

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112024\  
 Data File : VU061885.D  
 Acq On : 20 Nov 2024 23:04  
 Operator : MD/SY  
 Sample : P4885-10DL 5X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 21 01:36:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 01:18:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.239  | 114  | 133619   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.409  | 117  | 134235   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152  | 44644    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |           |
|-------------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds   |        |       |          |          |      |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 45761    | 6.982    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 139.600%# |
| 7) Chloroethane-d5            | 1.895  | 69    | 40176    | 6.929    | ug/L | -0.01     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 138.600%# |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 17796    | 6.796    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 136.000%# |
| 20) 2-Butanone-d5             | 4.612  | 46    | 116887   | 56.791   | ug/L | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 113.580%  |
| 24) Chloroform-d              | 5.052  | 84    | 92044    | 5.756    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 115.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 50494    | 6.136    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 122.800%  |
| 32) Benzene-d6                | 5.718  | 84    | 169570   | 6.484    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 129.600%# |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 58486    | 6.581    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 131.600%  |
| 41) Toluene-d8                | 7.888  | 98    | 127729   | 5.855    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 117.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 16183    | 4.919    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 98.400%   |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 76827    | 51.162   | ug/L | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 102.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 44947    | 5.061    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 101.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 39011    | 5.910    | ug/L | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 118.200%  |

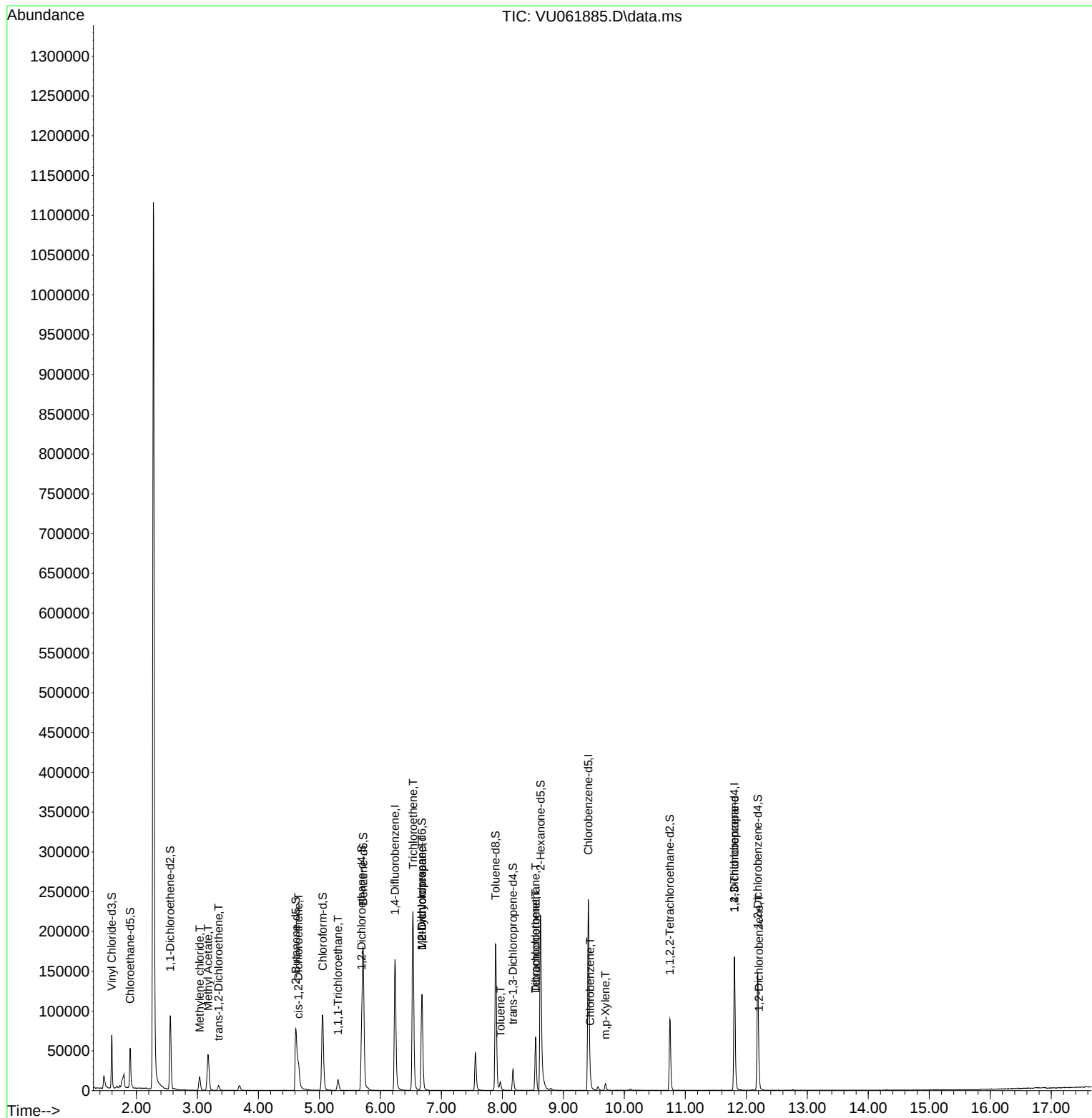
| Target Compounds             |        |     |       |       | Qvalue    |
|------------------------------|--------|-----|-------|-------|-----------|
| 15) Methyl Acetate           | 3.174  | 43  | 3980  | 1.091 | ug/L # 53 |
| 16) Methylene chloride       | 3.036  | 84  | 8313  | 0.773 | ug/L 92   |
| 18) trans-1,2-Dichloroethene | 3.348  | 96  | 2343  | 0.247 | ug/L 94   |
| 22) cis-1,2-Dichloroethene   | 4.657  | 96  | 12748 | 1.196 | ug/L 98   |
| 29) 1,1,1-Trichloroethane    | 5.306  | 97  | 9678  | 0.626 | ug/L 99   |
| 34) Trichloroethene          | 6.534  | 95  | 80095 | 7.403 | ug/L 98   |
| 35) Methylcyclohexane        | 6.679  | 83  | 13282 | 0.803 | ug/L # 19 |
| 37) 1,2-Dichloropropane      | 6.679  | 63  | 6292  | 0.597 | ug/L # 87 |
| 42) Toluene                  | 7.968  | 91  | 8083  | 0.190 | ug/L 91   |
| 47) Tetrachloroethene        | 8.544  | 164 | 13950 | 1.773 | ug/L 98   |
| 49) Dibromochloromethane     | 8.544  | 129 | 14387 | 1.755 | ug/L # 13 |
| 51) Chlorobenzene            | 9.441  | 112 | 6393  | 0.219 | ug/L 93   |
| 53) m,p-Xylene               | 9.689  | 106 | 3054  | 0.170 | ug/L 92   |
| 61) 1,2,3-Trichloropropane   | 11.804 | 75  | 5961  | 1.155 | ug/L # 68 |
| 67) 1,2-Dichlorobenzene      | 12.206 | 146 | 3278  | 0.244 | ug/L 96   |

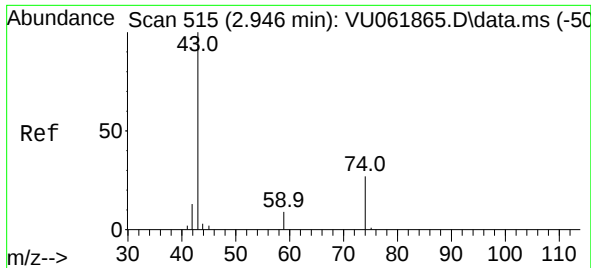
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112024\  
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Sample : P4885-10DL 5X  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 21 01:36:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 21 01:18:14 2024  
Response via : Initial Calibration





#15

Methyl Acetate

Concen: 1.091 ug/L

RT: 3.174 min Scan# 515

Delta R.T. 0.228 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

Instrument :

MSVOA\_U

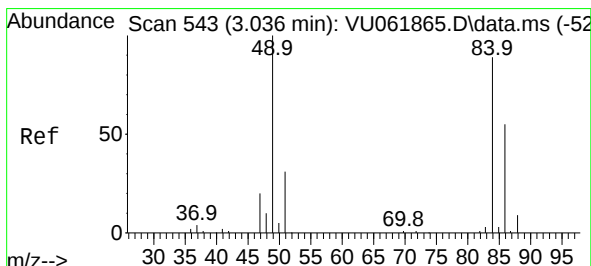
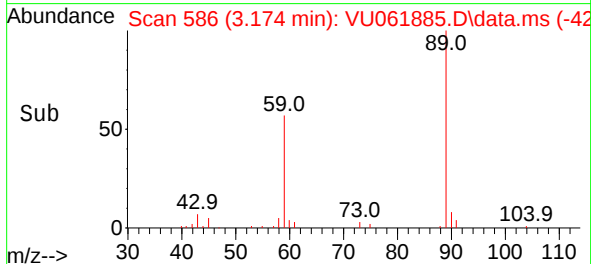
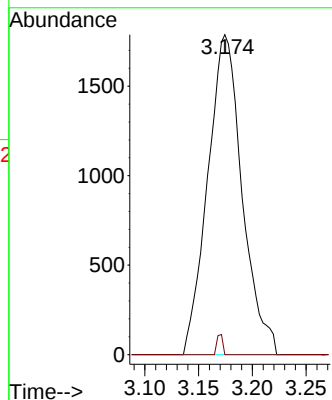
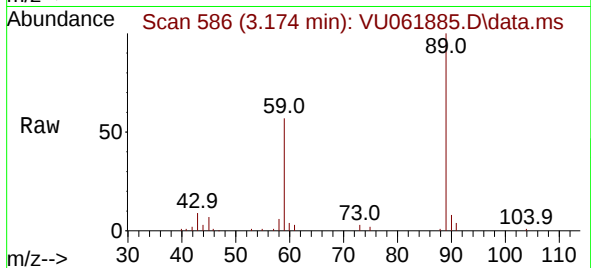
ClientSampleId :

Tgt Ion: 43 Resp: 3980

Ion Ratio Lower Upper

43 100

74 1.1 19.4 29.2#



#16

Methylene chloride

Concen: 0.773 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

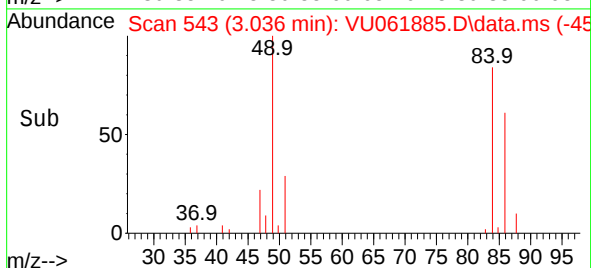
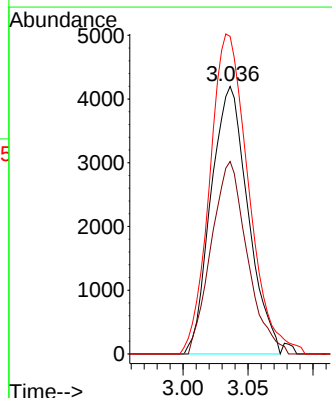
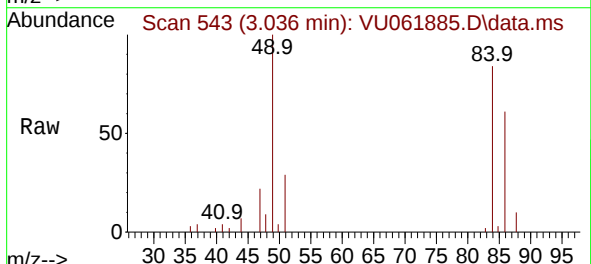
Tgt Ion: 84 Resp: 8313

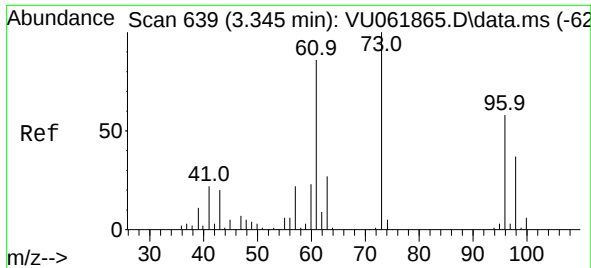
Ion Ratio Lower Upper

84 100

86 71.9 43.5 80.7

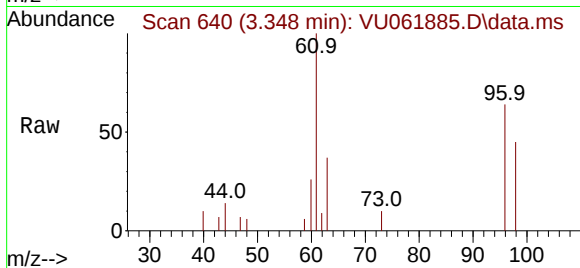
49 123.4 81.9 152.1





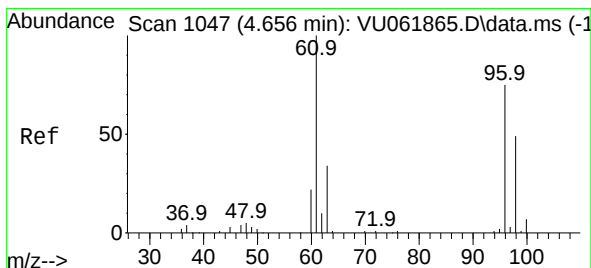
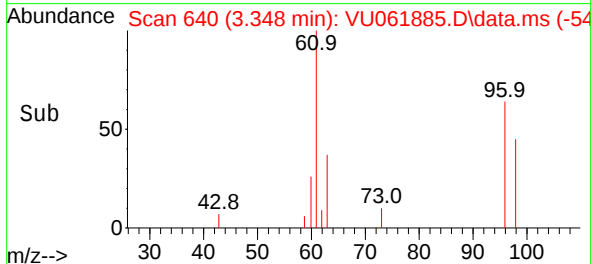
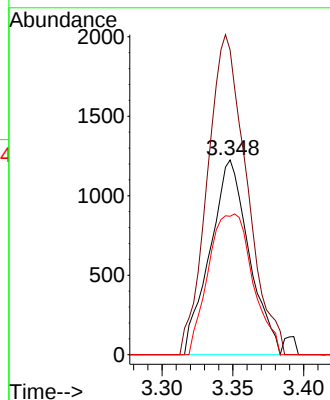
#18  
trans-1,2-Dichloroethene  
Concen: 0.247 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 96 Resp: 2343

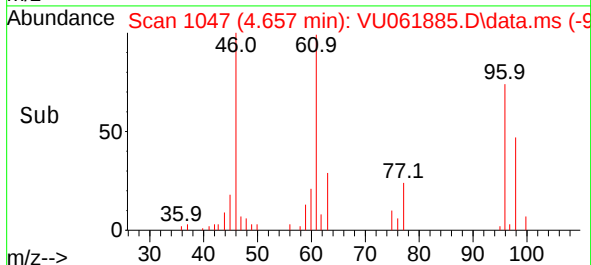
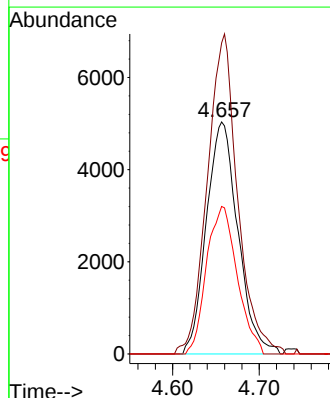
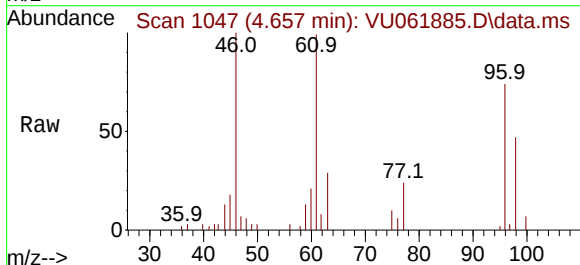
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 156.4 | 104.2 | 193.4 |
| 98  | 71.1  | 45.7  | 84.9  |

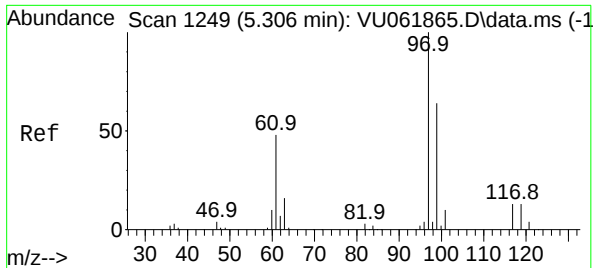


#22  
cis-1,2-Dichloroethene  
Concen: 1.196 ug/L  
RT: 4.657 min Scan# 1047  
Delta R.T. 0.000 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

Tgt Ion: 96 Resp: 12748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 134.0 | 92.0  | 170.8 |
| 98  | 63.6  | 44.5  | 82.7  |

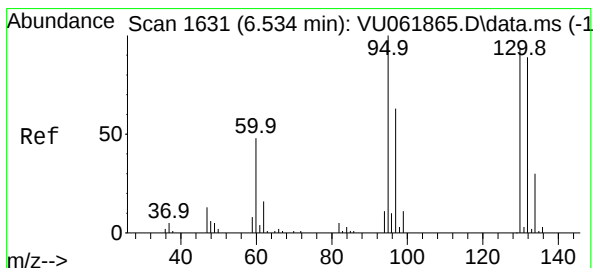
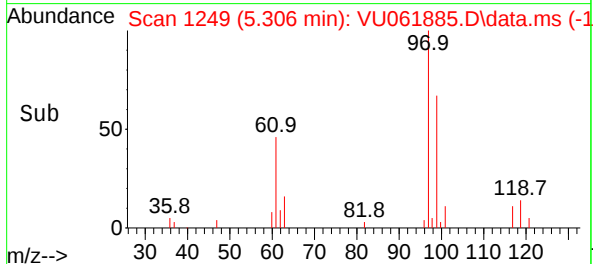
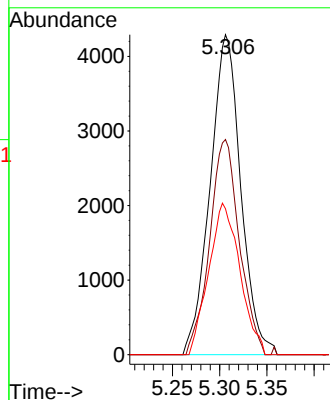
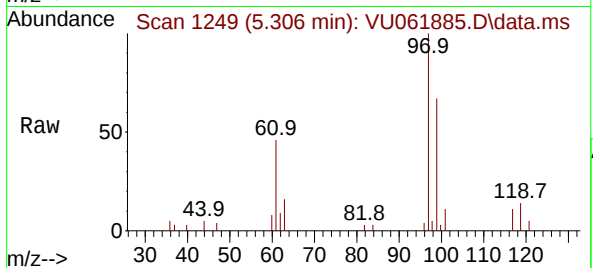




#29  
1,1,1-Trichloroethane  
Concen: 0.626 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. 0.000 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

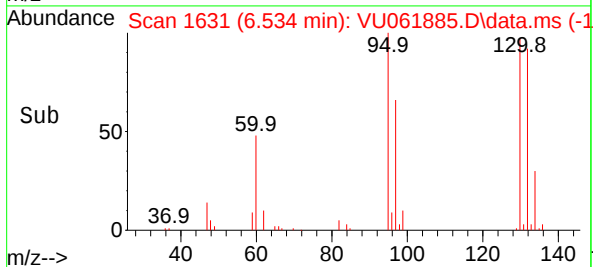
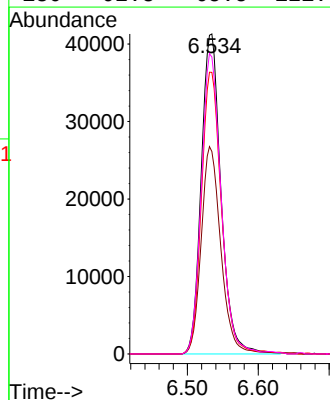
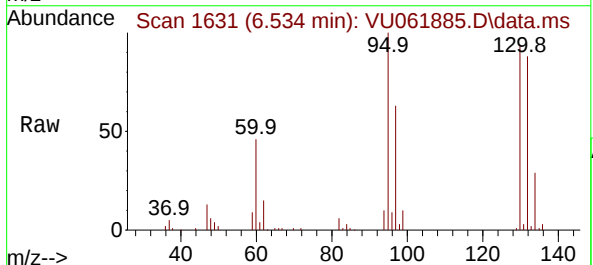
Instrument :  
MSVOA\_U  
ClientSampleId :

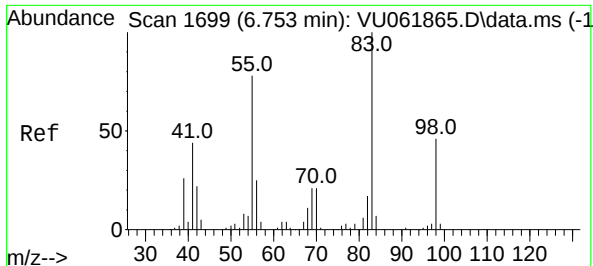
Tgt Ion: 97 Resp: 9678  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.4 77.2  
61 48.2 37.8 56.6



#34  
Trichloroethene  
Concen: 7.403 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

Tgt Ion: 95 Resp: 80095  
Ion Ratio Lower Upper  
95 100  
97 63.2 45.9 85.3  
132 88.0 63.8 118.4  
130 92.8 65.5 121.7





#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU061885.D

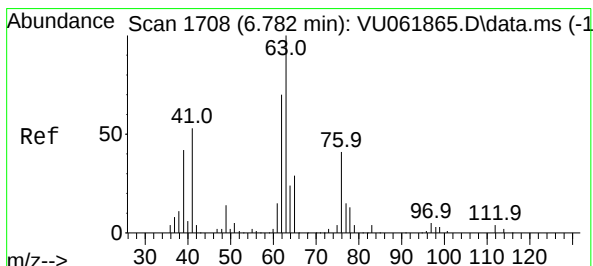
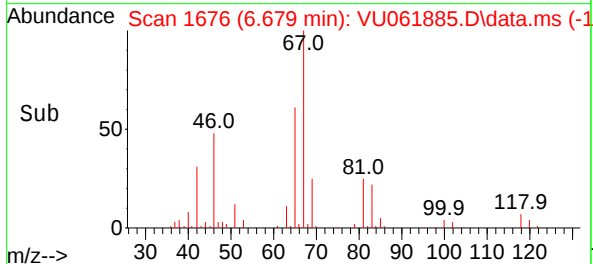
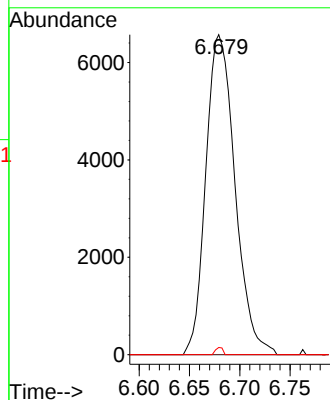
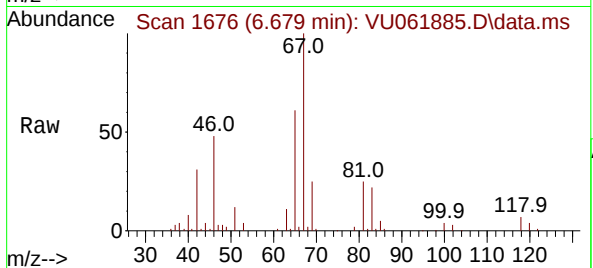
Acq: 20 Nov 2024 23:04

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 13282    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 0.0 60.7 91.1# |
| 98          | 0.0 34.8 52.2# |



#37

1,2-Dichloropropane

Concen: 0.597 ug/L

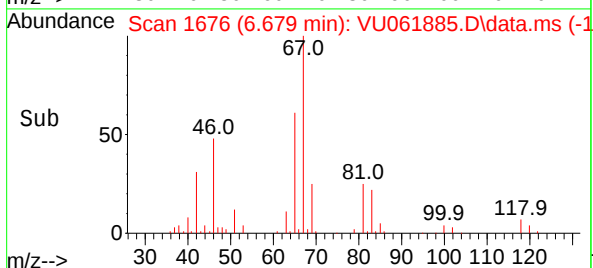
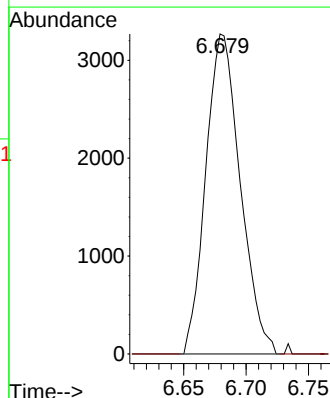
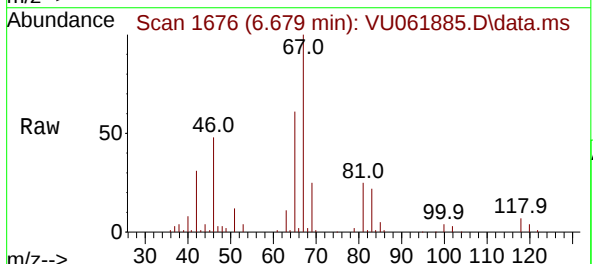
RT: 6.679 min Scan# 1676

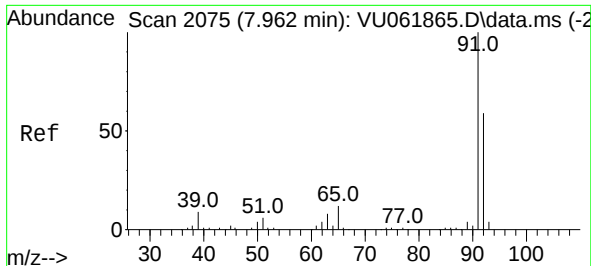
Delta R.T. -0.103 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 6292   |
| Ion Ratio   | Lower Upper  |
| 63          | 100          |
| 112         | 0.0 3.4 5.0# |





#42

Toluene

Concen: 0.190 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

Instrument :

MSVOA\_U

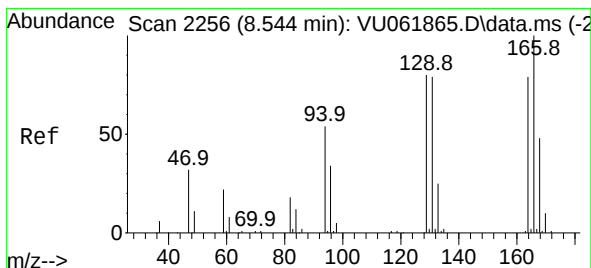
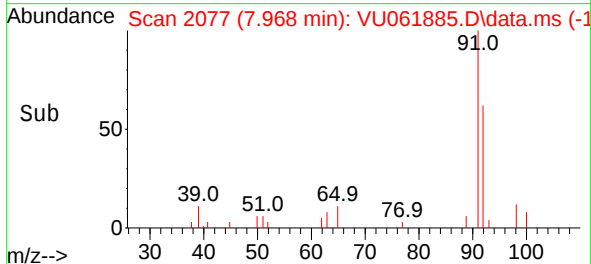
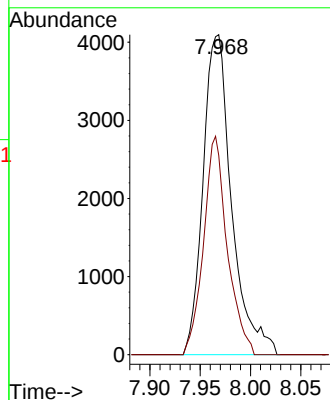
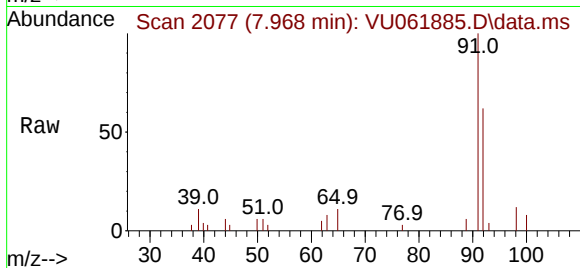
ClientSampleId :

Tgt Ion: 91 Resp: 8083

Ion Ratio Lower Upper

91 100

92 62.2 39.0 72.4



#47

Tetrachloroethene

Concen: 1.773 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

Tgt Ion: 164 Resp: 13950

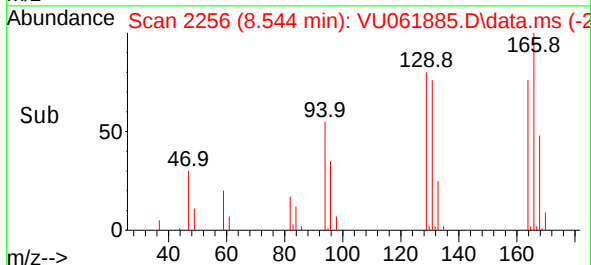
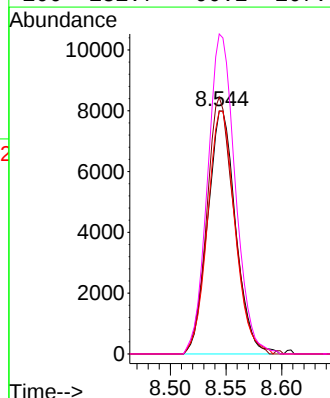
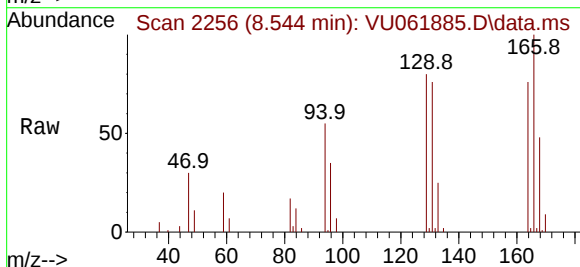
Ion Ratio Lower Upper

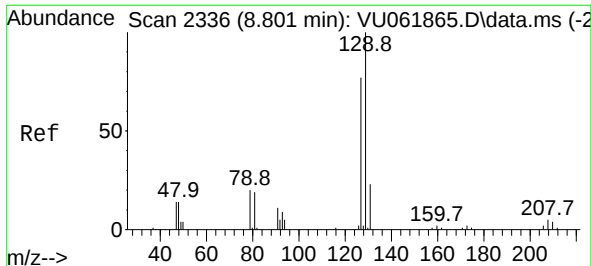
164 100

129 105.7 73.2 136.0

131 100.0 72.3 134.3

166 131.7 90.2 167.4





#49

Dibromochloromethane

Concen: 1.755 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

Instrument :

MSVOA\_U

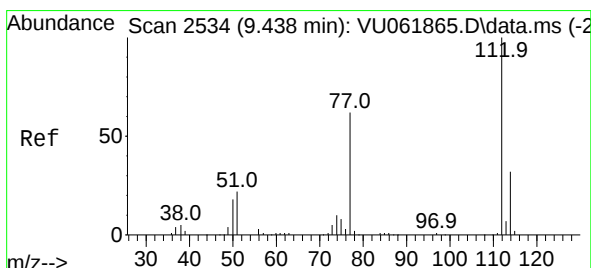
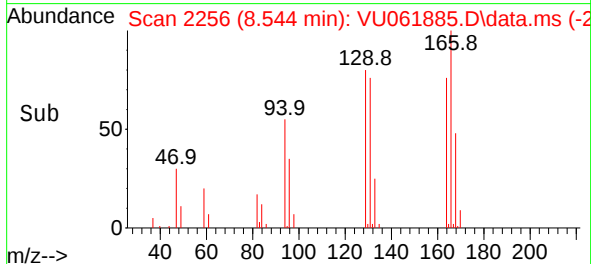
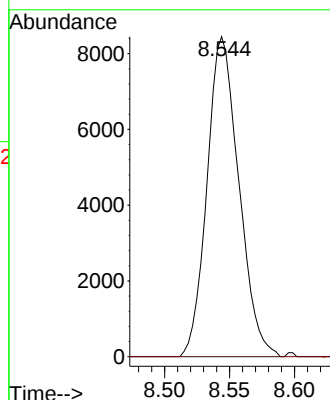
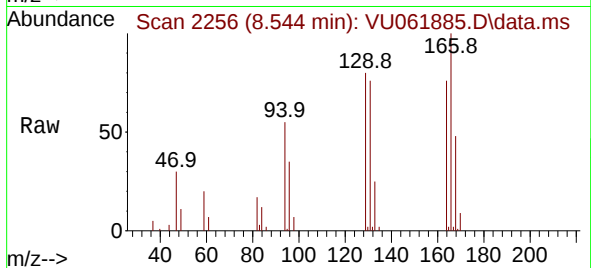
ClientSampleId :

Tgt Ion:129 Resp: 14387

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#51

Chlorobenzene

Concen: 0.219 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061885.D

Acq: 20 Nov 2024 23:04

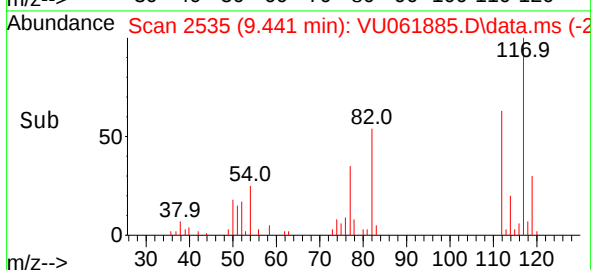
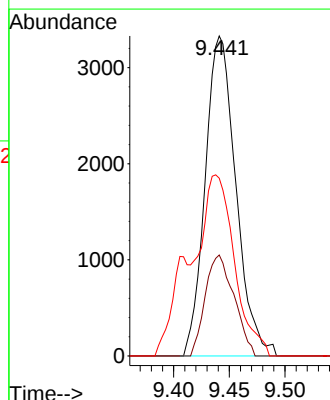
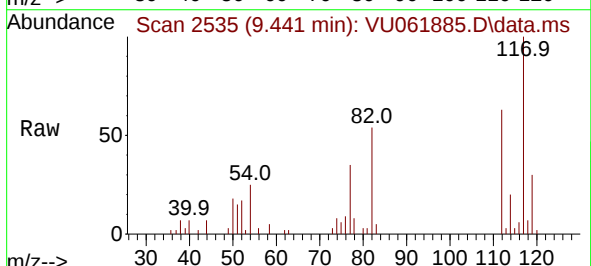
Tgt Ion:112 Resp: 6393

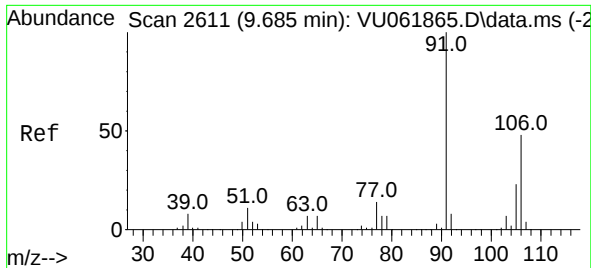
Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 55.6 50.5 75.7

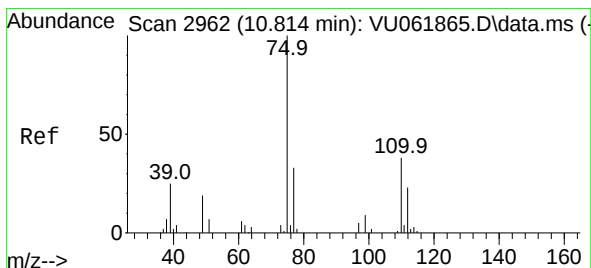
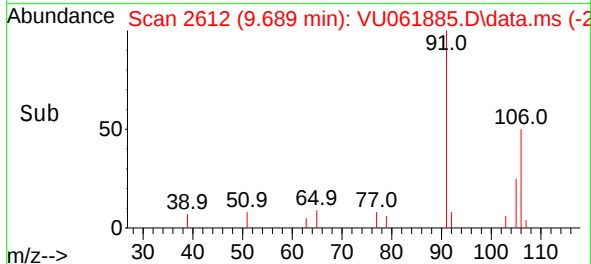
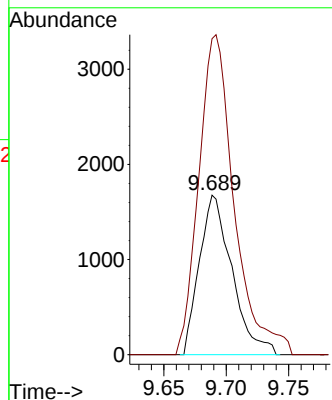
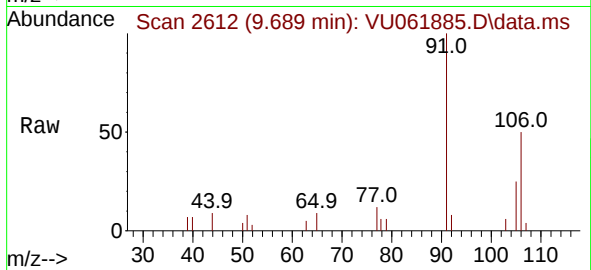




#53  
m,p-Xylene  
Concen: 0.170 ug/L  
RT: 9.689 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

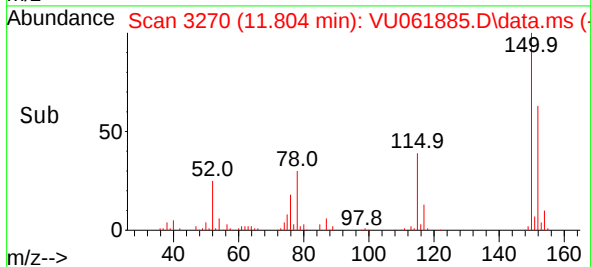
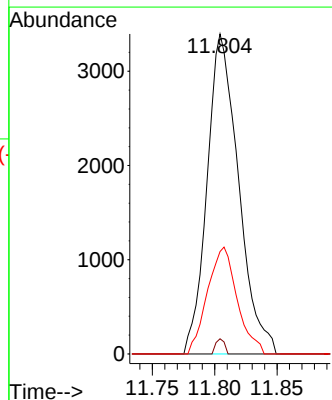
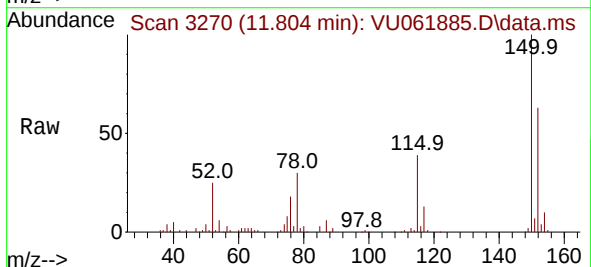
Instrument :  
MSVOA\_U  
ClientSampleId :

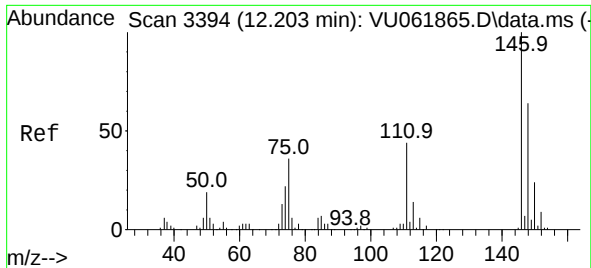
Tgt Ion:106 Resp: 3054  
Ion Ratio Lower Upper  
106 100  
91 198.1 147.6 274.0



#61  
1,2,3-Trichloropropane  
Concen: 1.155 ug/L  
RT: 11.804 min Scan# 3270  
Delta R.T. 0.990 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

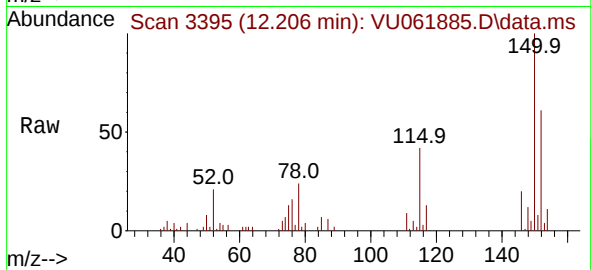
Tgt Ion: 75 Resp: 5961  
Ion Ratio Lower Upper  
75 100  
110 1.3 28.9 43.3#  
77 31.6 26.5 39.7





#67  
1,2-Dichlorobenzene  
Concen: 0.244 ug/L  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.003 min  
Lab File: VU061885.D  
Acq: 20 Nov 2024 23:04

Instrument :  
MSVOA\_U  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 3278  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 46.7  | 36.0  | 54.0  |
| 148      | 61.8  | 52.3  | 78.5  |

