

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070324\  
 Data File : VU059807.D  
 Acq On : 03 Jul 2024 19:18  
 Operator : MD/SY  
 Sample : P3136-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 04 02:11:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jul 04 02:08:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 153578   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 159390   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 78445    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 47352    | 4.434    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 41849    | 4.073    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 18962    | 4.280    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 106266   | 48.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.620%  |
| 24) Chloroform-d              | 5.055  | 84    | 87992    | 4.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 45191    | 4.280    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 178868   | 4.078    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 57650    | 4.289    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 161228   | 3.954    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.000%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 20232    | 4.807    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 88560    | 50.638   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 51875    | 4.671    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 63698    | 4.562    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.589  | 43    | 79678    | 55.839   | ug/L   | 52       |
| 15) Methyl Acetate            | 2.959  | 43    | 968      | 0.257    | ug/L # | 51       |
| 16) Methylene chloride        | 3.036  | 84    | 3927     | 0.304    | ug/L # | 62       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 7148     | 0.305    | ug/L # | 50       |
| 30) Cyclohexane               | 5.457  | 56    | 6381     | 0.393    | ug/L # | 24       |
| 33) Benzene                   | 5.769  | 78    | 39056    | 0.807    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.685  | 83    | 14568    | 0.781    | ug/L # | 23       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 5982     | 0.478    | ug/L # | 90       |
| 45) 1,1,2-Trichloroethane     | 8.357  | 97    | 1278     | 0.138    | ug/L # | 21       |
| 49) Dibromochloromethane      | 8.550  | 129   | 3073     | 0.301    | ug/L # | 12       |
| 54) o-Xylene                  | 10.100 | 106   | 3005     | 0.157    | ug/L   | 78       |
| 60) Isopropylbenzene          | 10.479 | 105   | 61919    | 1.278    | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.891 | 105   | 13969    | 0.364    | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105   | 2885     | 0.079    | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 12.962 | 75    | 238      | 0.168    | ug/L # | 6        |
| 71) Naphthalene               | 14.081 | 128   | 103659   | 5.175    | ug/L   | 98       |

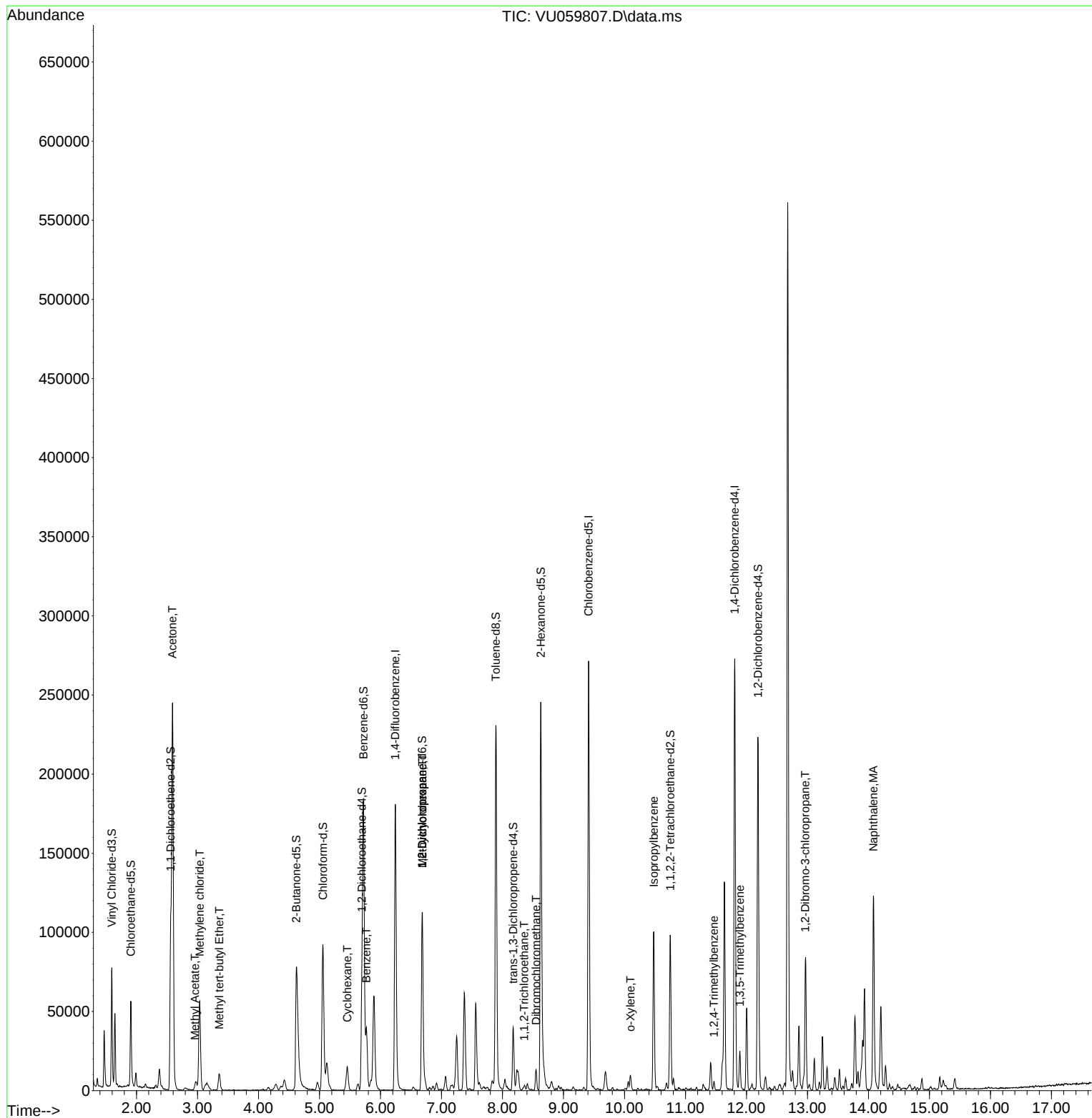
(#) = qualifier out of range (m) = manual integration (+) = signals summed

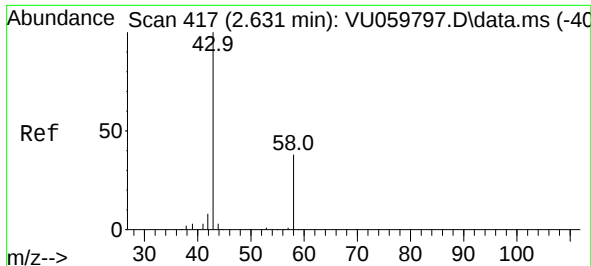
Instrument :  
MSVOA\_U  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070324\  
Data File : VU059807.D  
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Operator : MD/SY  
Sample : P3136-03  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jul 04 02:11:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jul 04 02:08:13 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 55.839 ug/L

RT: 2.589 min Scan# 404

Delta R.T. -0.042 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

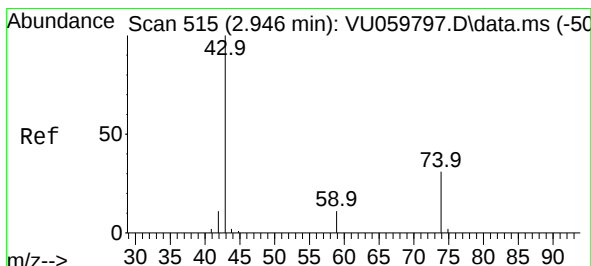
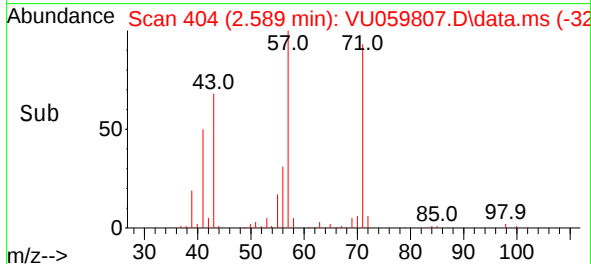
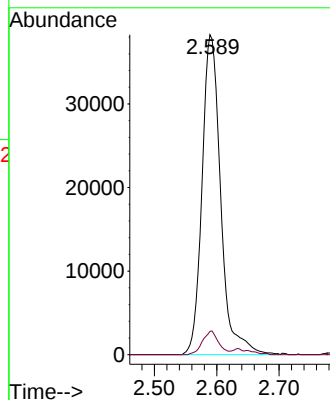
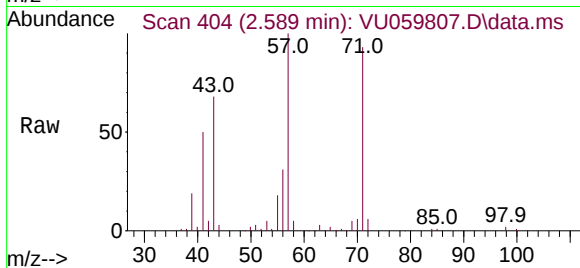
ClientSampleId :

Tgt Ion: 43 Resp: 79678

Ion Ratio Lower Upper

43 100

58 6.5 0.0 68.0



#15

Methyl Acetate

Concen: 0.257 ug/L

RT: 2.959 min Scan# 519

Delta R.T. 0.013 min

Lab File: VU059807.D

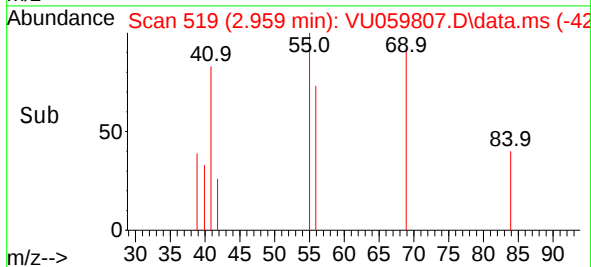
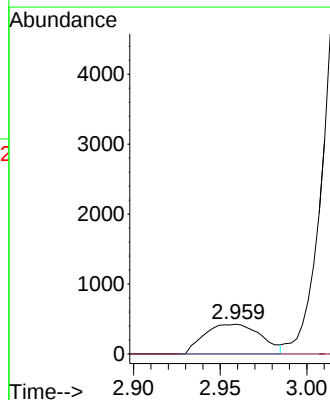
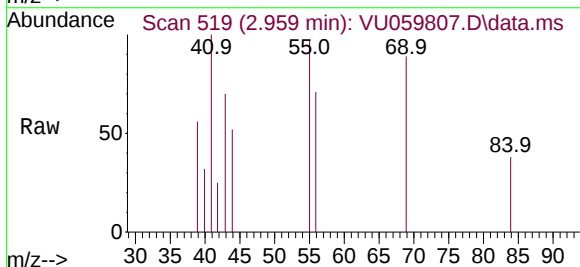
Acq: 03 Jul 2024 19:18

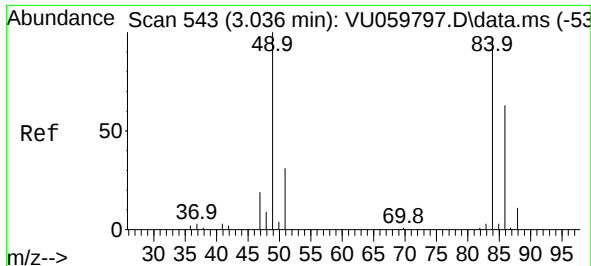
Tgt Ion: 43 Resp: 968

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#16

Methylene chloride

Concen: 0.304 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

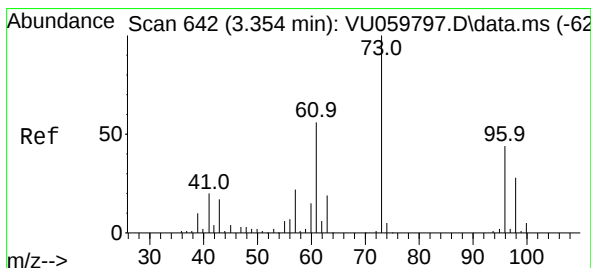
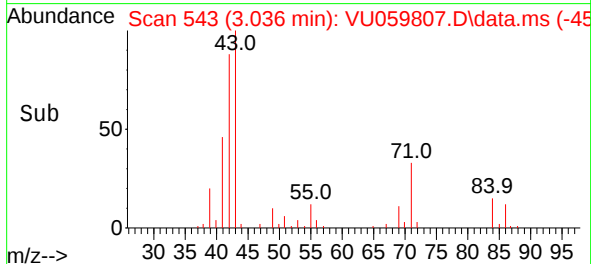
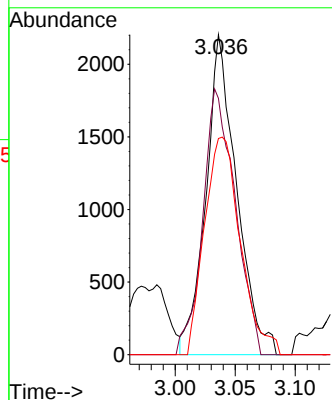
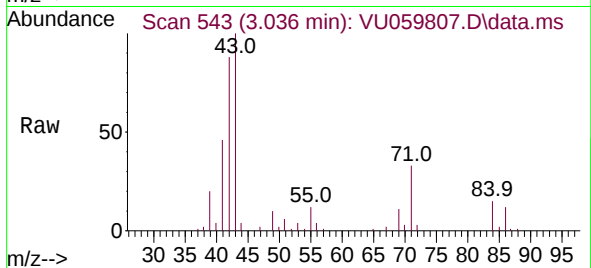
Tgt Ion: 84 Resp: 3927

Ion Ratio Lower Upper

84 100

86 80.1 42.1 78.1#

49 67.6 80.6 149.8#



#17

Methyl tert-butyl Ether

Concen: 0.305 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

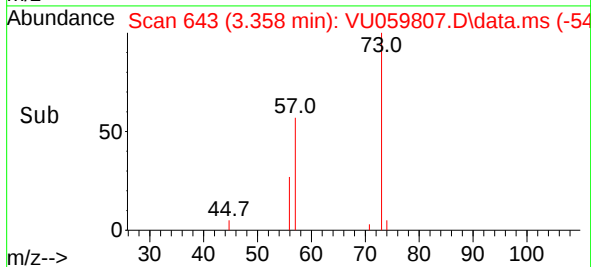
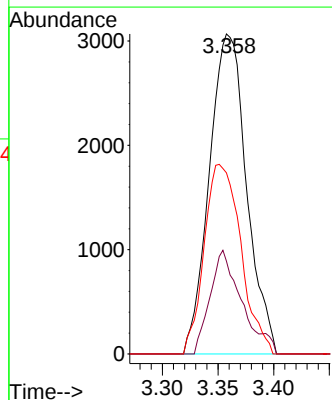
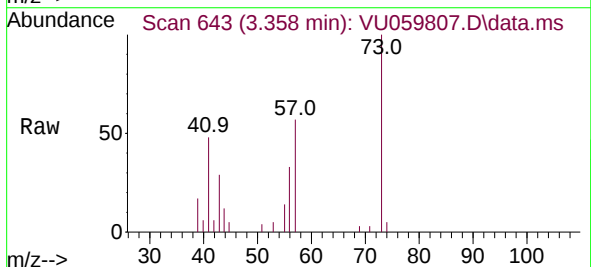
Tgt Ion: 73 Resp: 7148

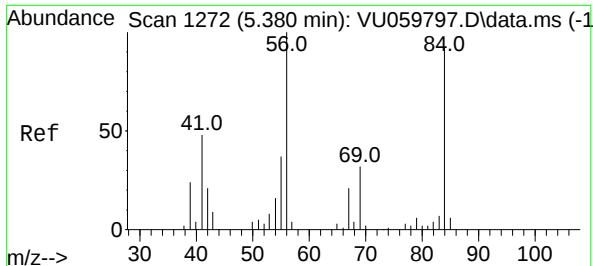
Ion Ratio Lower Upper

73 100

43 27.5 14.9 22.3#

57 58.3 18.0 27.0#



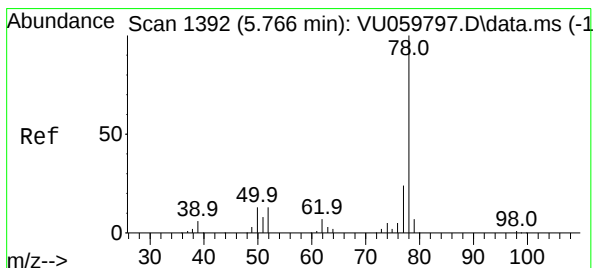
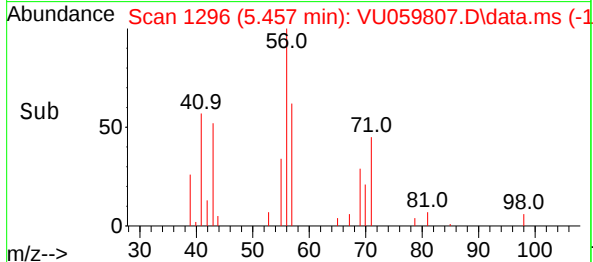
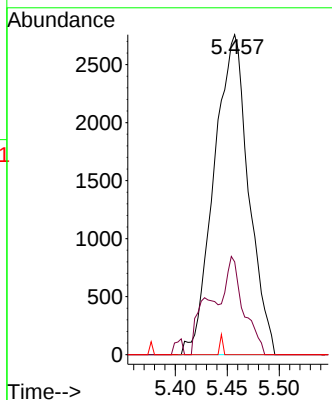
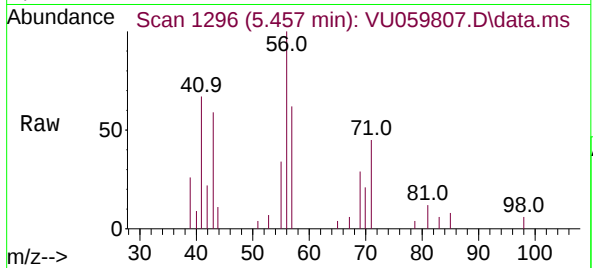


#30  
Cyclohexane  
Concen: 0.393 ug/L  
RT: 5.457 min Scan# 1296  
Delta R.T. 0.077 min  
Lab File: VU059807.D  
Acq: 03 Jul 2024 19:18

Instrument :  
MSVOA\_U  
ClientSampleId :

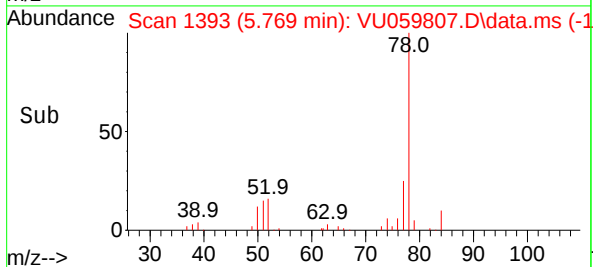
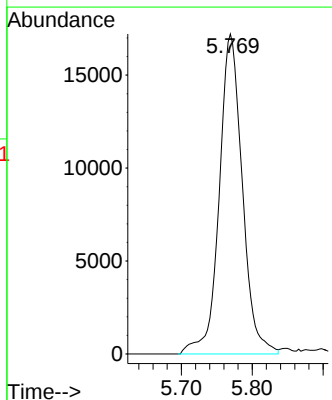
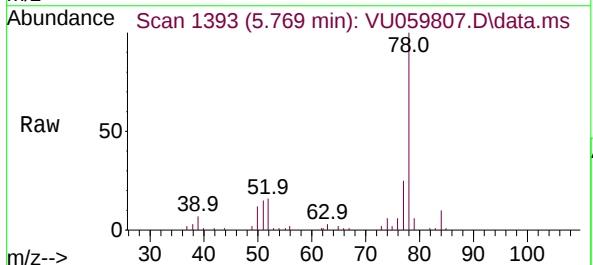
Tgt Ion: 56 Resp: 6381

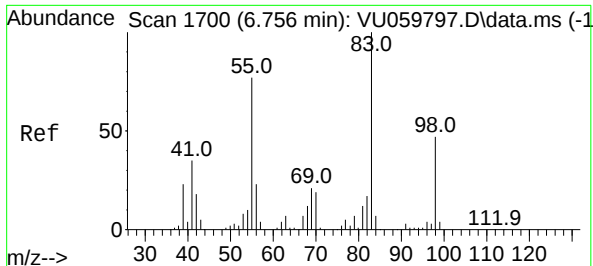
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 17.4  | 24.8  | 37.2#  |
| 84  | 0.0   | 69.8  | 104.8# |



#33  
Benzene  
Concen: 0.807 ug/L  
RT: 5.769 min Scan# 1393  
Delta R.T. 0.003 min  
Lab File: VU059807.D  
Acq: 03 Jul 2024 19:18

Tgt Ion: 78 Resp: 39056





#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU059807.D

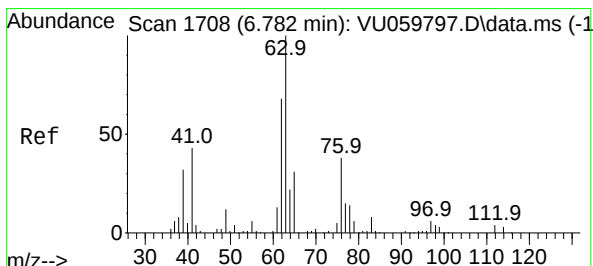
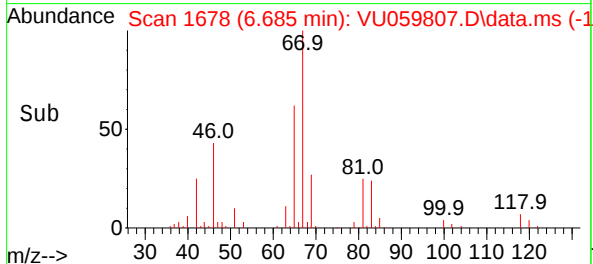
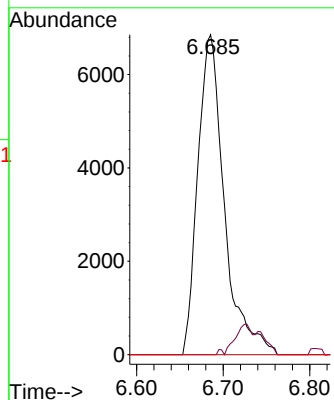
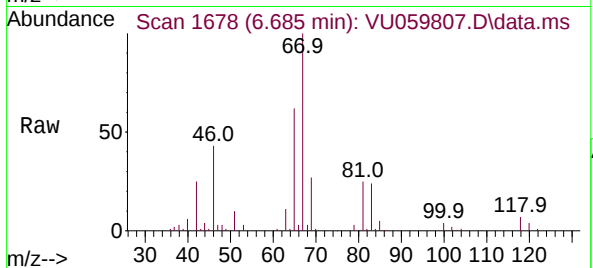
Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 14568 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 6.6   | 62.7  | 94.1# |
| 98        | 0.0   | 35.4  | 53.0# |



#37

1,2-Dichloropropane

Concen: 0.478 ug/L

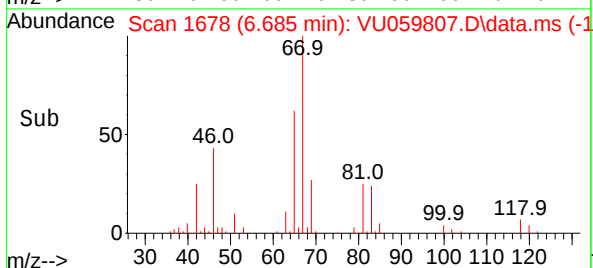
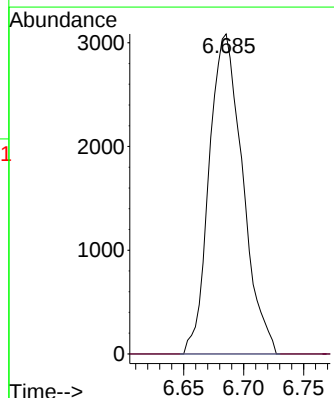
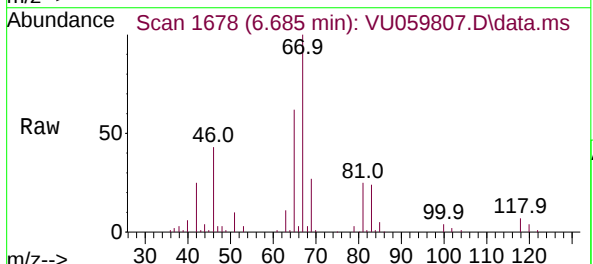
RT: 6.685 min Scan# 1678

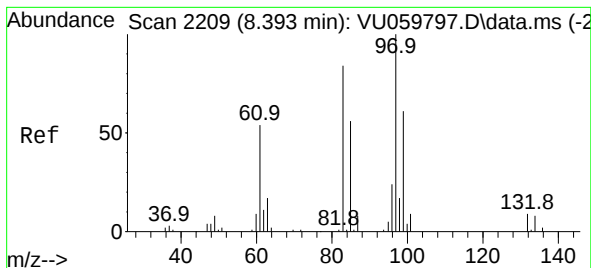
Delta R.T. -0.097 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 5982 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 112       | 0.0   | 2.6   | 3.8# |





#45

1,1,2-Trichloroethane

Concen: 0.138 ug/L

RT: 8.357 min Scan# 2198

Delta R.T. -0.035 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 1278

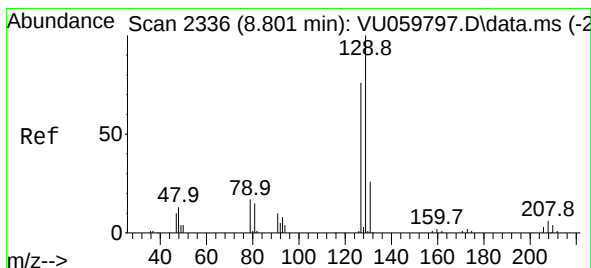
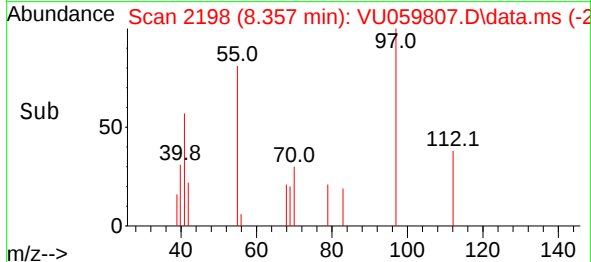
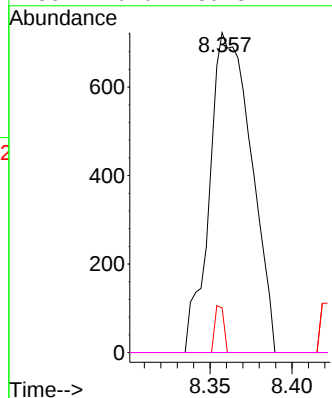
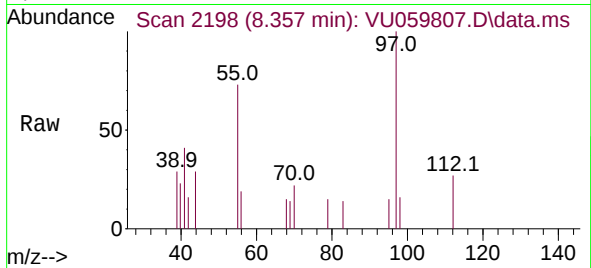
Ion Ratio Lower Upper

97 100

99 0.0 43.3 80.3#

83 14.0 62.3 115.7#

85 0.0 39.8 74.0#



#49

Dibromochloromethane

Concen: 0.301 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.251 min

Lab File: VU059807.D

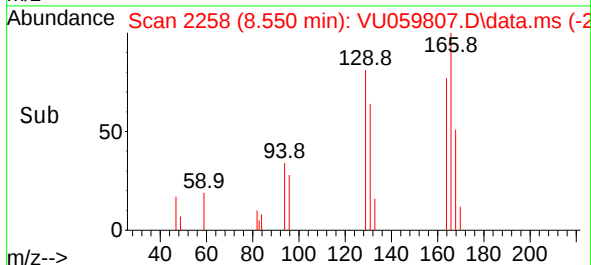
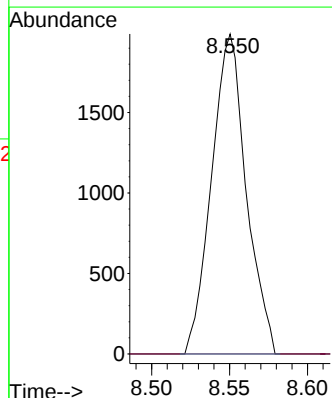
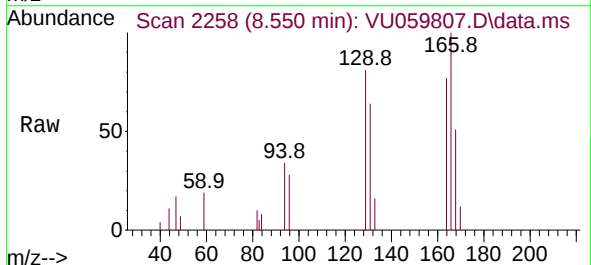
Acq: 03 Jul 2024 19:18

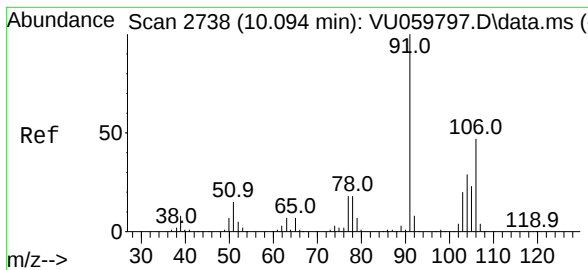
Tgt Ion: 129 Resp: 3073

Ion Ratio Lower Upper

129 100

127 0.0 52.5 97.5#

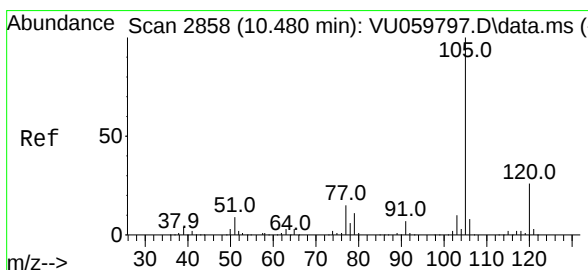
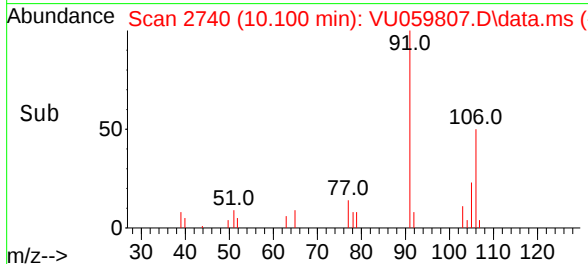
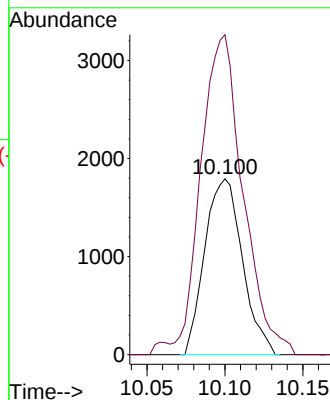
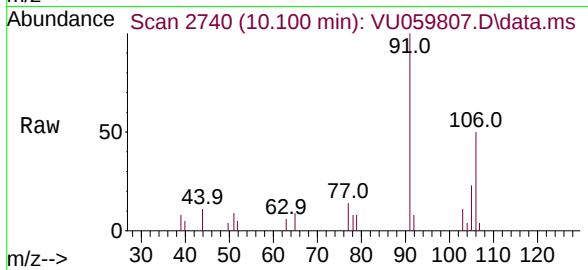




#54  
o-Xylene  
Concen: 0.157 ug/L  
RT: 10.100 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU059807.D  
Acq: 03 Jul 2024 19:18

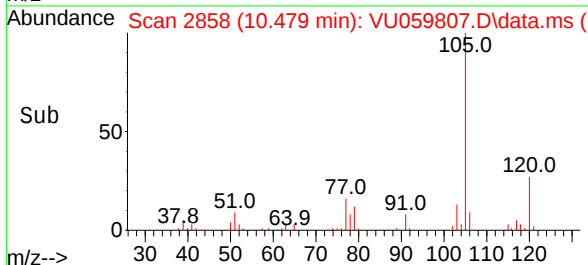
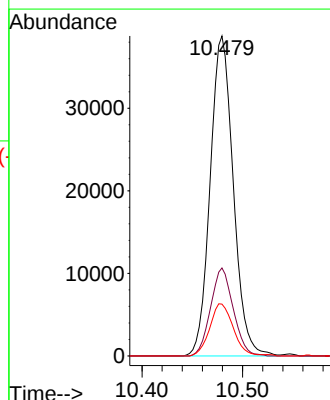
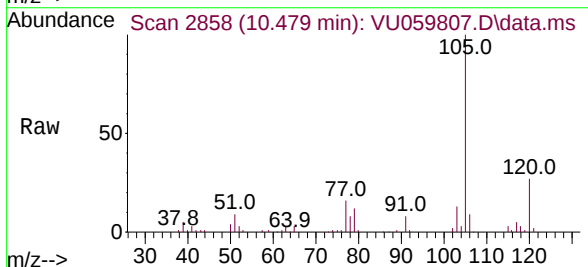
Instrument :  
MSVOA\_U  
ClientSampleId :

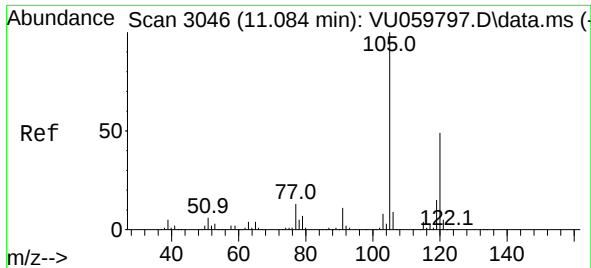
Tgt Ion:106 Resp: 3005  
Ion Ratio Lower Upper  
106 100  
91 182.0 151.6 281.6



#60  
Isopropylbenzene  
Concen: 1.278 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. -0.000 min  
Lab File: VU059807.D  
Acq: 03 Jul 2024 19:18

Tgt Ion:105 Resp: 61919  
Ion Ratio Lower Upper  
105 100  
120 26.9 20.6 31.0  
77 16.5 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 0.364 ug/L

RT: 11.891 min Scan# 3165

Delta R.T. 0.807 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

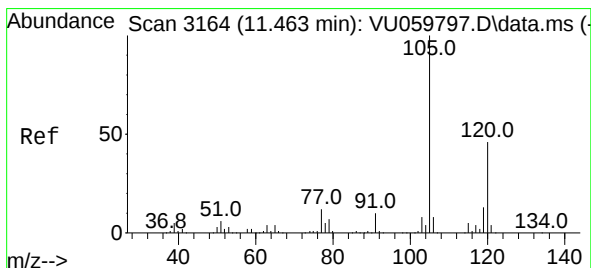
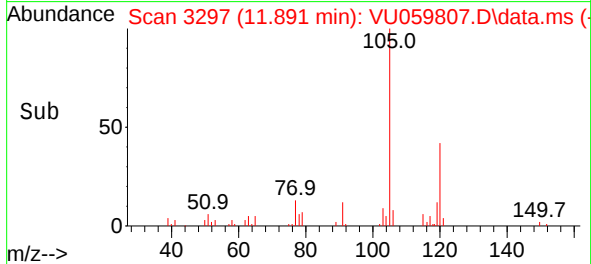
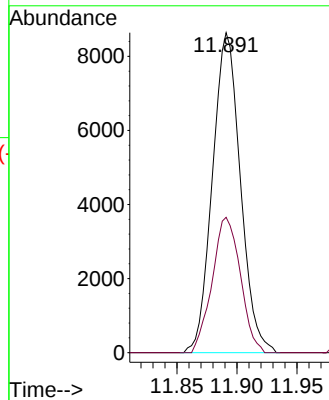
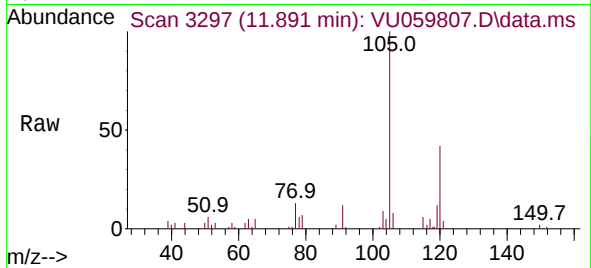
ClientSampleId :

Tgt Ion:105 Resp: 13969

Ion Ratio Lower Upper

105 100

120 42.6 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 0.079 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059807.D

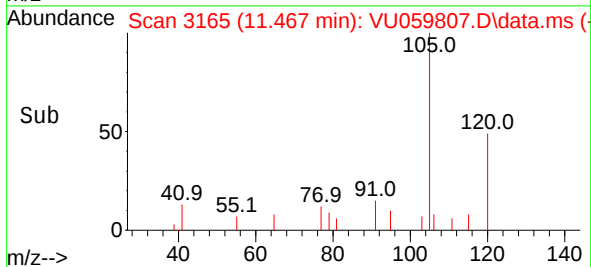
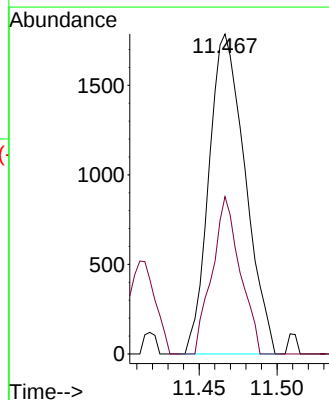
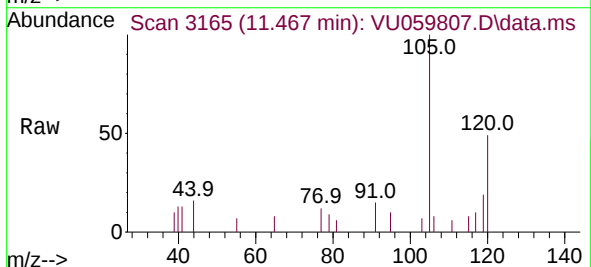
Acq: 03 Jul 2024 19:18

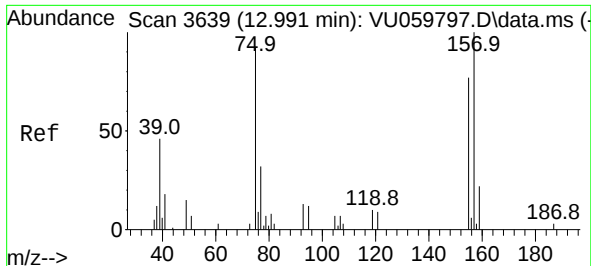
Tgt Ion:105 Resp: 2885

Ion Ratio Lower Upper

105 100

120 37.9 35.4 53.0





#68

1,2-Dibromo-3-chloropropane

Concen: 0.168 ug/L

RT: 12.962 min Scan# 3630

Delta R.T. -0.029 min

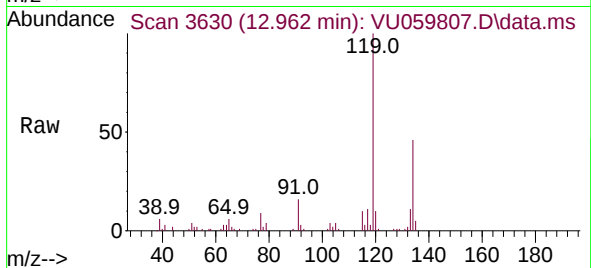
Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :



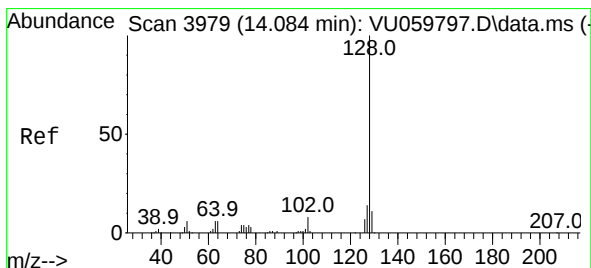
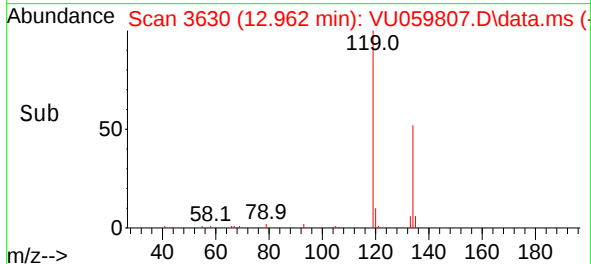
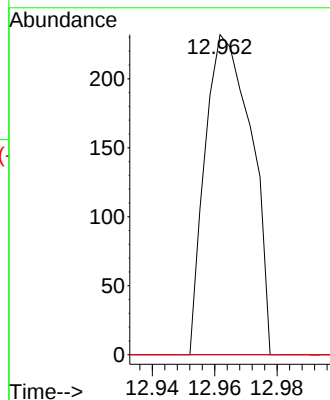
Tgt Ion: 75 Resp: 238

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

157 0.0 80.0 120.0#



#71

Naphthalene

Concen: 5.175 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU059807.D

Acq: 03 Jul 2024 19:18

Tgt Ion: 128 Resp: 103659

Ion Ratio Lower Upper

128 100

129 11.3 8.2 12.4

127 13.5 10.2 15.4

