

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU090719\  
 Data File : VU034341.D  
 Acq On : 06 Sep 2019 19:17  
 Operator : JC/SP  
 Sample : K4689-01 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

Quant Time: Sep 07 04:09:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 292764   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.87  | 114  | 444158   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 442529   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 297812   | 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   | 227689   | 51.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.80% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 201337   | 48.72 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.44%  |          |
| 50) Toluene-d8              | 7.55  | 98   | 763916   | 49.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.40%  |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 283104   | 47.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.44%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.61  | 94   | 92       | Below Cal |        | 86     |
| 6) Chloroethane                | 1.74  | 64   | 170      | Below Cal | #      | 43     |
| 11) Tert butyl alcohol         | 2.81  | 59   | 223      | 0.238     | ug/l # | 73     |
| 16) Acetone                    | 2.31  | 43   | 4951     | 2.160     | ug/l   | 95     |
| 20) Methylene Chloride         | 2.69  | 84   | 796      | Below Cal | #      | 80     |
| 31) Cyclohexane                | 4.96  | 56   | 4736     | 0.913     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 4.96  | 75   | 19317    | 4.010     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 4.96  | 117  | 26113    | 5.077     | ug/l # | 16     |
| 40) Benzene                    | 5.37  | 78   | 123197   | 7.926     | ug/l   | 99     |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 1499     | 0.278     | ug/l # | 73     |
| 52) Toluene                    | 7.62  | 92   | 107348   | 11.010    | ug/l   | 99     |
| 59) 2-Hexanone                 | 8.30  | 43   | 943      | 0.205     | ug/l # | 22     |
| 67) Ethyl Benzene              | 9.23  | 91   | 109368   | 5.958     | ug/l   | 98     |
| 68) m/p-Xylenes                | 9.36  | 106  | 84982    | 12.294    | ug/l   | 93     |
| 69) o-Xylene                   | 9.76  | 106  | 47118    | 6.970     | ug/l   | 99     |
| 70) Styrene                    | 9.77  | 104  | 12018    | 1.014     | ug/l # | 45     |
| 73) Isopropylbenzene           | 10.15 | 105  | 11360    | 0.586     | ug/l   | 97     |
| 76) 1,2,3-Trichloropropane     | 10.29 | 75   | 130854   | 20.129    | ug/l # | 36     |
| 78) n-propylbenzene            | 10.57 | 91   | 7660     | 0.342     | ug/l   | 94     |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 10088    | 0.739     | ug/l # | 58     |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 29822    | 1.840     | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 10.29 | 75   | 130854   | 67.693    | ug/l # | 100    |
| 82) 4-Chlorotoluene            | 10.76 | 91   | 4424     | 0.281     | ug/l # | 44     |
| 83) tert-Butylbenzene          | 11.13 | 119  | 14076    | 0.868     | ug/l # | 56     |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 104202   | 6.386     | ug/l   | 97     |
| 85) sec-Butylbenzene           | 11.13 | 105  | 104202   | 5.443     | ug/l # | 56     |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 34958    | 1.979     | ug/l   | 95     |
| 89) n-Butylbenzene             | 11.75 | 91   | 81087    | 5.281     | ug/l # | 44     |
| 90) Hexachloroethane           | 12.23 | 117  | 1874     | 0.663     | ug/l # | 5      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.68 | 75   | 8135     | 5.643     | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 13.48 | 180  | 352      | 3.498     | ug/l # | 66     |
| 95) Naphthalene                | 13.72 | 128  | 5418450  | 255.302   | ug/l   | 99     |
| 96) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 133      | 2.657     | ug/l # | 1      |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1A

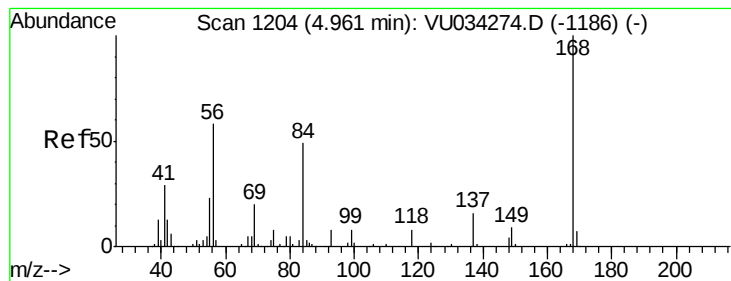
Quant Time: Sep 07 04:09:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 2019  
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|--------------------|------|------|----------|------|-------|----------|

-----

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

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ALS Vial : 28 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

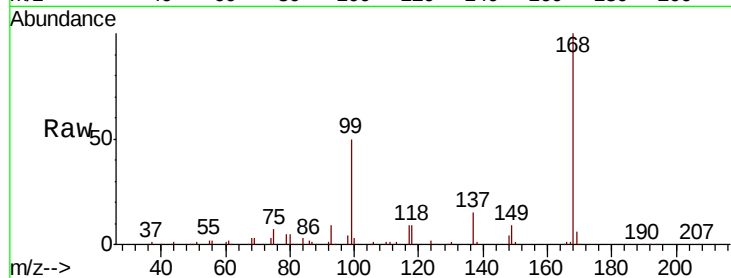
MW-1A

Tgt Ion: 168 Resp: 292764

Ion Ratio Lower Upper

168 100

99 50.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

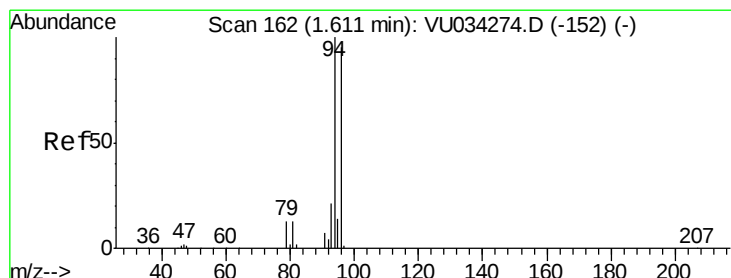
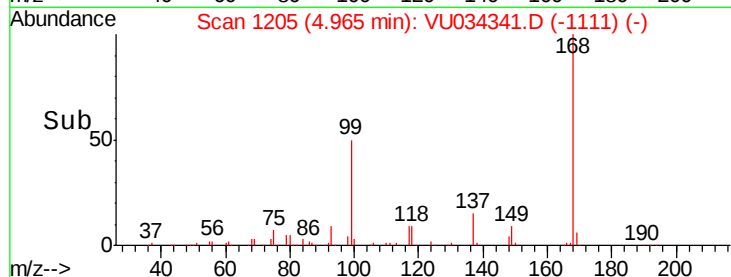
150000

100000

50000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034341.D

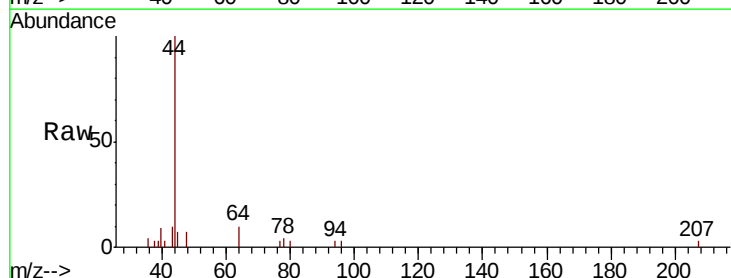
Acq: 06 Sep 2019 19:17

Tgt Ion: 94 Resp: 92

Ion Ratio Lower Upper

94 100

96 80.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

250

200

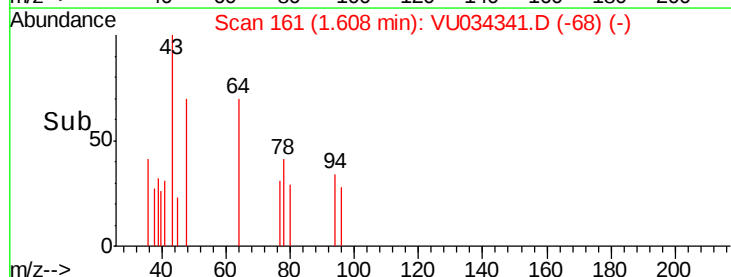
150

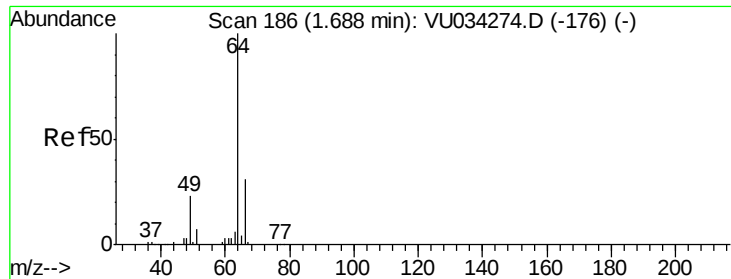
100

50

0

Time--> 1.60 1.61





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 203

Delta R.T. 0.05 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

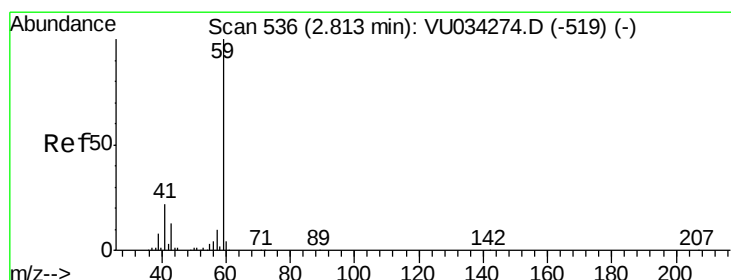
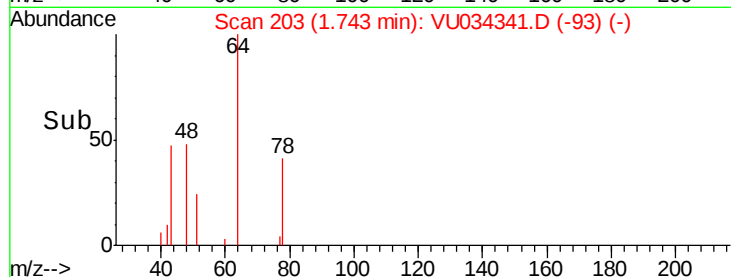
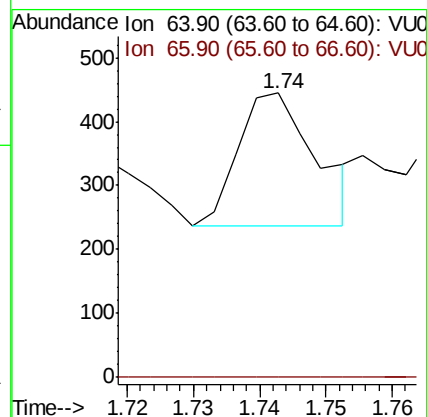
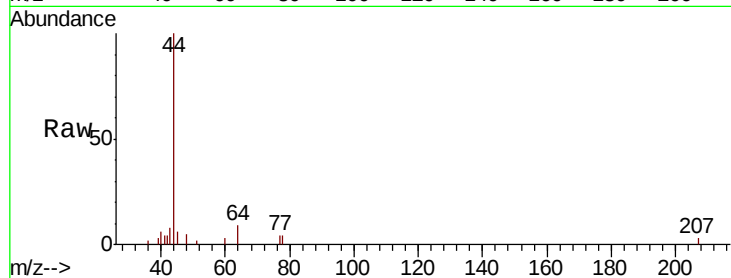
MW-1A

Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#11

Tert butyl alcohol

Concen: 0.238 ug/l

RT: 2.81 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU034341.D

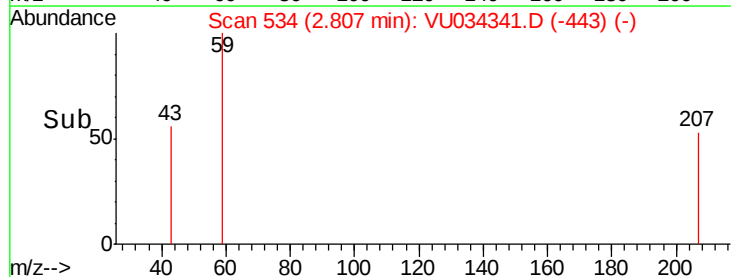
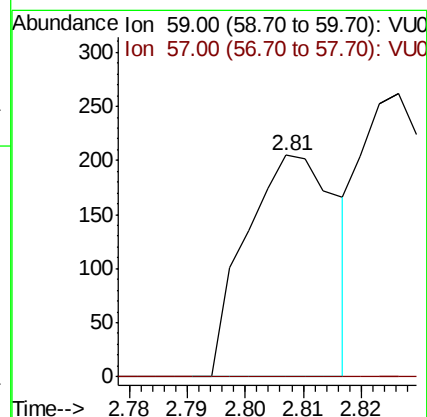
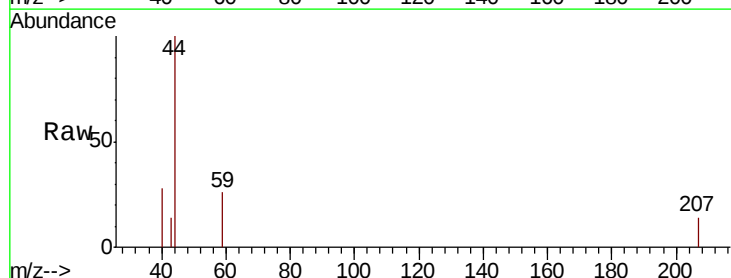
Acq: 06 Sep 2019 19:17

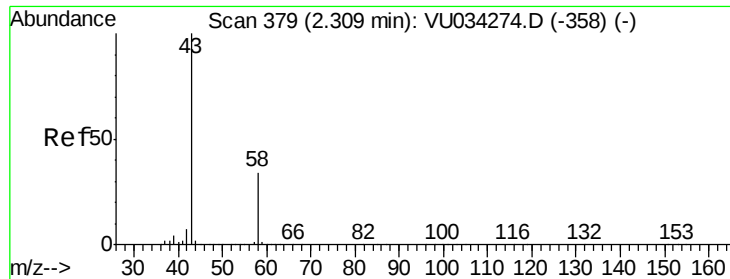
Tgt Ion: 59 Resp: 223

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#16

Acetone

Concen: 2.160 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

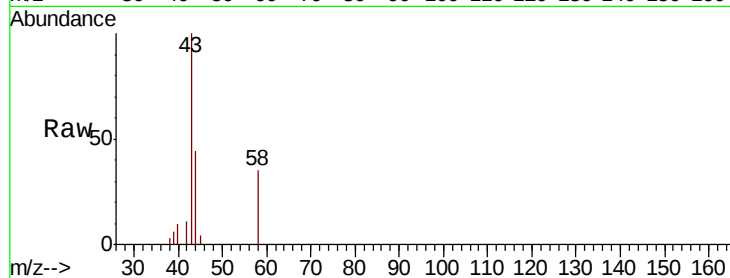
MW-1A

Tgt Ion: 43 Resp: 4951

Ion Ratio Lower Upper

43 100

58 37.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034341.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034341.D (-380) (-)

2.31

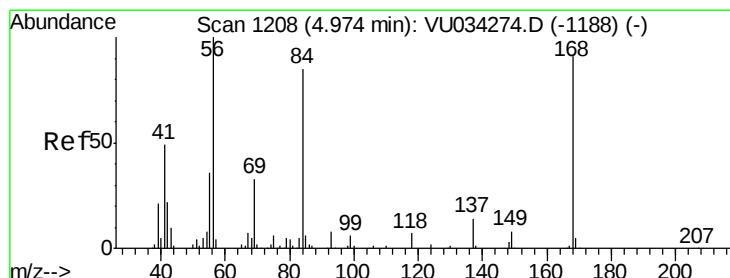
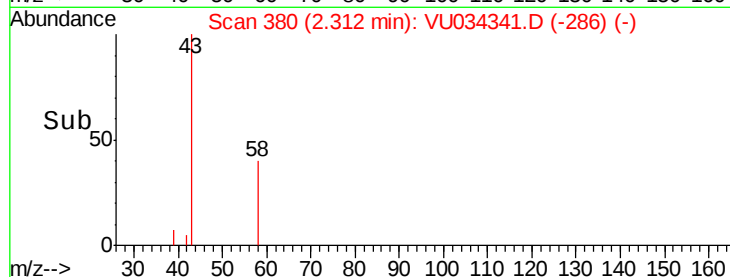
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#31

Cyclohexane

Concen: 0.913 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

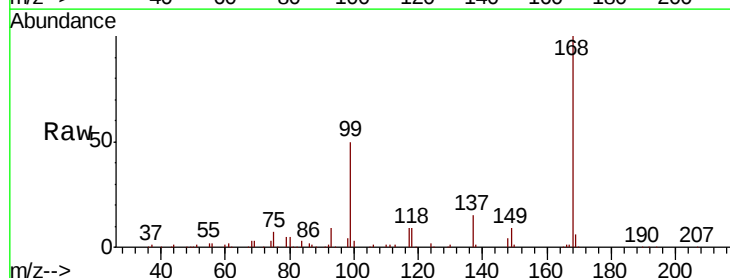
Tgt Ion: 56 Resp: 4736

Ion Ratio Lower Upper

56 100

69 185.4 26.7 40.1#

84 161.7 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034341.D (-1205) (-)

Ion 69.00 (68.70 to 69.70): VU034341.D (-1205) (-)

Ion 84.00 (83.70 to 84.70): VU034341.D (-1205) (-)

4.96

5000

4000

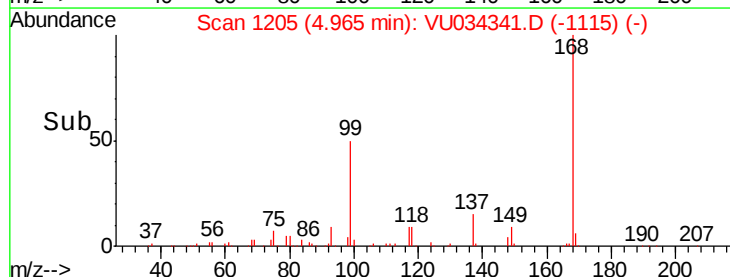
3000

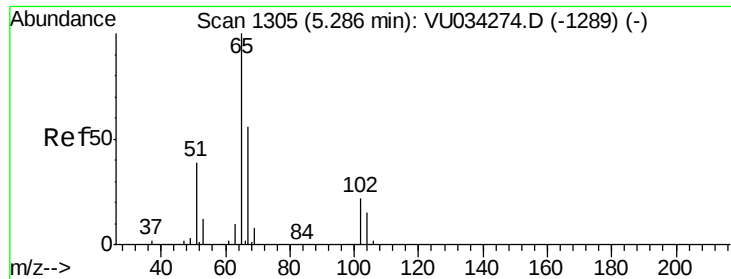
2000

1000

0

Time--> 4.90 4.95 5.00

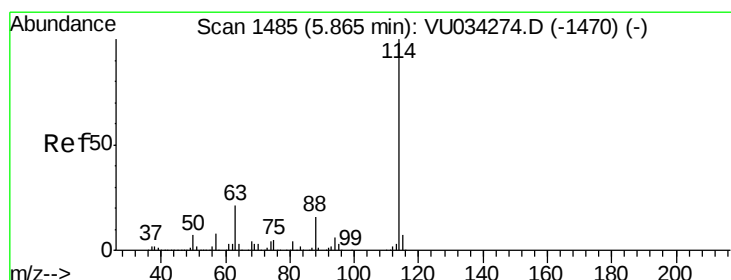
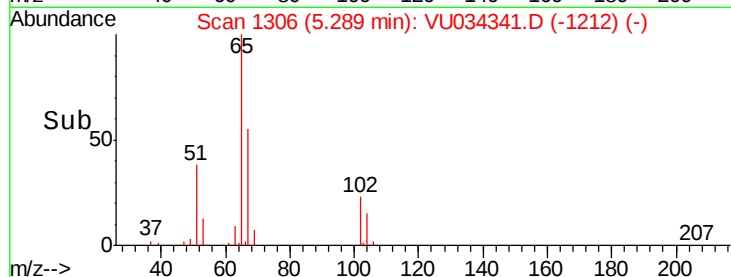
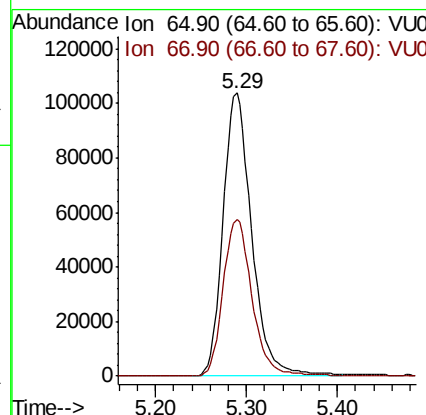
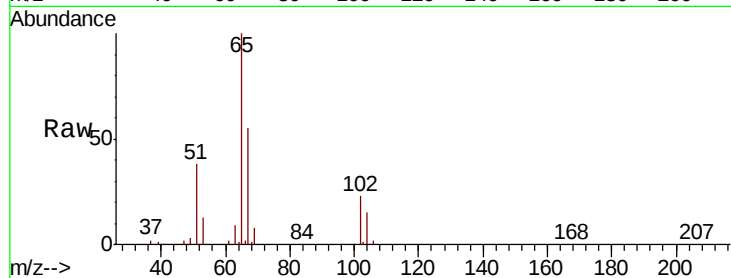




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.402 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

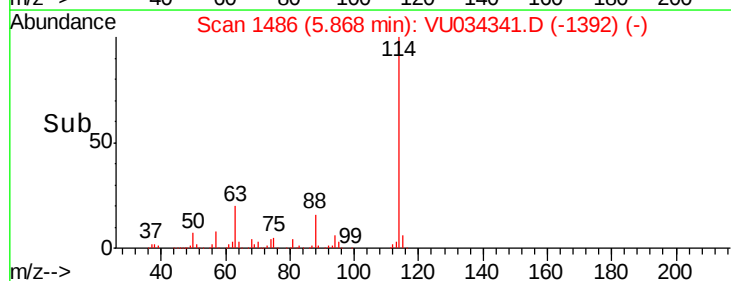
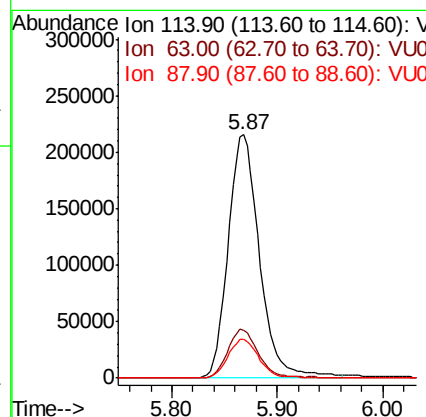
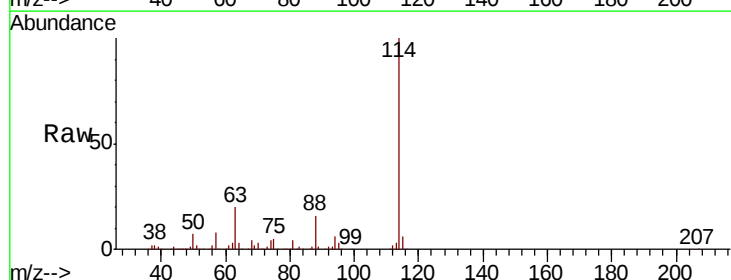
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

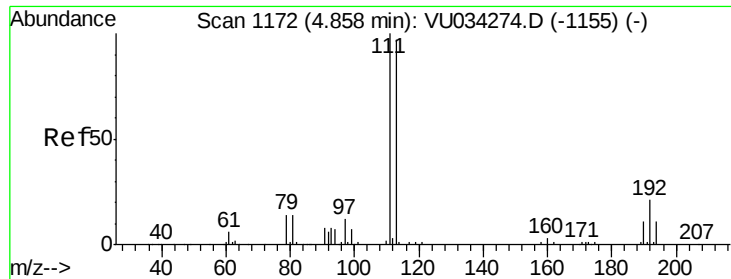
Tgt Ion: 65 Resp: 227689  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 112.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.87 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion: 114 Resp: 444158  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 42.4  
 88 16.0 0.0 32.4

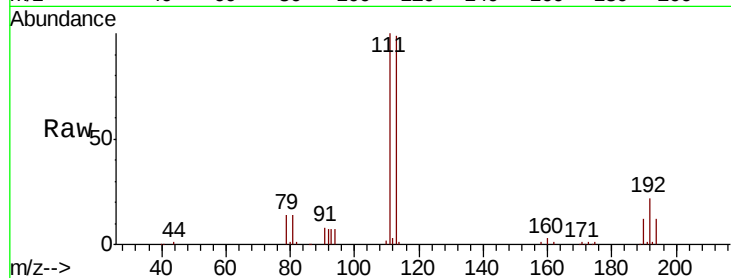




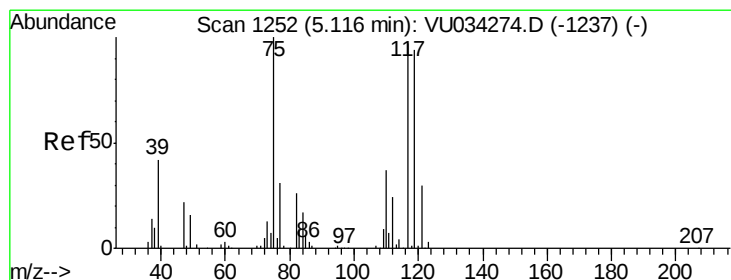
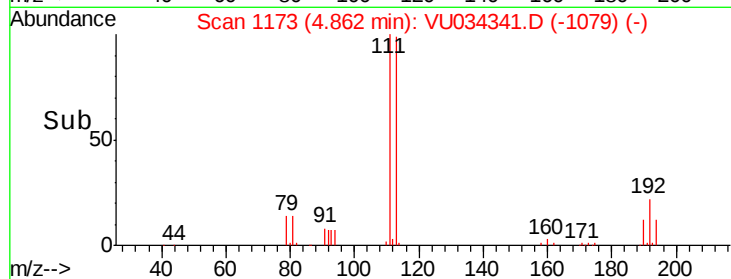
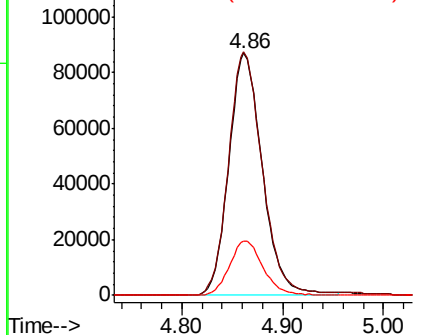
#35  
 Dibromofluoromethane  
 Concen: 48.716 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.9 | 81.5  | 122.3 |
| 192     | 22.4  | 17.8  | 26.8  |

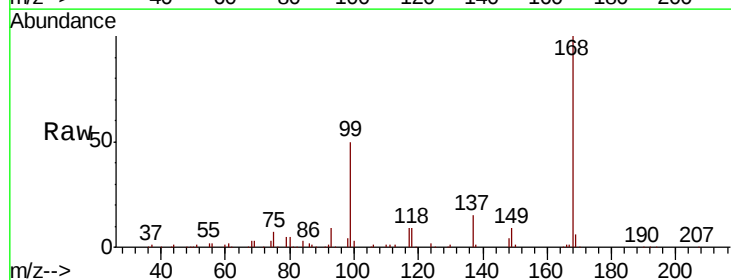


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

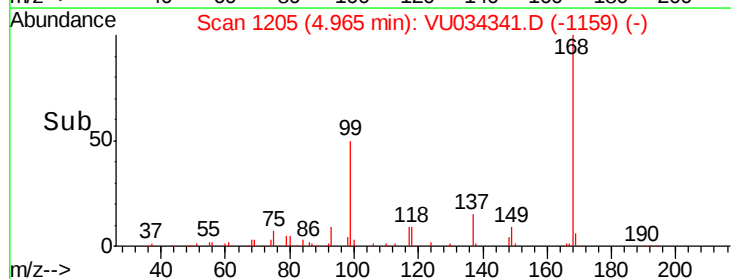
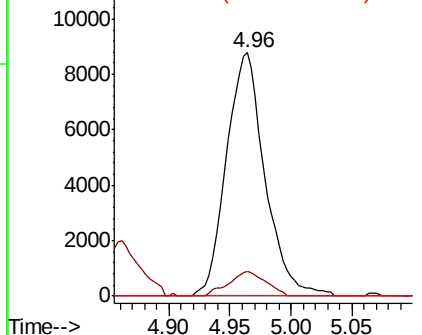


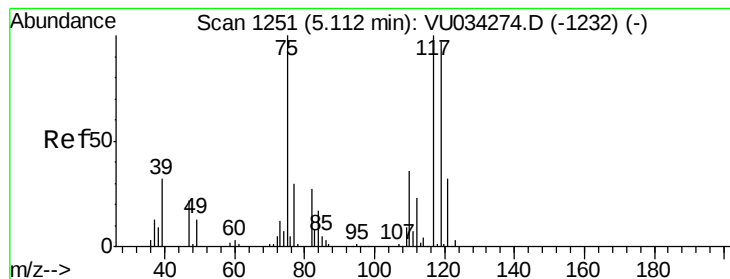
#36  
 1,1-Dichloropropene  
 Concen: 4.010 ug/l  
 RT: 4.96 min Scan# 1205  
 Delta R.T. -0.15 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.7   | 18.3  | 54.9# |
| 77      | 0.0   | 24.9  | 37.3# |



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





#38

Carbon Tetrachloride

Concen: 5.077 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

MW-1A

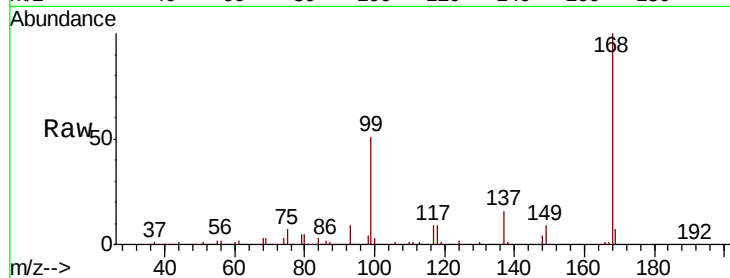
Tgt Ion:117 Resp: 26113

Ion Ratio Lower Upper

117 100

119 6.0 77.8 116.6#

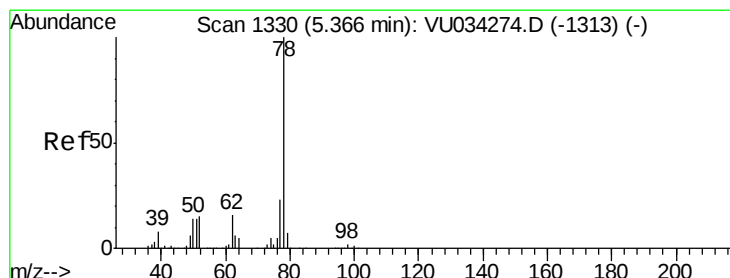
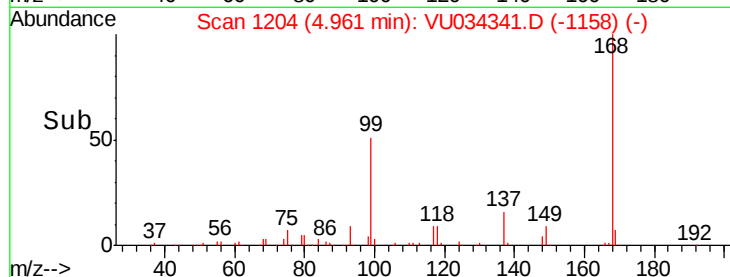
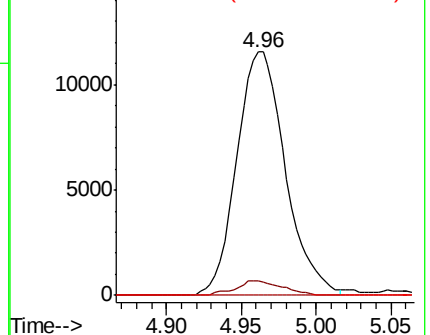
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 7.926 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VU034341.D

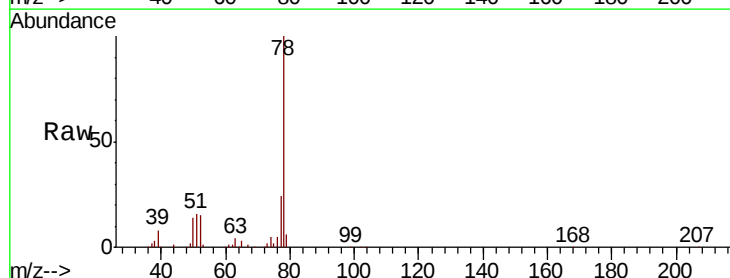
Acq: 06 Sep 2019 19:17

Tgt Ion: 78 Resp: 123197

Ion Ratio Lower Upper

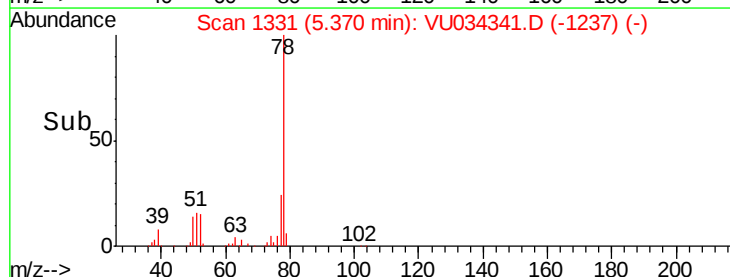
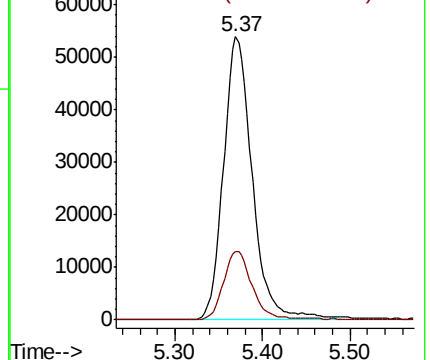
78 100

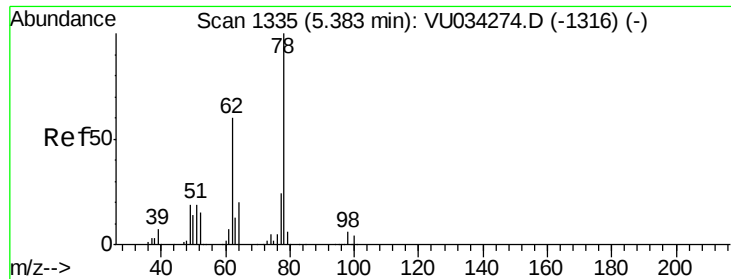
77 24.1 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

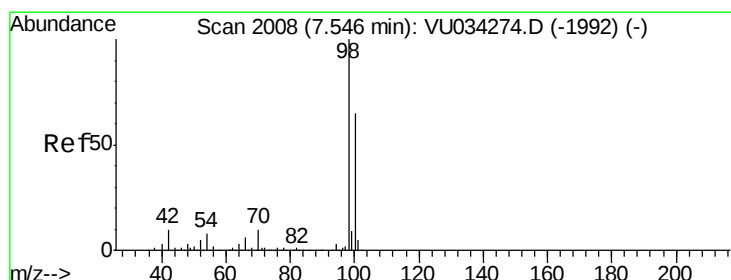
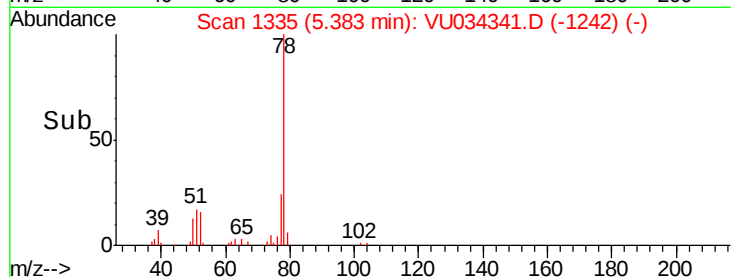
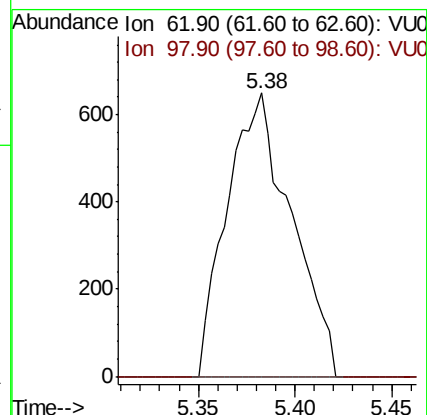
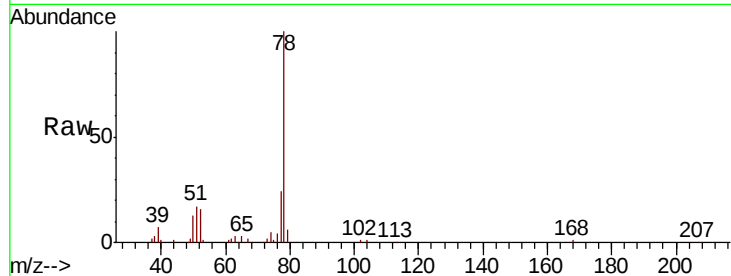




#42  
 1,2-Dichloroethane  
 Concen: 0.278 ug/l  
 RT: 5.38 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

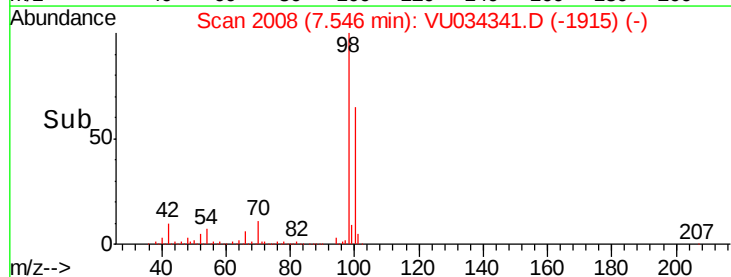
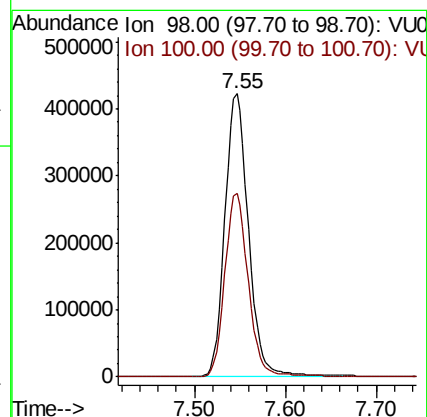
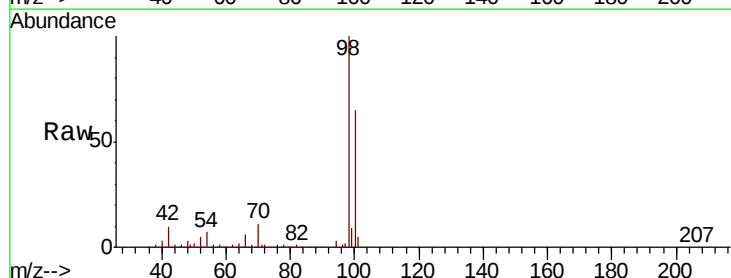
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

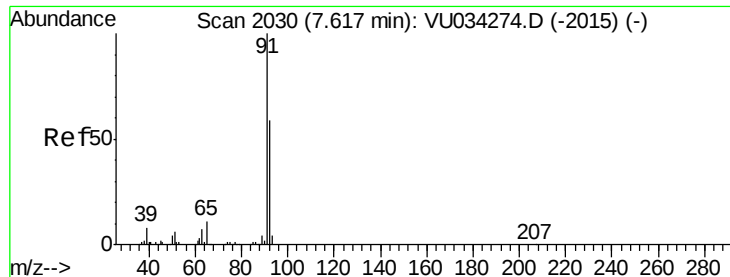
Tgt Ion: 62 Resp: 1499  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 0.0 20.0



#50  
 Toluene-d8  
 Concen: 49.198 ug/l  
 RT: 7.55 min Scan# 2008  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion: 98 Resp: 763916  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 51.7 77.5





#52

Toluene

Concen: 11.010 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

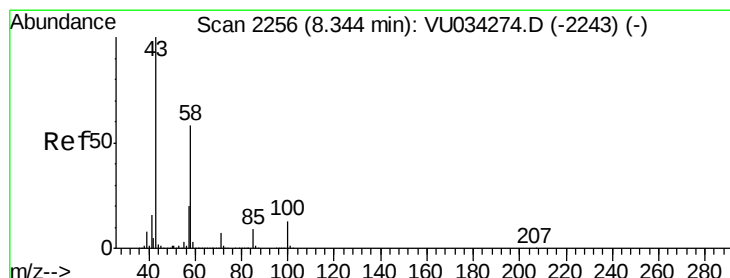
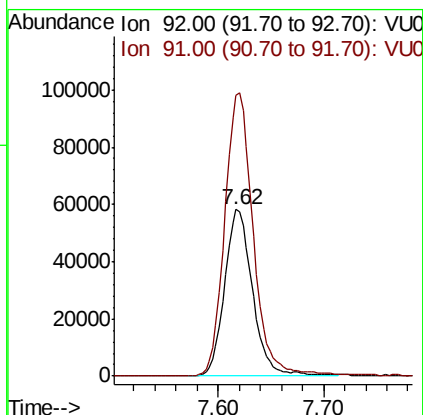
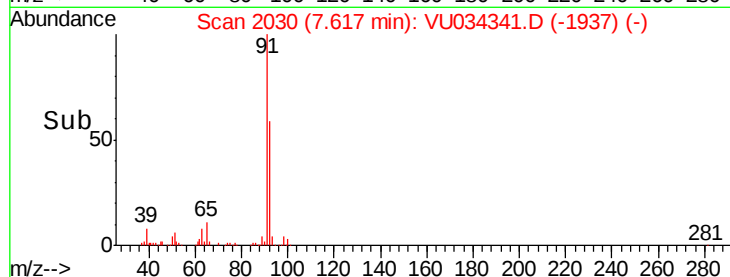
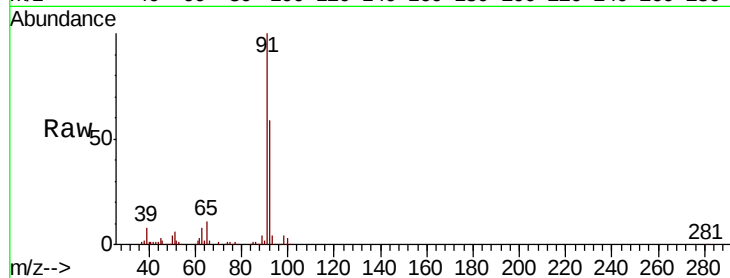
MW-1A

Tgt Ion: 92 Resp: 107348

Ion Ratio Lower Upper

92 100

91 172.7 136.6 205.0



#59

2-Hexanone

Concen: 0.205 ug/l

RT: 8.30 min Scan# 2242

Delta R.T. -0.05 min

Lab File: VU034341.D

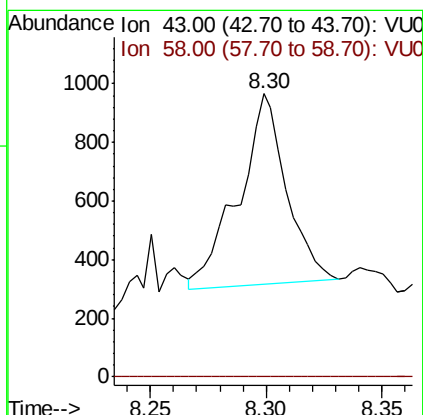
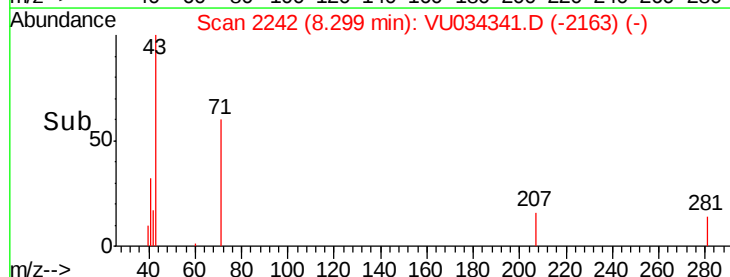
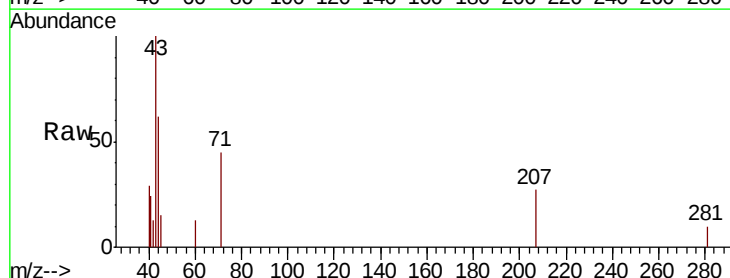
Acq: 06 Sep 2019 19:17

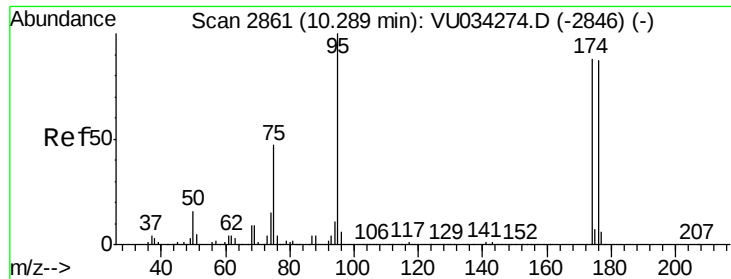
Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 0.0 28.8 86.5#





#62

4-Bromofluorobenzene

Concen: 47.223 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

MW-1A

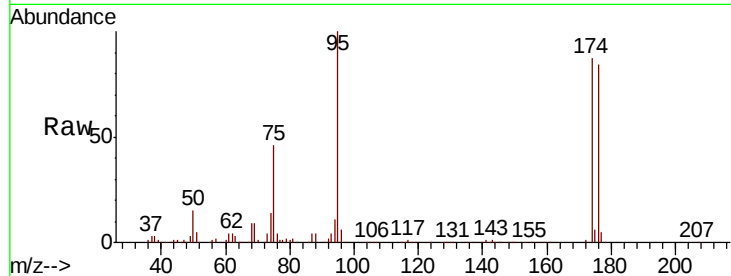
Tgt Ion: 95 Resp: 283104

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.2

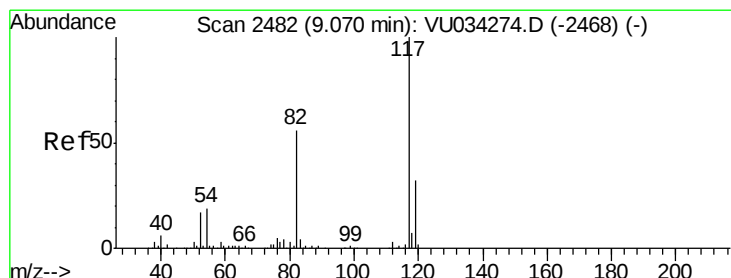
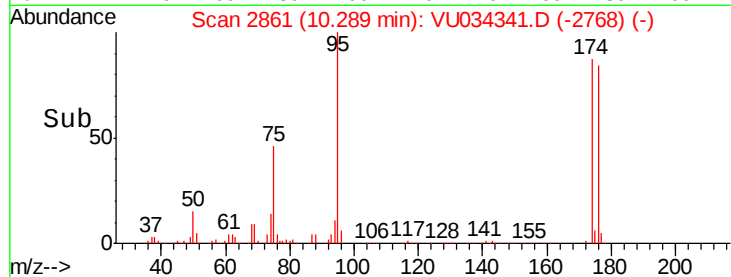
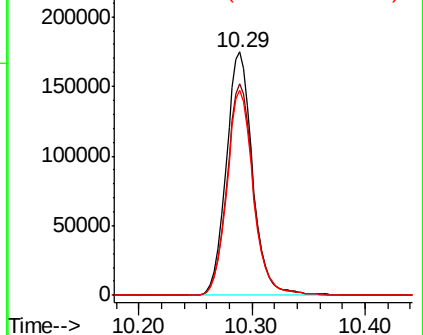
176 84.5 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

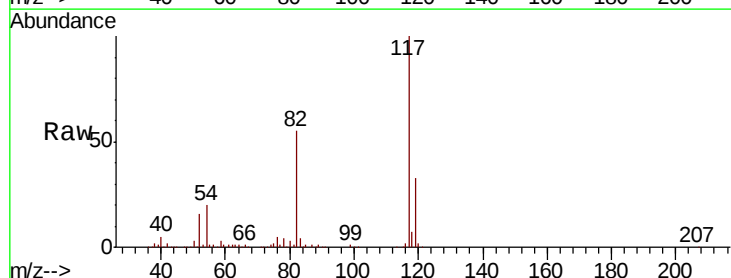
Tgt Ion: 117 Resp: 442529

Ion Ratio Lower Upper

117 100

82 55.4 44.6 67.0

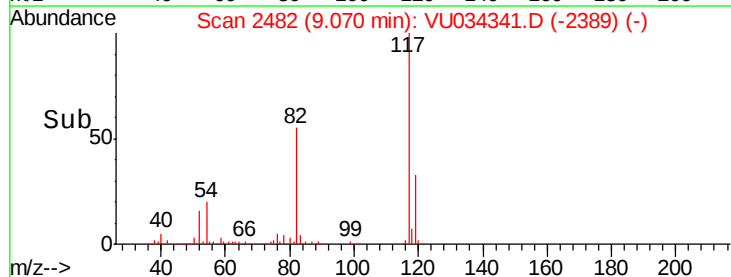
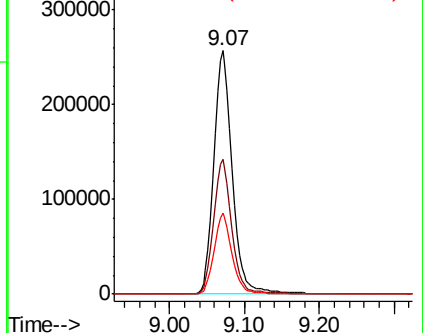
119 33.1 25.9 38.9

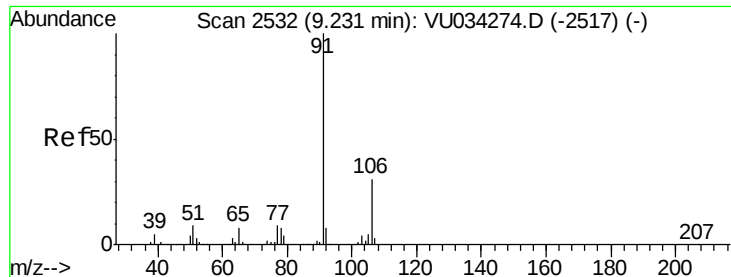


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 5.958 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

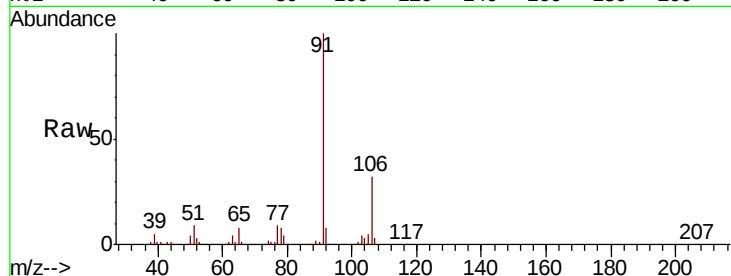
MW-1A

Tgt Ion: 91 Resp: 109368

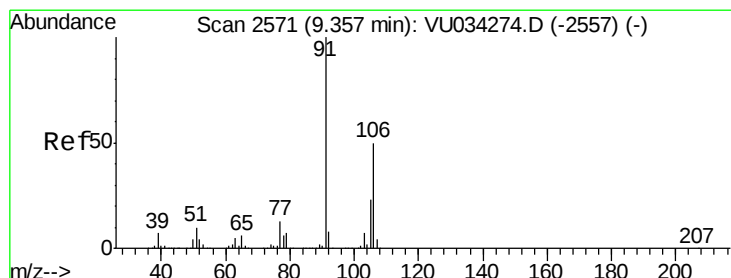
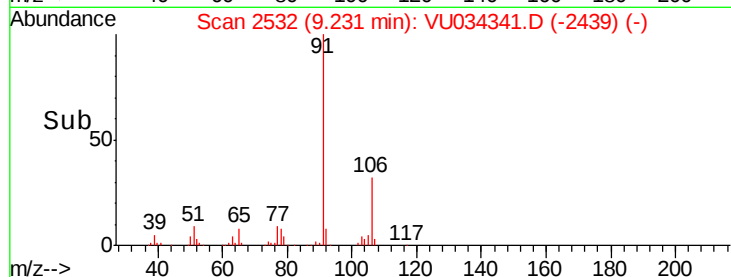
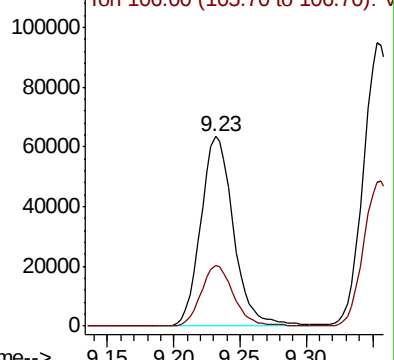
Ion Ratio Lower Upper

91 100

106 32.2 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VU034341.D (-2439) (-)



#68

m/p-Xylenes

Concen: 12.294 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034341.D

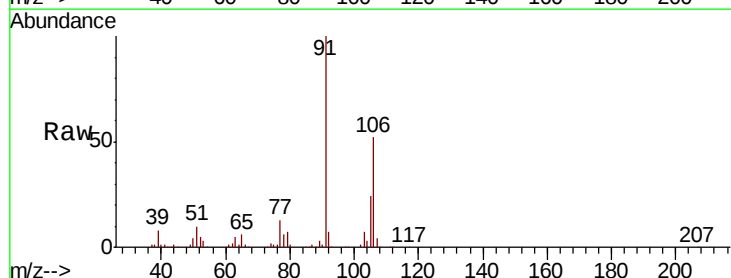
Acq: 06 Sep 2019 19:17

Tgt Ion: 106 Resp: 84982

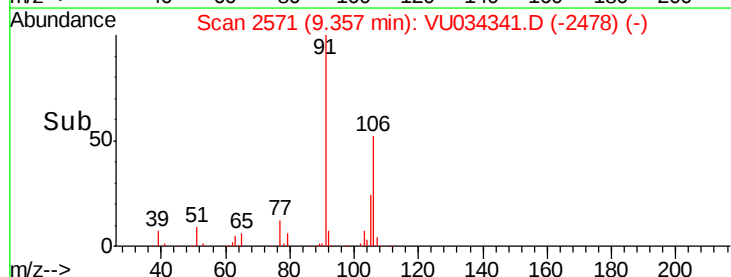
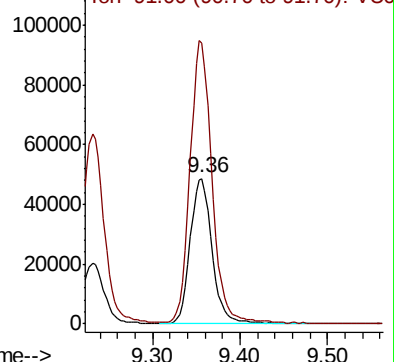
Ion Ratio Lower Upper

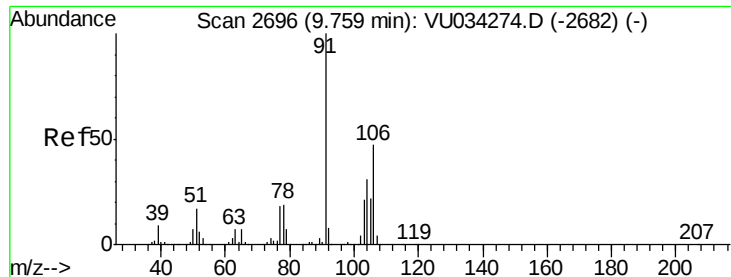
106 100

91 190.0 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034341.D (-2478) (-)

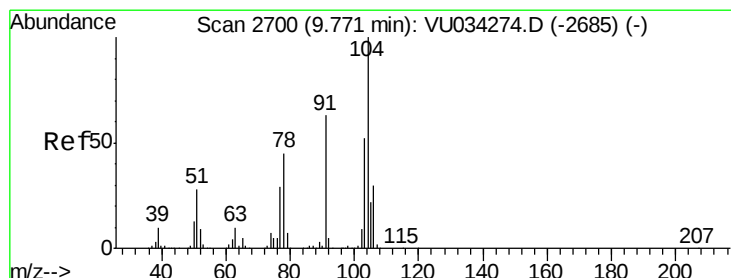
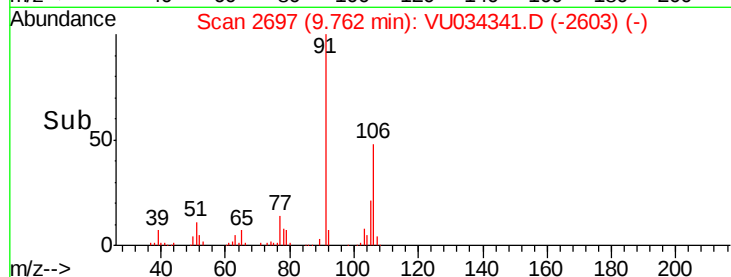
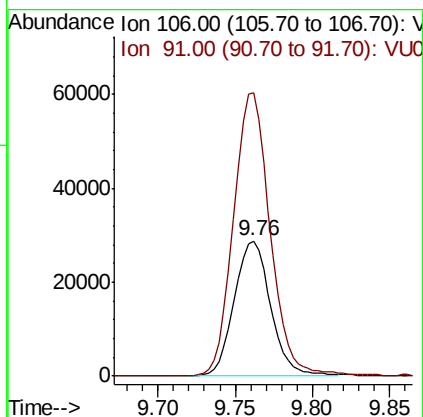
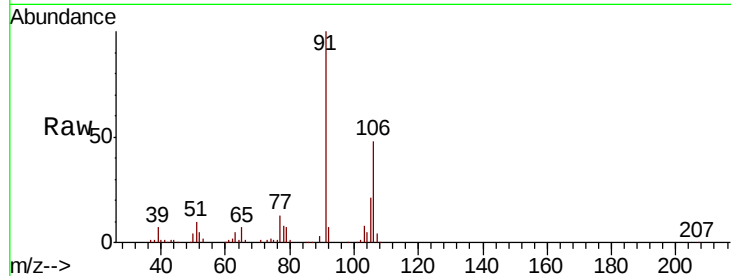




#69  
o-Xylene  
Concen: 6.970 ug/l  
RT: 9.76 min Scan# 2697  
Delta R.T. 0.00 min  
Lab File: VU034341.D  
Acq: 06 Sep 2019 19:17

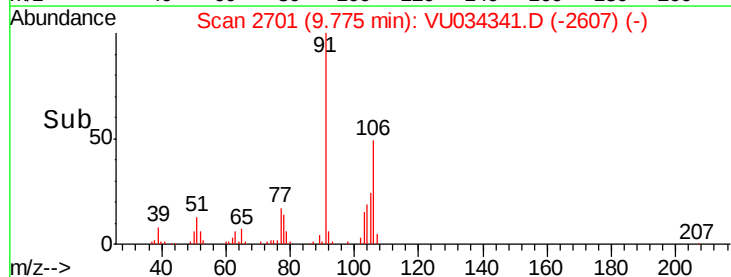
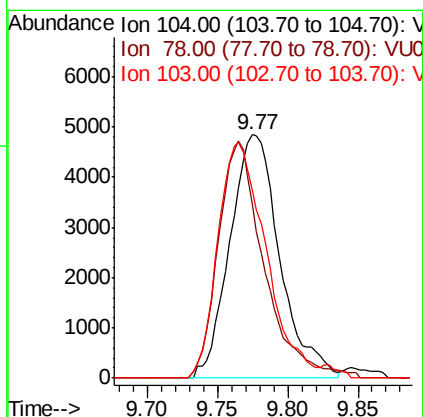
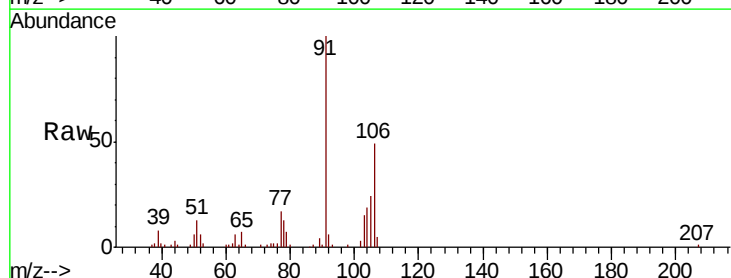
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1A

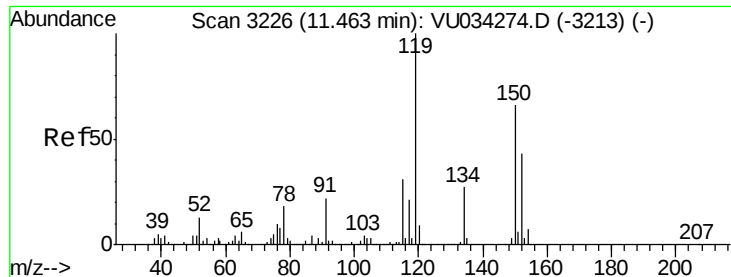
Tgt Ion:106 Resp: 47118  
Ion Ratio Lower Upper  
106 100  
91 211.8 105.1 315.3



#70  
Styrene  
Concen: 1.014 ug/l  
RT: 9.77 min Scan# 2701  
Delta R.T. 0.00 min  
Lab File: VU034341.D  
Acq: 06 Sep 2019 19:17

Tgt Ion:104 Resp: 12018  
Ion Ratio Lower Upper  
104 100  
78 88.7 38.6 57.8#  
103 92.1 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

MW-1A

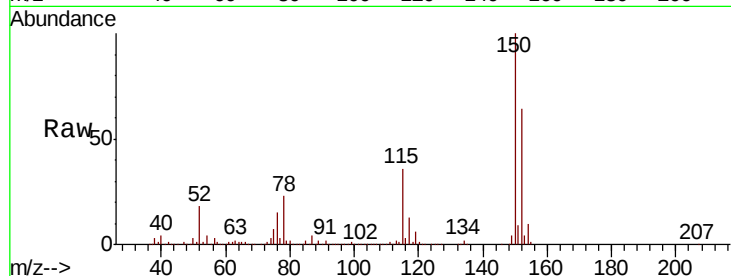
Tgt Ion:152 Resp: 297812

Ion Ratio Lower Upper

152 100

115 56.1 39.1 117.3

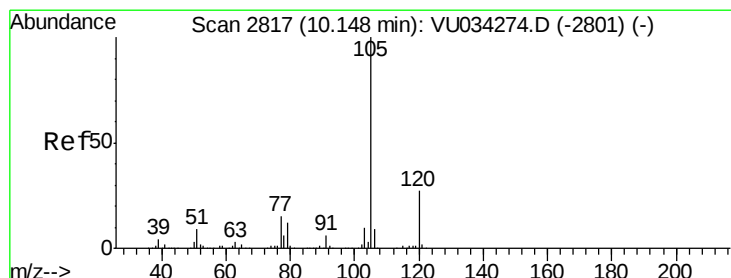
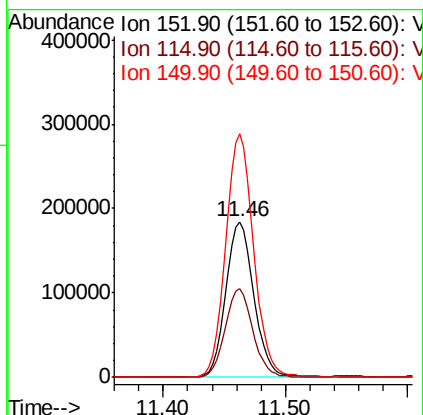
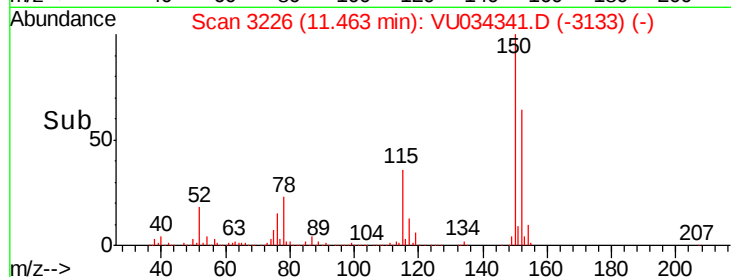
150 156.2 0.0 345.4



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



#73

Isopropylbenzene

Concen: 0.586 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034341.D

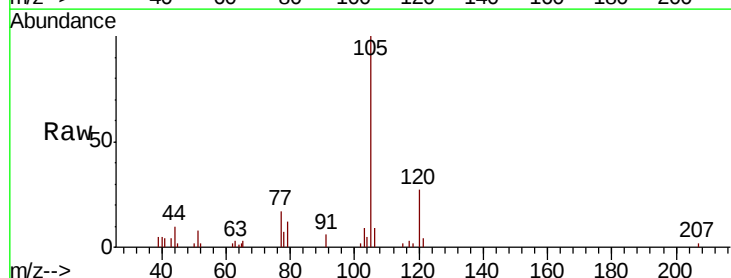
Acq: 06 Sep 2019 19:17

Tgt Ion:105 Resp: 11360

Ion Ratio Lower Upper

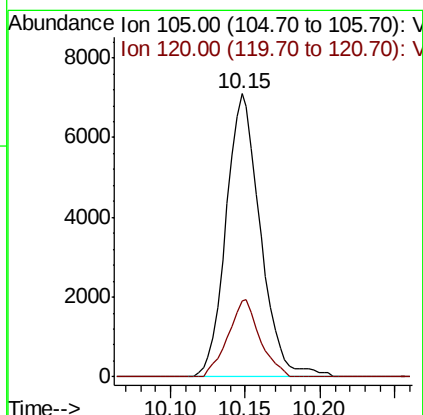
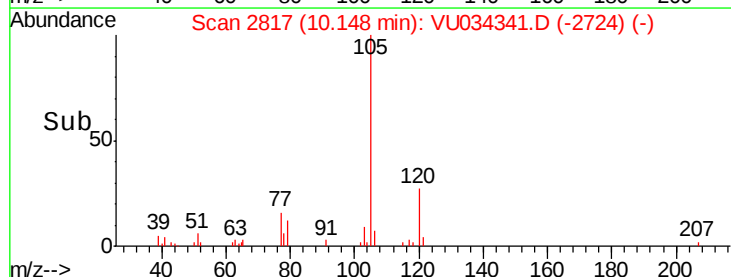
105 100

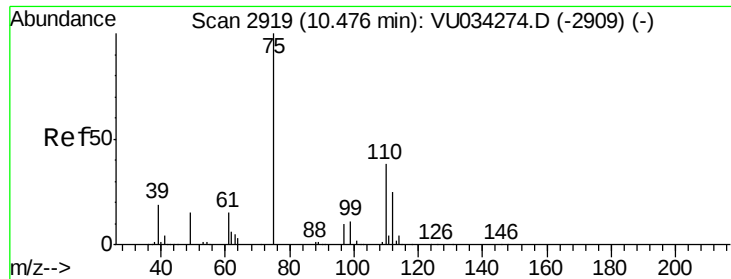
120 25.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

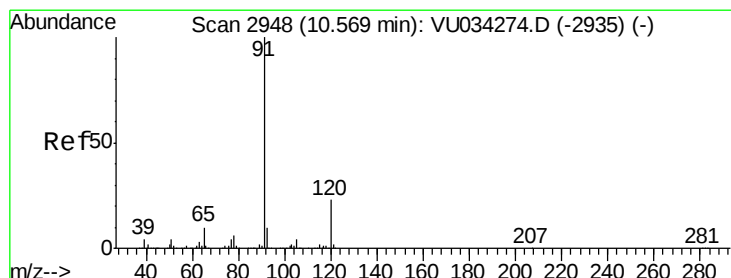
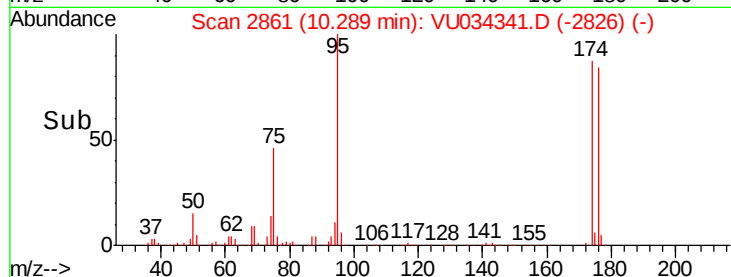
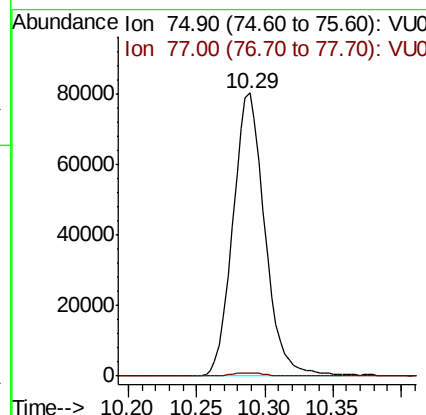
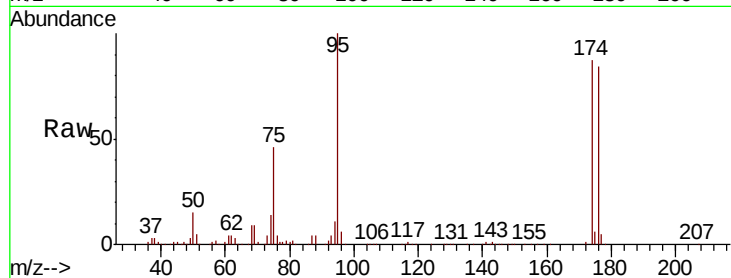




#76  
 1,2,3-Trichloropropane  
 Concen: 20.129 ug/l  
 RT: 10.29 min Scan# 2861  
 Delta R.T. -0.19 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

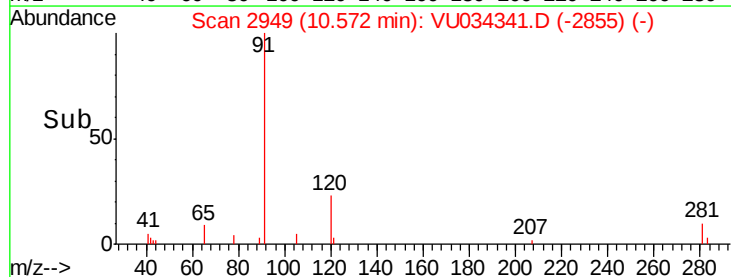
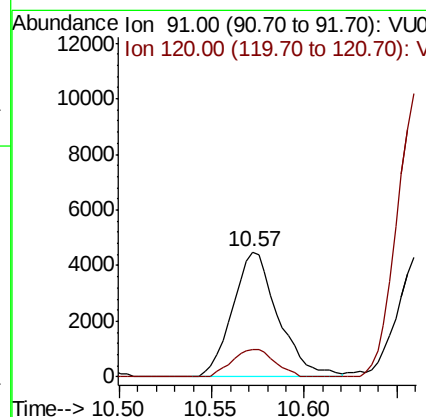
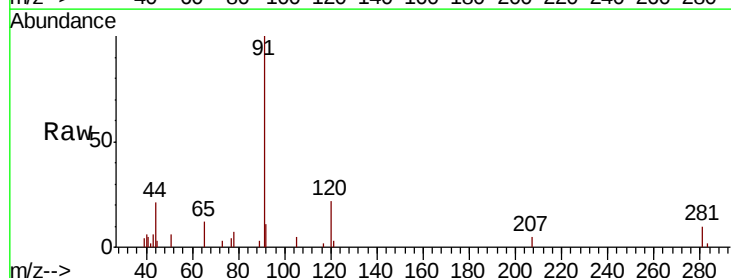
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 MW-1A

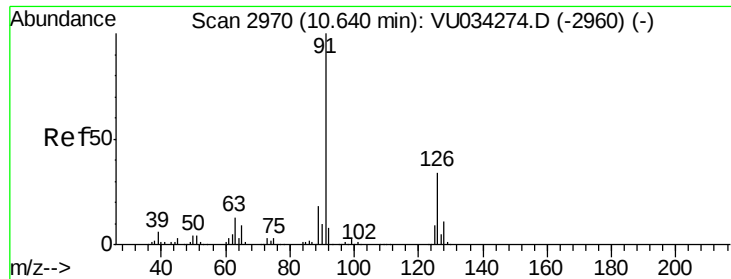
Tgt Ion: 75 Resp: 130854  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.8 62.2#



#78  
 n-propylbenzene  
 Concen: 0.342 ug/l  
 RT: 10.57 min Scan# 2949  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion: 91 Resp: 7660  
 Ion Ratio Lower Upper  
 91 100  
 120 20.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.02 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampled :

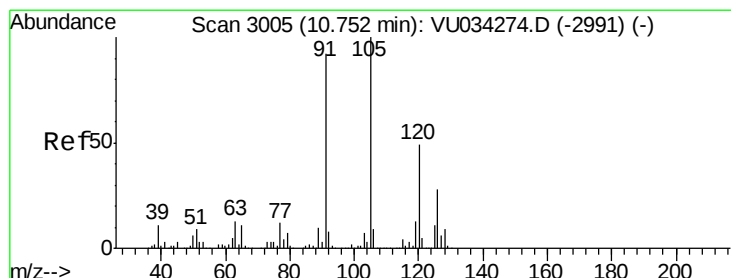
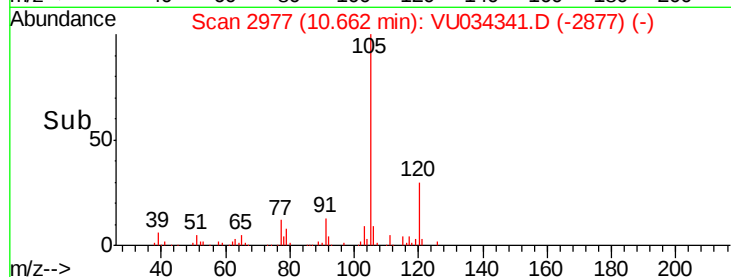
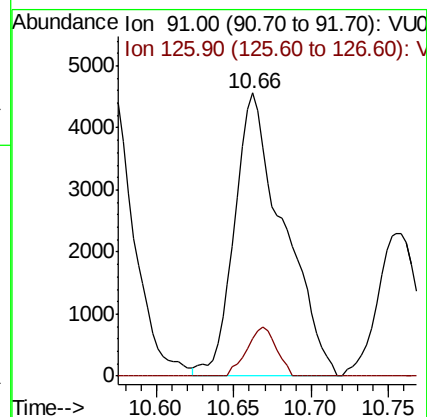
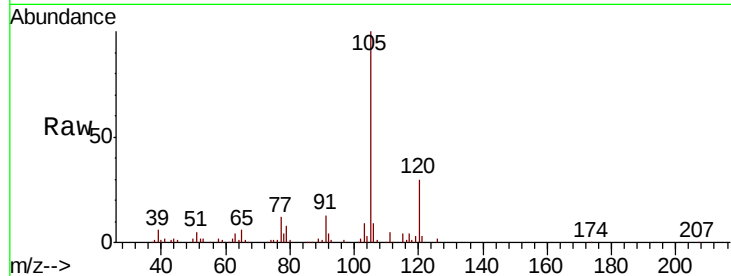
MW-1A

Tgt Ion: 91 Resp: 10088

Ion Ratio Lower Upper

91 100

126 10.4 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 1.840 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034341.D

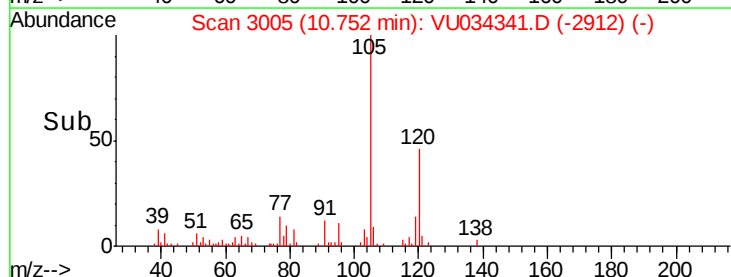
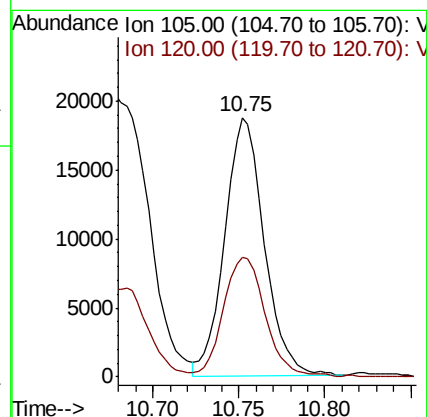
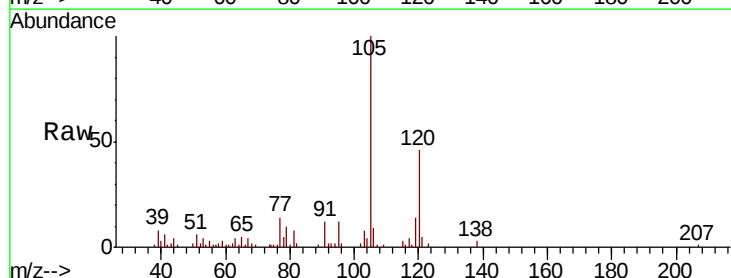
Acq: 06 Sep 2019 19:17

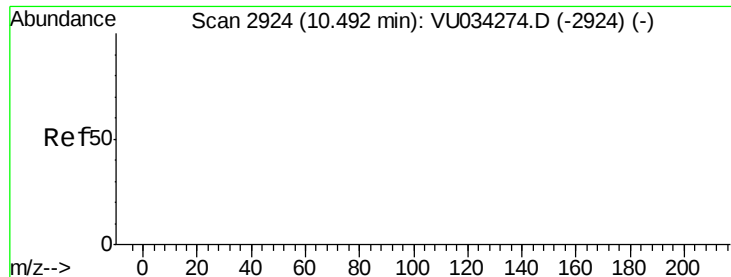
Tgt Ion: 105 Resp: 29822

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 67.693 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampled :

MW-1A

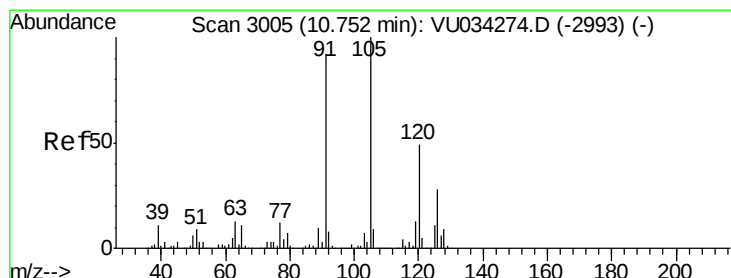
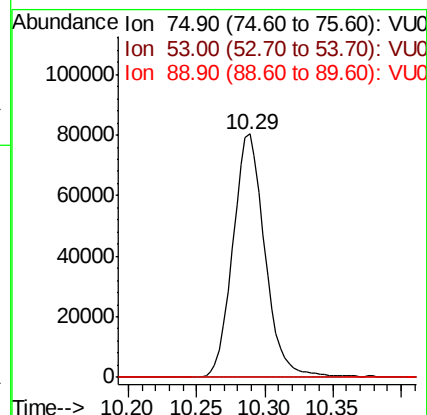
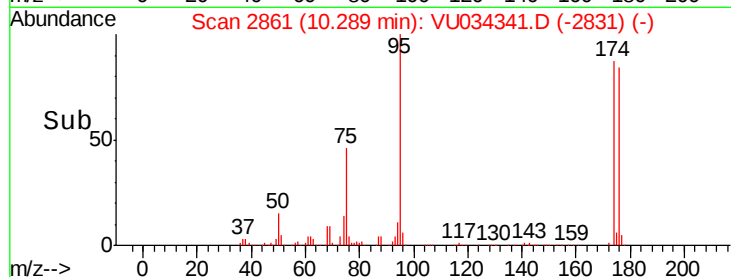
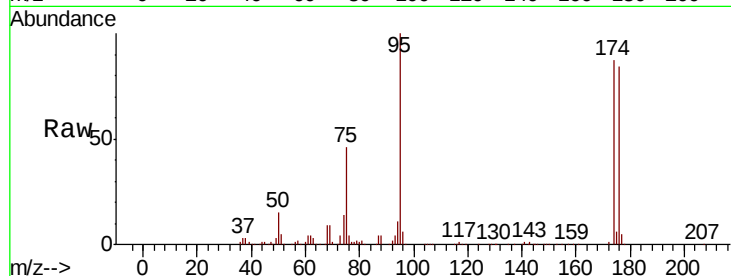
Tgt Ion: 75 Resp: 130854

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 0.281 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034341.D

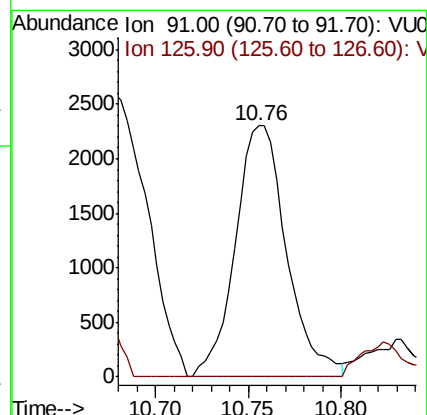
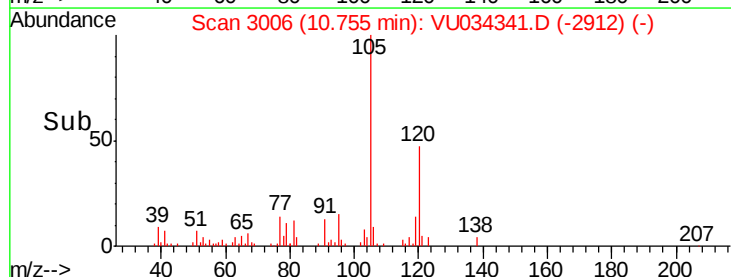
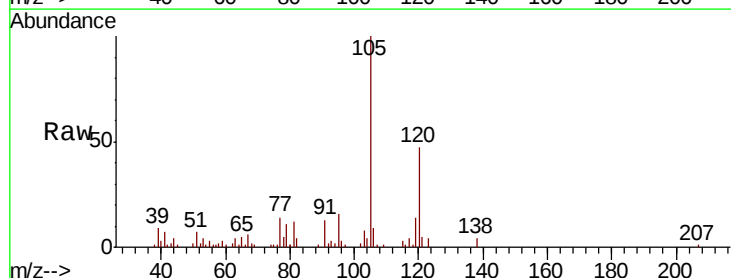
Acq: 06 Sep 2019 19:17

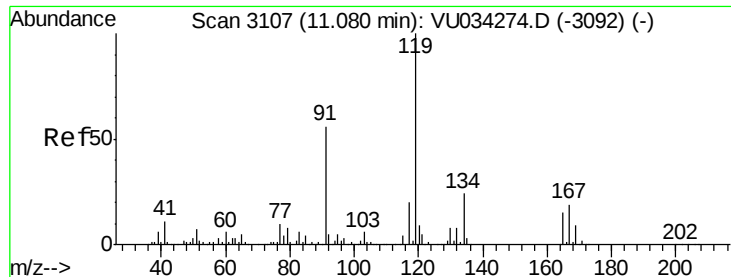
Tgt Ion: 91 Resp: 4424

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#

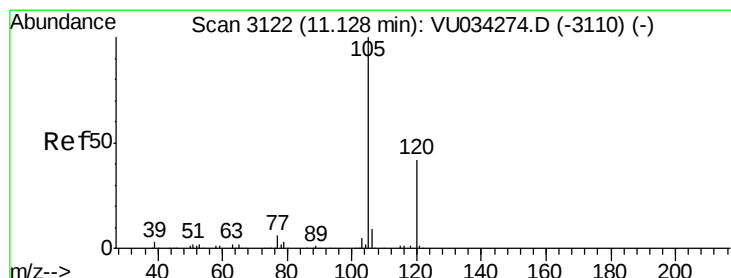
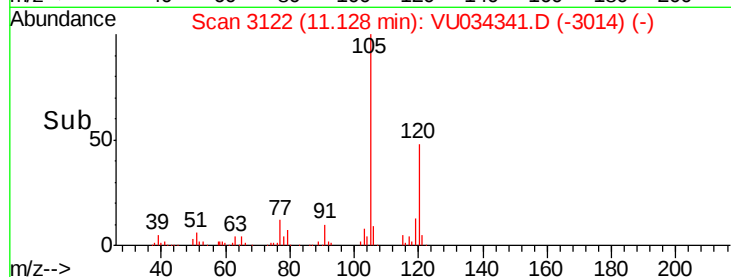
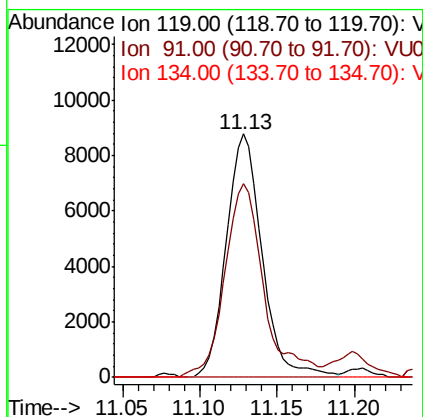
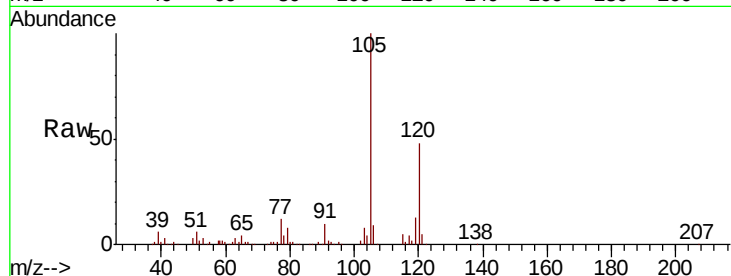




#83  
 tert-Butylbenzene  
 Concen: 0.868 ug/l  
 RT: 11.13 min Scan# 3122  
 Delta R.T. 0.05 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

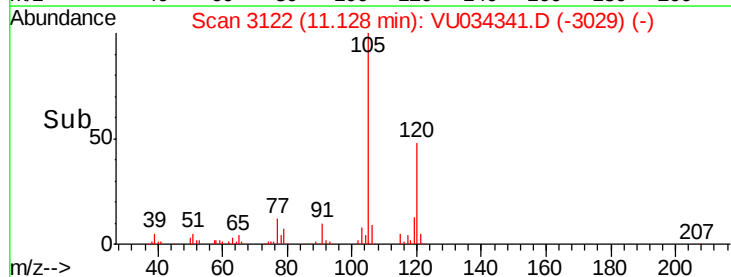
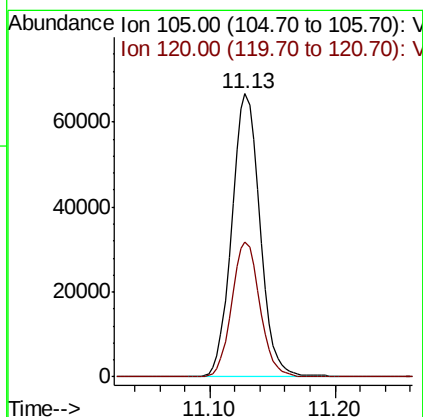
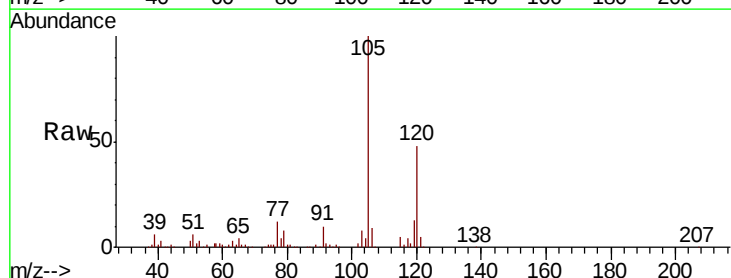
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

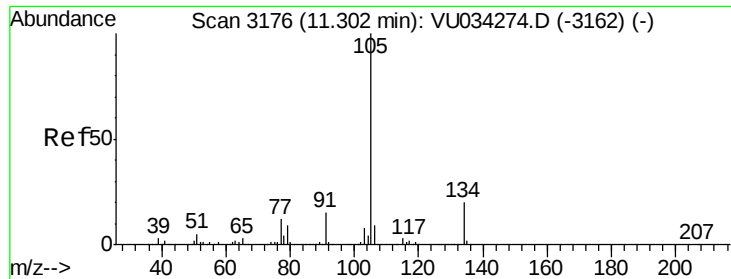
Tgt Ion:119 Resp: 14076  
 Ion Ratio Lower Upper  
 119 100  
 91 86.3 27.8 83.4#  
 134 0.0 11.7 35.0#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 6.386 ug/l  
 RT: 11.13 min Scan# 3122  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion:105 Resp: 104202  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 22.9 68.8

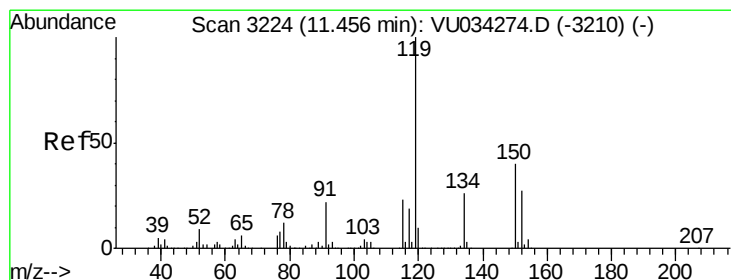
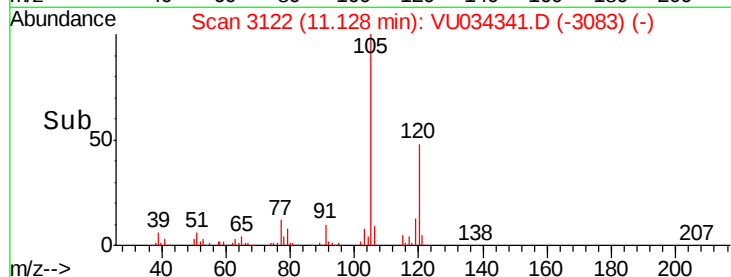
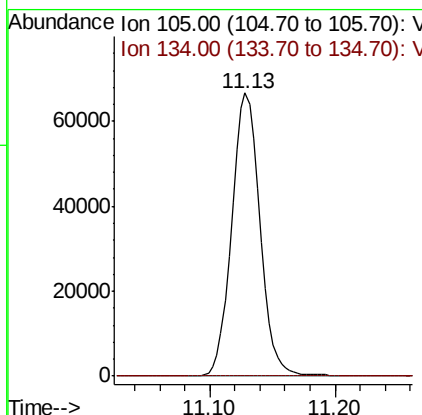
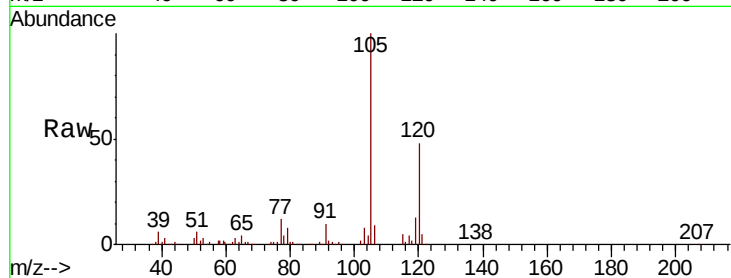




#85  
 sec-Butylbenzene  
 Concen: 5.443 ug/l  
 RT: 11.13 min Scan# 3122  
 Delta R.T. -0.17 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

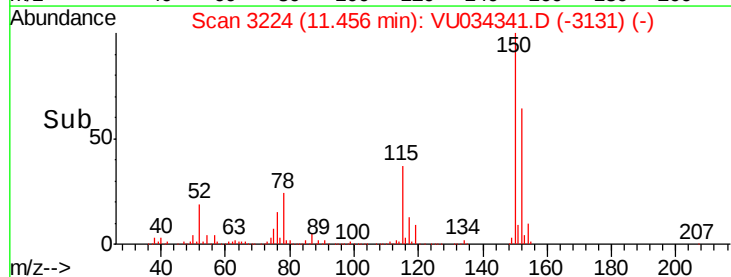
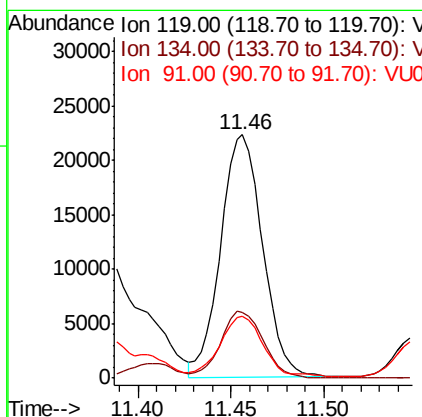
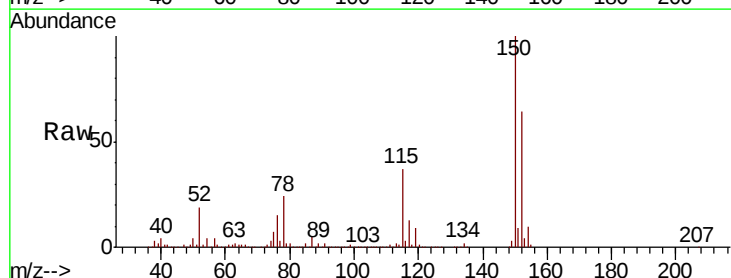
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

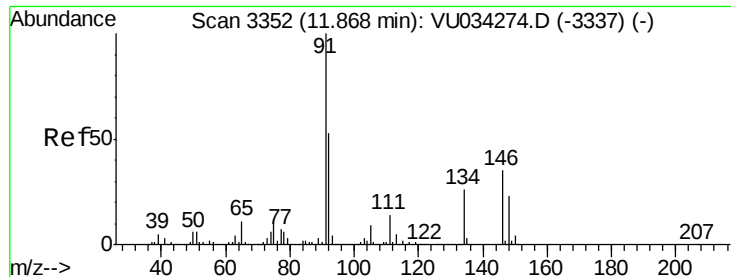
Tgt Ion:105 Resp: 104202  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.1 30.3#



#86  
 p-Isopropyltoluene  
 Concen: 1.979 ug/l  
 RT: 11.46 min Scan# 3224  
 Delta R.T. 0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion:119 Resp: 34958  
 Ion Ratio Lower Upper  
 119 100  
 134 28.0 13.3 39.8  
 91 26.4 11.2 33.6





#89

n-Butylbenzene

Concen: 5.281 ug/l

RT: 11.75 min Scan# 3314

Delta R.T. -0.12 min

Lab File: VU034341.D

Acq: 06 Sep 2019 19:17

Instrument :

MSVOA\_U

ClientSampleId :

MW-1A

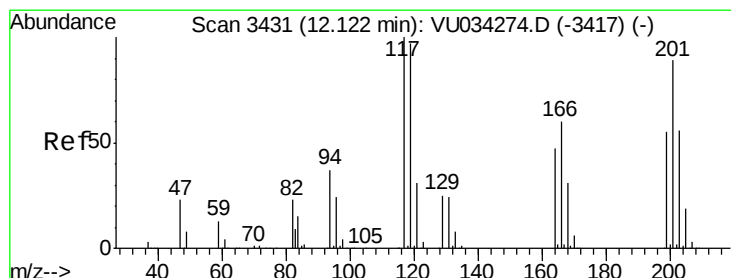
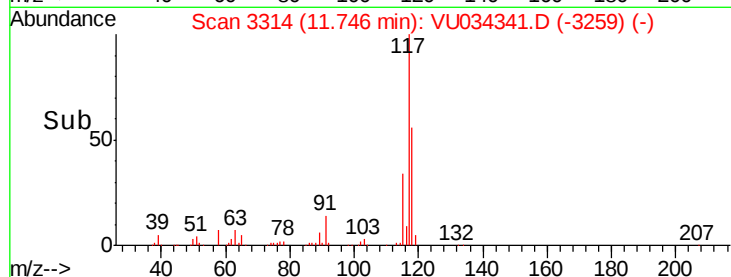
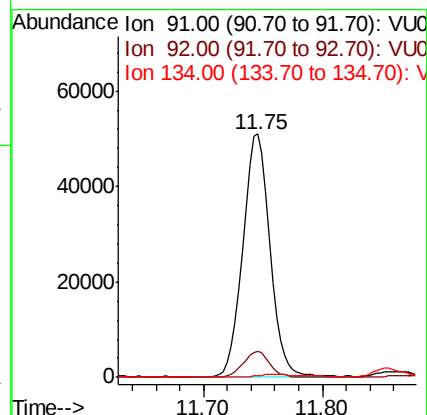
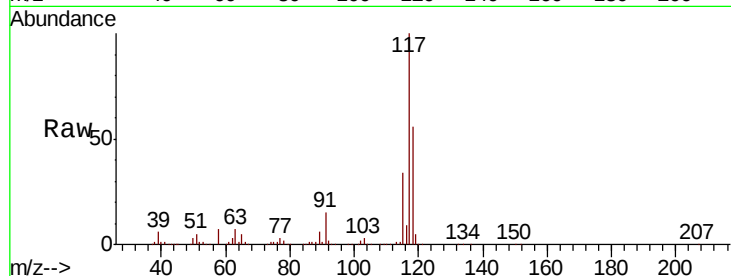
Tgt Ion: 91 Resp: 81087

Ion Ratio Lower Upper

91 100

92 10.2 26.5 79.4#

134 1.6 13.2 39.6#



#90

Hexachloroethane

Concen: 0.663 ug/l

RT: 12.23 min Scan# 3466

Delta R.T. 0.11 min

Lab File: VU034341.D

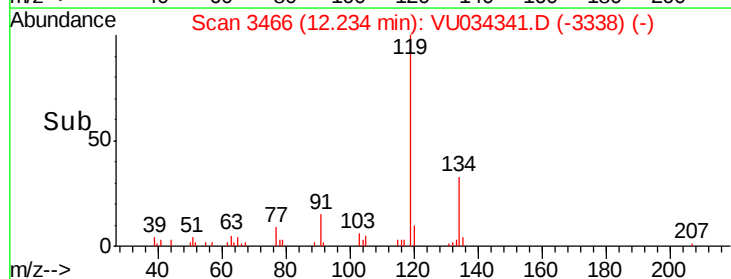
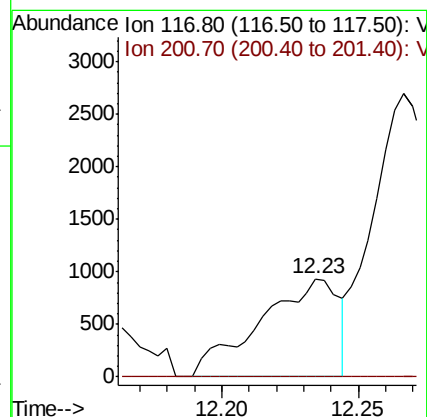
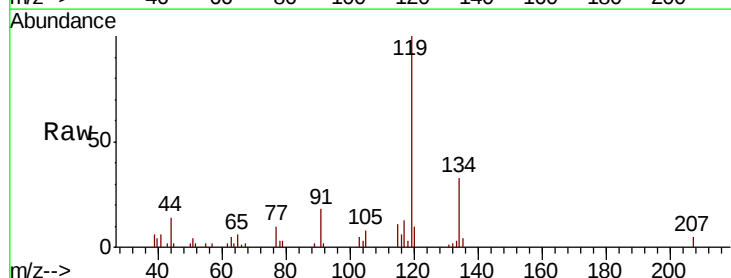
Acq: 06 Sep 2019 19:17

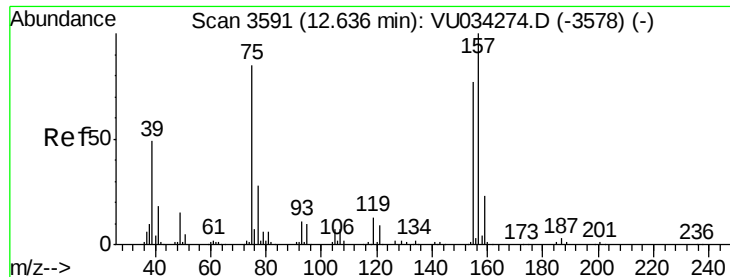
Tgt Ion: 117 Resp: 1874

Ion Ratio Lower Upper

117 100

201 0.0 44.1 132.4#

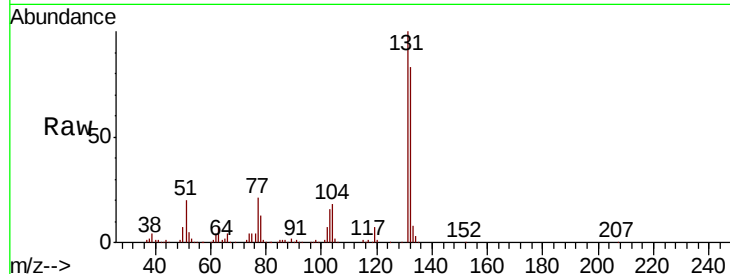




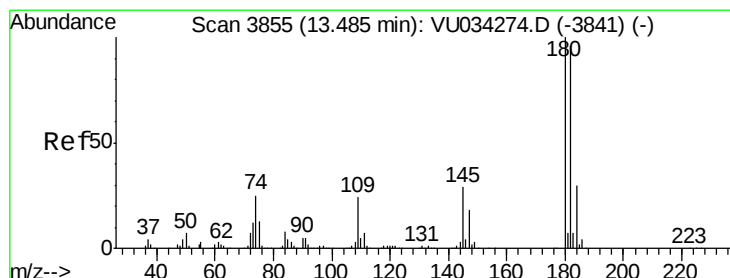
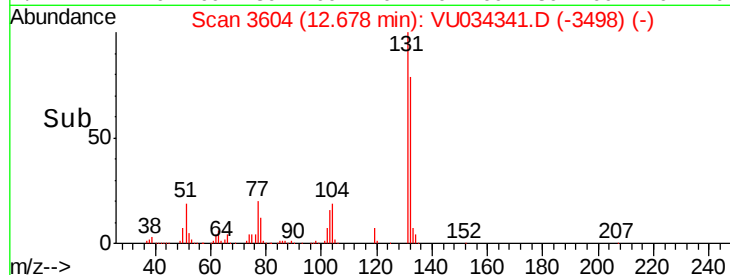
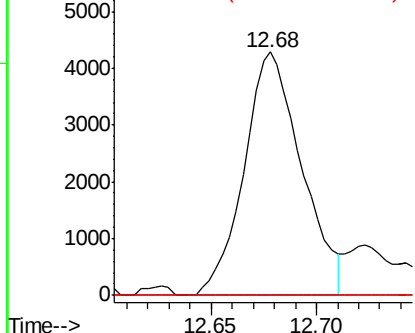
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.643 ug/l  
 RT: 12.68 min Scan# 3604  
 Delta R.T. 0.04 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-1A

Tgt Ion: 75 Resp: 8135  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 44.6 134.0#  
 157 0.0 58.2 174.6#

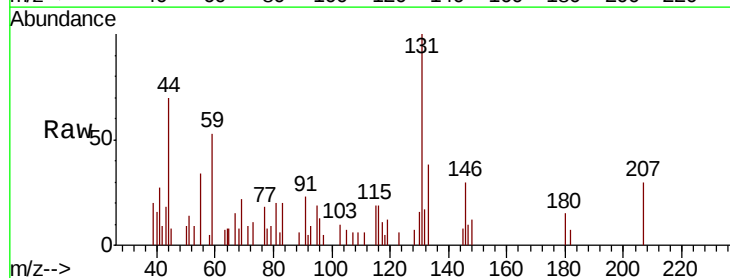


Abundance Ion 74.90 (74.60 to 75.60): VU  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

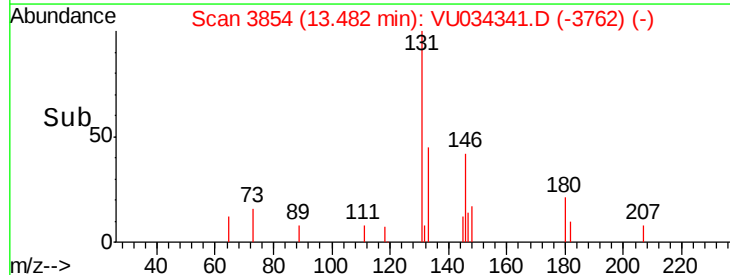
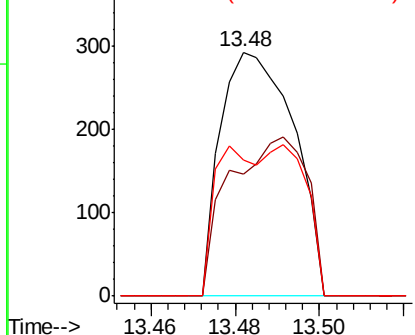


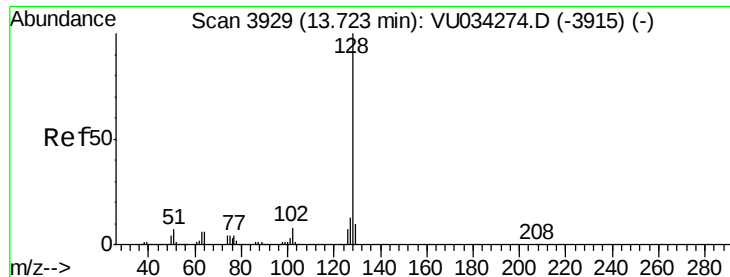
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.498 ug/l  
 RT: 13.48 min Scan# 3854  
 Delta R.T. -0.00 min  
 Lab File: VU034341.D  
 Acq: 06 Sep 2019 19:17

Tgt Ion: 180 Resp: 352  
 Ion Ratio Lower Upper  
 180 100  
 182 68.8 47.9 143.8  
 145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

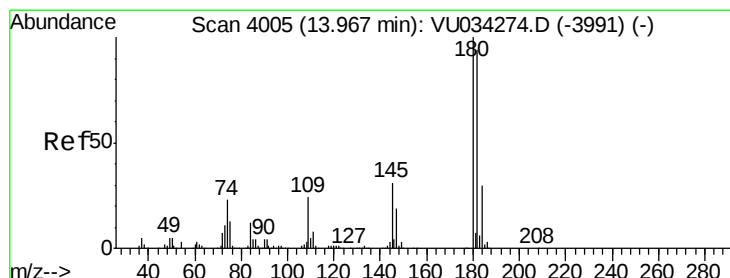
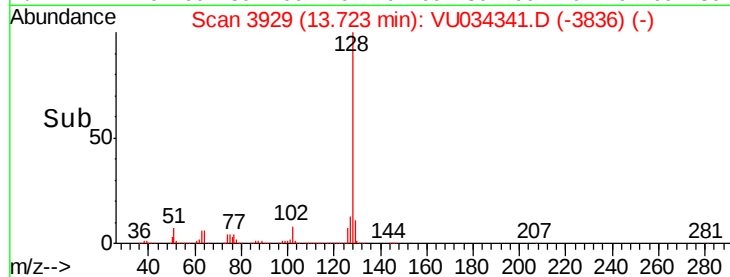
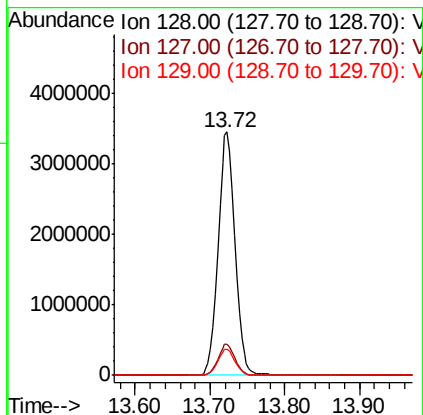
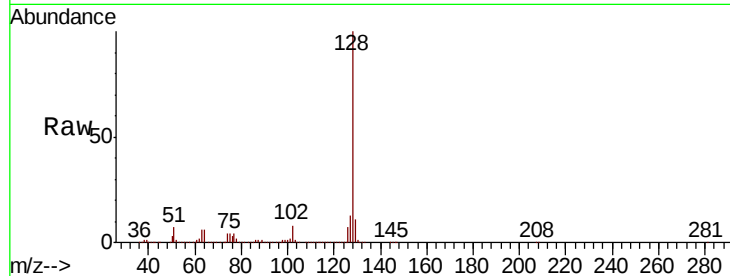




#95  
Naphthalene  
Concen: 255.302 ug/l  
RT: 13.72 min Scan# 3929  
Delta R.T. 0.00 min  
Lab File: VU034341.D  
Acq: 06 Sep 2019 19:17

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-1A

Tgt Ion:128 Resp: 5418450  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 15.8  
129 10.9 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 2.657 ug/l  
RT: 13.97 min Scan# 4006  
Delta R.T. 0.00 min  
Lab File: VU034341.D  
Acq: 06 Sep 2019 19:17

Tgt Ion:180 Resp: 133  
Ion Ratio Lower Upper  
180 100  
182 50.4 48.4 145.0  
145 1427.8 15.4 46.4#

