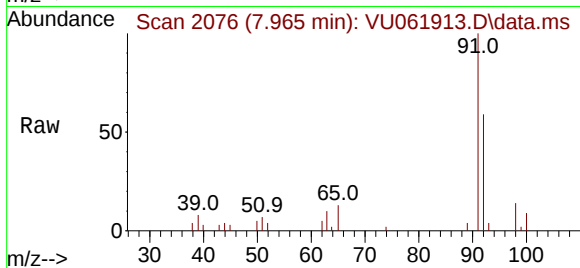
ClientSampleId :

Tgt Ion: 91 Resp: 9931

Ion Ratio Lower Upper

91 100

92 58.5 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 0.188 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.010 min

Lab File: VU061913.D

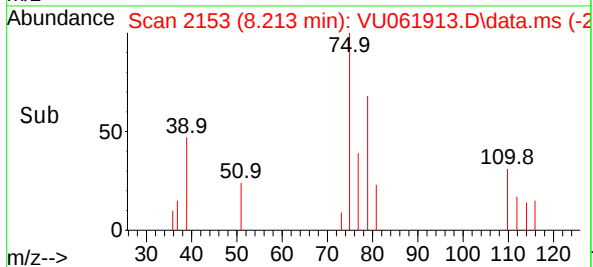
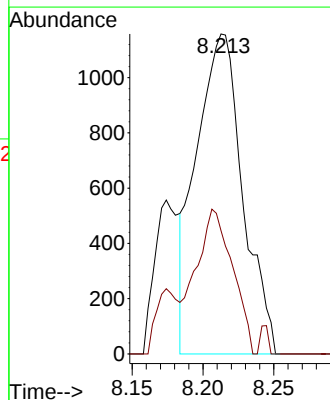
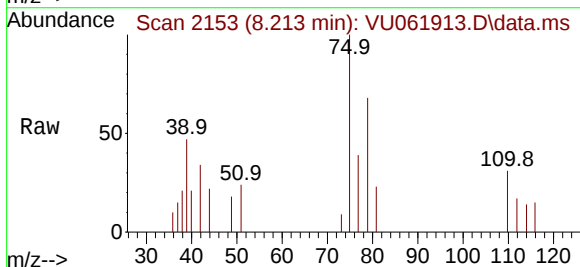
Acq: 21 Nov 2024 12:49

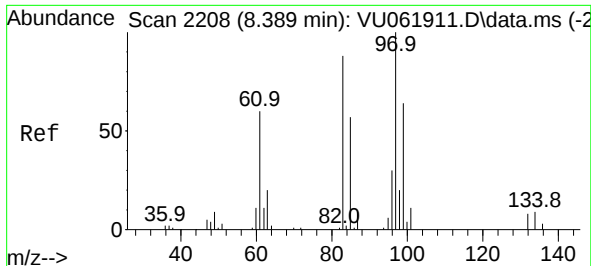
Tgt Ion: 75 Resp: 2635

Ion Ratio Lower Upper

75 100

77 38.5 21.8 40.4

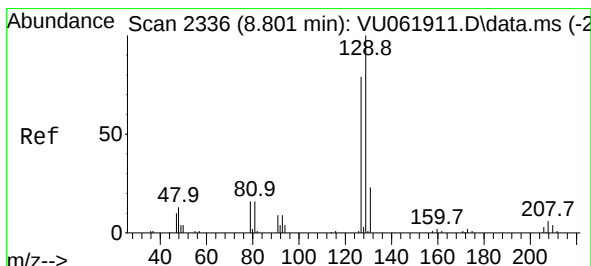
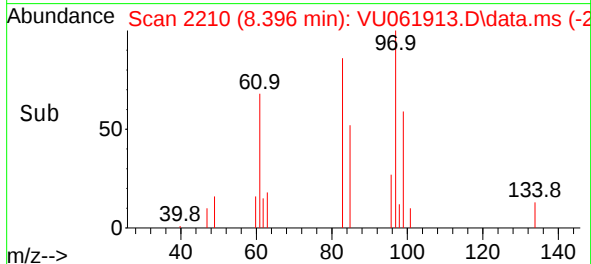
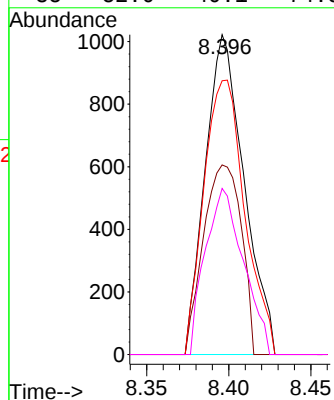
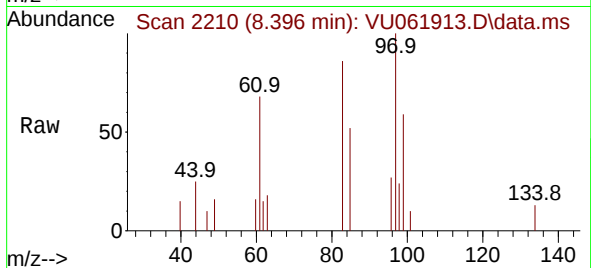




#45  
1,1,2-Trichloroethane  
Concen: 0.182 ug/L  
RT: 8.396 min Scan# 2210  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

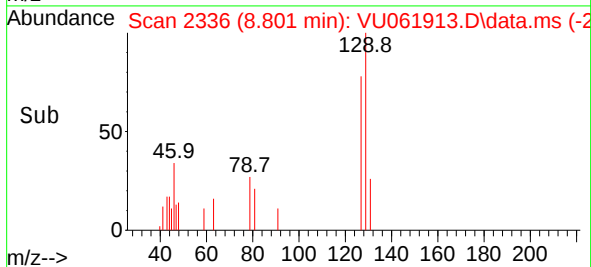
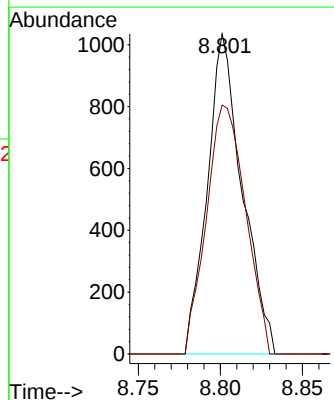
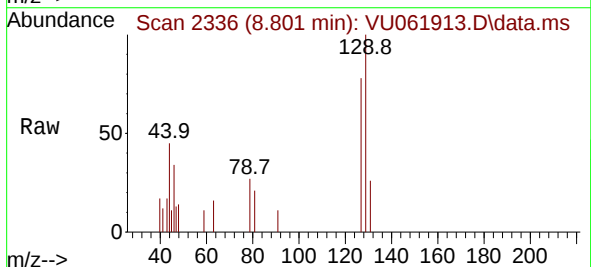
Instrument :  
MSVOA\_U  
ClientSampleId :

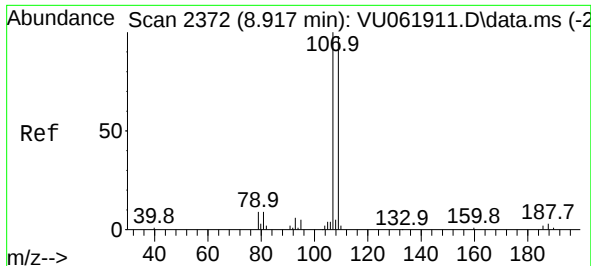
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1681  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.3     | 43.0 79.8   |
| 83 85.6     | 61.7 114.5  |
| 85 52.0     | 40.1 74.5   |



#49  
Dibromochloromethane  
Concen: 0.156 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

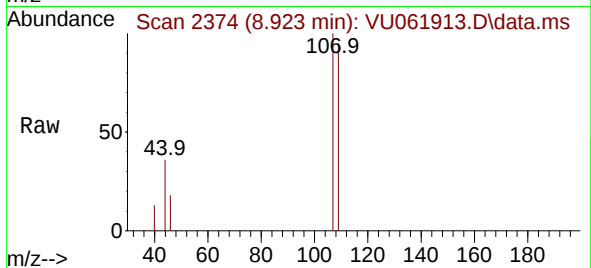
|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion:129 | Resp: 1530 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 129 100     |            |       |  |
| 127 77.8    | 51.1       | 94.9  |  |



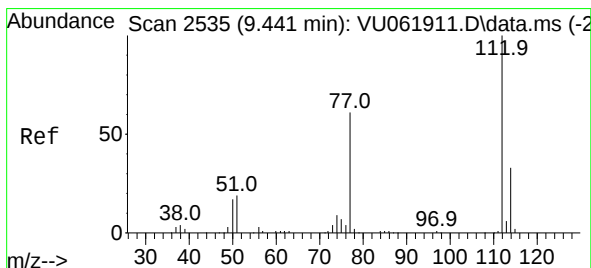
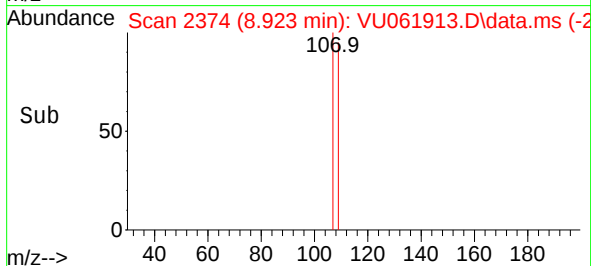
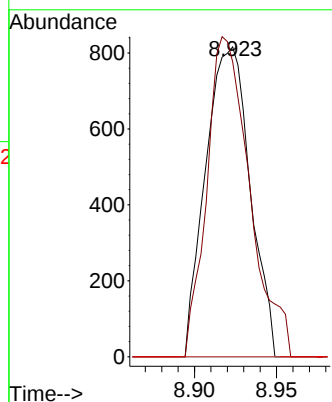


#50  
1,2-Dibromoethane  
Concen: 0.167 ug/L  
RT: 8.923 min Scan# 24  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Instrument :  
MSVOA\_U  
ClientSampleId :

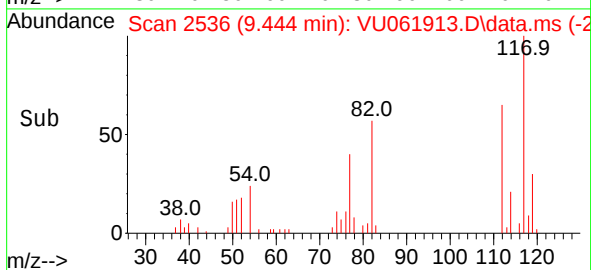
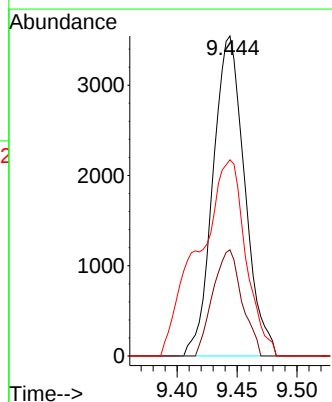
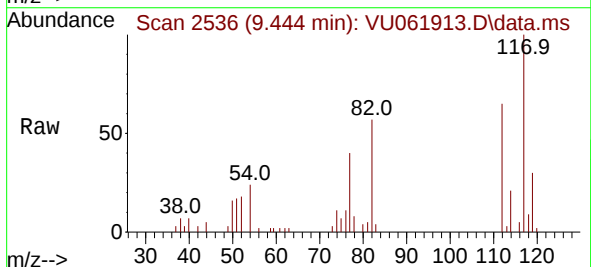


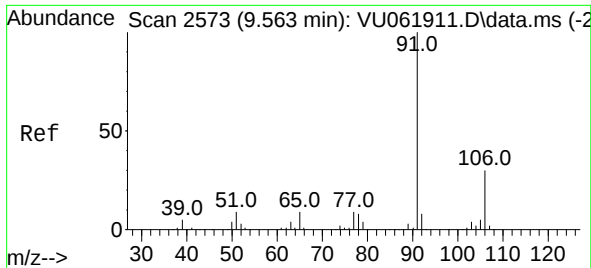
Tgt Ion:107 Resp: 1539  
Ion Ratio Lower Upper  
107 100  
109 95.2 66.8 124.2  
188 0.0 2.3 3.5#



#51  
Chlorobenzene  
Concen: 0.187 ug/L  
RT: 9.444 min Scan# 2536  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion:112 Resp: 6515  
Ion Ratio Lower Upper  
112 100  
114 33.1 23.0 42.6  
77 61.3 50.5 75.7

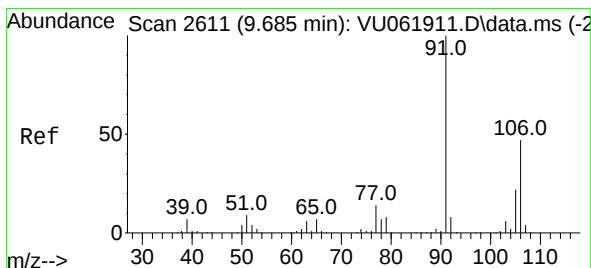
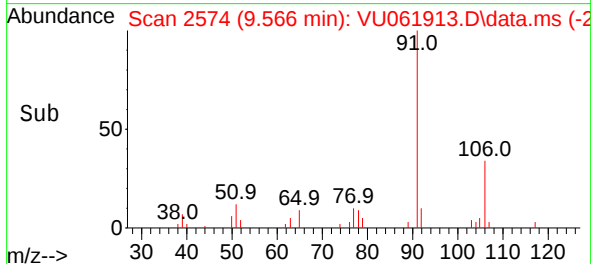
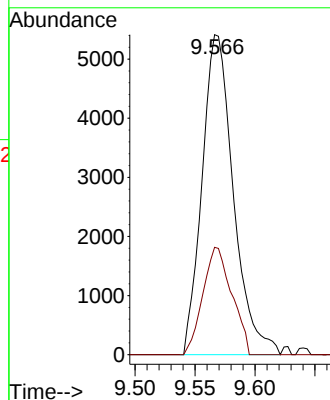
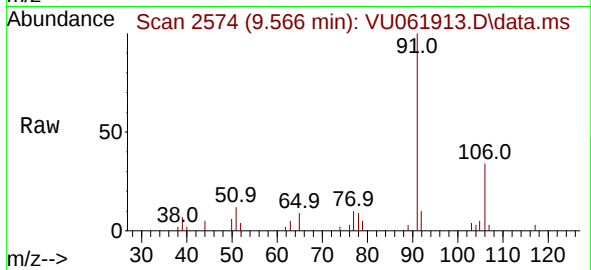




#52  
Ethylbenzene  
Concen: 0.162 ug/L  
RT: 9.566 min Scan# 2574  
Delta R.T. 0.003 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

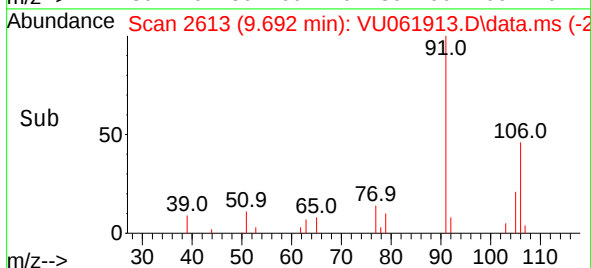
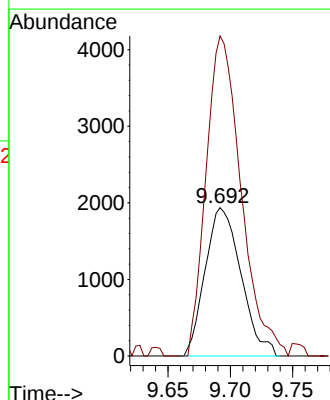
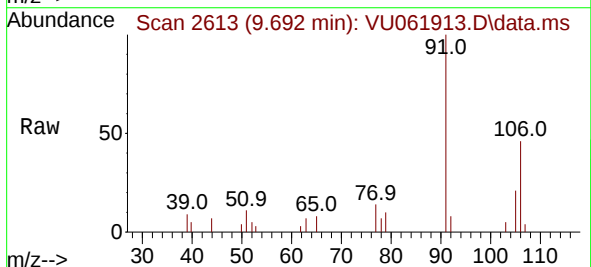
Instrument :  
MSVOA\_U  
ClientSampleId :

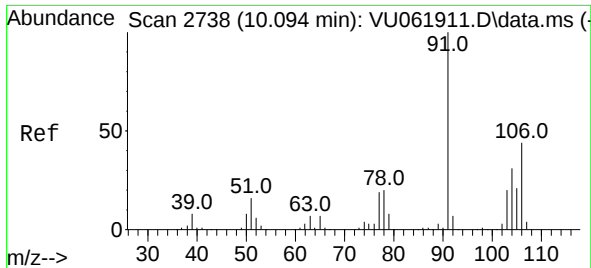
Tgt Ion: 91 Resp: 9841  
Ion Ratio Lower Upper  
91 100  
106 33.5 21.6 40.0



#53  
m,p-Xylene  
Concen: 0.181 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion:106 Resp: 3878  
Ion Ratio Lower Upper  
106 100  
91 215.6 147.6 274.0

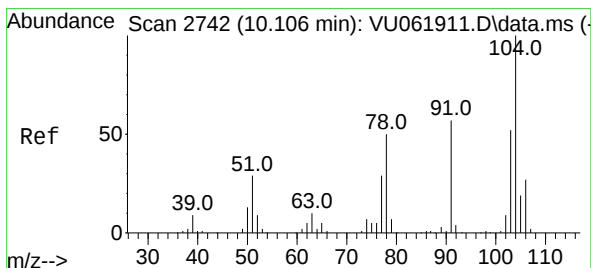
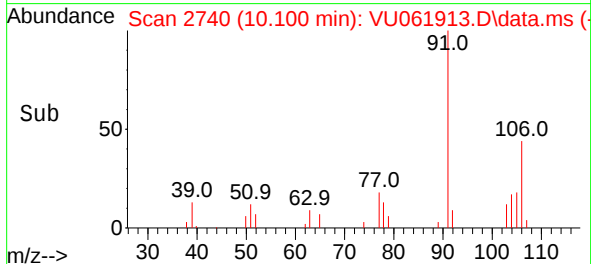
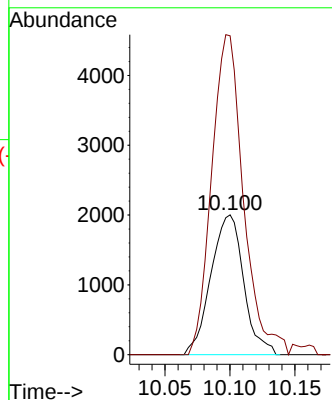
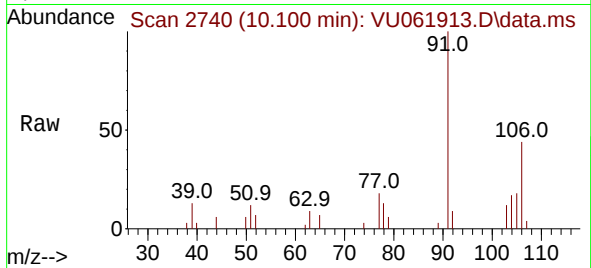




#54  
o-Xylene  
Concen: 0.162 ug/L  
RT: 10.100 min Scan# 2738  
Delta R.T. 0.006 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

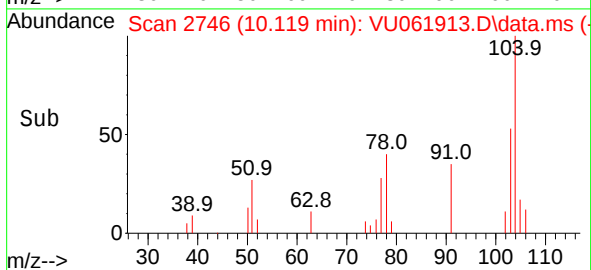
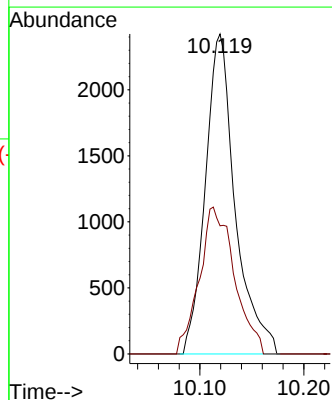
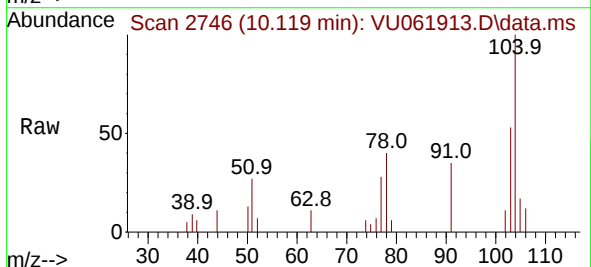
Instrument :  
MSVOA\_U  
ClientSampleId :

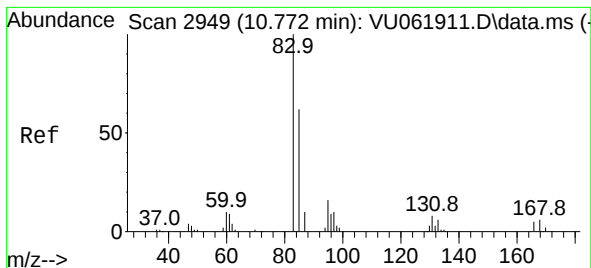
Tgt Ion:106 Resp: 3509  
Ion Ratio Lower Upper  
106 100  
91 228.0 159.8 296.8



#55  
Styrene  
Concen: 0.136 ug/L  
RT: 10.119 min Scan# 2746  
Delta R.T. 0.013 min  
Lab File: VU061913.D  
Acq: 21 Nov 2024 12:49

Tgt Ion:104 Resp: 4835  
Ion Ratio Lower Upper  
104 100  
78 40.0 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.235 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU061913.D

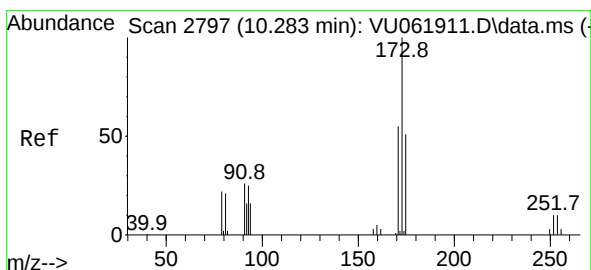
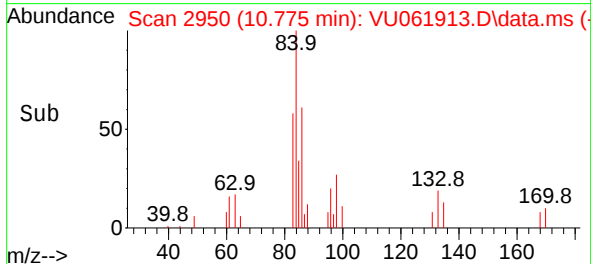
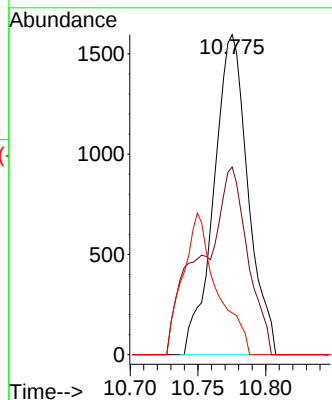
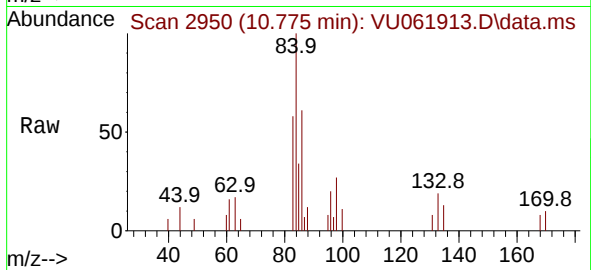
Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 2794      |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 58.6  | 44.4 82.4 |
| 131         | 13.0  | 7.3 10.9# |



#59

Bromoform

Concen: 0.189 ug/L

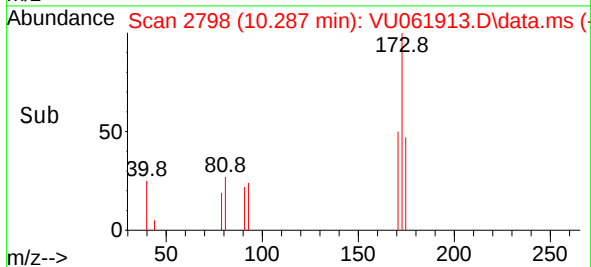
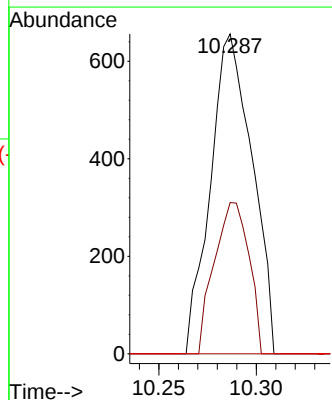
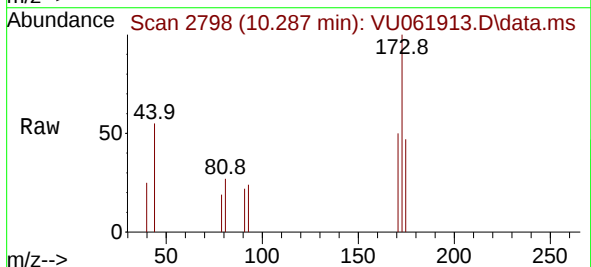
RT: 10.287 min Scan# 2798

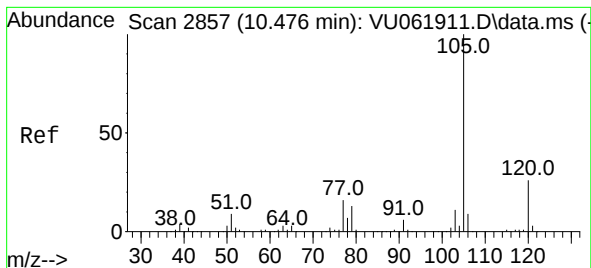
Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

|              |       |           |
|--------------|-------|-----------|
| Tgt Ion: 173 | Resp: | 976       |
| Ion Ratio    | Lower | Upper     |
| 173          | 100   |           |
| 175          | 39.2  | 39.0 58.4 |
| 254          | 0.0   | 7.4 11.0# |





#60

Isopropylbenzene

Concen: 0.178 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

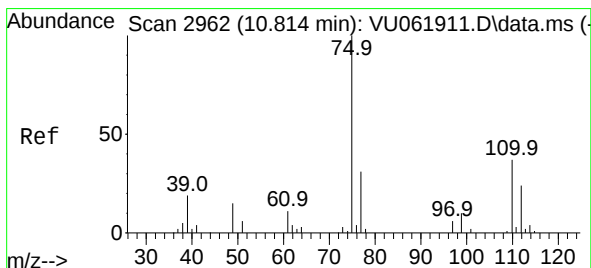
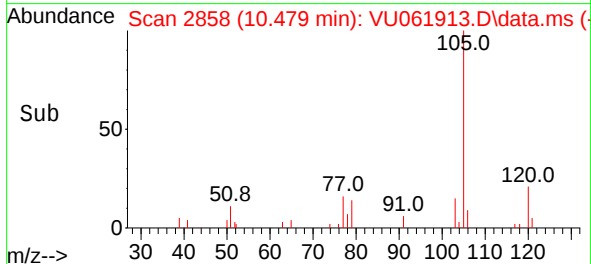
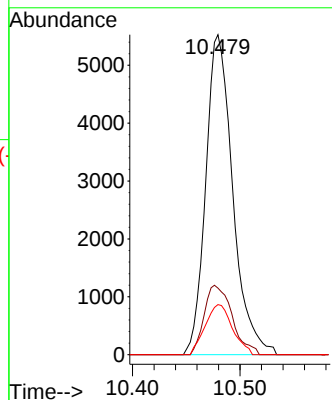
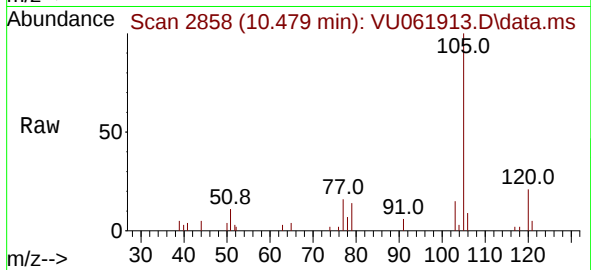
Tgt Ion:105 Resp: 9653

Ion Ratio Lower Upper

105 100

120 22.4 20.6 31.0

77 15.8 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 0.233 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

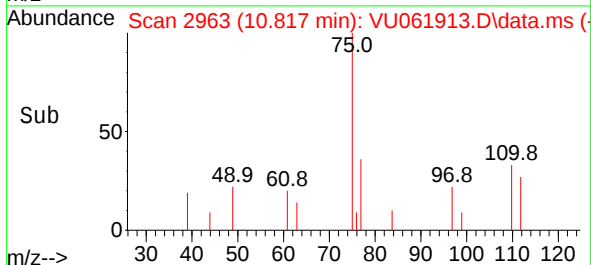
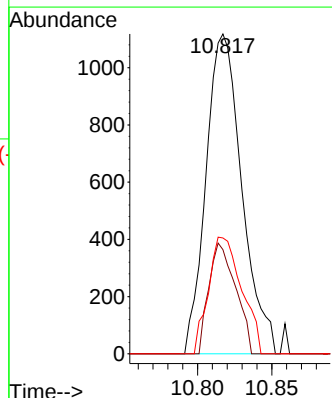
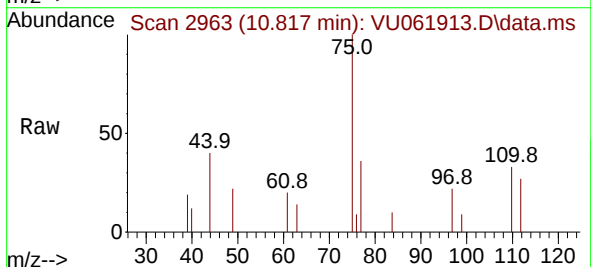
Tgt Ion: 75 Resp: 1876

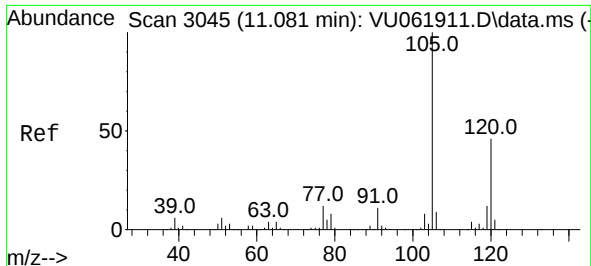
Ion Ratio Lower Upper

75 100

110 25.9 28.9 43.3#

77 33.8 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 0.200 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

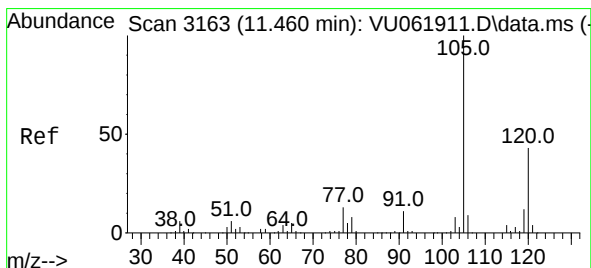
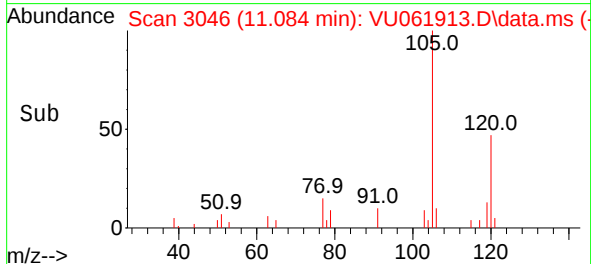
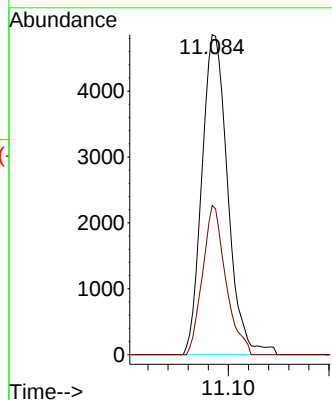
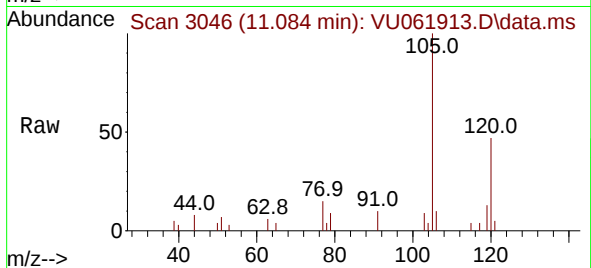
ClientSampleId :

Tgt Ion:105 Resp: 8655

Ion Ratio Lower Upper

105 100

120 41.8 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 0.152 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU061913.D

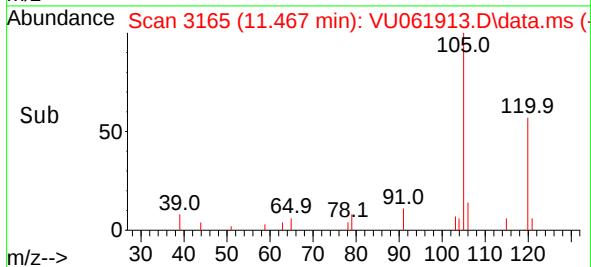
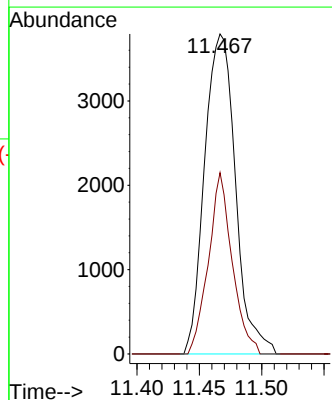
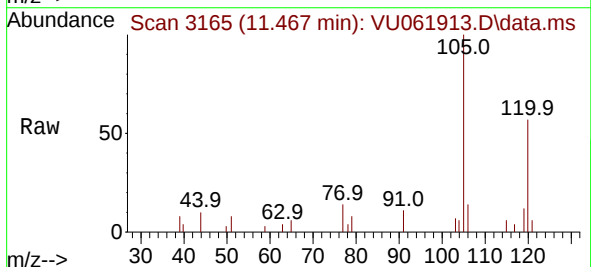
Acq: 21 Nov 2024 12:49

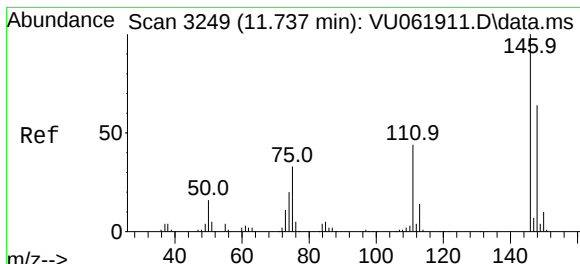
Tgt Ion:105 Resp: 6542

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.175 ug/L

RT: 11.743 min Scan# 3249

Delta R.T. 0.006 min

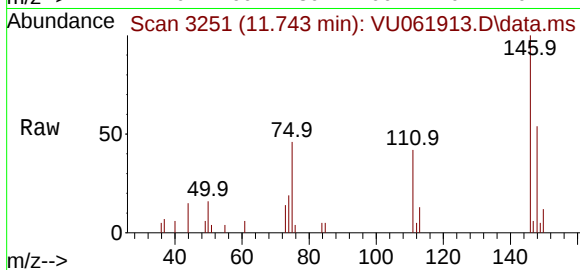
Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :



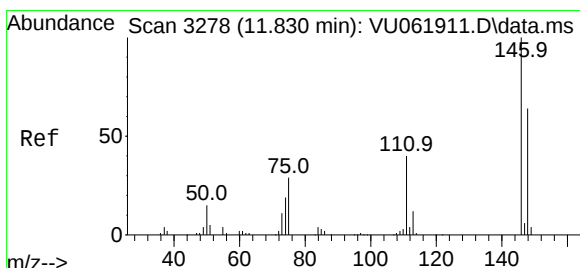
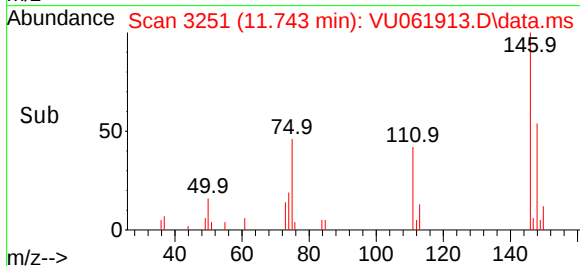
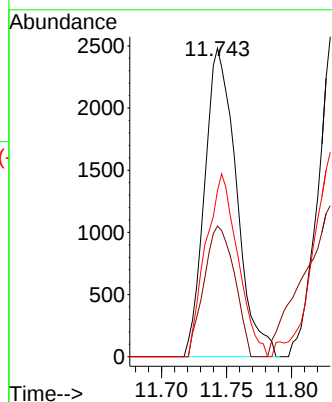
Tgt Ion:146 Resp: 4215

Ion Ratio Lower Upper

146 100

111 42.4 30.7 57.1

148 53.8 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 0.194 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

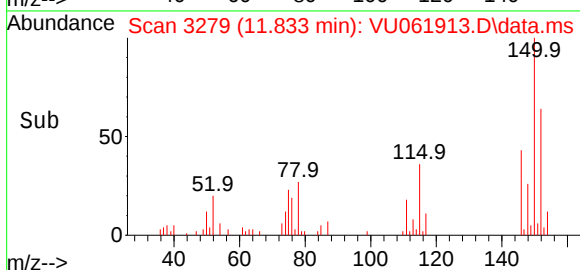
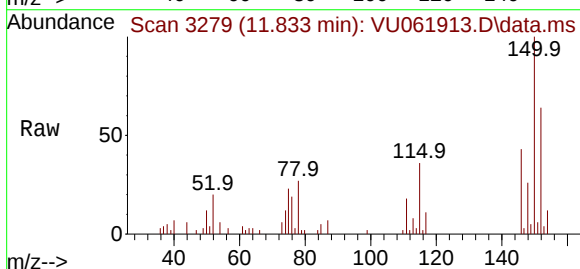
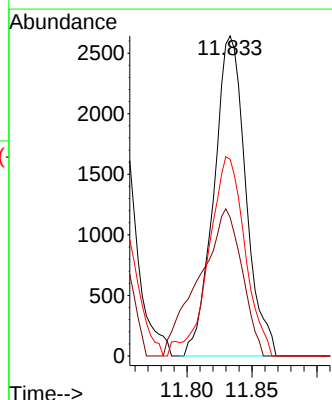
Tgt Ion:146 Resp: 4514

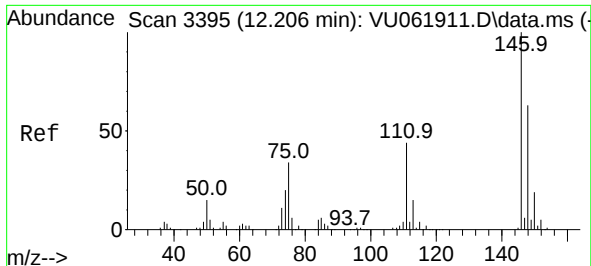
Ion Ratio Lower Upper

146 100

111 43.3 29.3 54.3

148 61.5 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 0.208 ug/L

RT: 12.206 min Scan# 3411

Delta R.T. 0.000 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

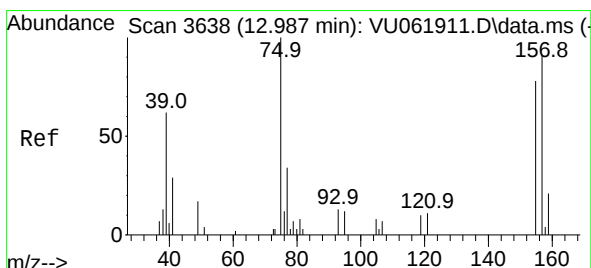
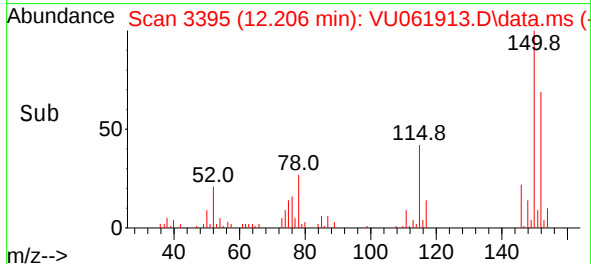
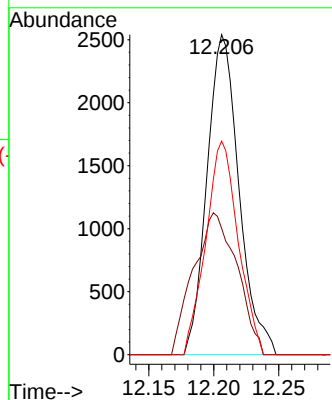
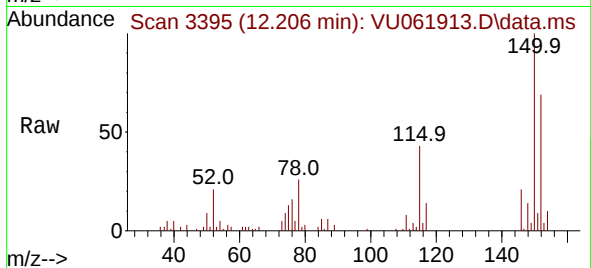
Tgt Ion:146 Resp: 4349

Ion Ratio Lower Upper

146 100

111 39.4 36.0 54.0

148 66.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.111 ug/L

RT: 13.003 min Scan# 3643

Delta R.T. 0.016 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

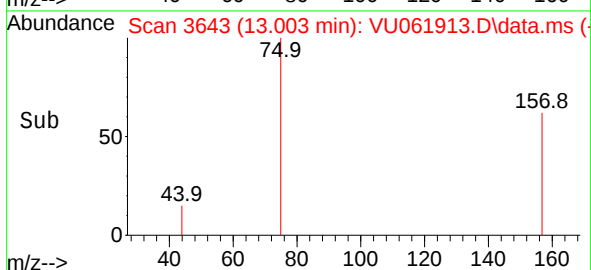
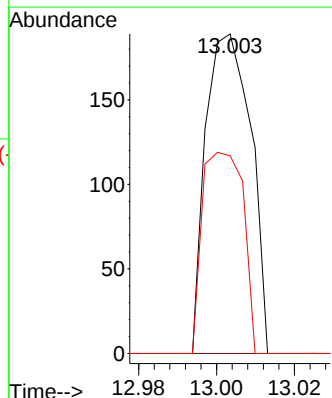
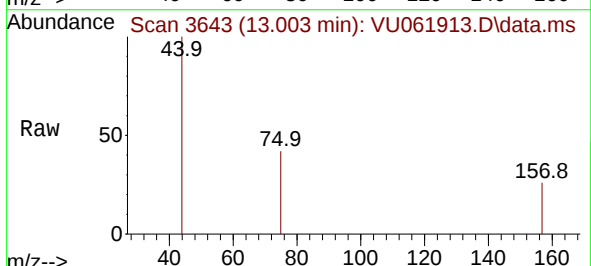
Tgt Ion: 75 Resp: 152

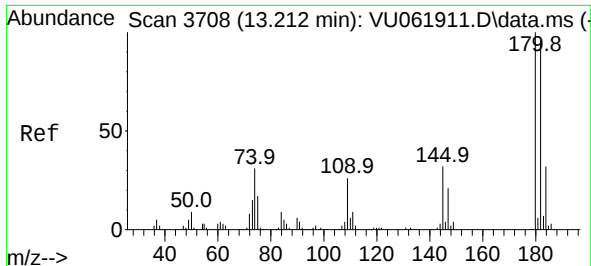
Ion Ratio Lower Upper

75 100

155 0.0 55.2 82.8#

157 61.9 73.5 110.3#





#69

1,3,5-Trichlorobenzene

Concen: 0.190 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.010 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:180 Resp: 2724

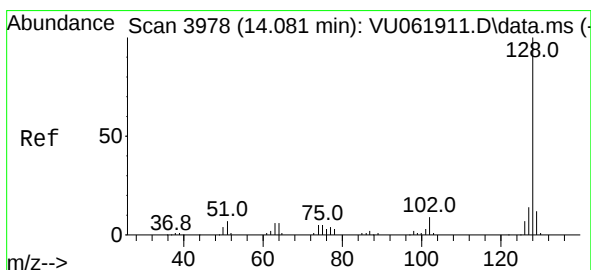
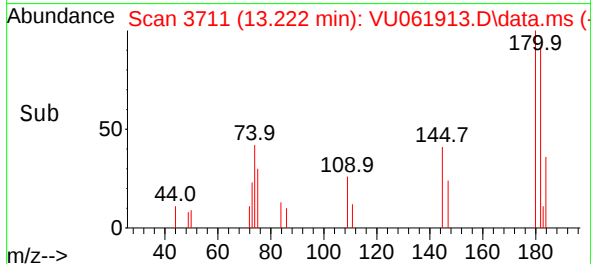
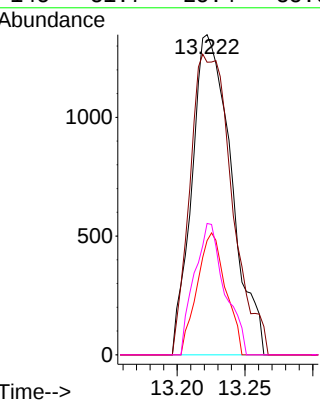
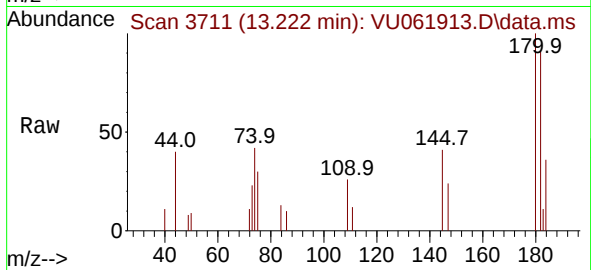
Ion Ratio Lower Upper

180 100

182 99.7 76.7 115.1

184 27.5 24.8 37.2

145 31.7 25.4 38.0



#71

Naphthalene

Concen: 0.199 ug/L

RT: 14.116 min Scan# 3989

Delta R.T. 0.035 min

Lab File: VU061913.D

Acq: 21 Nov 2024 12:49

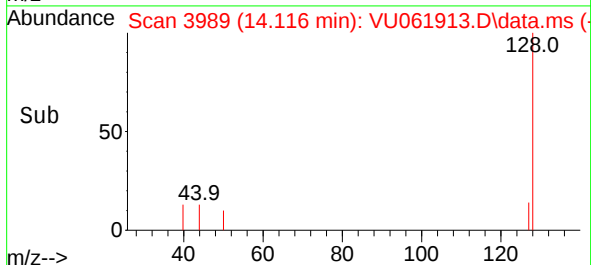
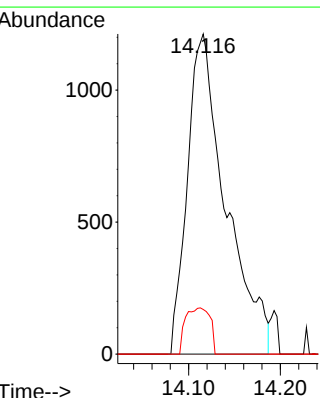
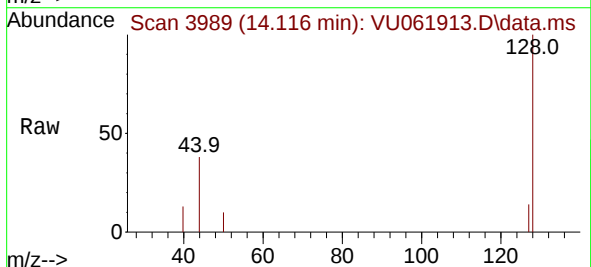
Tgt Ion:128 Resp: 3529

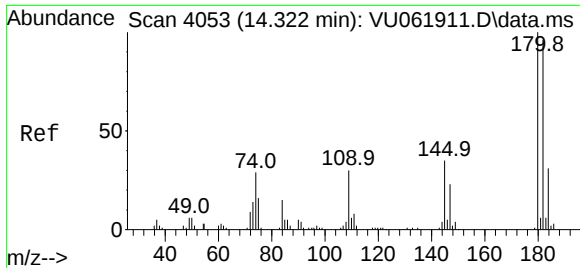
Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

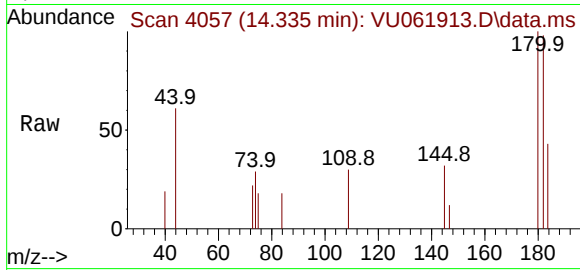
127 9.2 10.2 15.4#





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.228 ug/L  
 RT: 14.335 min Scan# 4057  
 Delta R.T. 0.013 min  
 Lab File: VU061913.D  
 Acq: 21 Nov 2024 12:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:180 Resp: 2162  
 Ion Ratio Lower Upper  
 180 100  
 182 85.4 76.1 114.1  
 145 24.6 27.4 41.0#

