

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\  
 Data File : VU039790.D  
 Acq On : 07 Aug 2020 17:19  
 Operator : SY/MD  
 Sample : L3572-06DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 08 03:34:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 08 03:30:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 70950    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 69501    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 31486    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 13962    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 15940    | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 19810    | 2.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 51.40%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 82424    | 48.91    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.82%  |
| 24) Chloroform-d               | 5.08   | 84    | 41150    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 26144    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 32) Benzene-d6                 | 5.75   | 84    | 69779    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 24901    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 50127    | 3.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.40%# |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 8564     | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 57740    | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 25027    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 26248    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.40%  |

## Target Compounds

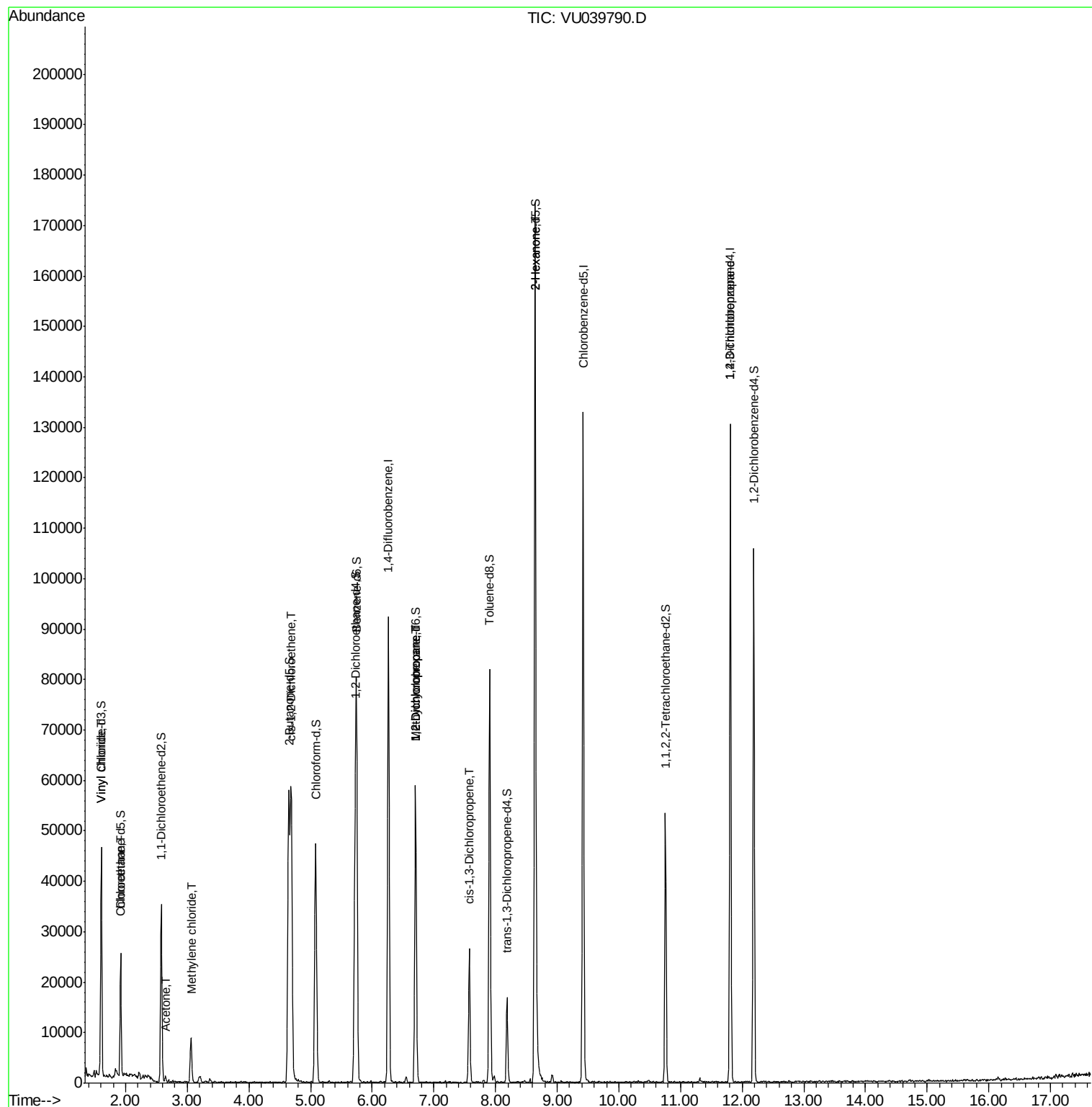
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 5) Vinyl chloride           | 1.61  | 62   | 16866    | 2.924 | ug/L   | 99     |
| 8) Chloroethane             | 1.93  | 64   | 727      | 0.172 | ug/L # | 43     |
| 13) Acetone                 | 2.65  | 43   | 1362     | 1.371 | ug/L   | 66     |
| 16) Methylene chloride      | 3.06  | 84   | 4064     | 0.596 | ug/L   | 89     |
| 22) cis-1,2-Dichloroethene  | 4.69  | 96   | 26463    | 5.164 | ug/L   | 92     |
| 35) Methylcyclohexane       | 6.70  | 83   | 5988     | 0.763 | ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.70  | 63   | 3028     | 0.602 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.58  | 75   | 736      | 0.107 | ug/L # | 67     |
| 48) 2-Hexanone              | 8.64  | 43   | 8788     | 3.238 | ug/L # | 71     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75   | 4210     | 1.160 | ug/L   | 93     |

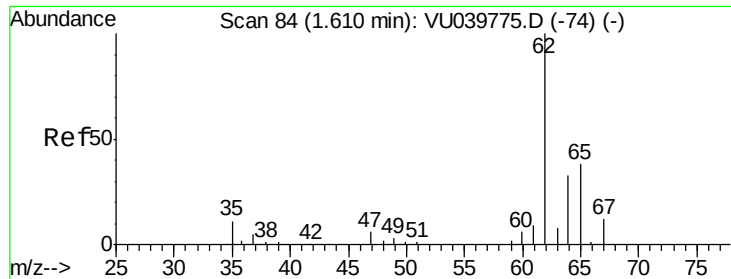
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L3572-06DL 5X  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 08 03:34:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 08 03:30:58 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.924 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039790.D

Acq: 07 Aug 2020 17:19

Instrument :

MSVOA\_U

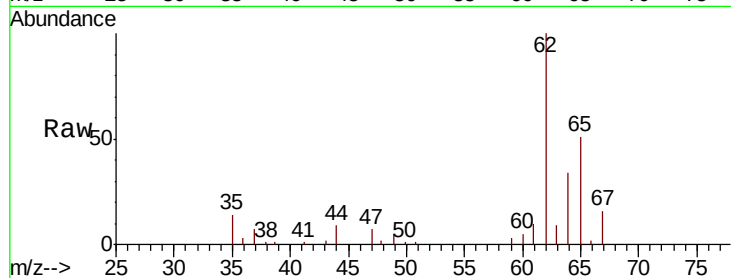
ClientSampleId :

Tot Ion: 62 Resp: 16866

Ion Ratio Lower Upper

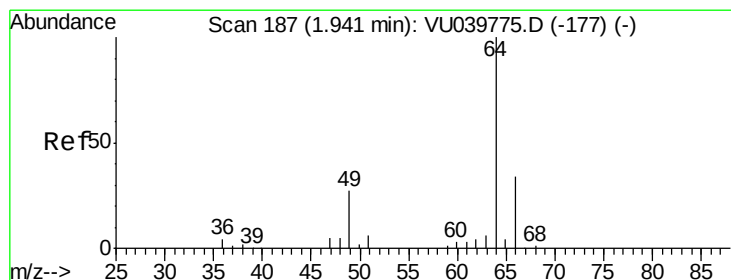
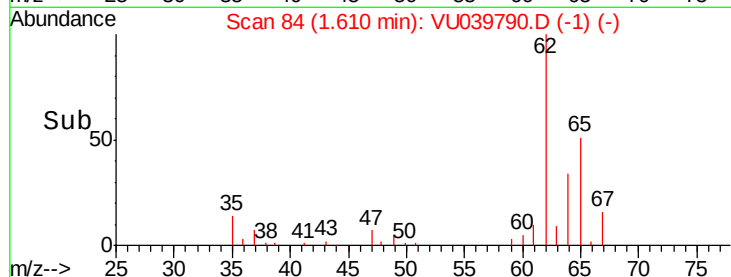
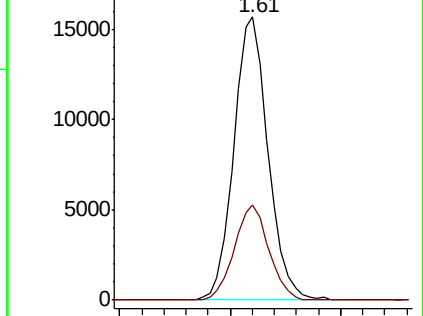
62 100

64 33.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039775.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU039790.D (-94) (-)



#8

Chloroethane

Concen: 0.172 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU039790.D

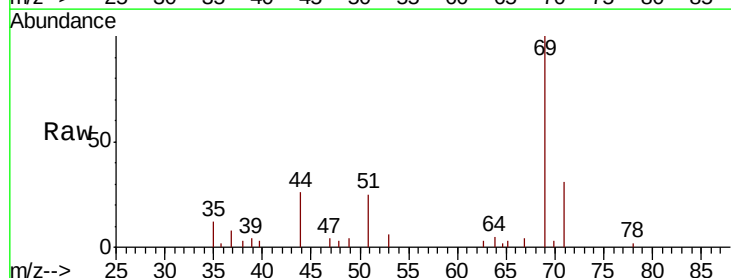
Acq: 07 Aug 2020 17:19

Tgt Ion: 64 Resp: 727

Ion Ratio Lower Upper

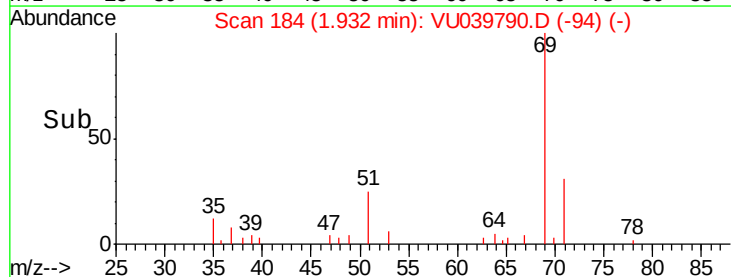
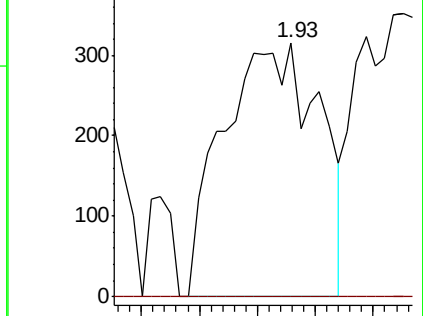
64 100

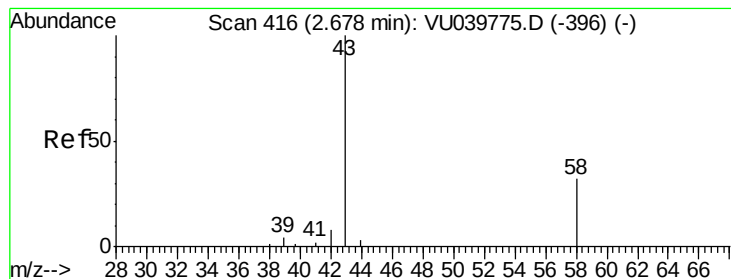
66 0.0 22.3 41.3#



Abundance Ion 64.10 (63.80 to 64.80): VU039775.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039790.D (-94) (-)





#13

Acetone

Concen: 1.371 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.03 min

Lab File: VU039790.D

Acq: 07 Aug 2020 17:19

Instrument :

MSVOA\_U

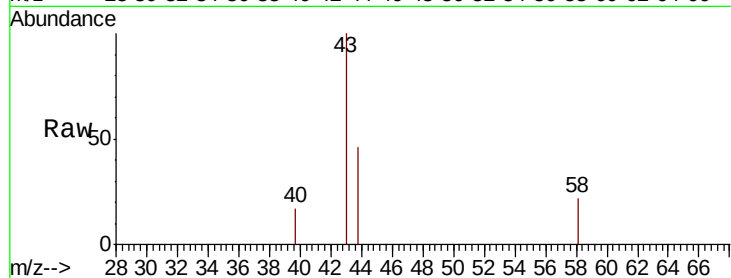
ClientSampleId :

Tot Ion: 43 Resp: 1362

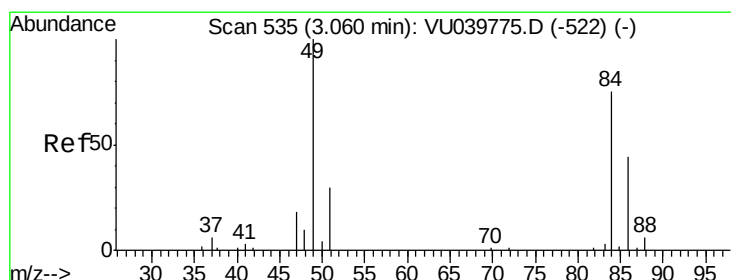
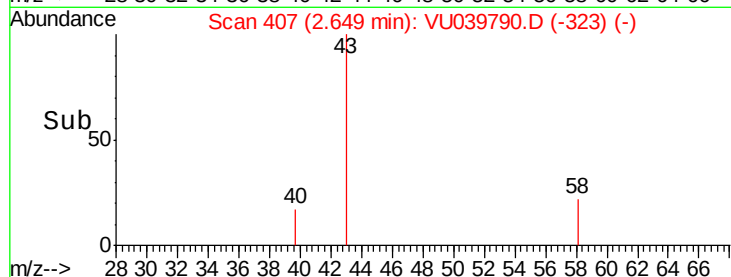
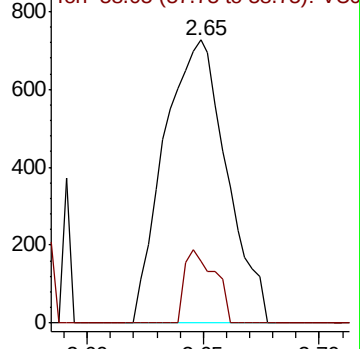
Ion Ratio Lower Upper

43 100

58 12.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039775.D (-396) (-)



#16

Methylene chloride

Concen: 0.596 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039790.D

Acq: 07 Aug 2020 17:19

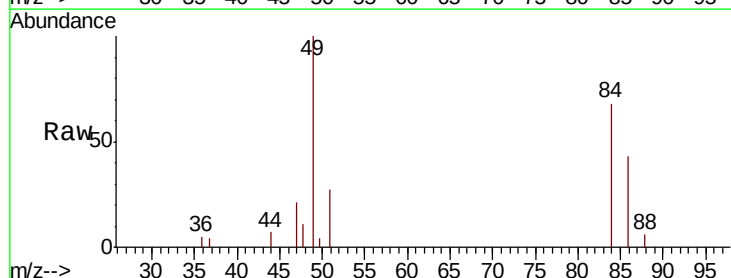
Tgt Ion: 84 Resp: 4064

Ion Ratio Lower Upper

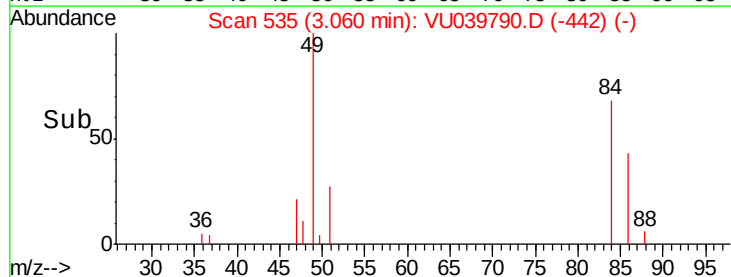
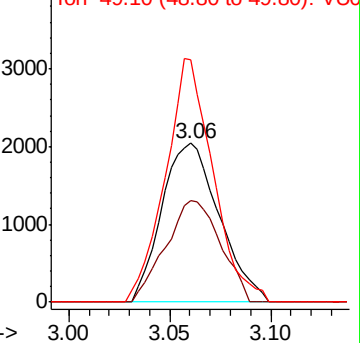
84 100

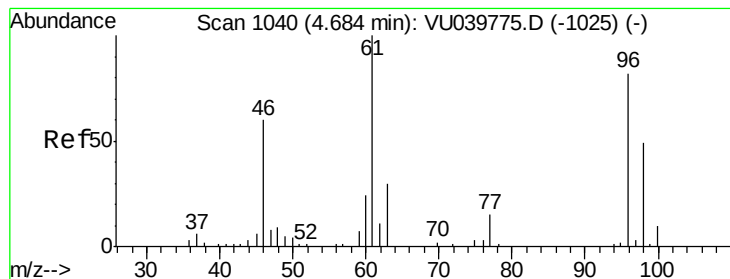
86 63.9 43.9 81.5

49 152.4 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VU039775.D (-522) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.164 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039790.D

Acq: 07 Aug 2020 17:19

Instrument :

MSVOA\_U

ClientSampleId :

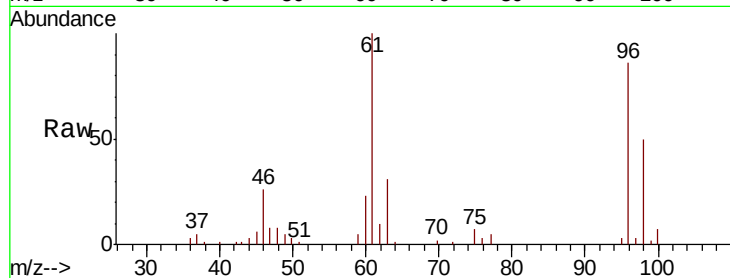
Tot Ion: 96 Resp: 26463

Ion Ratio Lower Upper

96 100

61 116.2 87.4 162.2

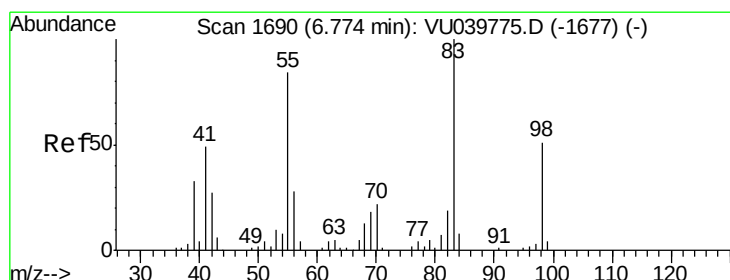
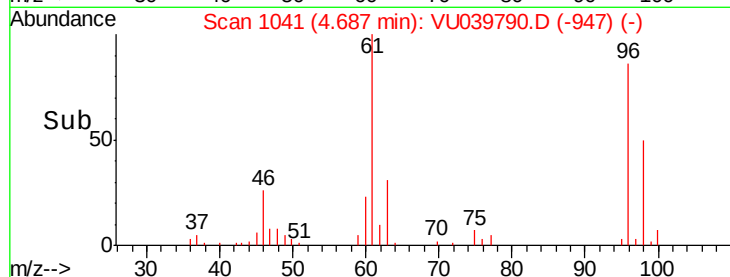
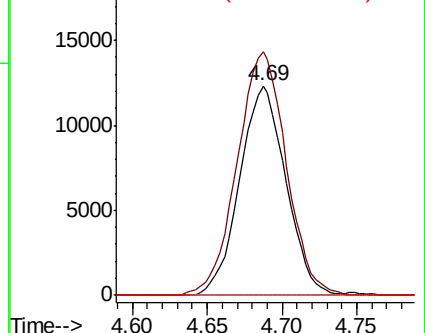
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039790.D (-1597) (-)

Ion 61.05 (60.75 to 61.75): VU039790.D (-1597) (-)

Ion 68.15 (67.85 to 68.85): VU039790.D (-1597) (-)



#35

Methylcyclohexane

Concen: 0.763 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039790.D

Acq: 07 Aug 2020 17:19

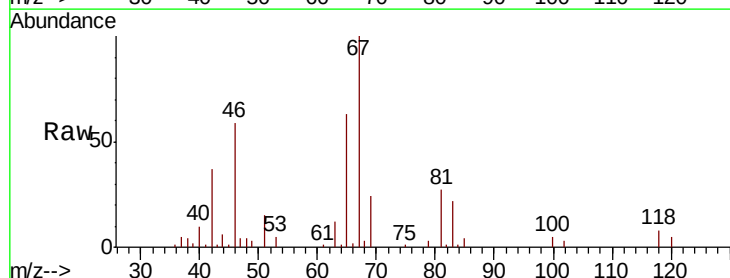
Tgt Ion: 83 Resp: 5988

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

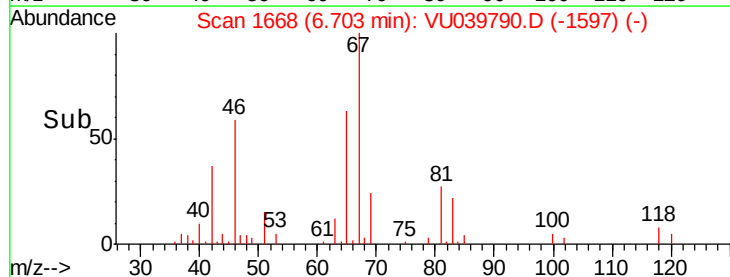
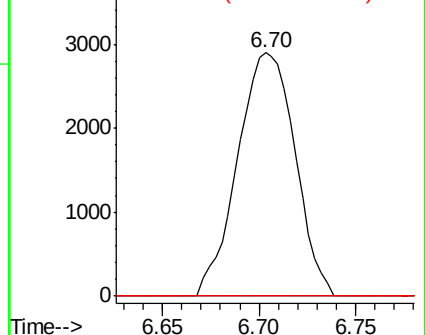
98 0.0 39.0 58.4#

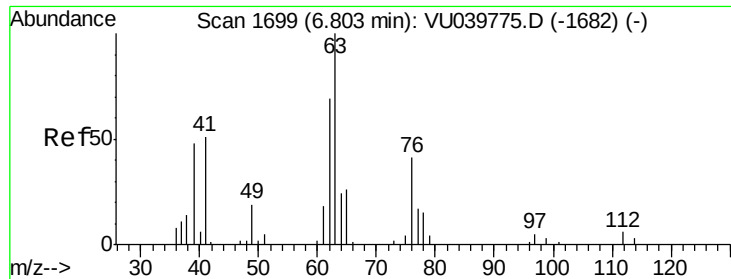


Abundance Ion 83.15 (82.85 to 83.85): VU039790.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039790.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039790.D (-1597) (-)

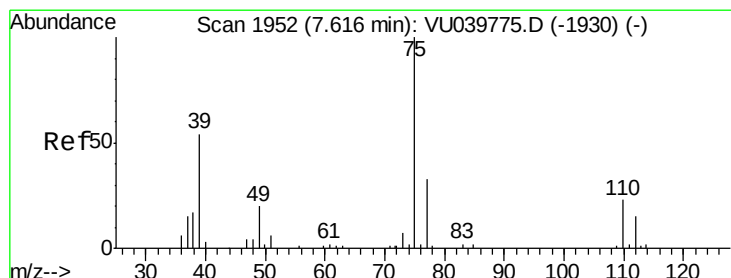
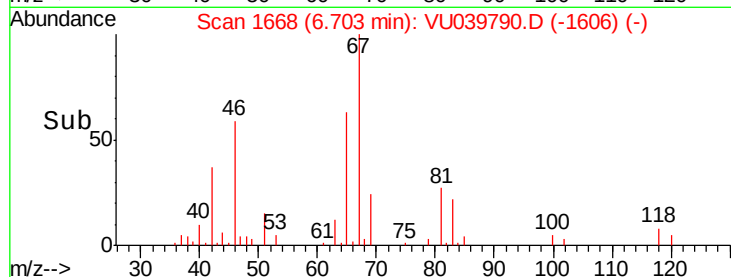
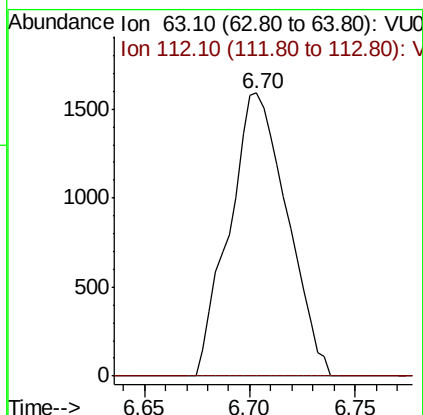
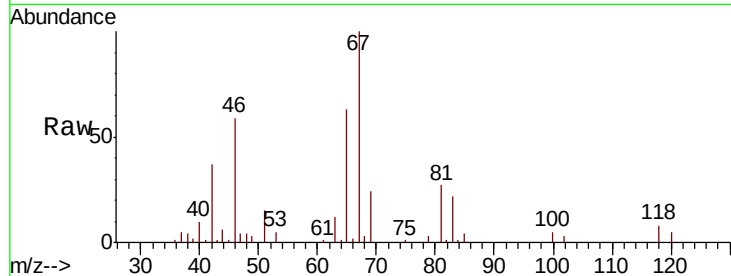




#37  
 1,2-Dichloropropane  
 Concen: 0.602 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU039790.D  
 Acq: 07 Aug 2020 17:19

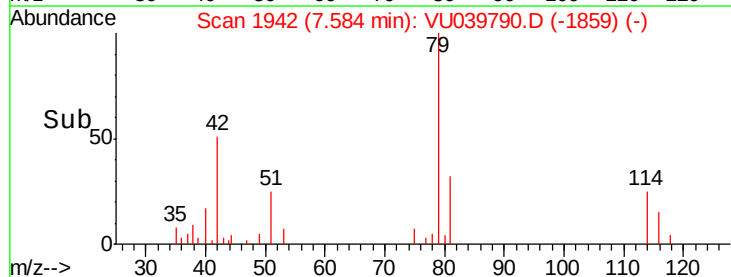
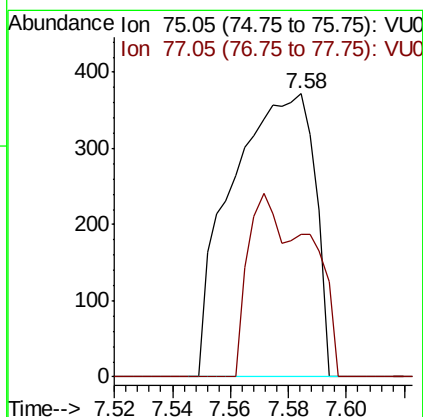
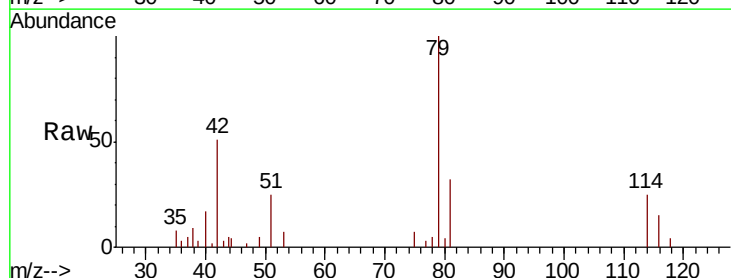
Instrument :  
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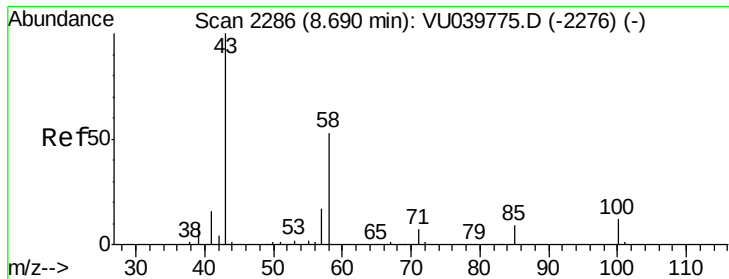
Tot Ion: 63 Resp: 3028  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.107 ug/L  
 RT: 7.58 min Scan# 1942  
 Delta R.T. -0.03 min  
 Lab File: VU039790.D  
 Acq: 07 Aug 2020 17:19

Tgt Ion: 75 Resp: 736  
 Ion Ratio Lower Upper  
 75 100  
 77 50.3 22.4 41.6#

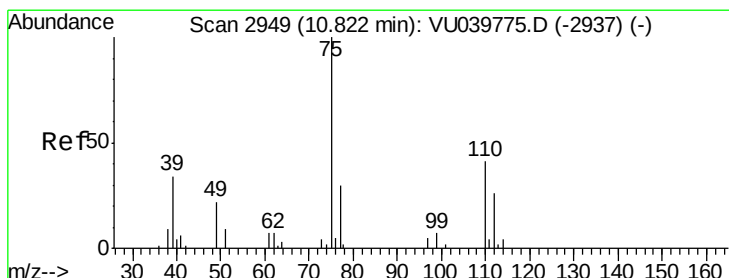
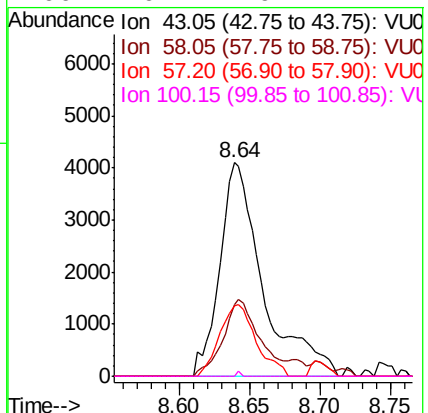
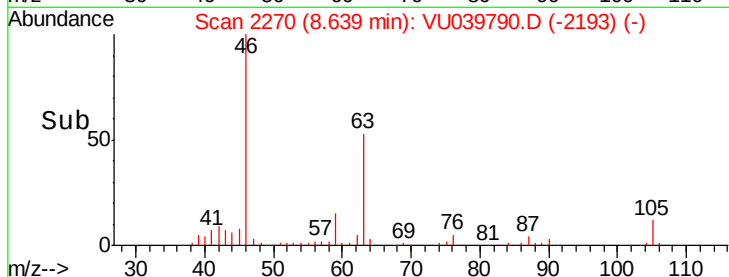
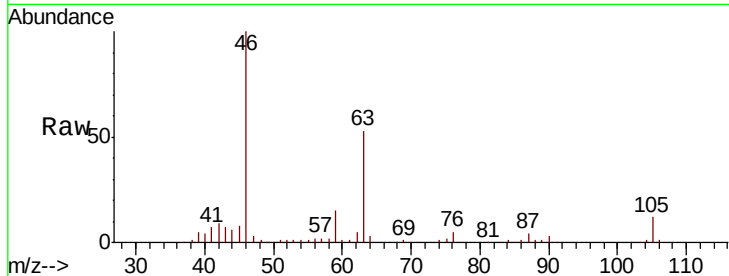




#48  
 2-Hexanone  
 Concen: 3.238 ug/L  
 RT: 8.64 min Scan# 2270  
 Delta R.T. -0.05 min  
 Lab File: VU039790.D  
 Acq: 07 Aug 2020 17:19

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 43 Resp: 8788  
 Ion Ratio Lower Upper  
 43 100  
 58 30.8 41.8 62.8#  
 57 28.2 14.2 21.4#  
 100 0.2 9.4 14.2#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.160 ug/L  
 RT: 11.81 min Scan# 3256  
 Delta R.T. 0.99 min  
 Lab File: VU039790.D  
 Acq: 07 Aug 2020 17:19

Tgt Ion: 75 Resp: 4210  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 24.6 37.0

