

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU083119\  
 Data File : VU034107.D  
 Acq On : 30 Aug 2019 18:36  
 Operator : JC/SP  
 Sample : K4529-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-T1-(1.9)

Quant Time: Aug 31 03:40:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 29 04:11:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 522488   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.86  | 114  | 826823   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 779105   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 396287   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 310242   | 46.34 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.68% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 256190   | 44.67 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.34% |          |
| 50) Toluene-d8              | 7.55  | 98   | 1040558  | 48.46 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.92% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 372260   | 44.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.14% |          |

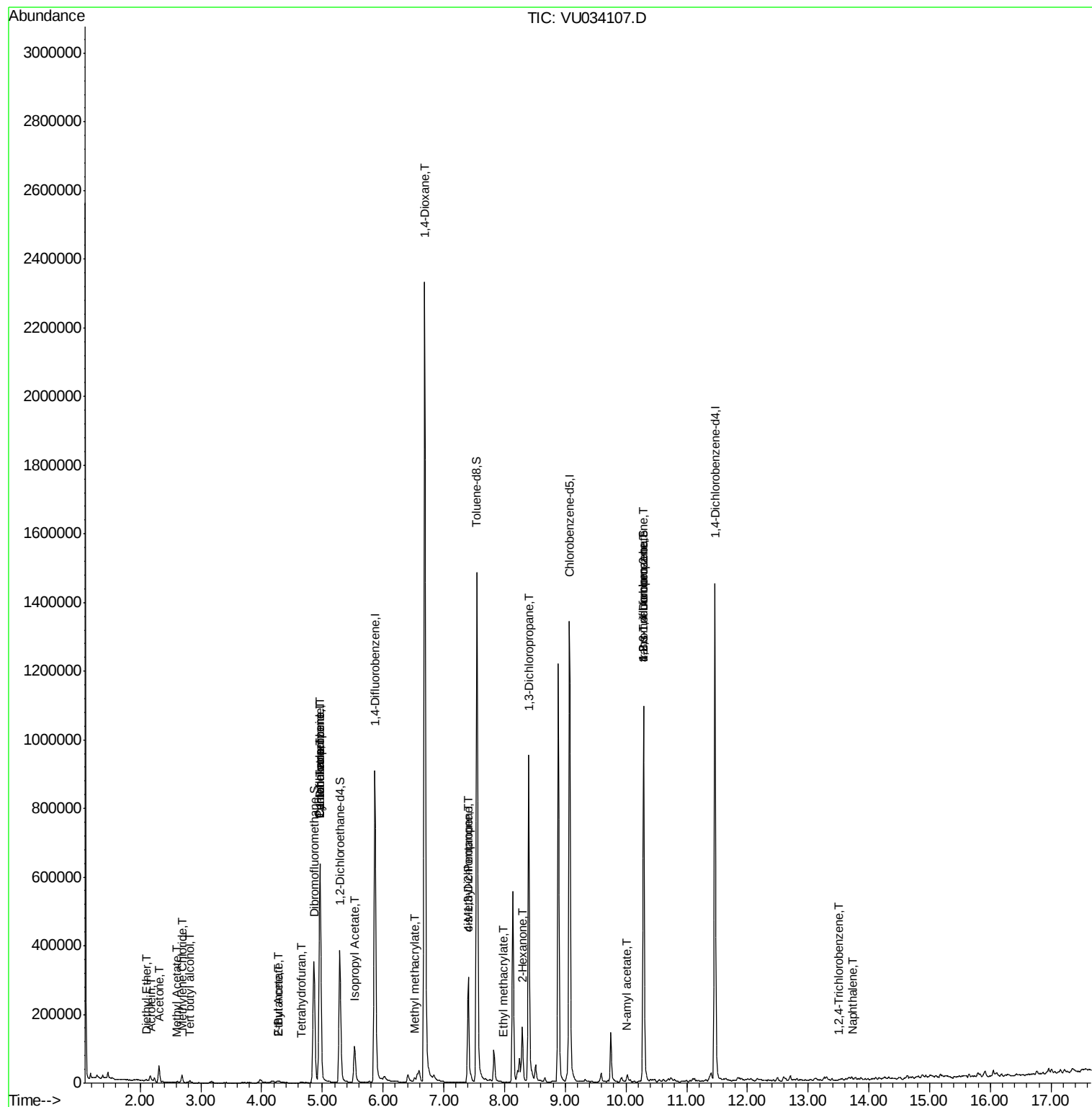
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 846      | Below Cal | #      | 85     |
| 5) Bromomethane                | 1.63  | 94   | 847      | Below Cal |        | 98     |
| 8) Diethyl Ether               | 2.09  | 74   | 1213     | 0.350     | ug/l   | 83     |
| 11) Tert butyl alcohol         | 2.82  | 59   | 4261     | 2.760     | ug/l # | 73     |
| 13) Acrolein                   | 2.18  | 56   | 267      | 0.411     | ug/l # | 1      |
| 16) Acetone                    | 2.31  | 43   | 52236    | 15.292    | ug/l   | 100    |
| 18) Methyl Acetate             | 2.61  | 43   | 4554     | 0.516     | ug/l   | 97     |
| 20) Methylene Chloride         | 2.69  | 84   | 10325    | 1.597     | ug/l   | 89     |
| 25) 2-Butanone                 | 4.26  | 43   | 10505    | 2.210     | ug/l   | 91     |
| 29) Tetrahydrofuran            | 4.65  | 42   | 793      | 0.271     | ug/l # | 46     |
| 31) Cyclohexane                | 4.96  | 56   | 8868     | 0.887     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 4.96  | 75   | 37150    | 4.750     | ug/l # | 48     |
| 37) Ethyl Acetate              | 4.26  | 43   | 10505    | 1.200     | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 4.96  | 117  | 48259    | 6.393     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 5.53  | 43   | 130274   | 9.778     | ug/l   | 100    |
| 48) Methyl methacrylate        | 6.52  | 41   | 11145    | 1.733     | ug/l # | 14     |
| 49) 1,4-Dioxane                | 6.69  | 88   | 375      | 2.328     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 7.40  | 43   | 107859   | 11.722    | ug/l # | 46     |
| 54) cis-1,3-Dichloropropene    | 7.40  | 75   | 58468    | 5.875     | ug/l # | 58     |
| 56) Ethyl methacrylate         | 7.99  | 69   | 290      | 0.999     | ug/l # | 27     |
| 57) 1,3-Dichloropropane        | 8.40  | 76   | 10123    | 0.967     | ug/l # | 43     |
| 59) 2-Hexanone                 | 8.29  | 43   | 128347   | 18.477    | ug/l # | 23     |
| 74) N-amyl acetate             | 10.02 | 43   | 4911     | 0.439     | ug/l # | 5      |
| 76) 1,2,3-Trichloropropane     | 10.29 | 75   | 179637   | 20.112    | ug/l # | 37     |
| 81) trans-1,4-Dichloro-2-buten | 10.29 | 75   | 179637   | 67.724    | ug/l # | 100    |
| 93) 1,2,4-Trichlorobenzene     | 13.52 | 180  | 336      | 1.152     | ug/l   | 93     |
| 95) Naphthalene                | 13.75 | 128  | 2555     | 1.889     | ug/l # | 85     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU083119\  
Data File : VU034107.D  
Acq On : 30 Aug 2019 18:36  
Operator : JC/SP  
Sample : K4529-11  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

Quant Time: Aug 31 03:40:46 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U082919W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 29 04:11:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

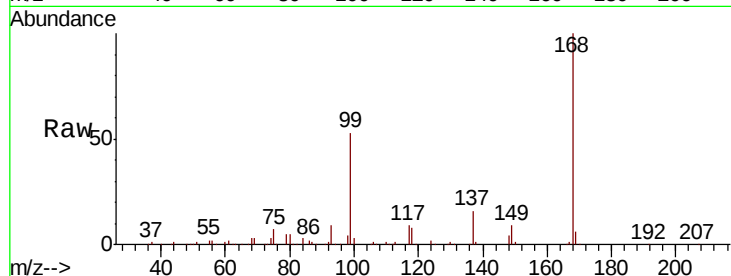
T9-12-13-T1-(1.9)

Tgt Ion:168 Resp: 522488

Ion Ratio Lower Upper

168 100

99 53.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034107.D

Ion 98.90 (98.60 to 99.60): VU034107.D

4.96

250000

200000

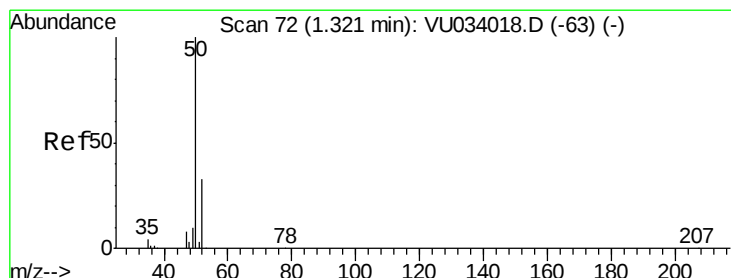
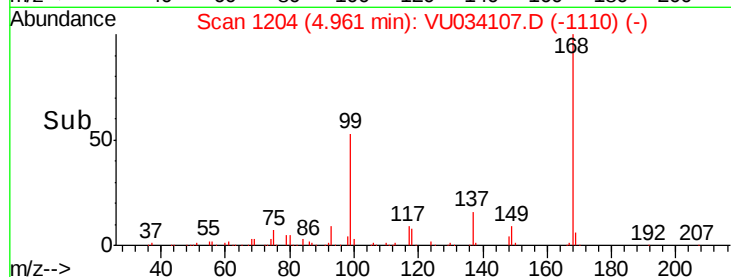
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034107.D

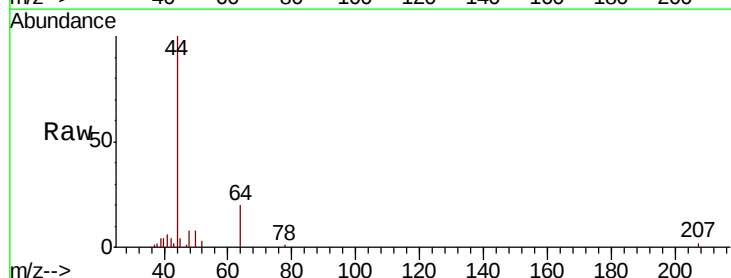
Acq: 30 Aug 2019 18:36

Tgt Ion: 50 Resp: 846

Ion Ratio Lower Upper

50 100

52 41.5 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034107.D

Ion 51.90 (51.60 to 52.60): VU034107.D

1.32

800

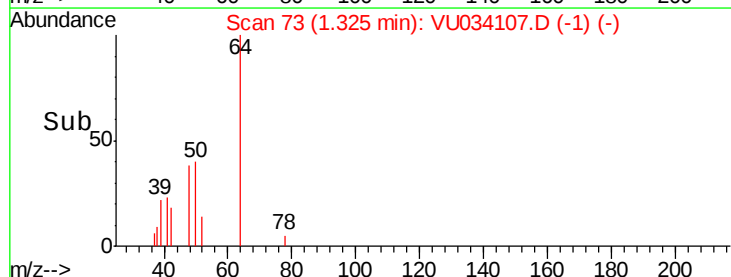
600

400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

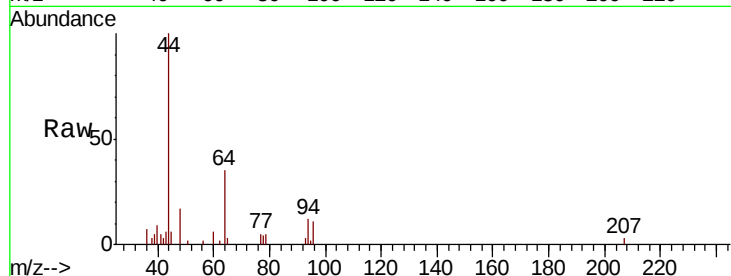
T9-12-13-T1-(1.9)

Tgt Ion: 94 Resp: 847

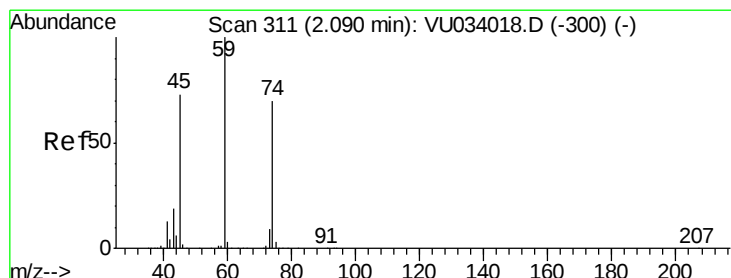
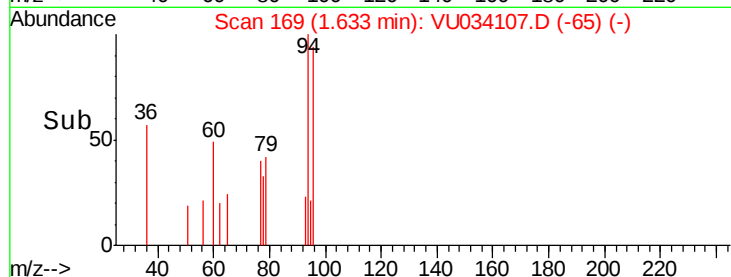
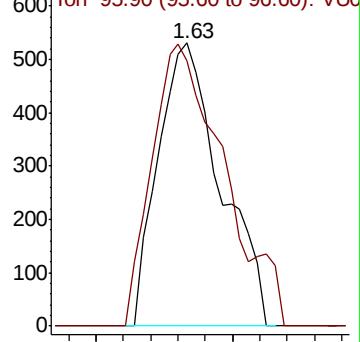
Ion Ratio Lower Upper

94 100

96 93.8 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034107.D (-169) (-)



#8

Diethyl Ether

Concen: 0.350 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034107.D

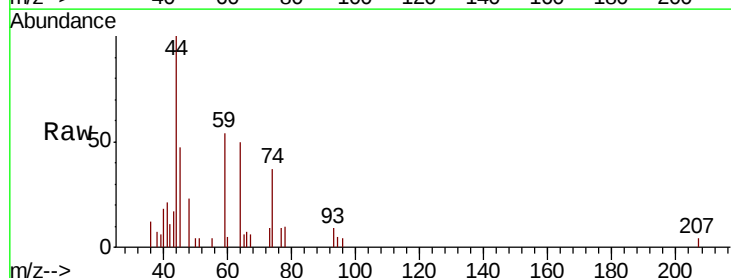
Acq: 30 Aug 2019 18:36

Tgt Ion: 74 Resp: 1213

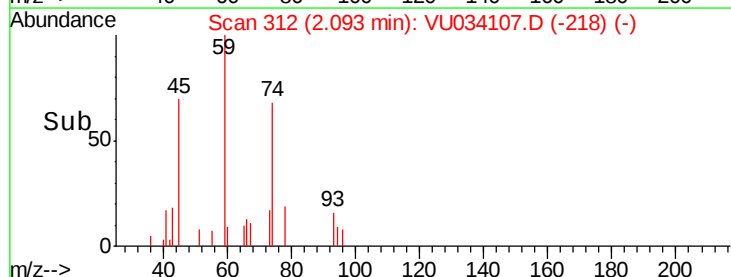
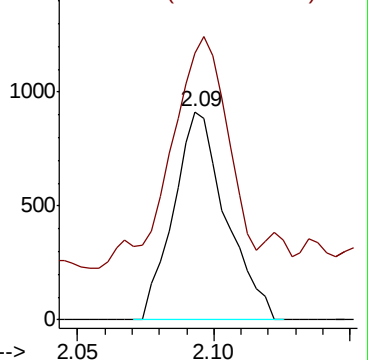
Ion Ratio Lower Upper

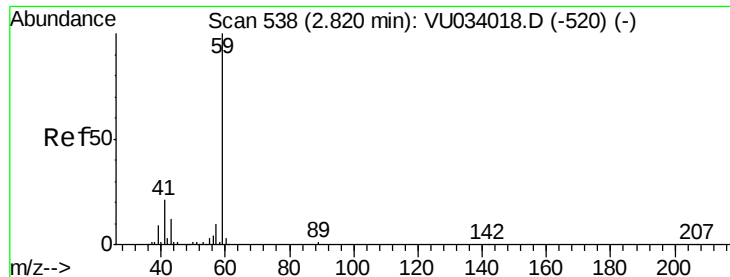
74 100

45 121.5 51.8 155.5



Abundance Ion 74.00 (73.70 to 74.70): VU034107.D (-312) (-)

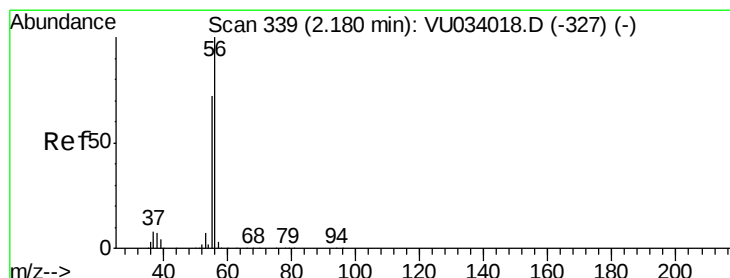
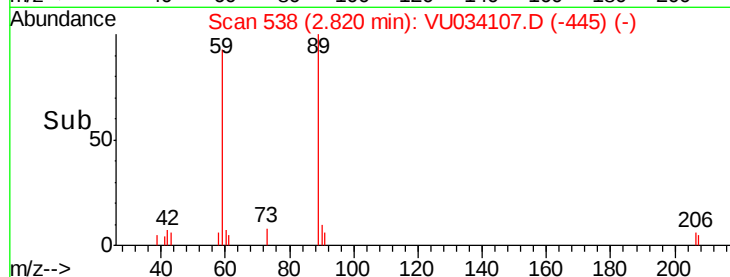
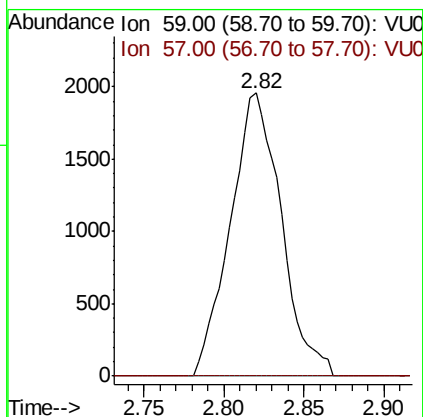
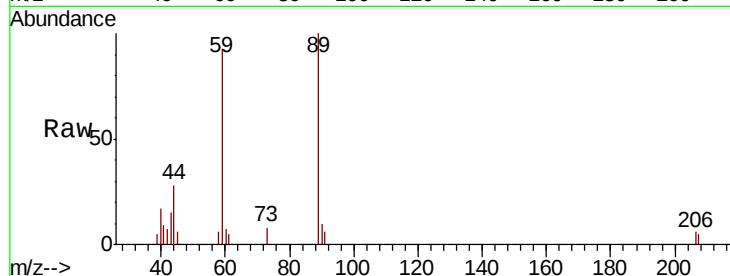




#11  
Tert butyl alcohol  
Concen: 2.760 ug/l  
RT: 2.82 min Scan# 538  
Delta R.T. -0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

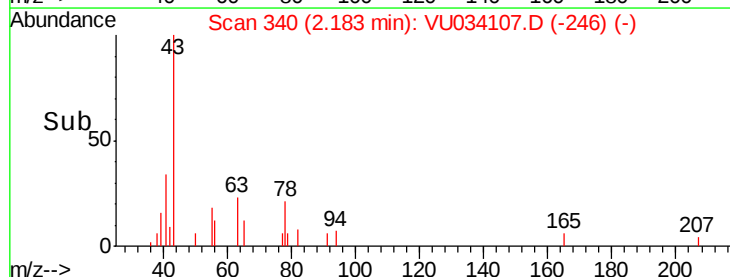
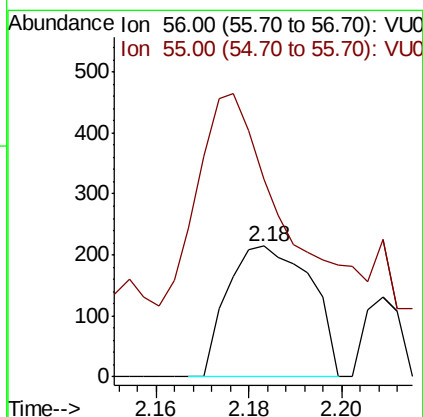
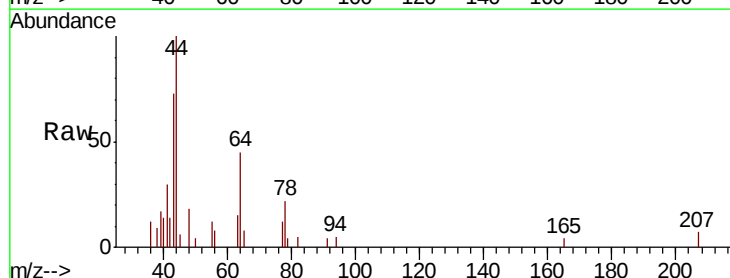
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

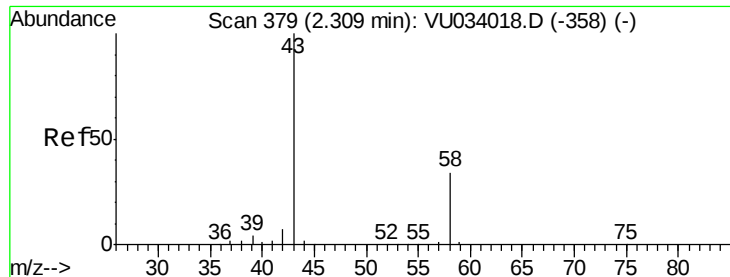
Tgt Ion: 59 Resp: 4261  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#



#13  
Acrolein  
Concen: 0.411 ug/l  
RT: 2.18 min Scan# 340  
Delta R.T. 0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Tgt Ion: 56 Resp: 267  
Ion Ratio Lower Upper  
56 100  
55 307.9 57.1 85.7#





#16

Acetone

Concen: 15.292 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

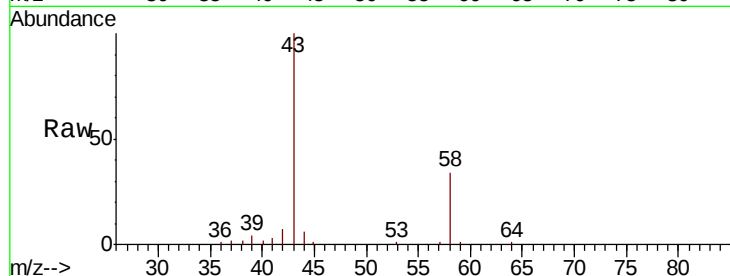
T9-12-13-T1-(1.9)

Tgt Ion: 43 Resp: 52236

Ion Ratio Lower Upper

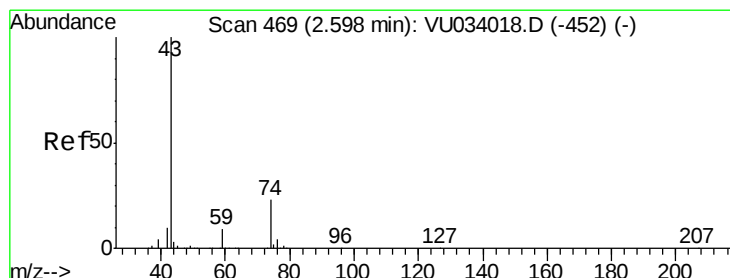
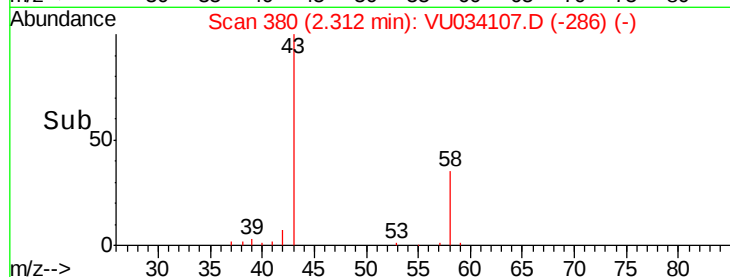
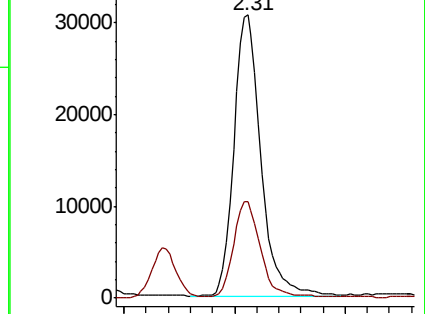
43 100

58 33.7 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034107.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034107.D (-380) (-)



#18

Methyl Acetate

Concen: 0.516 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034107.D

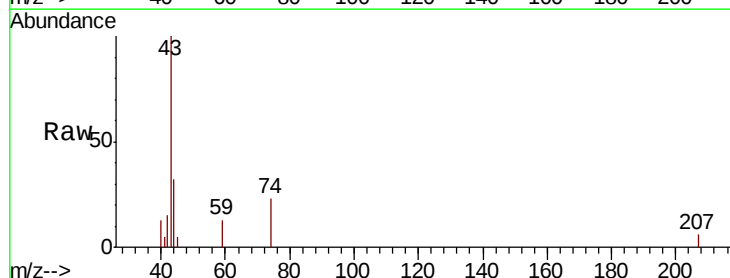
Acq: 30 Aug 2019 18:36

Tgt Ion: 43 Resp: 4554

Ion Ratio Lower Upper

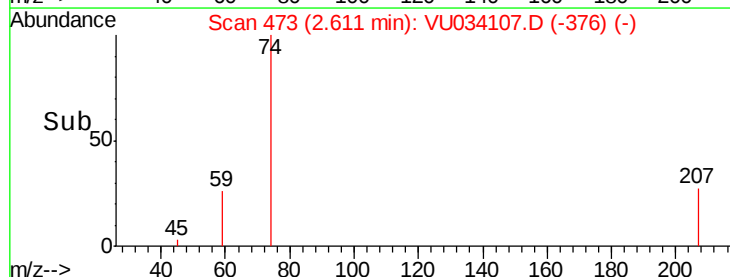
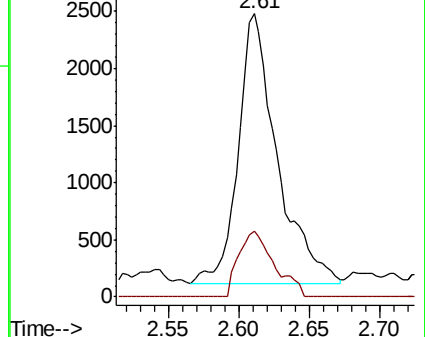
43 100

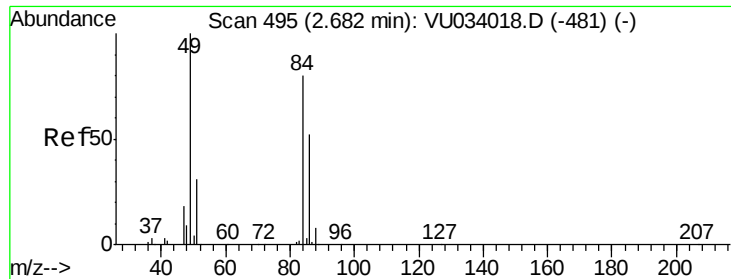
74 22.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034107.D (-473) (-)

Ion 74.00 (73.70 to 74.70): VU034107.D (-473) (-)

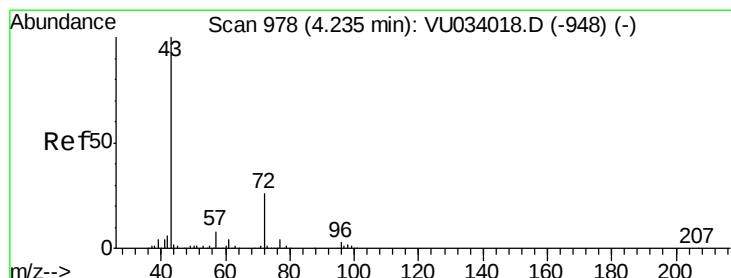
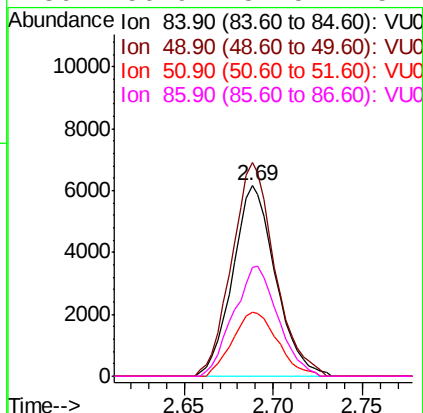
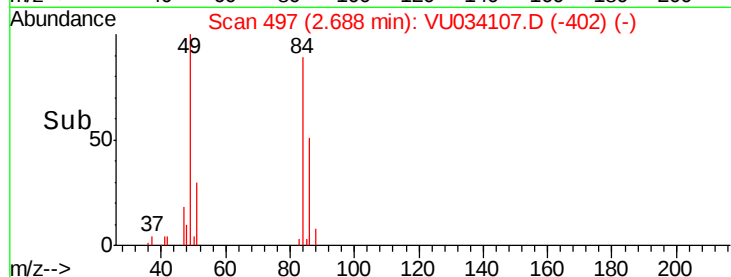
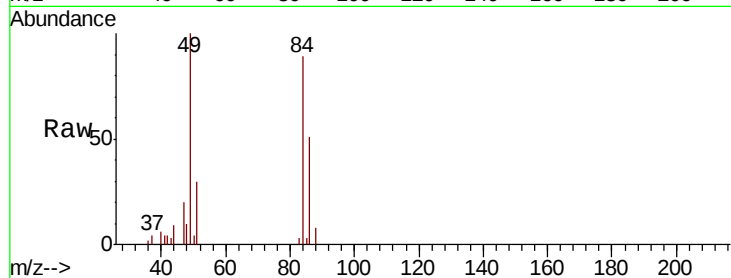




#20  
Methylene Chloride  
Concen: 1.597 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.01 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

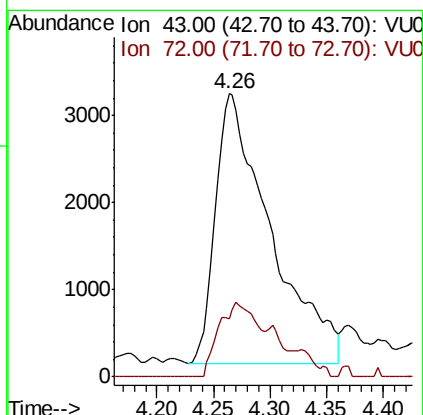
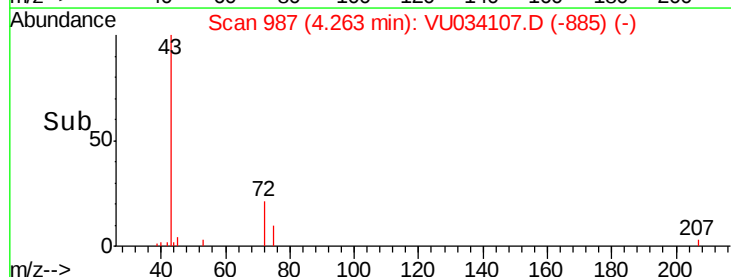
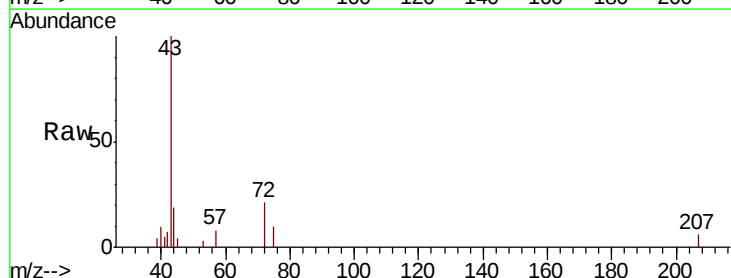
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

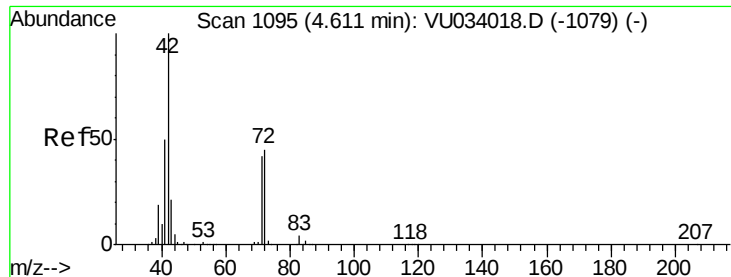
Tgt Ion: 84 Resp: 10325  
Ion Ratio Lower Upper  
84 100  
49 112.3 100.2 150.4  
51 33.8 30.8 46.2  
86 56.9 52.5 78.7



#25  
2-Butanone  
Concen: 2.210 ug/l  
RT: 4.26 min Scan# 987  
Delta R.T. 0.03 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Tgt Ion: 43 Resp: 10505  
Ion Ratio Lower Upper  
43 100  
72 21.6 21.2 31.8





#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.04 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

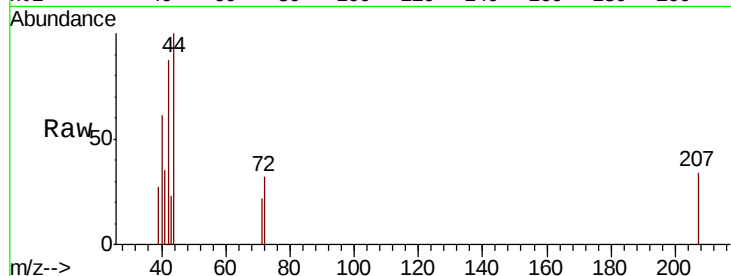
Tgt Ion: 42 Resp: 793

Ion Ratio Lower Upper

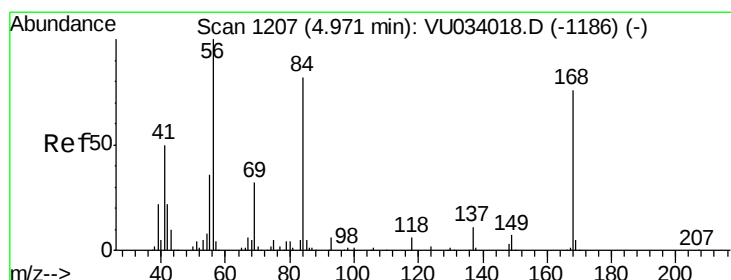
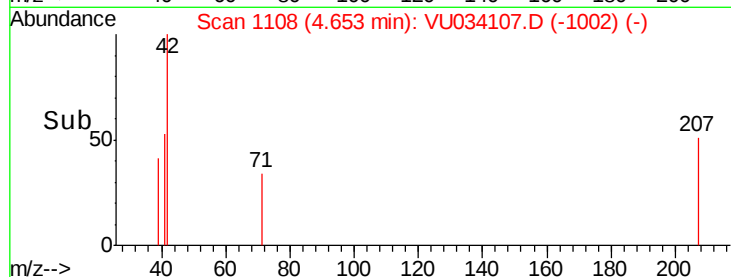
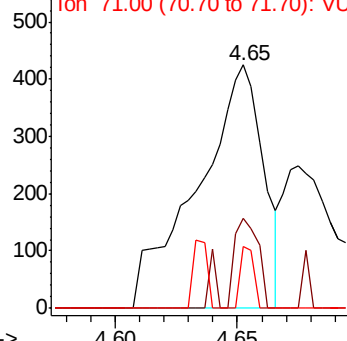
42 100

72 13.0 35.8 53.6#

71 5.0 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VU034107.D (-1108) (-)



#31

Cyclohexane

Concen: 0.887 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

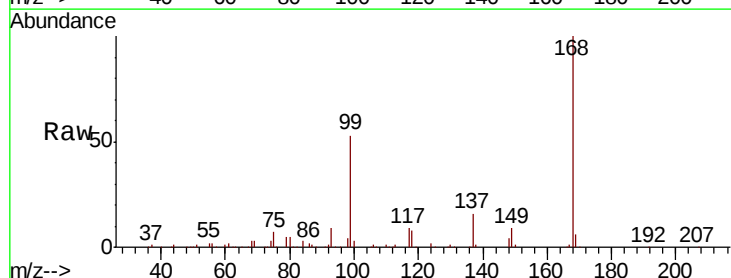
Tgt Ion: 56 Resp: 8868

Ion Ratio Lower Upper

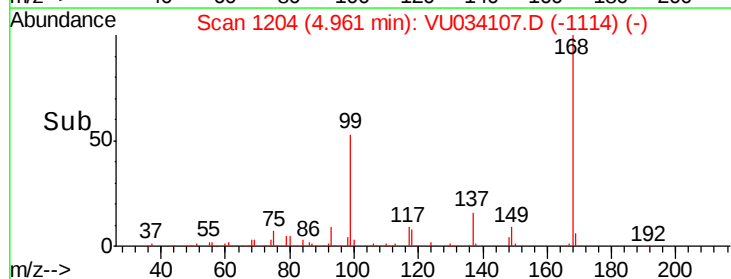
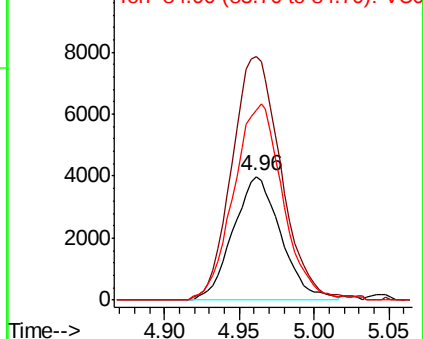
56 100

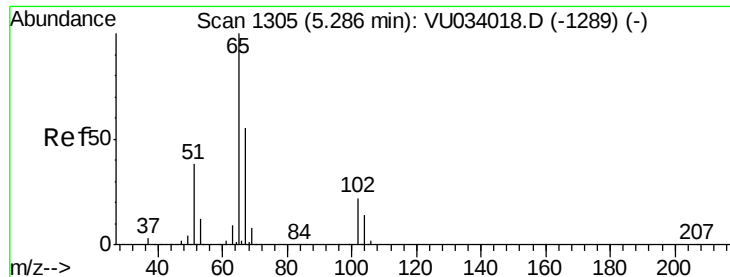
69 197.0 25.4 38.0#

84 153.2 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU034107.D (-1207) (-)

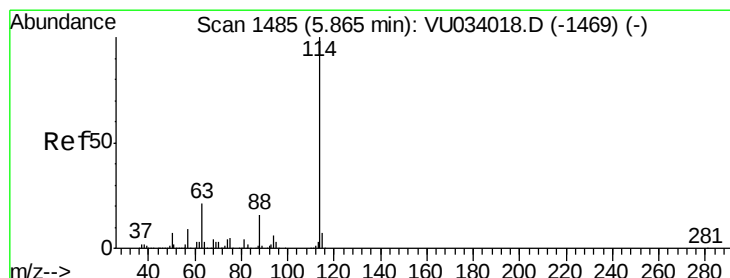
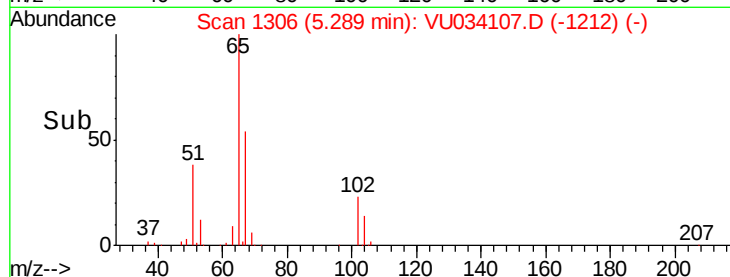
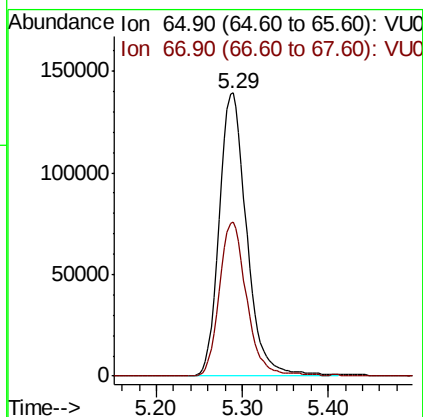
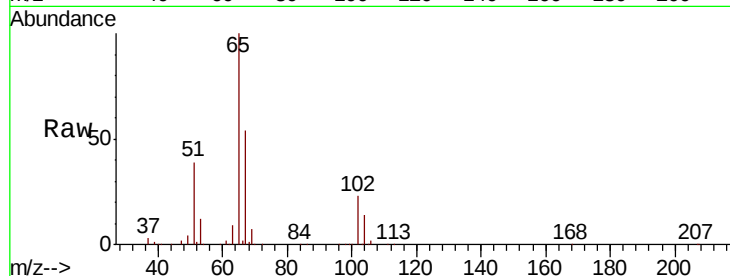




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.340 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034107.D  
 Acq: 30 Aug 2019 18:36

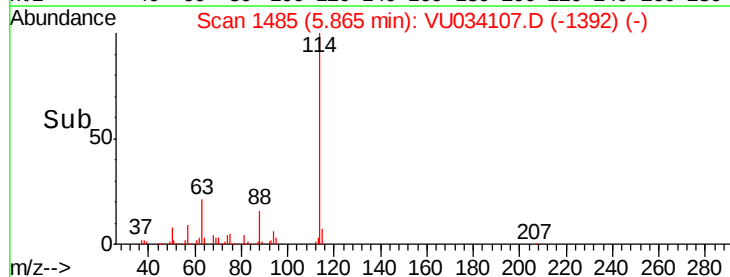
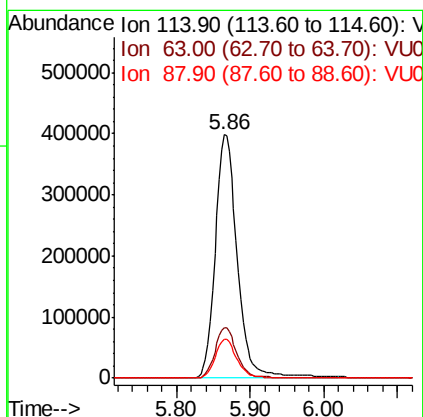
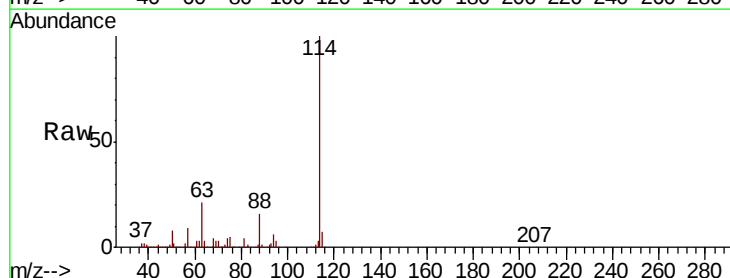
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-T1-(1.9)

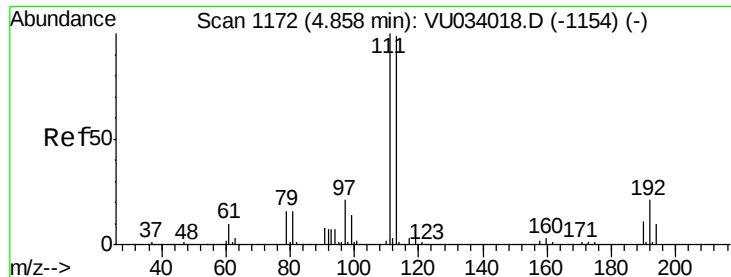
Tgt Ion: 65 Resp: 310242  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.86 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: VU034107.D  
 Acq: 30 Aug 2019 18:36

Tgt Ion: 114 Resp: 826823  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 42.0  
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 44.673 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

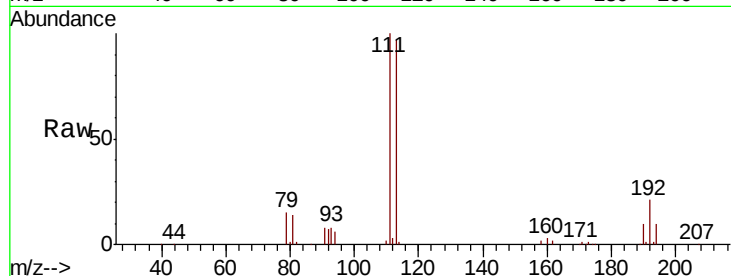
Tgt Ion:113 Resp: 256190

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

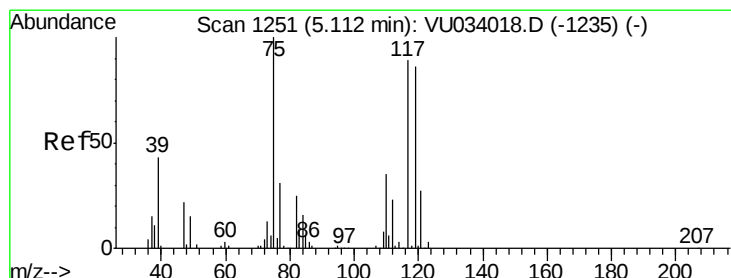
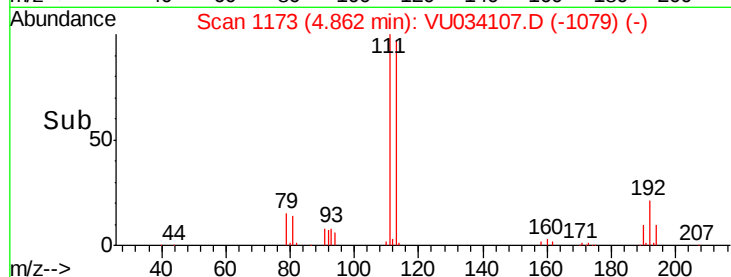
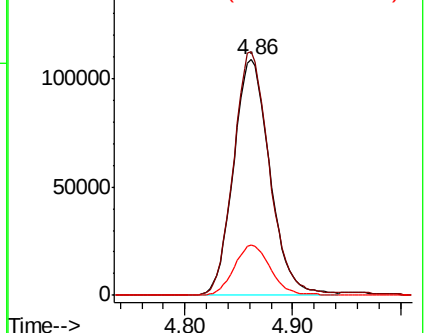
192 21.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

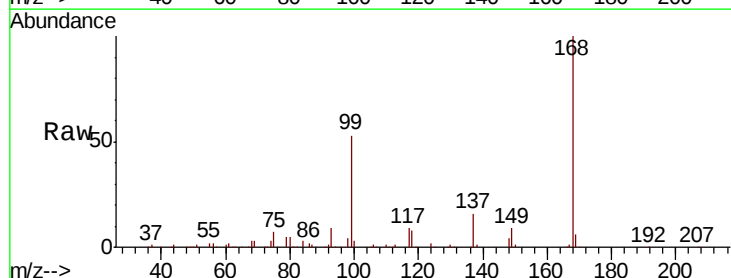
Tgt Ion: 75 Resp: 37150

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.5#

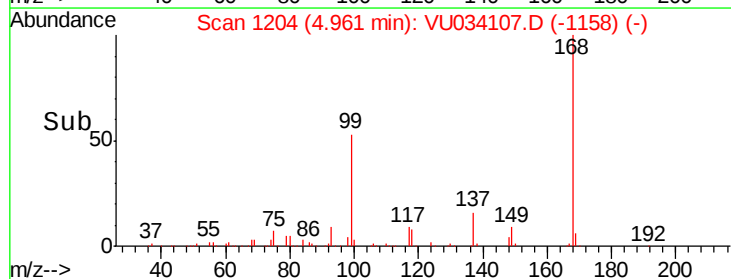
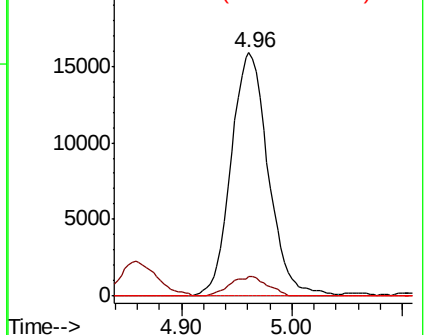
77 0.0 25.0 37.4#

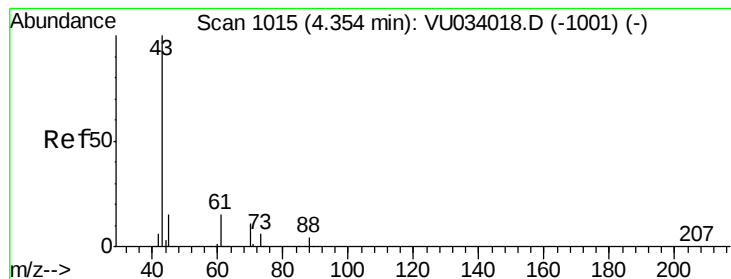


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 1.200 ug/l

RT: 4.26 min Scan# 987

Delta R.T. -0.09 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

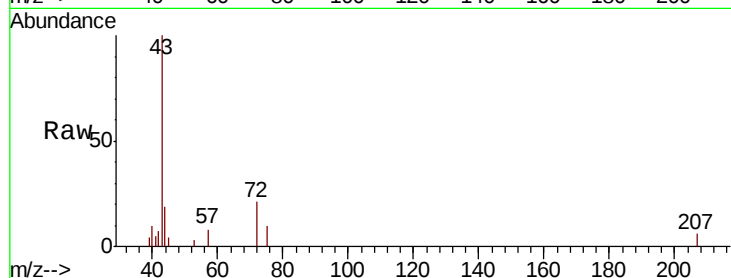
Tgt Ion: 43 Resp: 10505

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VU034107.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VU034107.D (-922) (-)

Ion 70.00 (69.70 to 70.70): VU034107.D (-922) (-)

4.26

3000

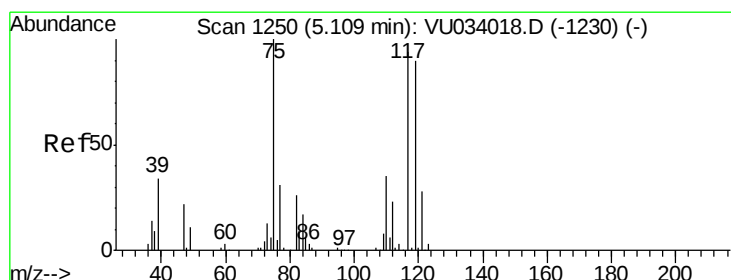
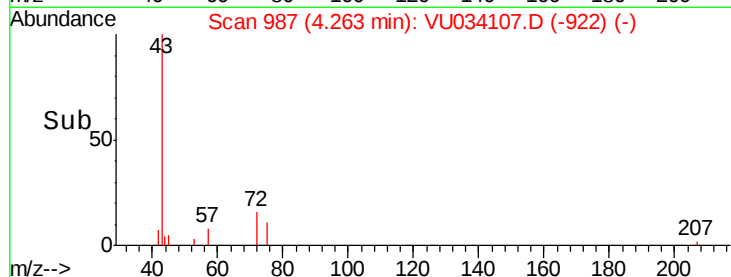
2000

1000

0

4.20 4.25 4.30 4.35 4.40

Time-->



#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

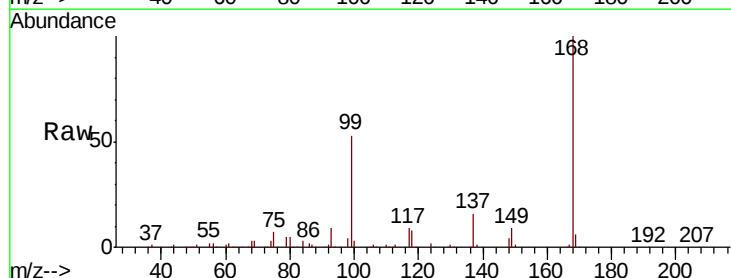
Tgt Ion: 117 Resp: 48259

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.4#

121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): VU034107.D (-1157) (-)

Ion 118.80 (118.50 to 119.50): VU034107.D (-1157) (-)

Ion 120.80 (120.50 to 121.50): VU034107.D (-1157) (-)

4.96

30000

25000

20000

15000

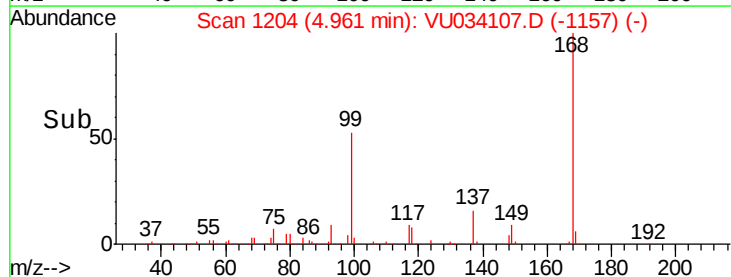
10000

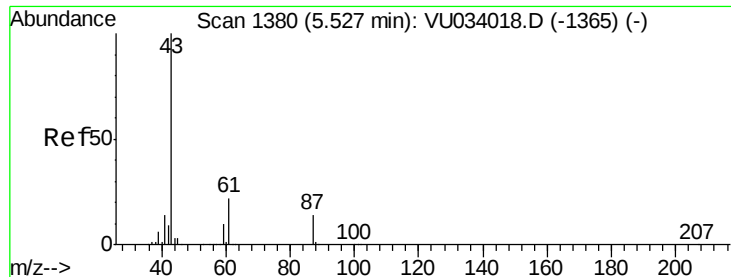
5000

0

4.90 4.95 5.00 5.05

Time-->

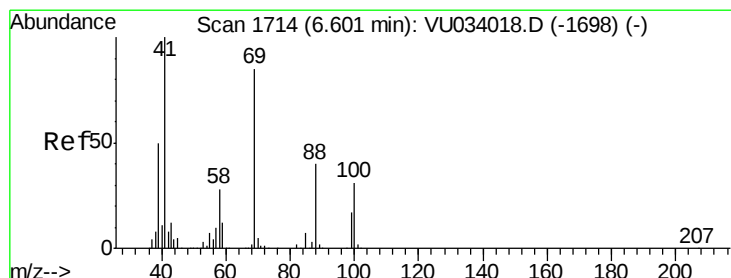
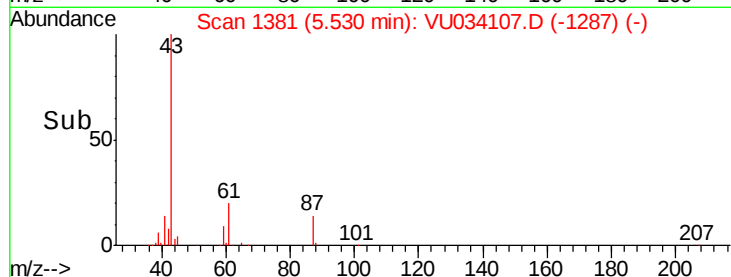
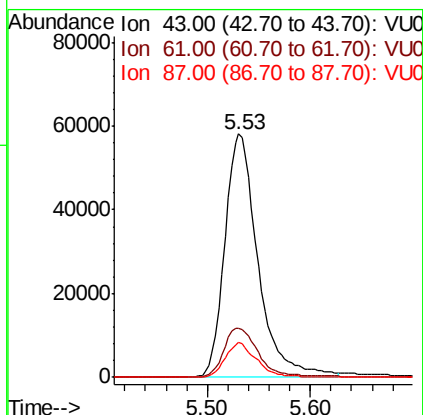
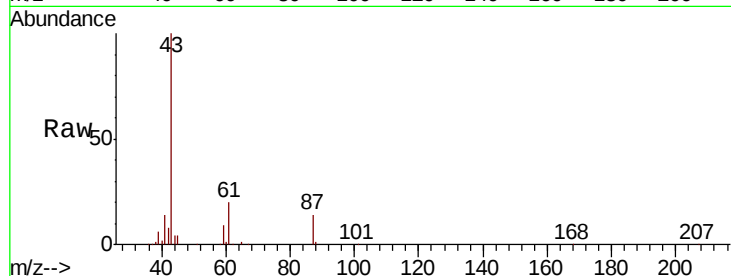




#43  
Isopropyl Acetate  
Concen: 9.778 ug/l  
RT: 5.53 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

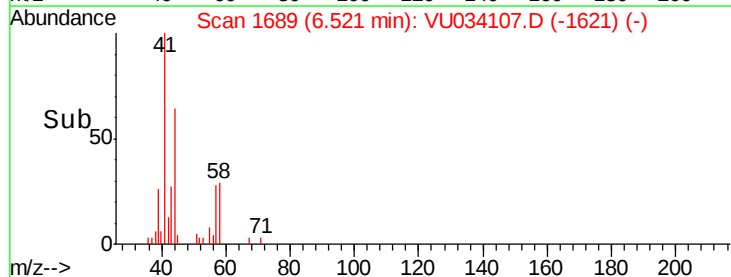
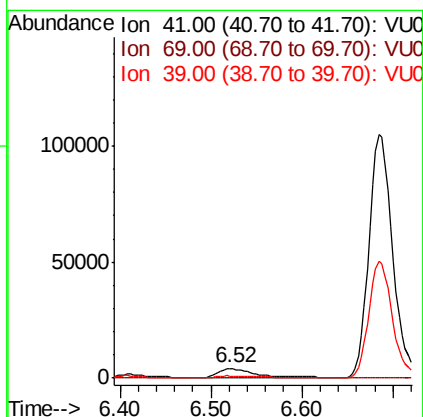
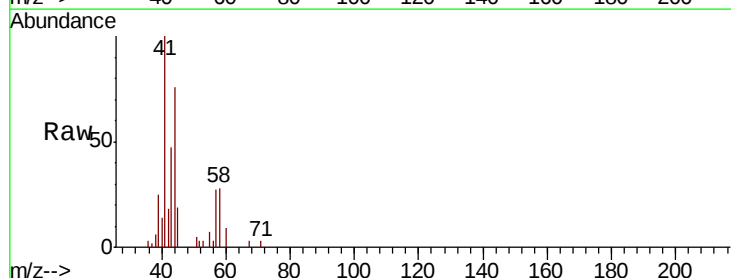
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

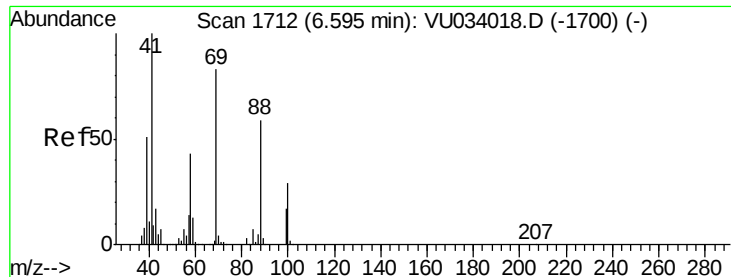
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.3  | 17.2  | 25.8  |
| 87      | 13.4  | 10.8  | 16.2  |



#48  
Methyl methacrylate  
Concen: 1.733 ug/l  
RT: 6.52 min Scan# 1689  
Delta R.T. -0.08 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 69      | 0.0   | 69.5  | 104.3# |
| 39      | 0.0   | 40.3  | 60.5#  |





#49

1,4-Dioxane

Concen: 2.328 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.09 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

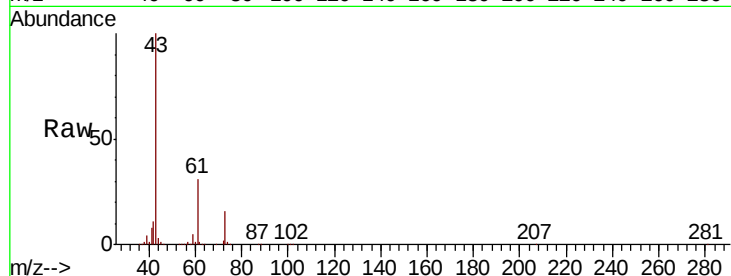
Tgt Ion: 88 Resp: 375

Ion Ratio Lower Upper

88 100

43 612309.1 24.8 37.2#

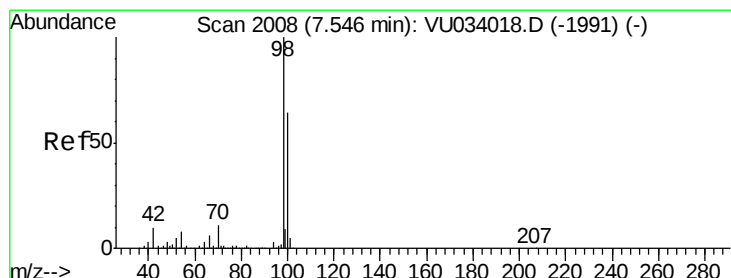
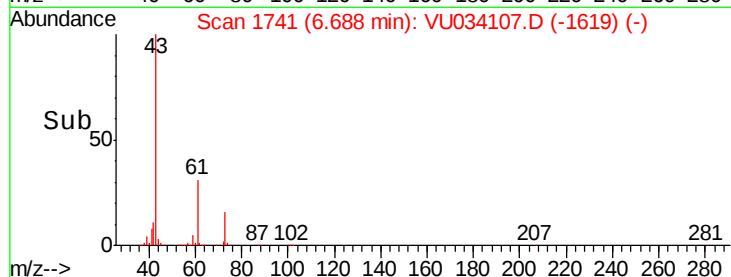
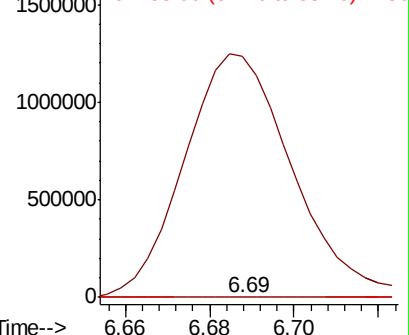
58 2650.1 59.3 88.9#



Abundance Ion 88.00 (87.70 to 88.70): VU034107.D (-1741) (-)

Ion 43.00 (42.70 to 43.70): VU034107.D (-1741) (-)

Ion 58.00 (57.70 to 58.70): VU034107.D (-1741) (-)



#50

Toluene-d8

Concen: 48.459 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034107.D

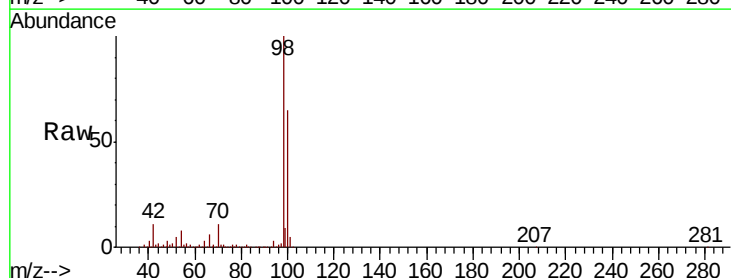
Acq: 30 Aug 2019 18:36

Tgt Ion: 98 Resp: 1040558

Ion Ratio Lower Upper

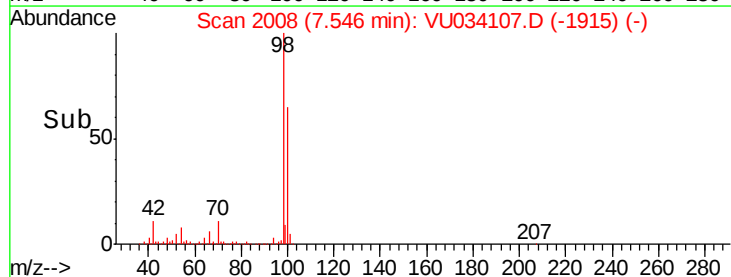
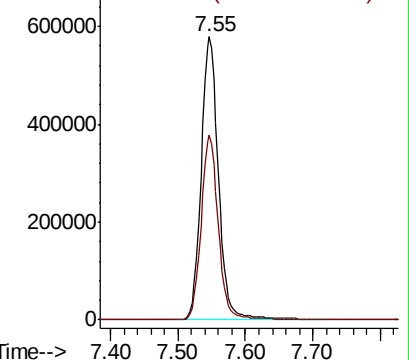
98 100

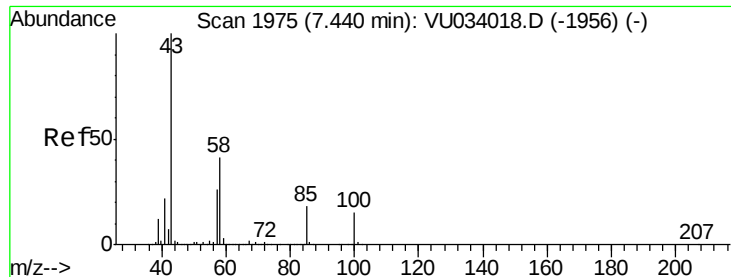
100 64.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034107.D (-2008) (-)

Ion 100.00 (99.70 to 100.70): VU034107.D (-2008) (-)

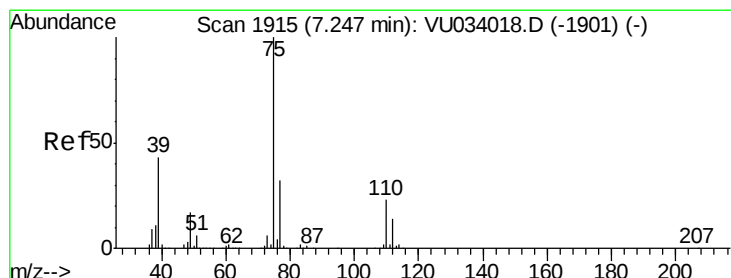
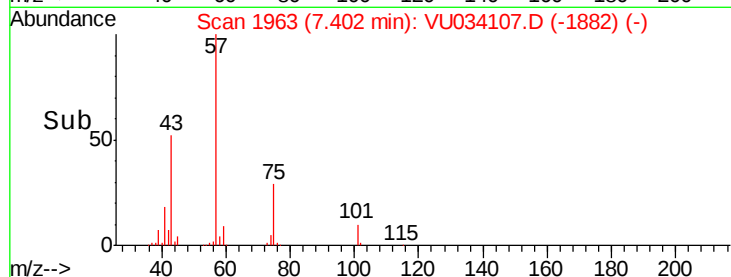
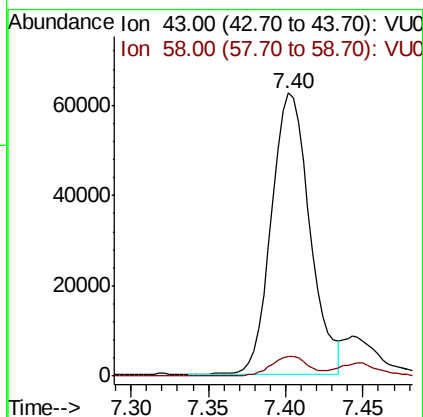
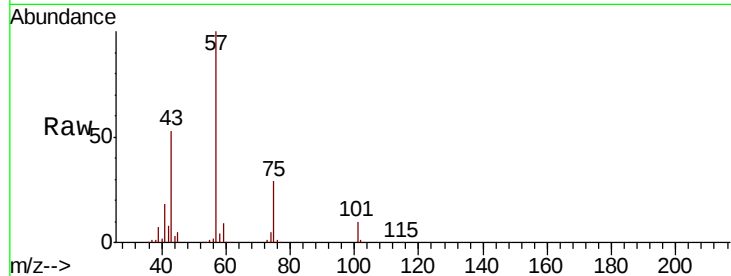




#51  
 4-Methyl-2-Pentanone  
 Concen: 11.722 ug/l  
 RT: 7.40 min Scan# 1963  
 Delta R.T. -0.04 min  
 Lab File: VU034107.D  
 Acq: 30 Aug 2019 18:36

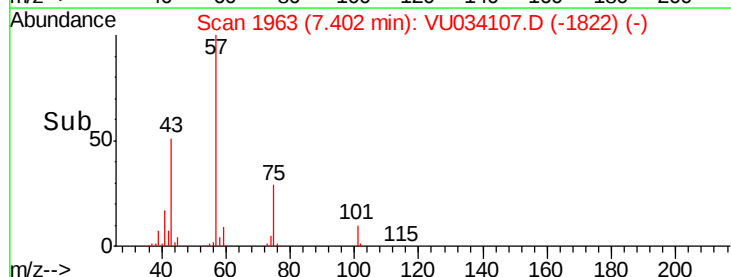
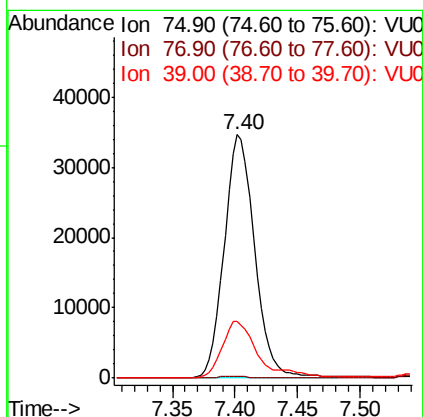
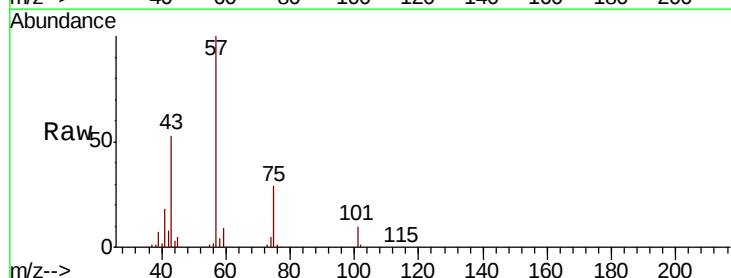
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-T1-(1.9)

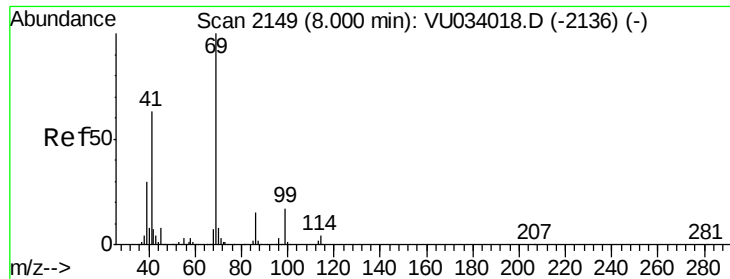
Tgt Ion: 43 Resp: 107859  
 Ion Ratio Lower Upper  
 43 100  
 58 6.8 32.2 48.4#



#54  
 cis-1,3-Dichloropropene  
 Concen: 5.875 ug/l  
 RT: 7.40 min Scan# 1963  
 Delta R.T. 0.15 min  
 Lab File: VU034107.D  
 Acq: 30 Aug 2019 18:36

Tgt Ion: 75 Resp: 58468  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 25.2 37.8#  
 39 23.2 34.6 51.8#

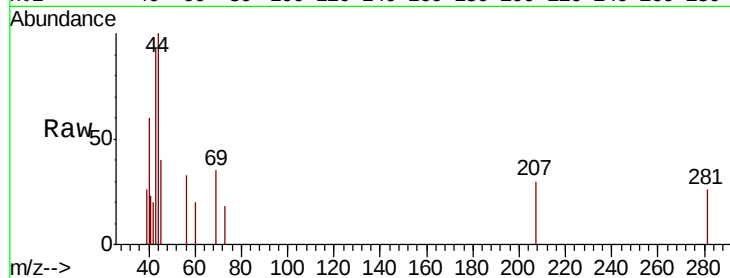




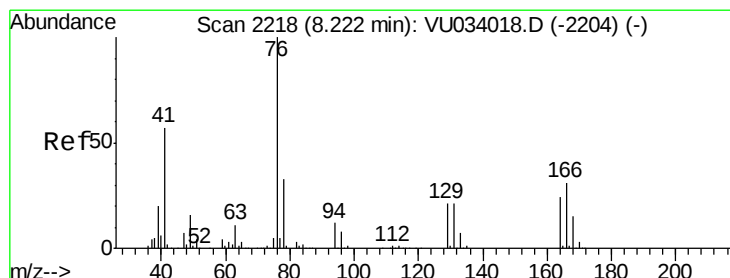
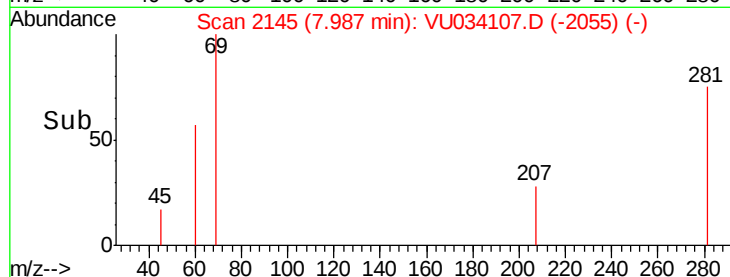
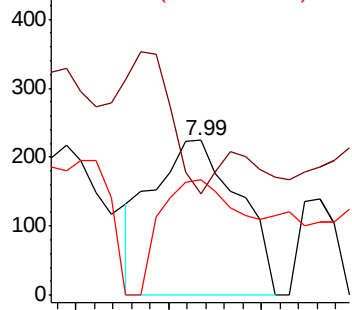
#56  
Ethyl methacrylate  
Concen: 0.999 ug/l  
RT: 7.99 min Scan# 2145  
Delta R.T. -0.01 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

Tgt Ion: 69 Resp: 290  
Ion Ratio Lower Upper  
69 100  
41 0.0 50.7 76.1#  
39 0.0 24.2 36.2#

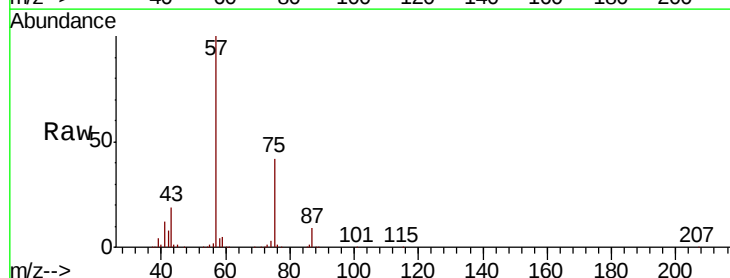


Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0

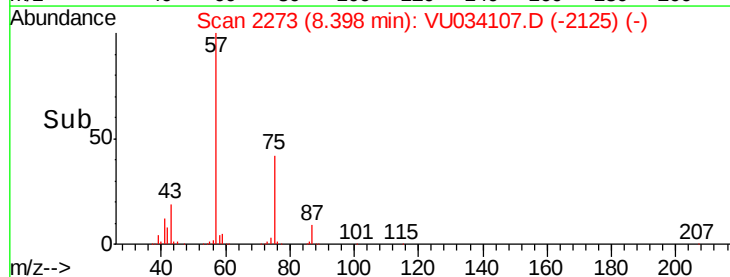
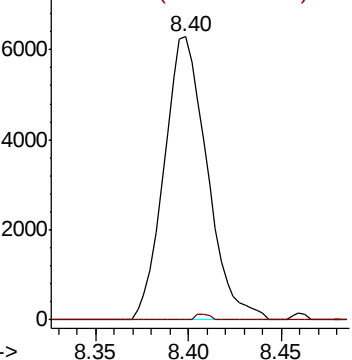


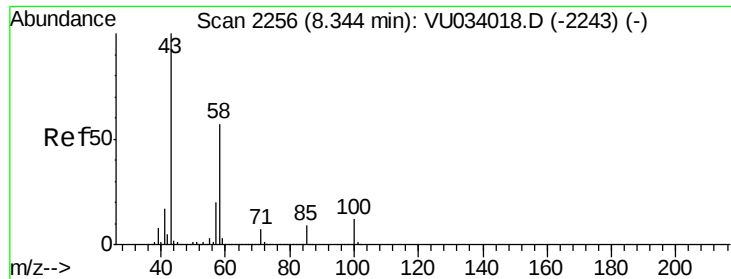
#57  
1,3-Dichloropropane  
Concen: 0.967 ug/l  
RT: 8.40 min Scan# 2273  
Delta R.T. 0.18 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Tgt Ion: 76 Resp: 10123  
Ion Ratio Lower Upper  
76 100  
78 0.7 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VU0  
Ion 77.90 (77.60 to 78.60): VU0

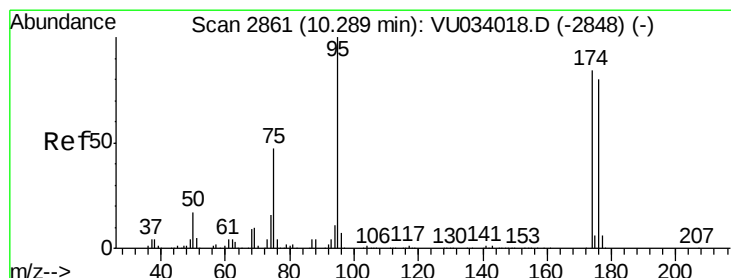
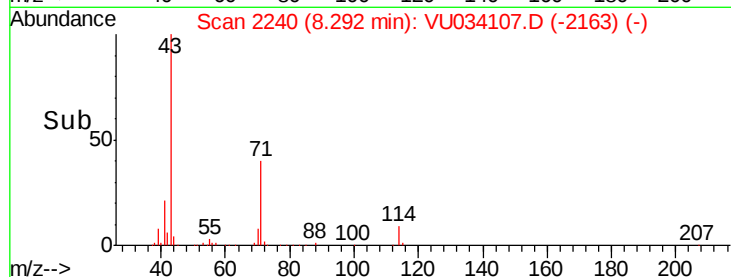
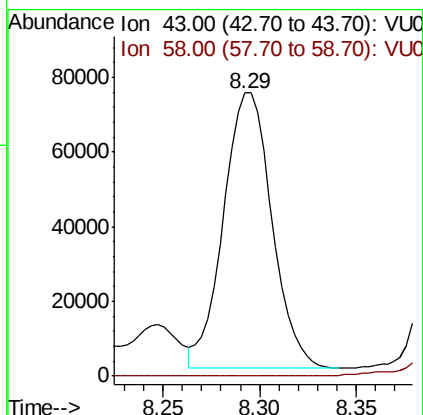
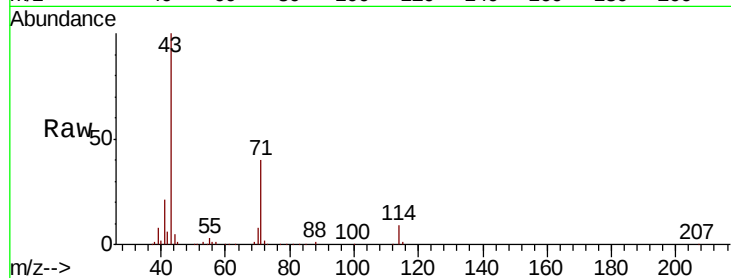




#59  
2-Hexanone  
Concen: 18.477 ug/l  
RT: 8.29 min Scan# 2240  
Delta R.T. -0.05 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

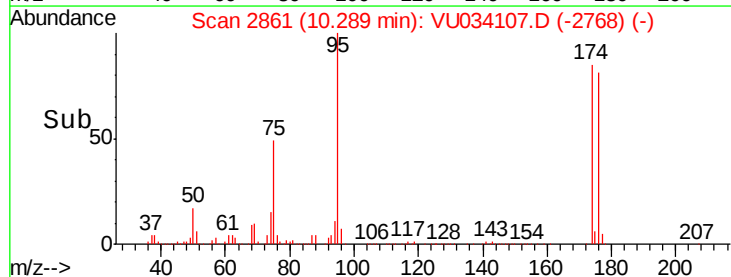
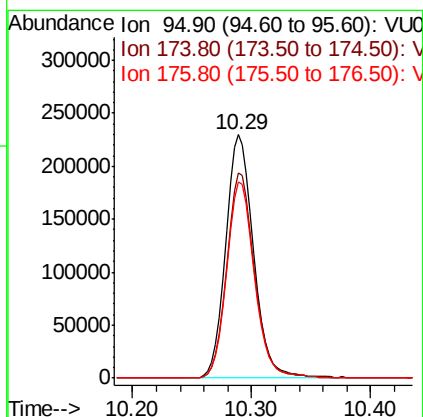
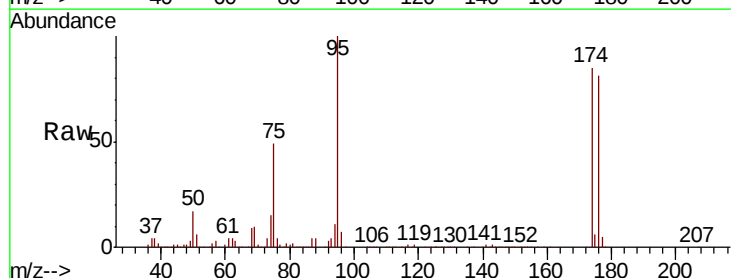
Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

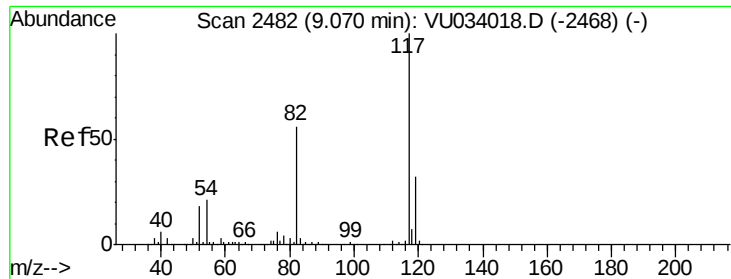
Tgt Ion: 43 Resp: 128347  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.4 85.3#



#62  
4-Bromofluorobenzene  
Concen: 44.567 ug/l  
RT: 10.29 min Scan# 2861  
Delta R.T. -0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Tgt Ion: 95 Resp: 372260  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 168.8  
176 80.7 0.0 161.8

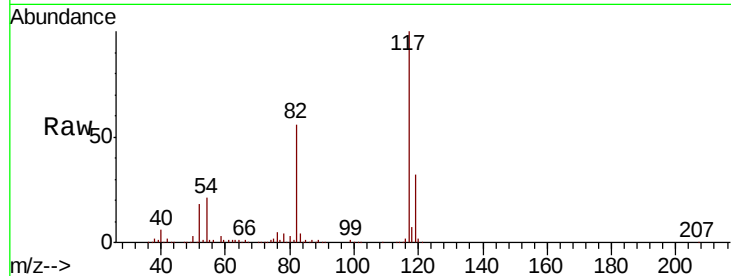




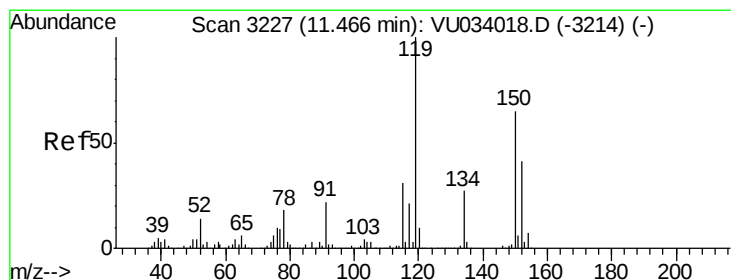
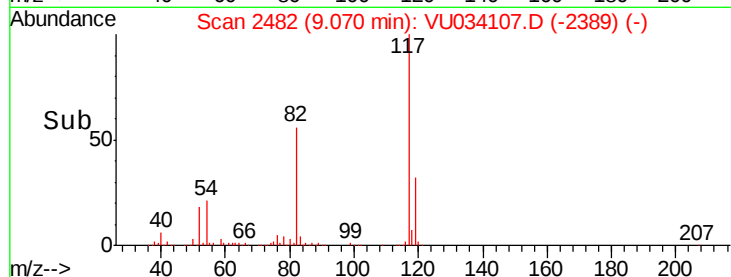
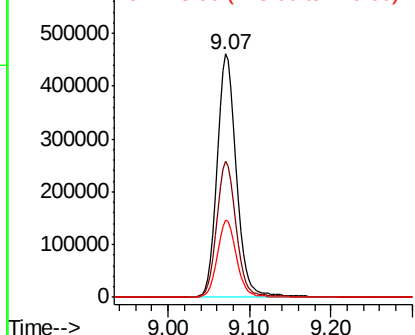
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. -0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Instrument :  
MSVOA\_U  
ClientSampleId :  
T9-12-13-T1-(1.9)

Tgt Ion:117 Resp: 779105  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.1 67.7  
119 31.7 25.4 38.0

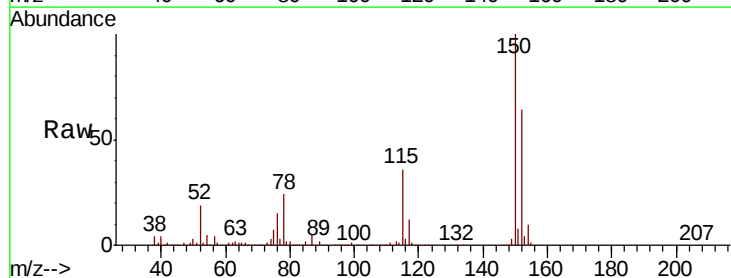


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

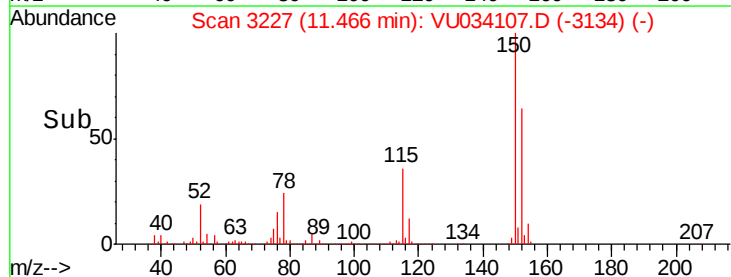
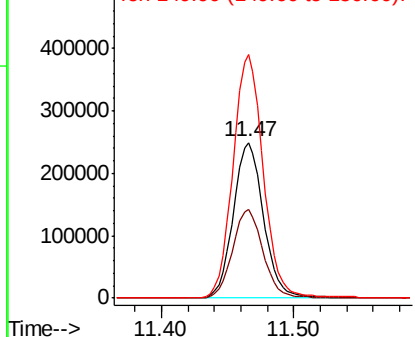


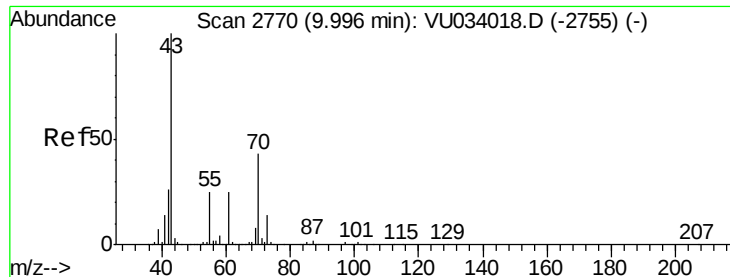
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.47 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VU034107.D  
Acq: 30 Aug 2019 18:36

Tgt Ion:152 Resp: 396287  
Ion Ratio Lower Upper  
152 100  
115 57.1 41.1 123.3  
150 157.2 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.439 ug/l

RT: 10.02 min Scan# 2778

Delta R.T. 0.03 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

Tgt Ion: 43 Resp: 4911

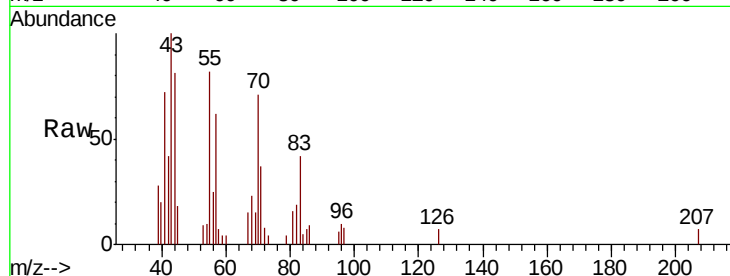
Ion Ratio Lower Upper

43 100

70 113.1 35.2 52.8#

55 84.9 20.5 30.7#

61 0.0 20.0 30.0#

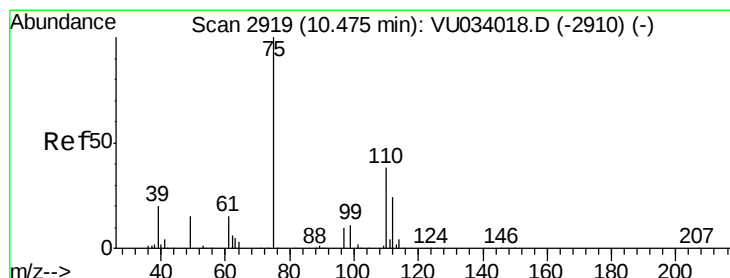
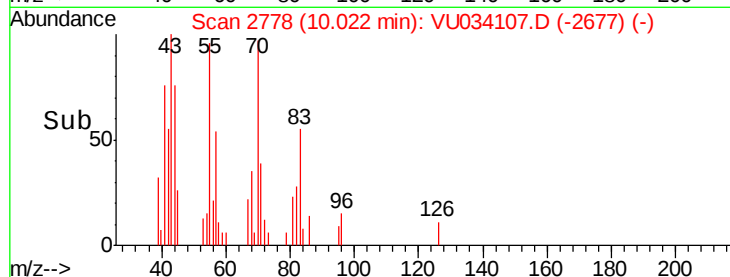
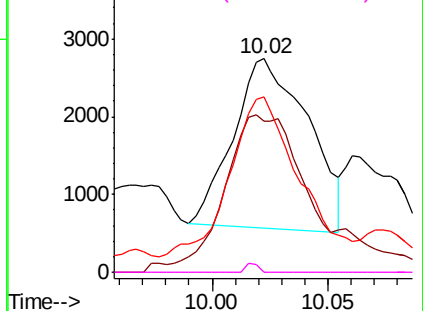


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 20.112 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034107.D

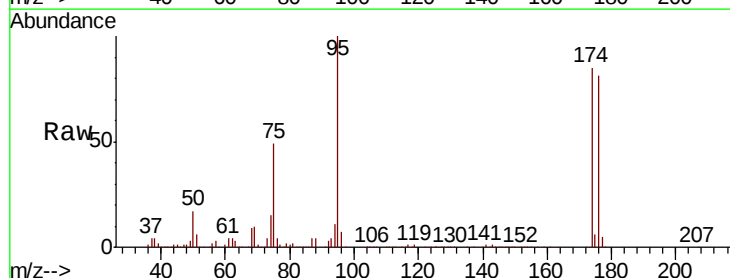
Acq: 30 Aug 2019 18:36

Tgt Ion: 75 Resp: 179637

Ion Ratio Lower Upper

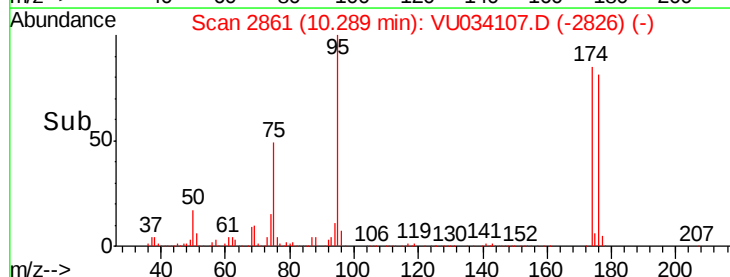
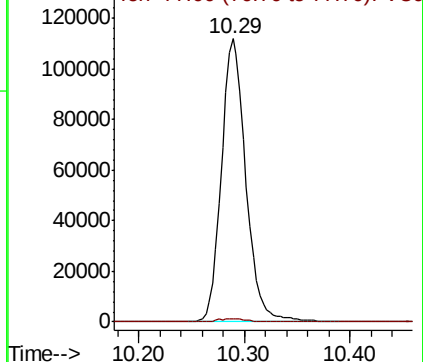
75 100

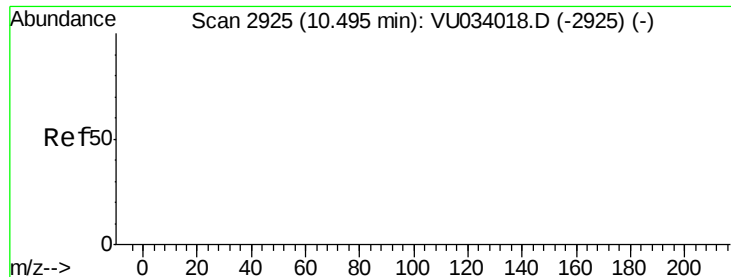
77 1.2 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.724 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

Instrument :

MSVOA\_U

ClientSampleId :

T9-12-13-T1-(1.9)

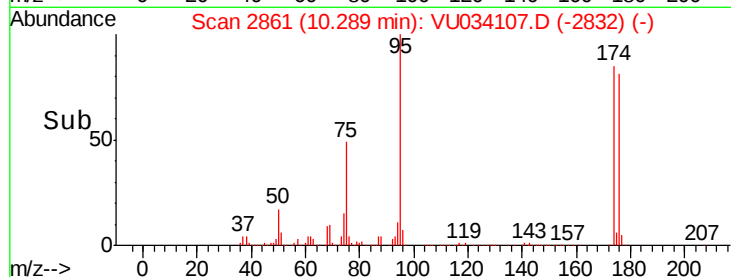
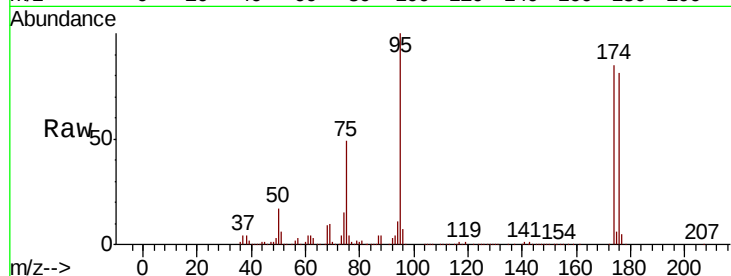
Tgt Ion: 75 Resp: 179637

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

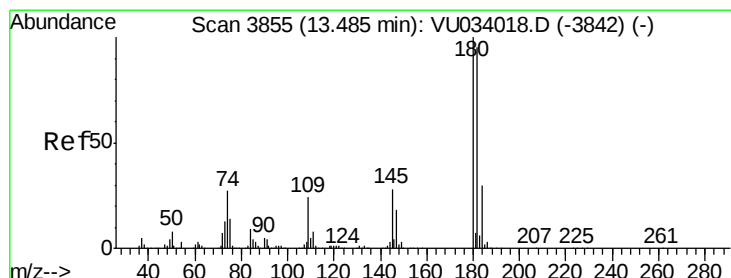
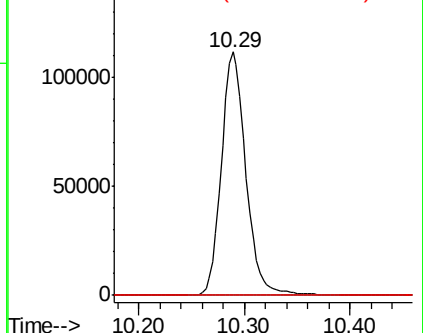
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034107.D

Ion 53.00 (52.70 to 53.70): VU034107.D

Ion 88.90 (88.60 to 89.60): VU034107.D



#93

1,2,4-Trichlorobenzene

Concen: 1.152 ug/l

RT: 13.52 min Scan# 3865

Delta R.T. 0.03 min

Lab File: VU034107.D

Acq: 30 Aug 2019 18:36

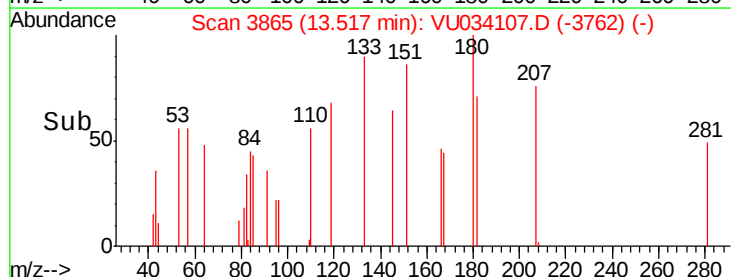
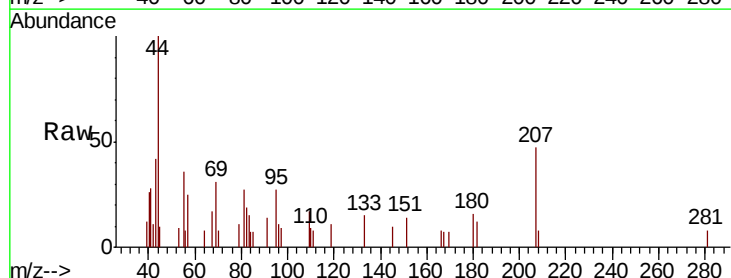
Tgt Ion: 180 Resp: 336

Ion Ratio Lower Upper

180 100

182 100.3 47.4 142.2

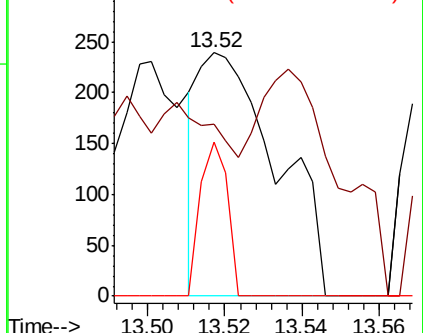
145 22.0 14.1 42.3

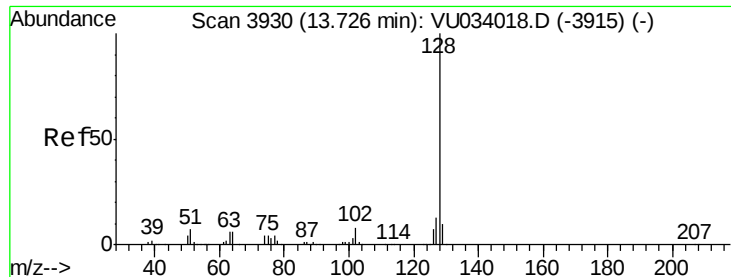


Abundance Ion 179.80 (179.50 to 180.50): VU034107.D

Ion 181.80 (181.50 to 182.50): VU034107.D

Ion 144.80 (144.50 to 145.50): VU034107.D





#95  
 Naphthalene  
 Concen: 1.889 ug/l  
 RT: 13.75 min Scan# 3936  
 Delta R.T. 0.02 min  
 Lab File: VU034107.D  
 Acq: 30 Aug 2019 18:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 T9-12-13-T1-(1.9)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 7.6   | 10.2  | 15.4# |
| 129     | 3.6   | 8.4   | 12.6# |

