

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\  
 Data File : VU038146.D  
 Acq On : 13 May 2020 16:17  
 Operator : JC/MD  
 Sample : L2630-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 01:15:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 358454   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 348296   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 168234   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 126905   | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 119783   | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 171697   | 3.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.60%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 482085   | 59.59    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.18% |
| 24) Chloroform-d               | 5.10   | 84    | 233512   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 144559   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 32) Benzene-d6                 | 5.76   | 84    | 498943   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 167241   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.92   | 98    | 440108   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 62620    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.80%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 400309   | 62.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 125.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 141460   | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 167120   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

|                              |      |    |        |       | Ovalue    |
|------------------------------|------|----|--------|-------|-----------|
| 5) Vinyl chloride            | 1.62 | 62 | 228182 | 5.894 | ug/L 99   |
| 12) 1,1-Dichloroethene       | 2.60 | 96 | 5231   | 0.210 | ug/L # 1  |
| 13) Acetone                  | 2.66 | 43 | 4464   | 0.880 | ug/L 92   |
| 15) Methyl Acetate           | 3.08 | 43 | 8388   | 0.591 | ug/L # 53 |
| 17) Methyl tert-butyl Ether  | 3.40 | 73 | 10540  | 0.152 | ug/L # 1  |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 6131   | 0.226 | ug/L 89   |
| 19) 1,1-Dichloroethane       | 3.91 | 63 | 173390 | 3.269 | ug/L 97   |
| 22) cis-1,2-Dichloroethene   | 4.71 | 96 | 154207 | 5.269 | ug/L 96   |
| 25) Chloroform               | 5.13 | 83 | 26080  | 0.527 | ug/L 98   |
| 27) 1,2-Dichloroethane       | 5.83 | 62 | 27418  | 0.785 | ug/L 99   |
| 29) 1,1,1-Trichloroethane    | 5.35 | 97 | 16346  | 0.410 | ug/L 99   |
| 30) Cyclohexane              | 5.42 | 56 | 12213  | 0.259 | ug/L 95   |
| 33) Benzene                  | 5.81 | 78 | 45346  | 0.407 | ug/L 100  |
| 34) Trichloroethene          | 6.57 | 95 | 6214   | 0.223 | ug/L 91   |
| 35) Methylcyclohexane        | 6.72 | 83 | 37126  | 0.822 | ug/L # 16 |
| 37) 1,2-Dichloropropane      | 6.72 | 63 | 18150  | 0.599 | ug/L # 88 |
| 39) cis-1,3-Dichloropropene  | 7.59 | 75 | 3880   | 0.089 | ug/L # 53 |

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 Sample : L2630-04  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 01:15:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 01:11:51 2020  
 Response via : Initial Calibration

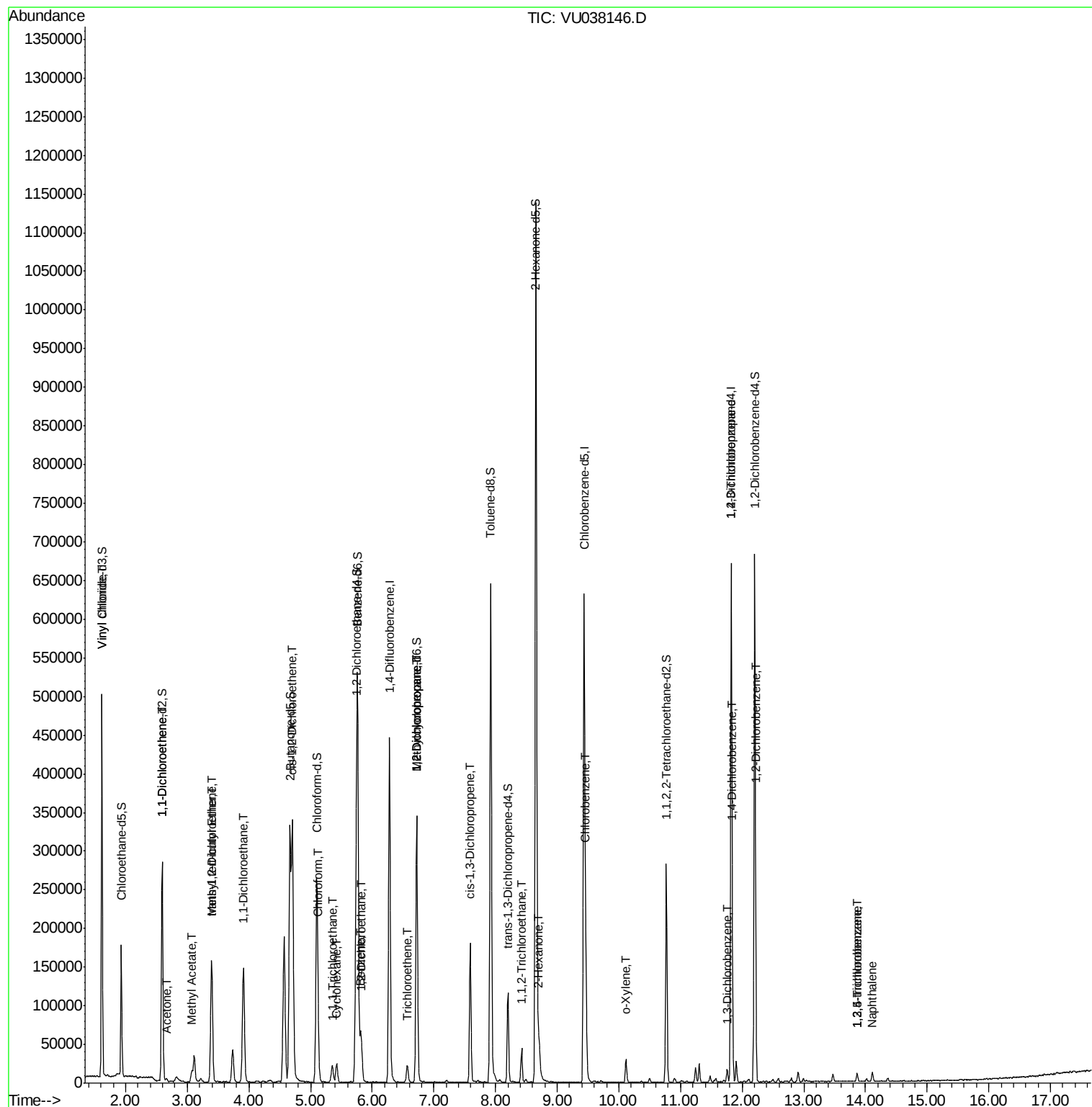
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane  | 8.42  | 97   | 13562    | 0.645 | ug/L  | 96       |
| 48) 2-Hexanone             | 8.71  | 43   | 30102    | 1.958 | ug/L  | 90       |
| 51) Chlorobenzene          | 9.47  | 112  | 87905    | 1.203 | ug/L  | 99       |
| 54) o-Xylene               | 10.12 | 106  | 8127     | 0.172 | ug/L  | 94       |
| 59) 1,2,3-Trichloropropane | 11.82 | 75   | 26325    | 1.295 | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene    | 11.76 | 146  | 6865     | 0.125 | ug/L  | 95       |
| 63) 1,4-Dichlorobenzene    | 11.85 | 146  | 13163    | 0.237 | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene    | 12.23 | 146  | 6673     | 0.127 | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene | 13.86 | 180  | 3280     | 0.083 | ug/L  | 93       |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180  | 3280     | 0.091 | ug/L  | 92       |
| 69) Naphthalene            | 14.12 | 128  | 9420     | 0.124 | ug/L  | 98       |

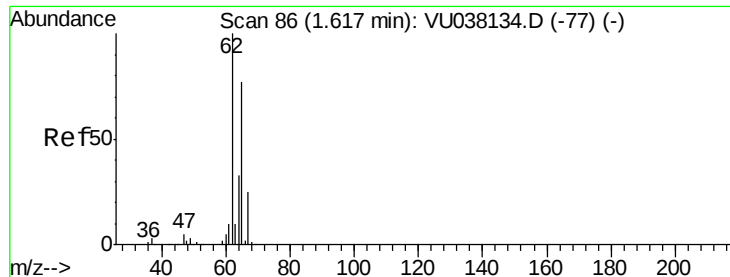
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:15:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 14 01:11:51 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.894 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA\_U

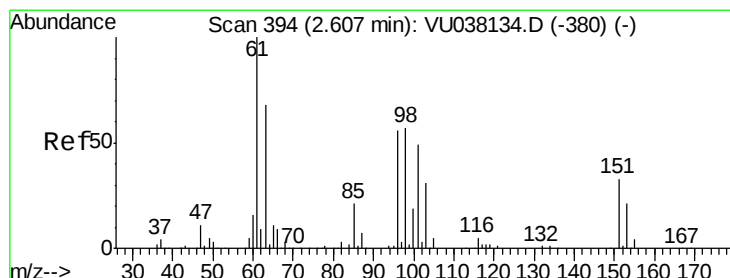
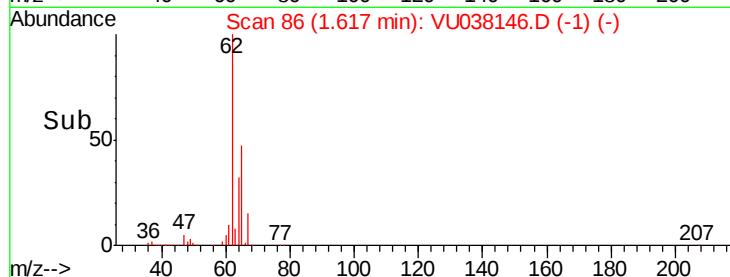
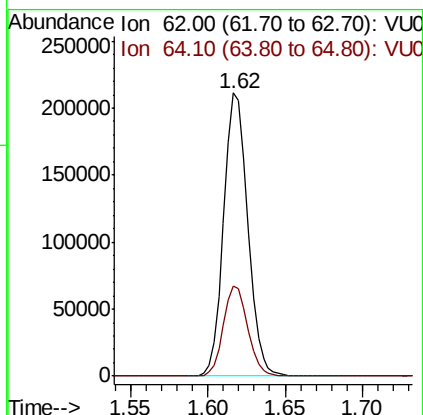
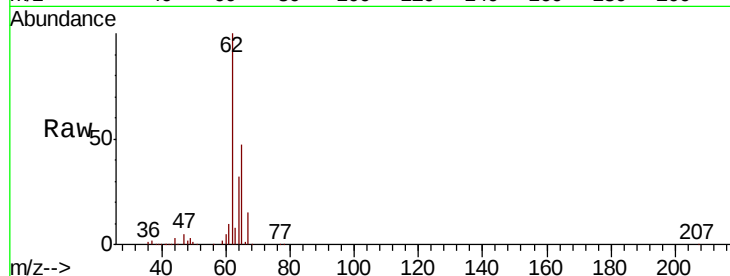
ClientSampleId :

Tot Ion: 62 Resp: 228182

Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.210 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

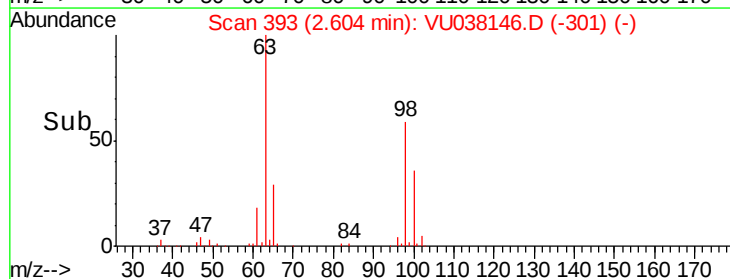
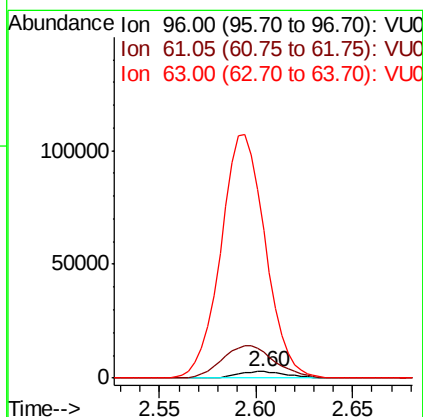
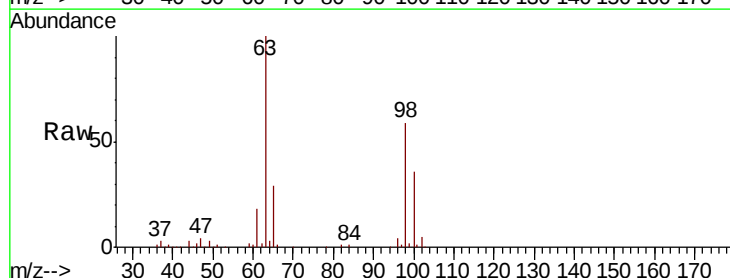
Tgt Ion: 96 Resp: 5231

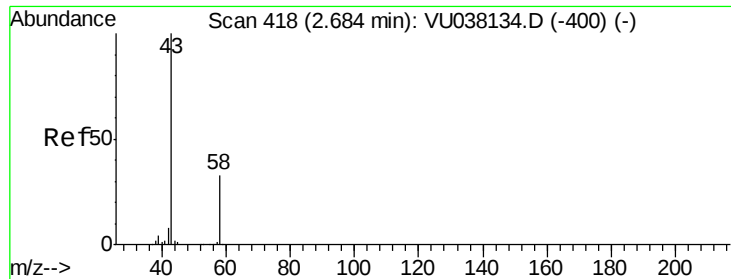
Ion Ratio Lower Upper

96 100

61 395.4 126.2 234.4#

63 2229.8 96.9 179.9#





#13

Acetone

Concen: 0.880 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA\_U

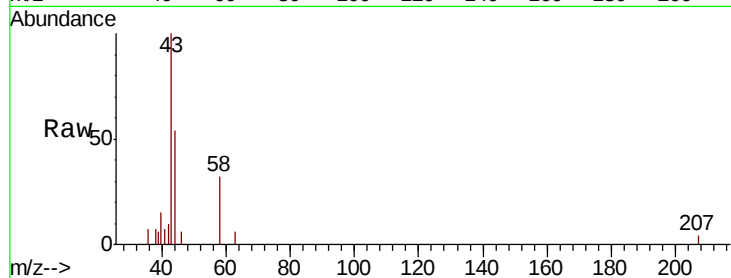
ClientSampleId :

Tot Ion: 43 Resp: 4464

Ion Ratio Lower Upper

43 100

58 36.2 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038134.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038134.D (-400) (-)

2.66

2500

2000

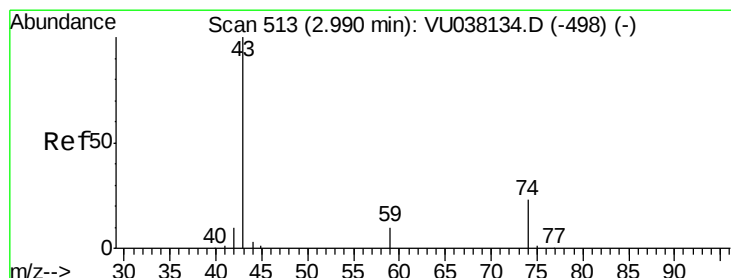
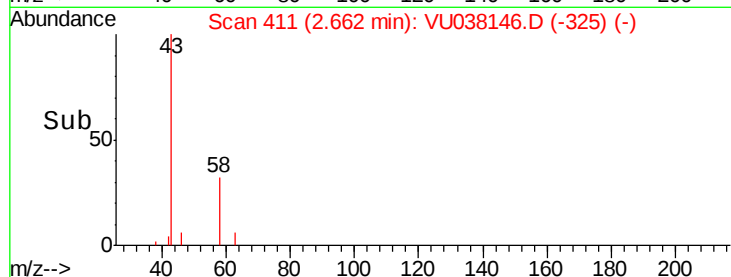
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 0.591 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.09 min

Lab File: VU038146.D

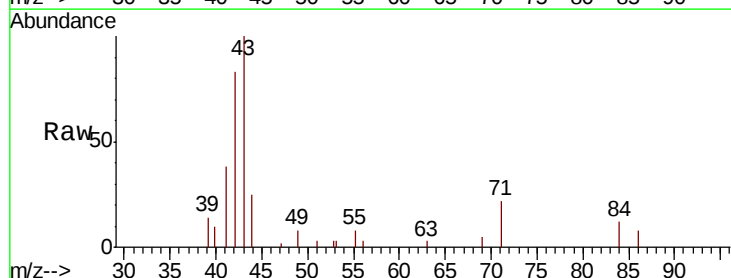
Acq: 13 May 2020 16:17

Tgt Ion: 43 Resp: 8388

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038134.D (-498) (-)

Ion 74.05 (73.75 to 74.75): VU038134.D (-498) (-)

3.08

12000

10000

8000

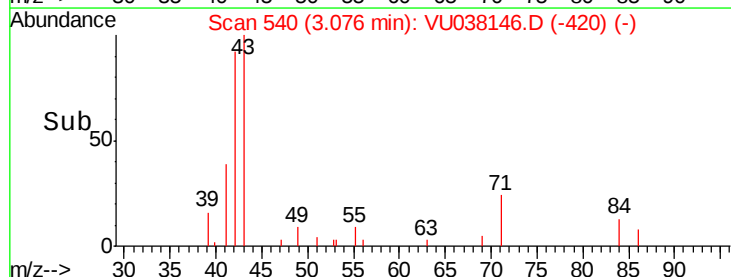
6000

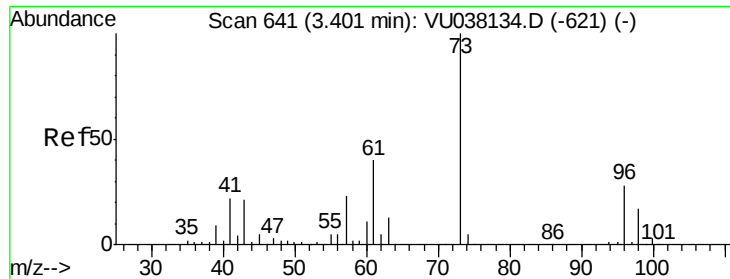
4000

2000

0

Time-->

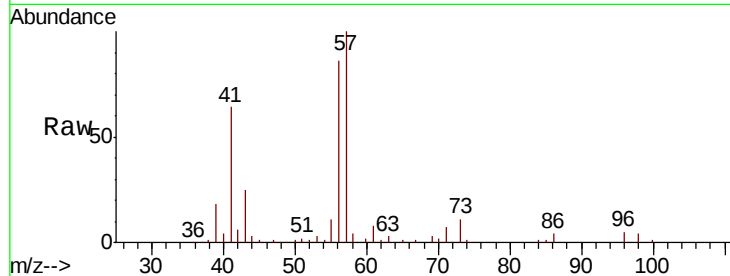




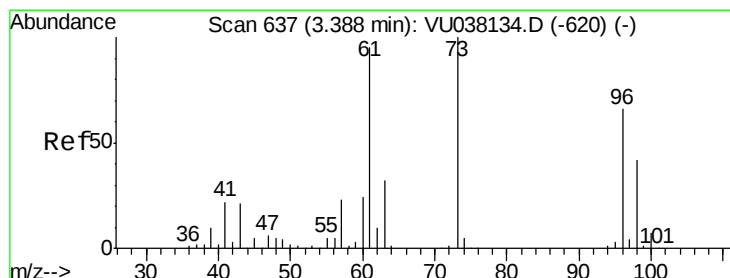
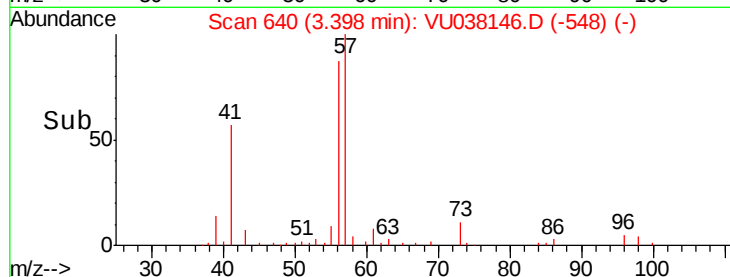
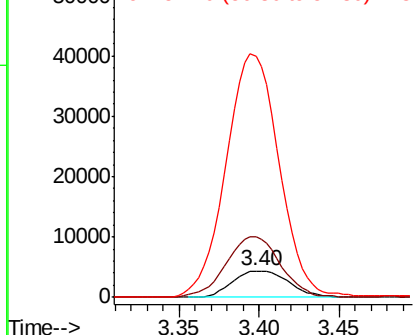
#17  
Methvl tert-butvl Ether  
Concen: 0.152 ug/L  
RT: 3.40 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 73 Resp: 10540  
Ion Ratio Lower Upper  
73 100  
43 221.7 16.9 25.3#  
57 871.5 18.2 27.2#

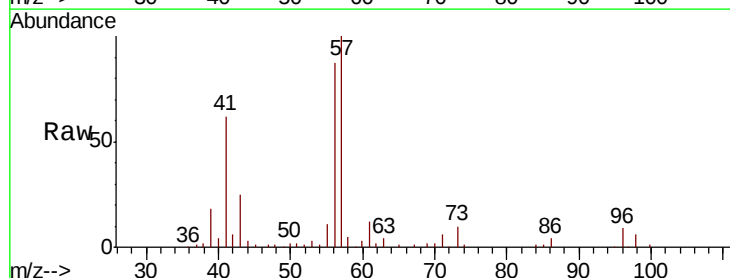


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

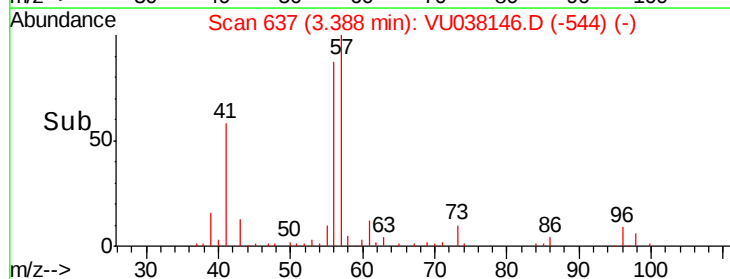
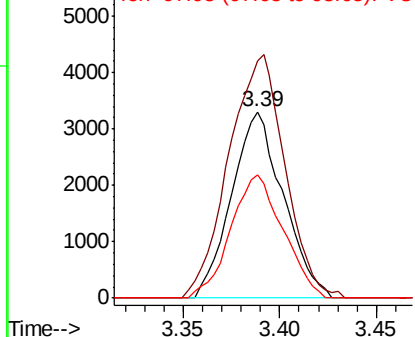


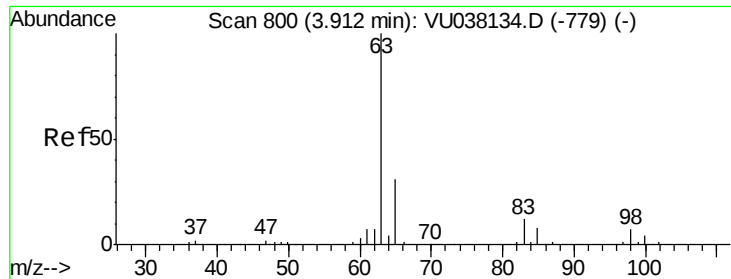
#18  
trans-1,2-Dichloroethene  
Concen: 0.226 ug/L  
RT: 3.39 min Scan# 637  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Tgt Ion: 96 Resp: 6131  
Ion Ratio Lower Upper  
96 100  
61 127.3 102.1 189.5  
98 66.0 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 97.95 (97.65 to 98.65): VU0

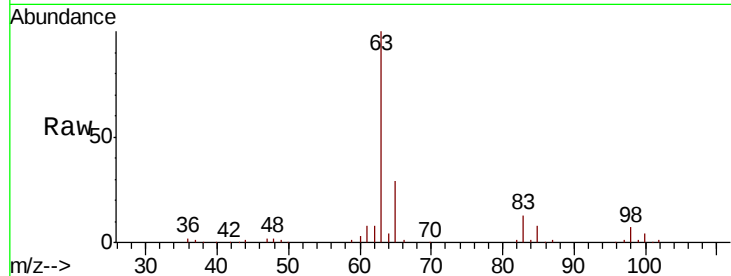




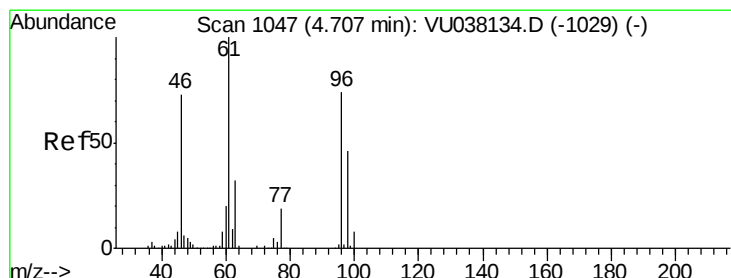
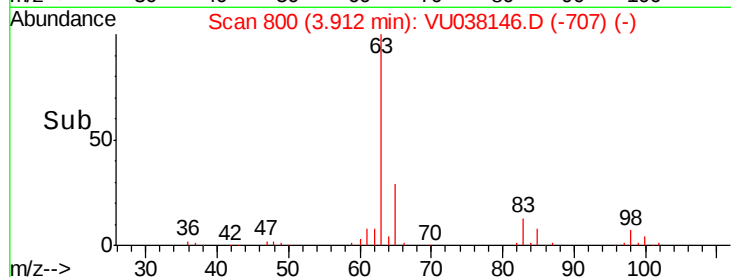
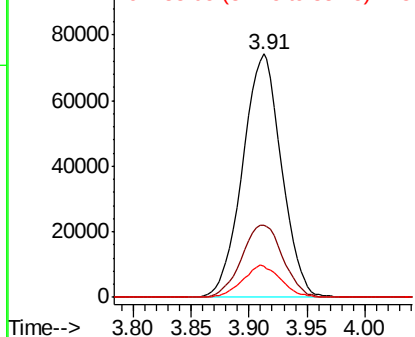
#19  
 1,1-Dichloroethane  
 Concen: 3.269 ug/L  
 RT: 3.91 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 173390  
 Ion Ratio Lower Upper  
 63 100  
 65 29.5 22.5 41.7  
 83 12.9 8.9 16.5

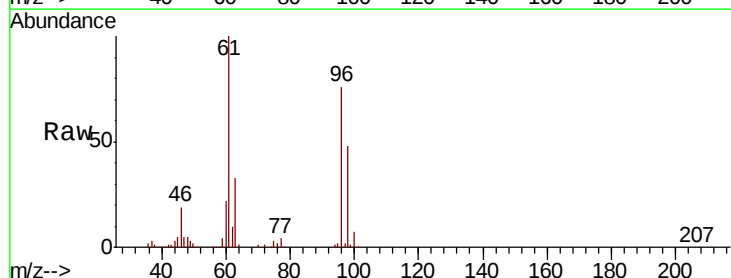


Abundance Ion 63.10 (62.80 to 63.80): VU0  
 Ion 65.10 (64.80 to 65.80): VU0  
 Ion 83.05 (82.75 to 83.75): VU0

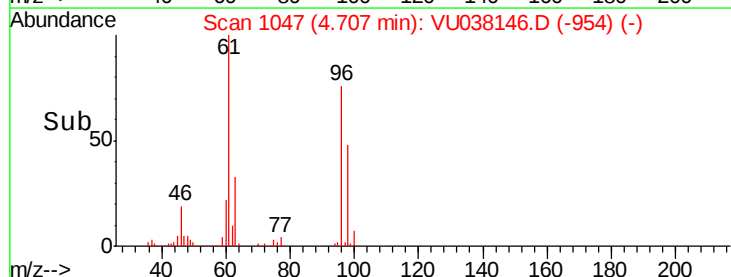
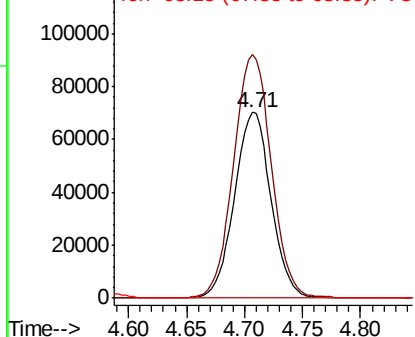


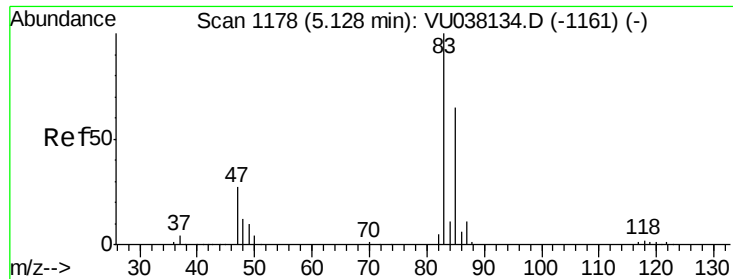
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.269 ug/L  
 RT: 4.71 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Tgt Ion: 96 Resp: 154207  
 Ion Ratio Lower Upper  
 96 100  
 61 131.3 95.3 176.9  
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0

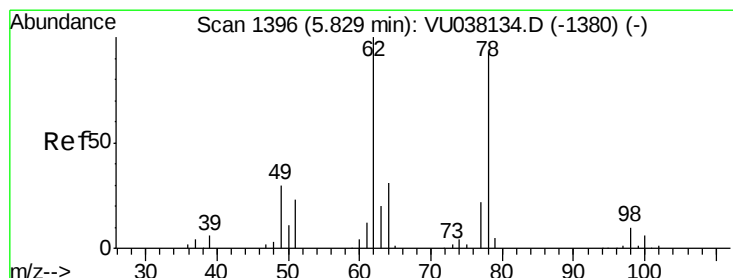
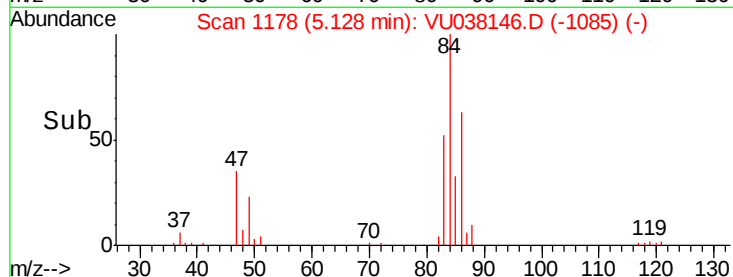
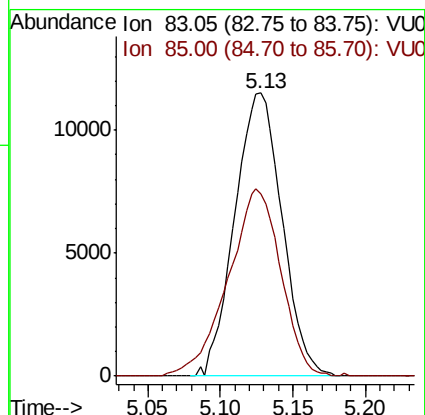
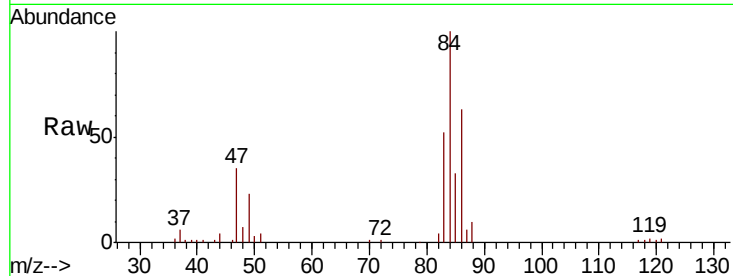




#25  
Chloroform  
Concen: 0.527 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

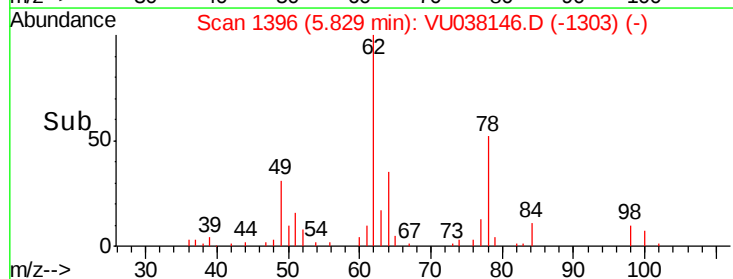
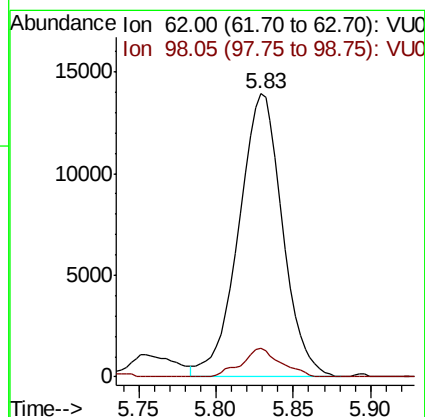
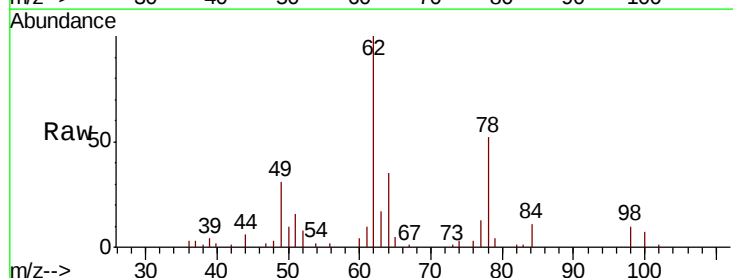
Instrument :  
MSVOA\_U  
ClientSampled :

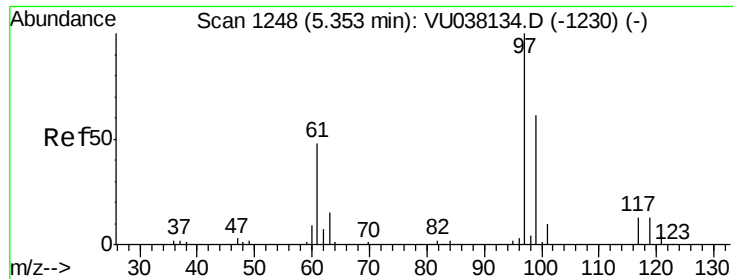
Tot Ion: 83 Resp: 26080  
Ion Ratio Lower Upper  
83 100  
85 64.4 46.2 85.8



#27  
1,2-Dichloroethane  
Concen: 0.785 ug/L  
RT: 5.83 min Scan# 1396  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Tgt Ion: 62 Resp: 27418  
Ion Ratio Lower Upper  
62 100  
98 10.2 7.8 11.8

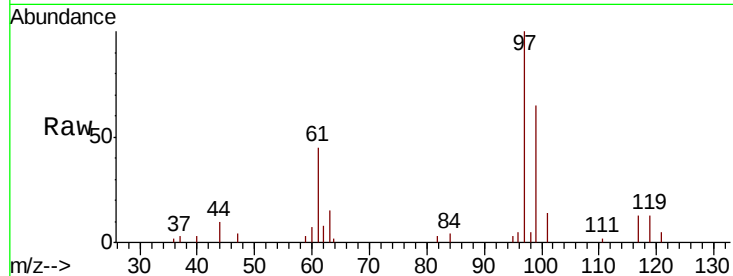




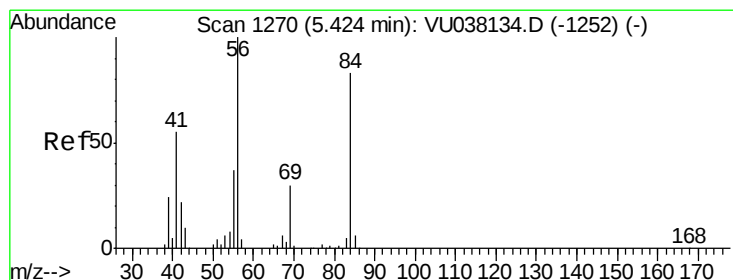
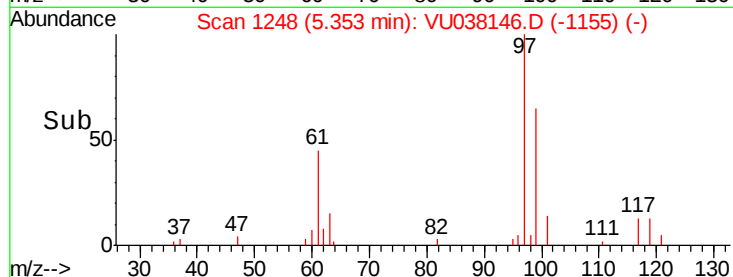
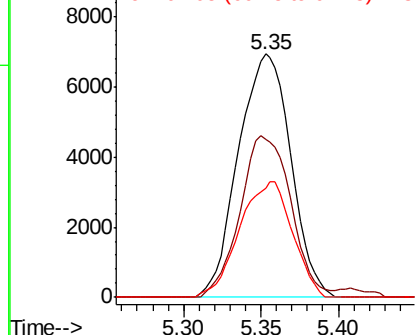
#29  
 1,1,1-Trichloroethane  
 Concen: 0.410 ug/L  
 RT: 5.35 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 97 Resp: 16346  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 51.0 76.4  
 61 47.9 38.2 57.4

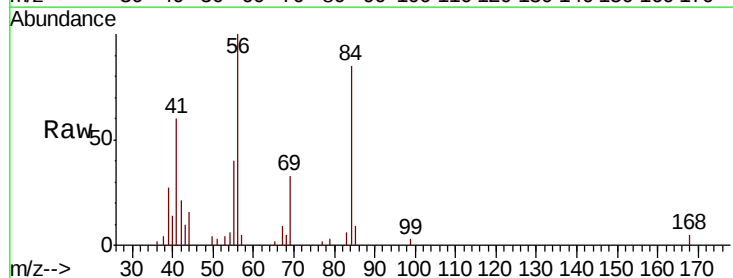


Abundance Ion 96.95 (96.65 to 97.65): VU0  
 Ion 99.05 (98.75 to 99.75): VU0  
 Ion 61.05 (60.75 to 61.75): VU0

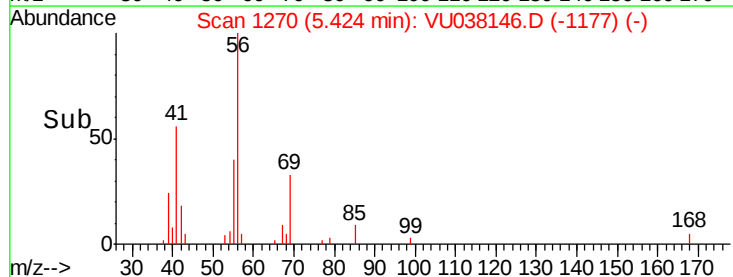
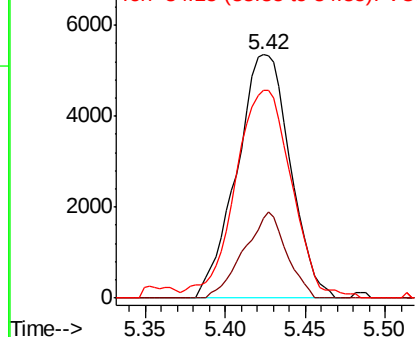


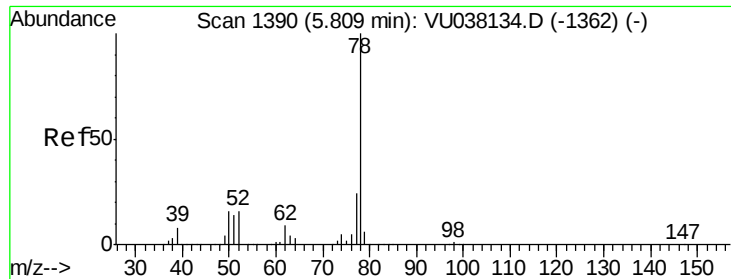
#30  
 Cyclohexane  
 Concen: 0.259 ug/L  
 RT: 5.42 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Tgt Ion: 56 Resp: 12213  
 Ion Ratio Lower Upper  
 56 100  
 69 28.1 24.2 36.4  
 84 90.6 68.5 102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0  
 Ion 69.15 (68.85 to 69.85): VU0  
 Ion 84.15 (83.85 to 84.85): VU0

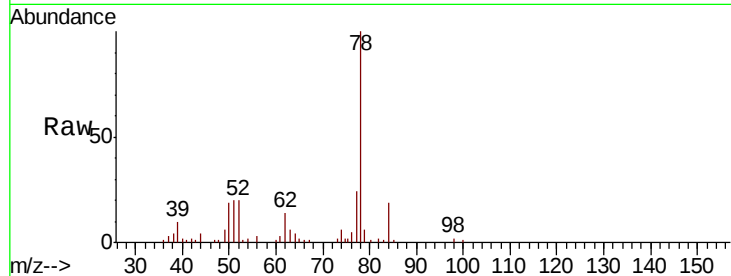




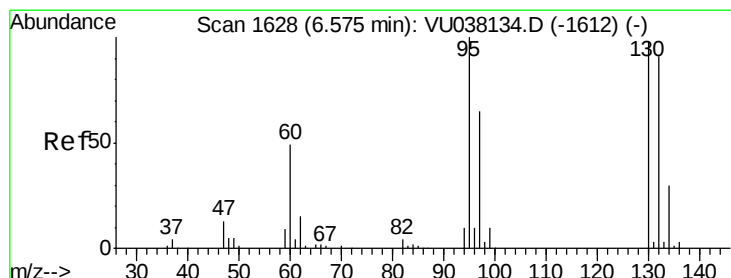
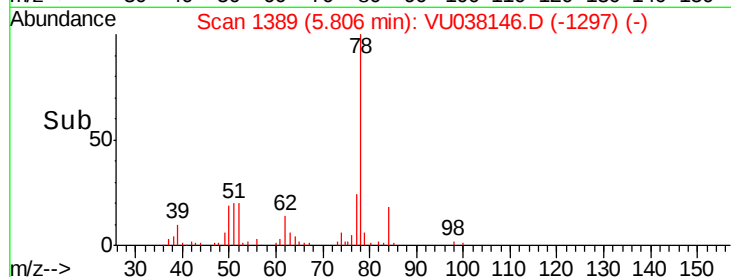
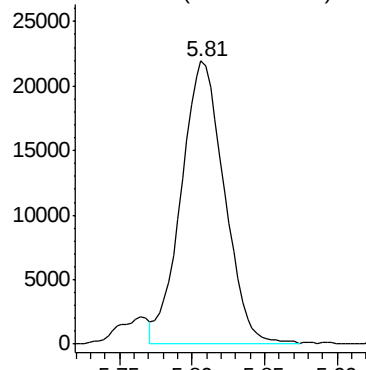
#33  
Benzene  
Concen: 0.407 ug/L  
RT: 5.81 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Tgt Ion: 78 Resp: 45346

Instrument :  
MSVOA\_U  
ClientSampleId :



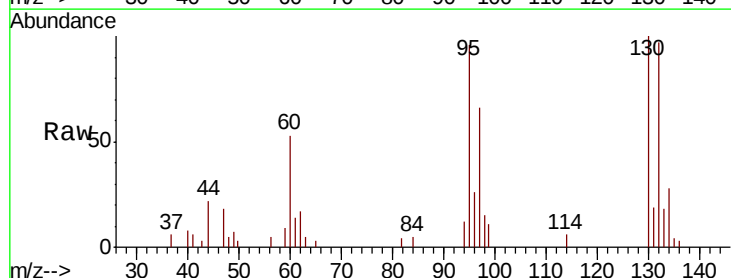
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34  
Trichloroethene  
Concen: 0.223 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

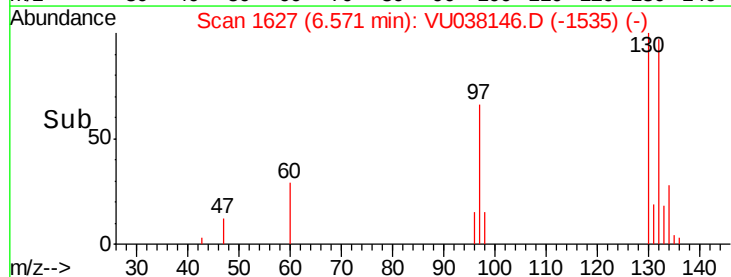
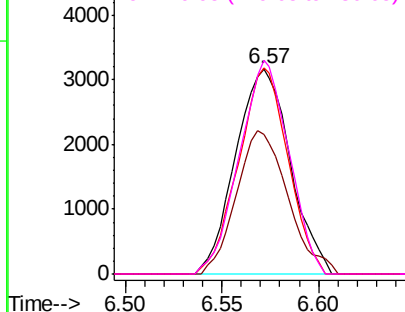
Tgt Ion: 95 Resp: 6214

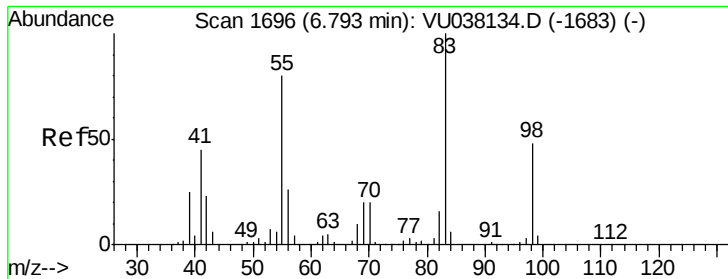
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.2  | 44.9  | 83.3  |
| 132 | 100.5 | 63.3  | 117.5 |
| 130 | 104.1 | 65.7  | 122.1 |



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0  
Ion 131.95 (131.65 to 132.65): V  
Ion 129.95 (129.65 to 130.65): V

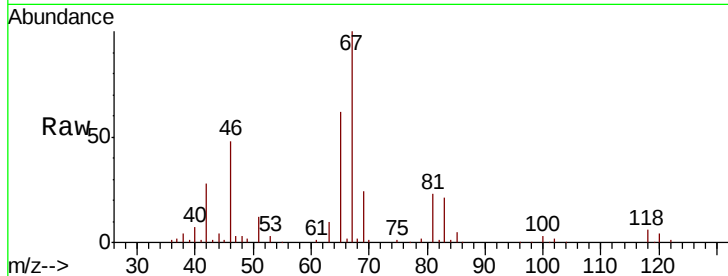




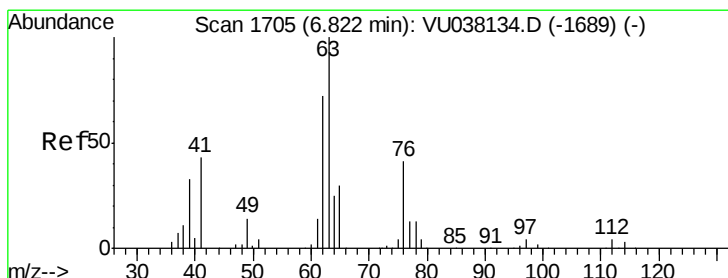
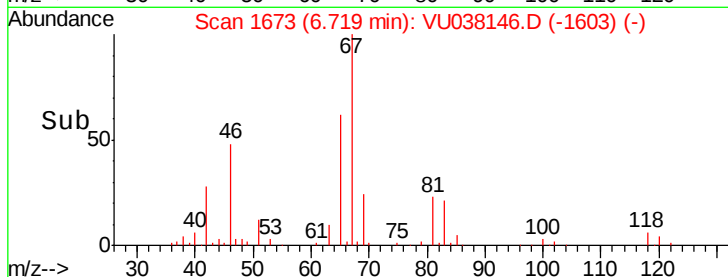
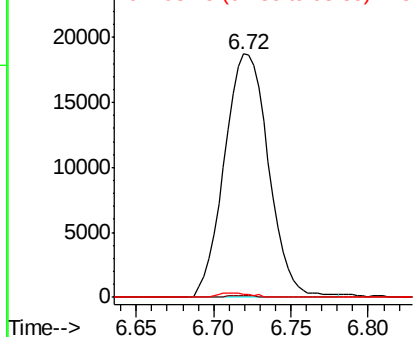
#35  
Methvlcvclohexane  
Concen: 0.822 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 37126  
Ion Ratio Lower Upper  
83 100  
55 0.4 66.7 100.1#  
98 1.2 39.4 59.2#

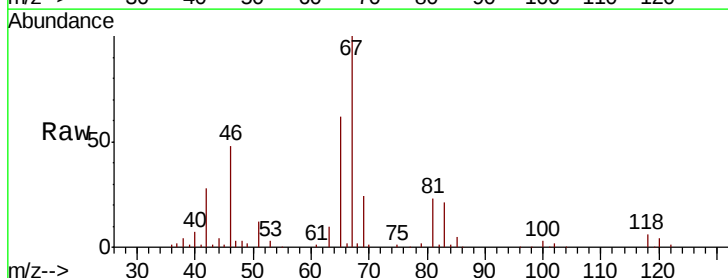


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

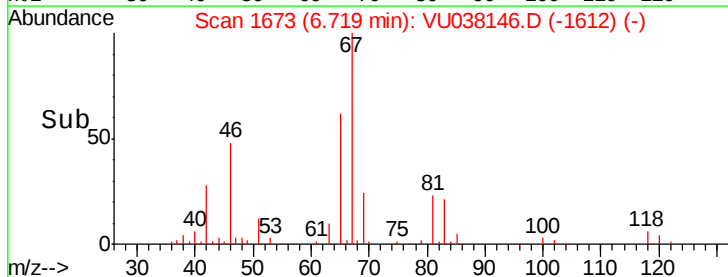
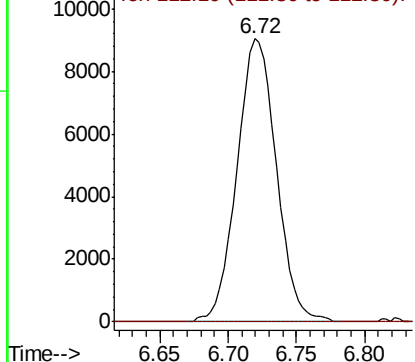


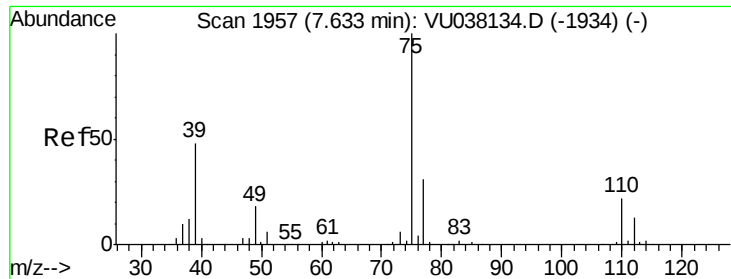
#37  
1,2-Dichloropropane  
Concen: 0.599 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Tgt Ion: 63 Resp: 18150  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

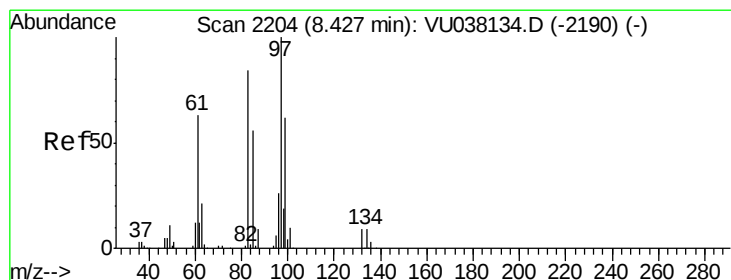
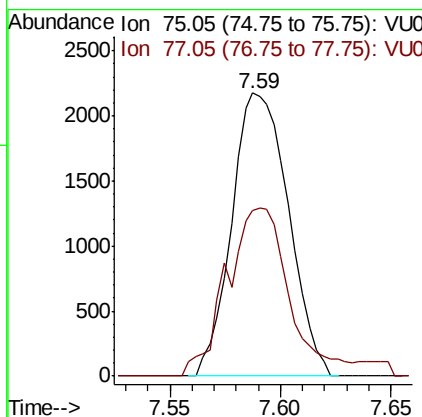
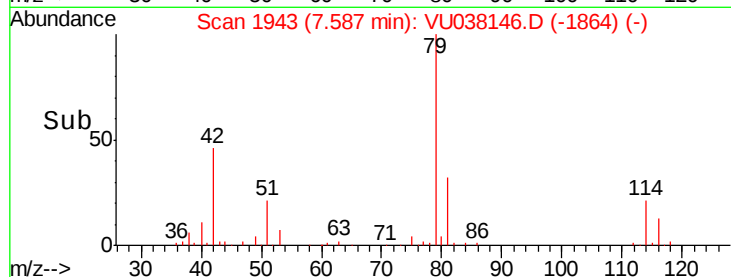
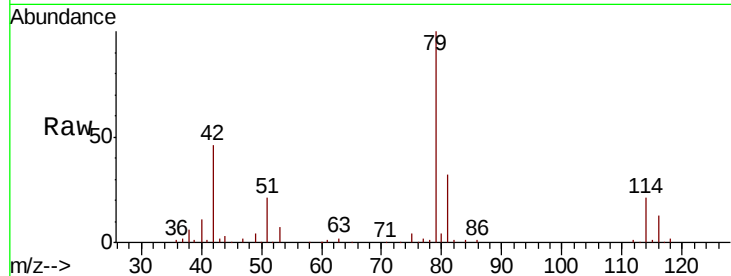




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.089 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

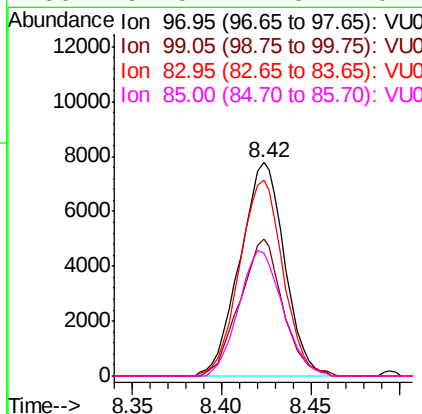
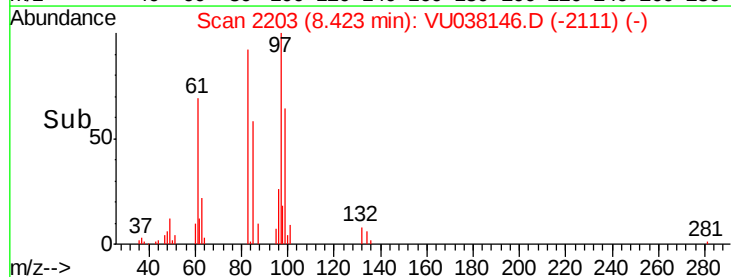
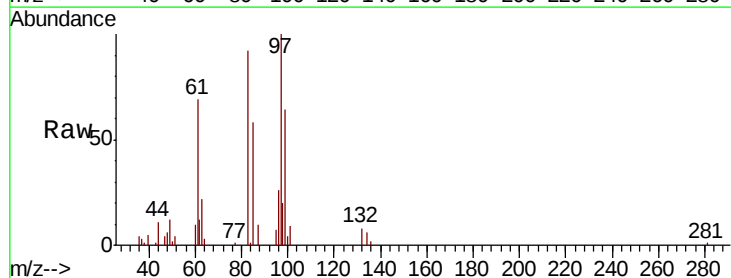
Instrument :  
 MSVOA\_U  
 ClientSampleId :

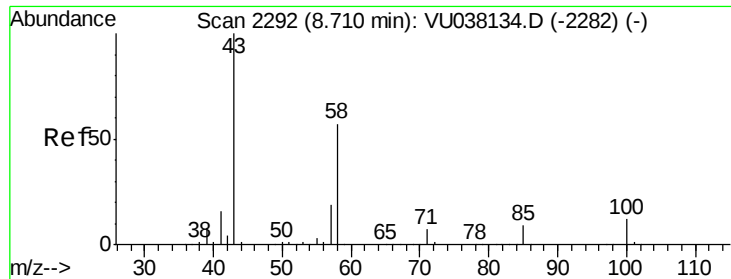
Tot Ion: 75 Resp: 3880  
 Ion Ratio Lower Upper  
 75 100  
 77 58.4 22.4 41.6#



#45  
 1,1,2-Trichloroethane  
 Concen: 0.645 ug/L  
 RT: 8.42 min Scan# 2203  
 Delta R.T. -0.00 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Tgt Ion: 97 Resp: 13562  
 Ion Ratio Lower Upper  
 97 100  
 99 64.0 44.0 81.6  
 83 91.7 59.6 110.8  
 85 57.8 41.3 76.7

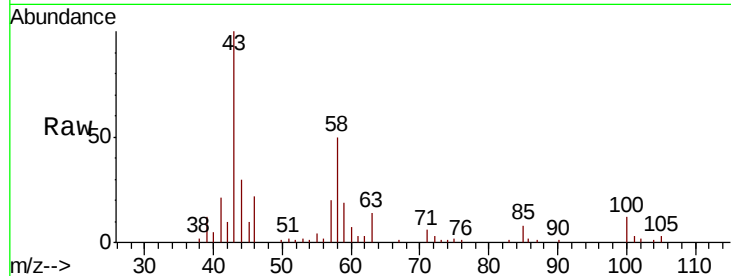




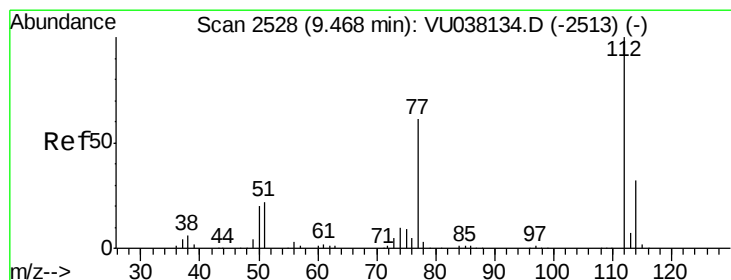
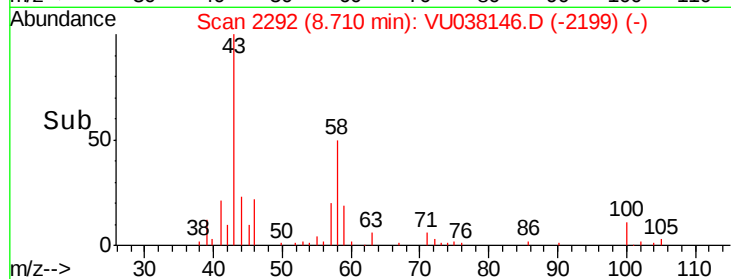
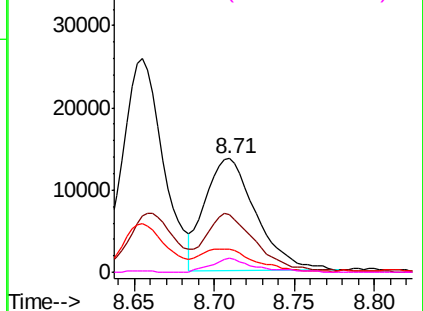
#48  
2-Hexanone  
Concen: 1.958 ug/L  
RT: 8.71 min Scan# 2292  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Instrument :  
MSVOA\_U  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 30102 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 47.3  | 45.2  | 67.8  |
| 57       | 23.1  | 15.5  | 23.3  |
| 100      | 10.4  | 9.5   | 14.3  |

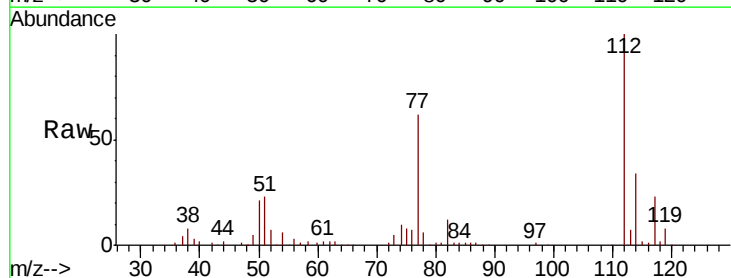


Abundance Ion 43.05 (42.75 to 43.75): VU038146.D (-2199) (-)  
Ion 58.05 (57.75 to 58.75): VU038146.D (-2199) (-)  
Ion 57.20 (56.90 to 57.90): VU038146.D (-2199) (-)  
Ion 100.15 (99.85 to 100.85): VU038146.D (-2199) (-)

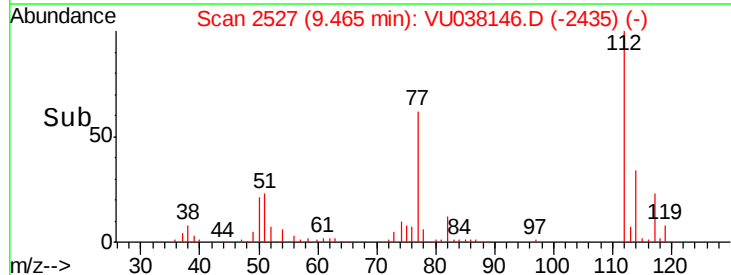
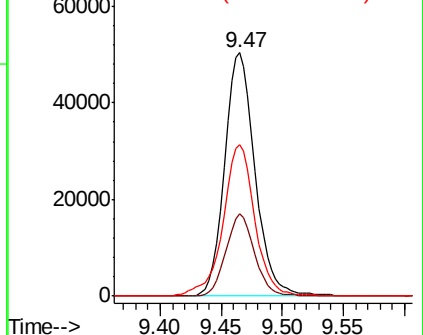


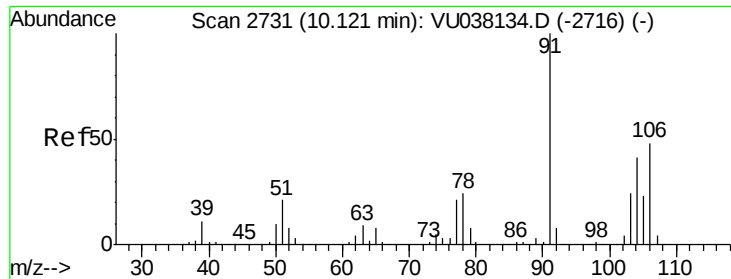
#51  
Chlorobenzene  
Concen: 1.203 ug/L  
RT: 9.47 min Scan# 2527  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 87905 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 33.6  | 22.5  | 41.7  |
| 77       | 61.9  | 49.9  | 74.9  |



Abundance Ion 112.10 (111.80 to 112.80): VU038146.D (-2435) (-)  
Ion 114.05 (113.75 to 114.75): VU038146.D (-2435) (-)  
Ion 77.10 (76.80 to 77.80): VU038146.D (-2435) (-)

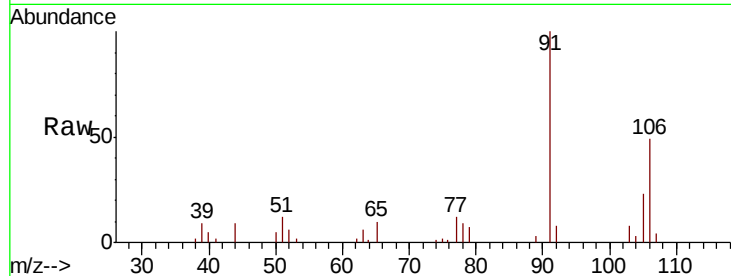




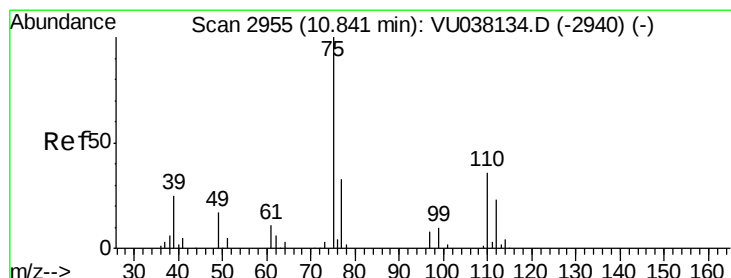
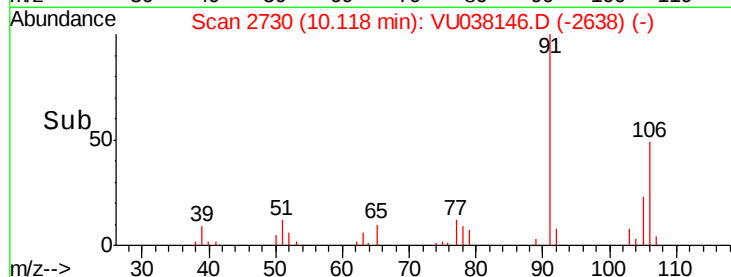
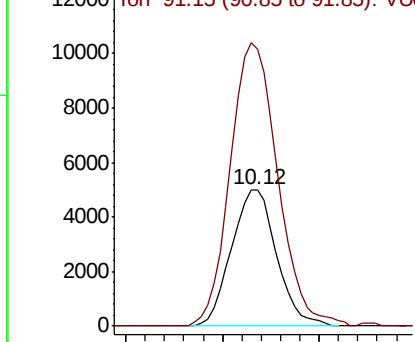
#54  
o-Xylene  
Concen: 0.172 ug/L  
RT: 10.12 min Scan# 2730  
Delta R.T. -0.00 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:106 Resp: 8127  
Ion Ratio Lower Upper  
106 100  
91 202.3 148.5 275.9

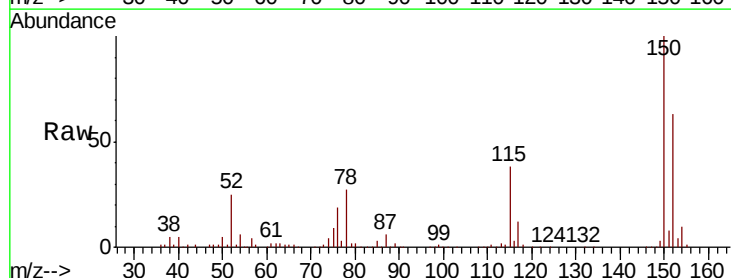


Abundance Ion 106.15 (105.85 to 106.85): VU038146.D (-2716) (-)  
Ion 91.15 (90.85 to 91.85): VU038146.D (-2716) (-)

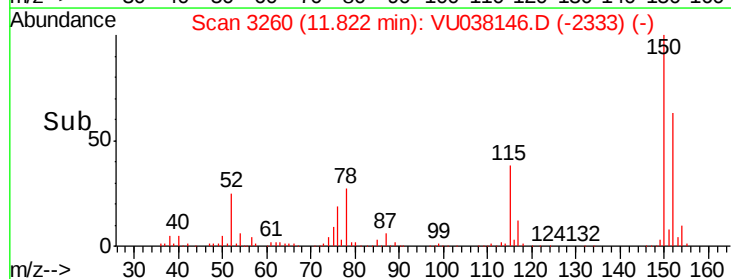
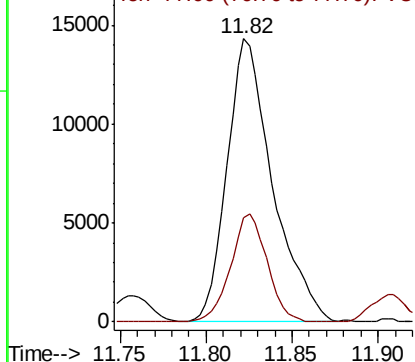


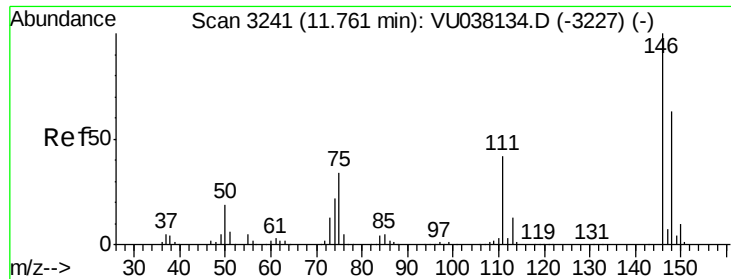
#59  
1,2,3-Trichloropropane  
Concen: 1.295 ug/L  
RT: 11.82 min Scan# 3260  
Delta R.T. 0.98 min  
Lab File: VU038146.D  
Acq: 13 May 2020 16:17

Tgt Ion: 75 Resp: 26325  
Ion Ratio Lower Upper  
75 100  
77 30.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038134.D (-2940) (-)  
Ion 77.00 (76.70 to 77.70): VU038134.D (-2940) (-)





#62

1,3-Dichlorobenzene

Concen: 0.125 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA\_U

ClientSampleId :

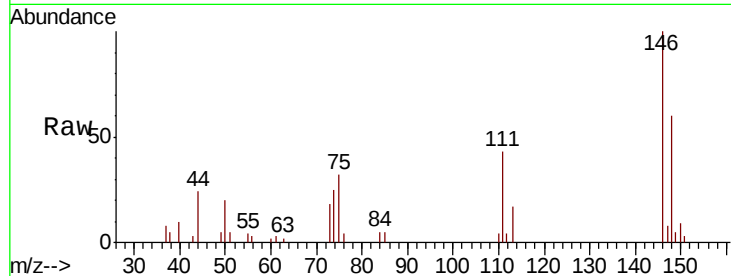
Tot Ion:146 Resp: 6865

Ion Ratio Lower Upper

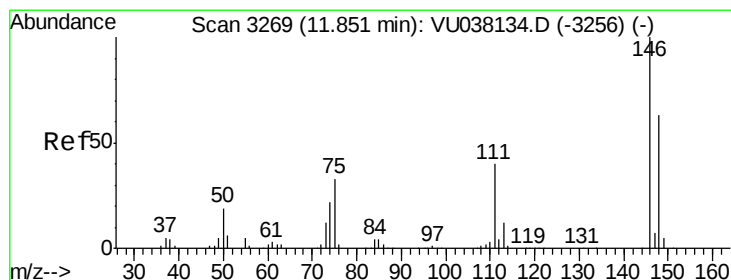
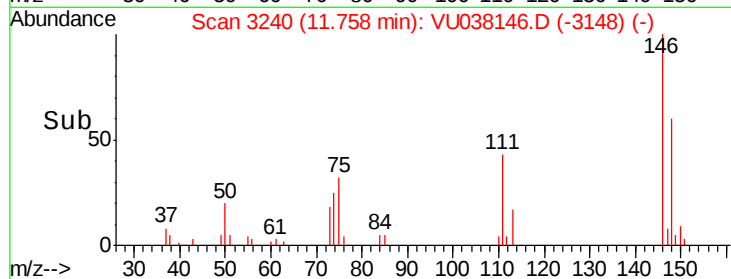
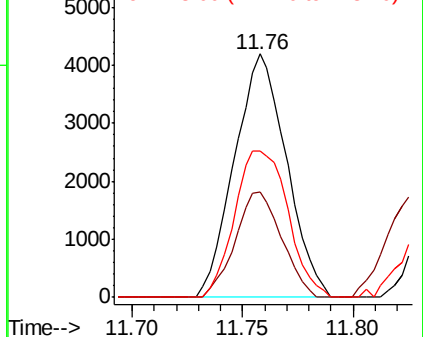
146 100

111 43.1 28.6 53.2

148 60.0 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.237 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

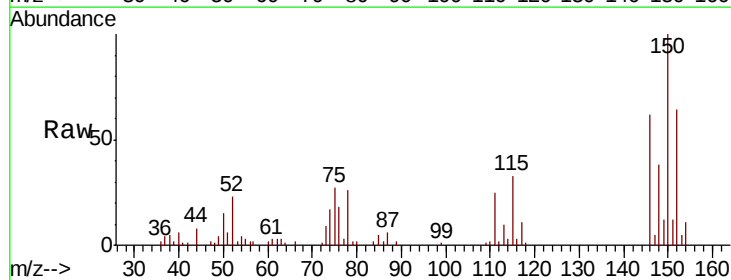
Tgt Ion:146 Resp: 13163

Ion Ratio Lower Upper

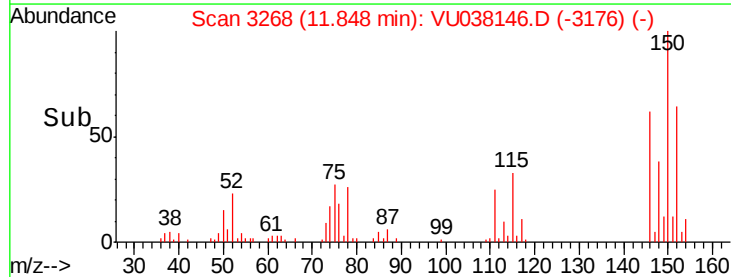
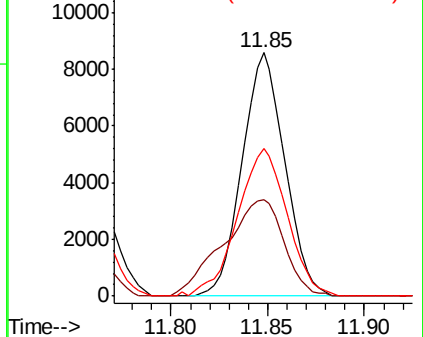
146 100

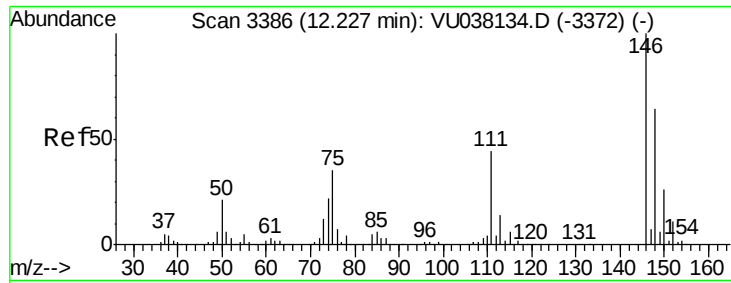
111 39.6 27.2 50.6

148 60.5 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.127 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA\_U

ClientSampleId :

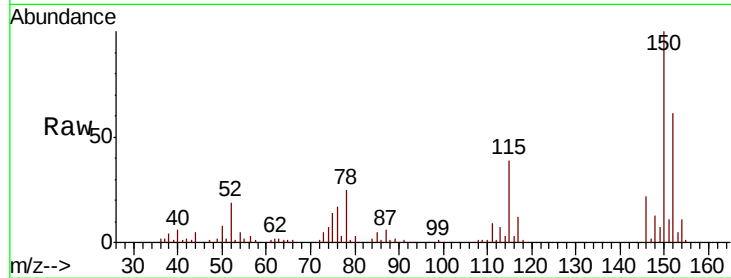
Tot Ion:146 Resp: 6673

Ion Ratio Lower Upper

146 100

111 41.6 35.3 52.9

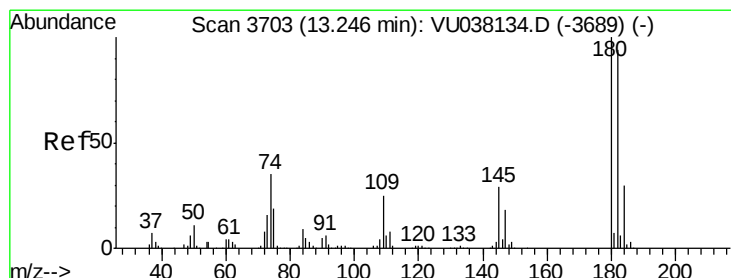
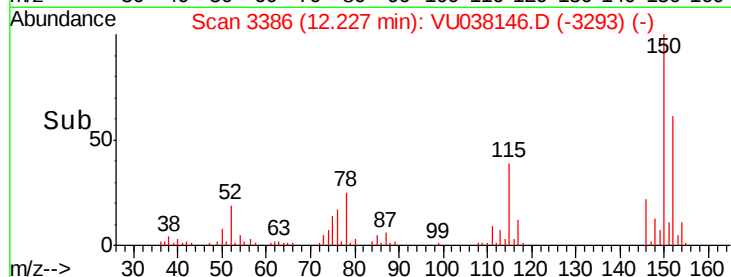
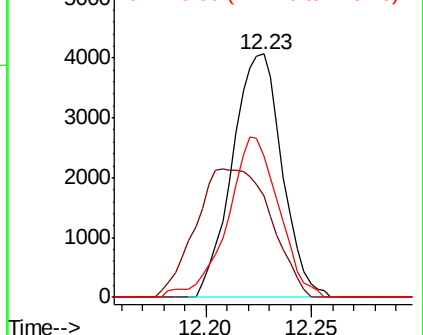
148 57.9 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.083 ug/L

RT: 13.86 min Scan# 3894

Delta R.T. 0.61 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Tgt Ion:180 Resp: 3280

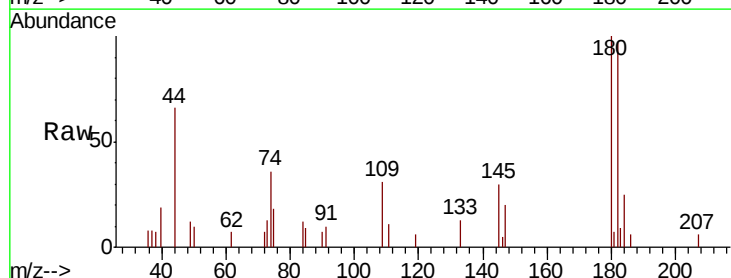
Ion Ratio Lower Upper

180 100

182 103.4 77.4 116.2

184 35.5 24.2 36.2

145 32.6 24.0 36.0

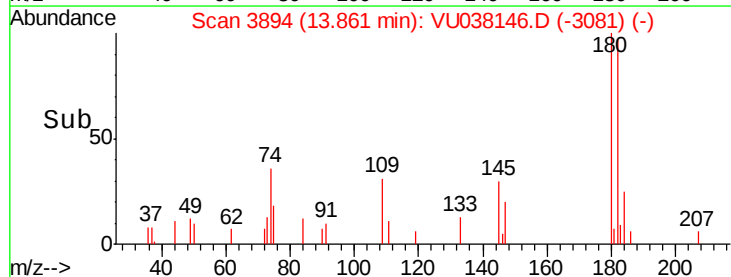
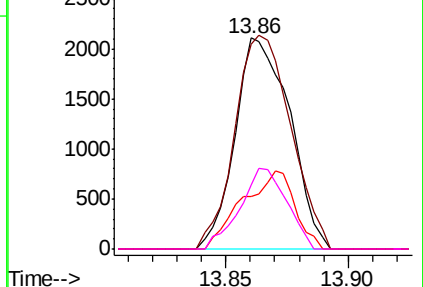


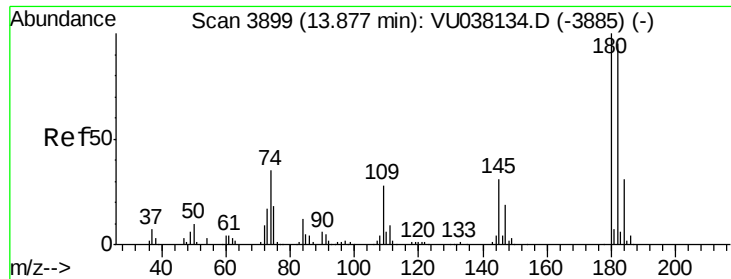
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

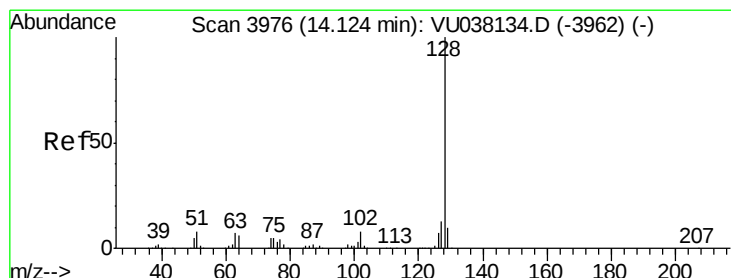
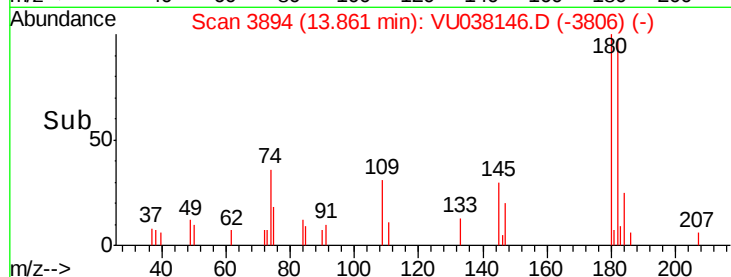
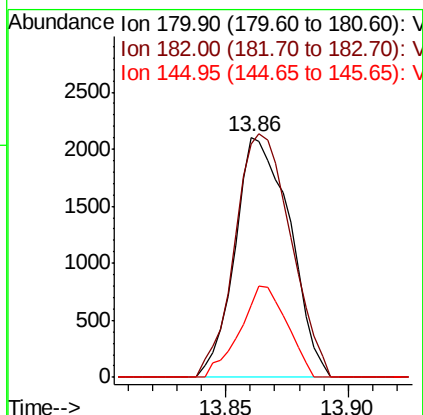
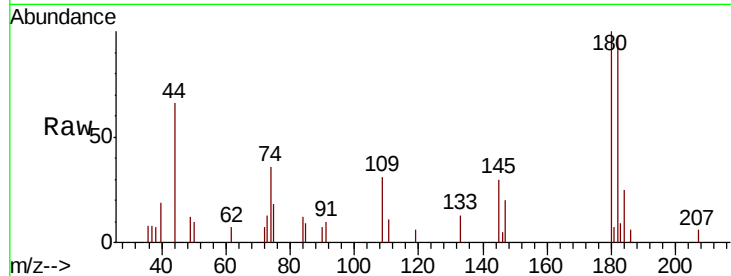




#68  
 1,2,4-trichlorobenzene  
 Concen: 0.091 ug/L  
 RT: 13.86 min Scan# 3894  
 Delta R.T. -0.02 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Instrument :  
 MSVOA\_U  
 ClientSampled :

Tot Ion:180 Resp: 3280  
 Ion Ratio Lower Upper  
 180 100  
 182 103.4 75.0 112.6  
 145 32.6 24.8 37.2



#69  
 Naphthalene  
 Concen: 0.124 ug/L  
 RT: 14.12 min Scan# 3974  
 Delta R.T. -0.01 min  
 Lab File: VU038146.D  
 Acq: 13 May 2020 16:17

Tgt Ion:128 Resp: 9420  
 Ion Ratio Lower Upper  
 128 100  
 129 9.1 8.7 13.1  
 127 12.8 10.2 15.4

