

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\  
 Data File : VU029043.D  
 Acq On : 04 Jan 2019 21:32  
 Operator : MD/SY  
 Sample : K1064-05 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 P-1419-W

Quant Time: Jan 05 03:50:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 110176   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 186507   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 168756   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 72875    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 72963    | 53.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.14% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 63740    | 52.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.44% |      |
| 50) Toluene-d8            | 7.56   | 98  | 235528   | 49.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.70%  |      |
| 62) 4-Bromofluorobenzene  | 10.30  | 95  | 76939    | 44.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.70%  |      |

## Target Compounds

|                                |       |     |        |               | Qvalue |
|--------------------------------|-------|-----|--------|---------------|--------|
| 3) Chloromethane               | 1.33  | 50  | 1082   | Below Cal     | 96     |
| 5) Bromomethane                | 1.62  | 94  | 70     | Below Cal     | 87     |
| 11) Tert butyl alcohol         | 2.82  | 59  | 391    | 1.129 ug/l #  | 73     |
| 16) Acetone                    | 2.32  | 43  | 7236   | 8.434 ug/l    | 98     |
| 17) Carbon Disulfide           | 2.48  | 76  | 20     | Below Cal #   | 75     |
| 18) Methyl Acetate             | 2.62  | 43  | 591    | 0.296 ug/l #  | 51     |
| 20) Methylene Chloride         | 2.70  | 84  | 739    | 0.507 ug/l #  | 94     |
| 25) 2-Butanone                 | 4.29  | 43  | 1196   | 1.032 ug/l #  | 47     |
| 29) Tetrahydrofuran            | 4.65  | 42  | 618    | 0.879 ug/l #  | 56     |
| 31) Cyclohexane                | 4.99  | 56  | 5533   | 1.358 ug/l #  | 63     |
| 36) 1,1-Dichloropropene        | 4.98  | 75  | 8026   | 4.305 ug/l #  | 47     |
| 38) Carbon Tetrachloride       | 4.98  | 117 | 9518   | 6.121 ug/l #  | 16     |
| 39) Methylcyclohexane          | 6.41  | 83  | 12507  | 5.457 ug/l    | 99     |
| 40) Benzene                    | 5.39  | 78  | 4729   | 0.813 ug/l    | 93     |
| 43) Isopropyl Acetate          | 5.78  | 43  | 19335  | 6.160 ug/l #  | 58     |
| 48) Methyl methacrylate        | 6.64  | 41  | 1003   | 0.656 ug/l #  | 54     |
| 51) 4-Methyl-2-Pentanone       | 7.47  | 43  | 559    | 0.262 ug/l #  | 65     |
| 52) Toluene                    | 7.64  | 92  | 62646  | 17.696 ug/l   | 98     |
| 53) t-1,3-Dichloropropene      | 7.64  | 75  | 576    | 0.265 ug/l #  | 1      |
| 55) 1,1,2-Trichloroethane      | 8.04  | 97  | 4264   | 3.007 ug/l #  | 18     |
| 56) Ethyl methacrylate         | 8.05  | 69  | 992    | 0.454 ug/l #  | 1      |
| 67) Ethyl Benzene              | 9.25  | 91  | 159182 | 25.205 ug/l   | 99     |
| 68) m/p-Xylenes                | 9.37  | 106 | 171846 | 70.031 ug/l   | 100    |
| 69) o-Xylene                   | 9.78  | 106 | 92648  | 39.185 ug/l   | 98     |
| 70) Styrene                    | 9.77  | 104 | 4710   | 1.215 ug/l #  | 1      |
| 73) Isopropylbenzene           | 10.16 | 105 | 37724  | 6.994 ug/l    | 99     |
| 74) N-amyl acetate             | 10.04 | 43  | 1659   | 0.714 ug/l #  | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 10.45 | 83  | 486    | 0.225 ug/l #  | 75     |
| 76) 1,2,3-Trichloropropane     | 10.68 | 75  | 3495   | 1.957 ug/l #  | 1      |
| 78) n-propylbenzene            | 10.58 | 91  | 120590 | 18.970 ug/l   | 99     |
| 79) 2-Chlorotoluene            | 10.68 | 91  | 52962  | 13.735 ug/l # | 41     |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105 | 116162 | 25.788 ug/l   | 100    |
| 81) trans-1,4-Dichloro-2-buten | 10.68 | 75  | 3495   | 5.048 ug/l #  | 100    |
| 82) 4-Chlorotoluene            | 10.77 | 91  | 12879  | 2.913 ug/l #  | 44     |

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 P-1419-W

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 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

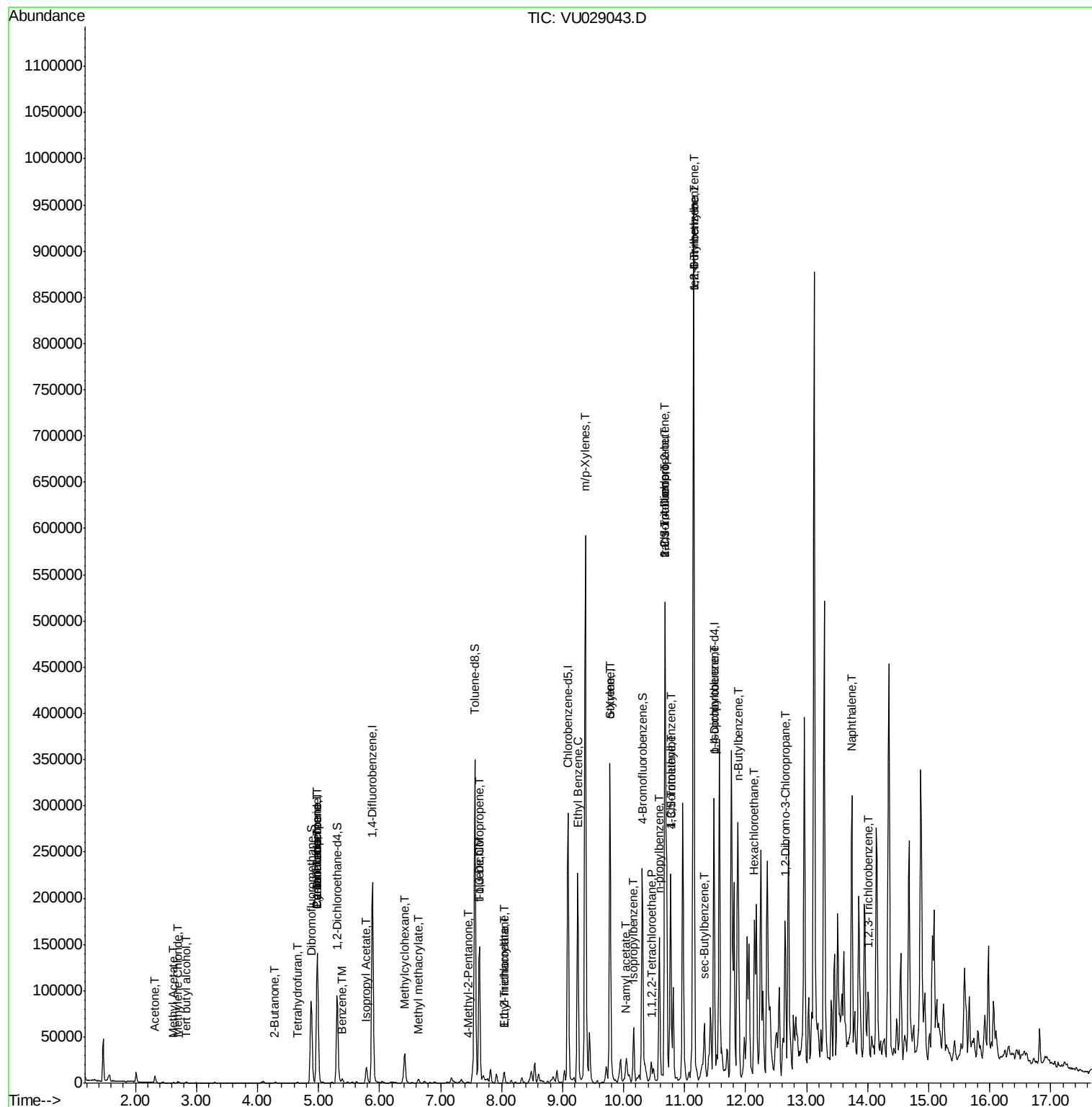
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 83) tert-Butylbenzene          | 11.15 | 119  | 62531    | 14.085  | ug/l # | 62       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 507076   | 112.753 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 34085    | 6.348   | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 11.47 | 119  | 18162    | 3.970   | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.88 | 91   | 66171    | 16.204  | ug/l # | 45       |
| 90) Hexachloroethane           | 12.14 | 117  | 8967     | 11.650  | ug/l # | 7        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 569      | 1.368   | ug/l # | 1        |
| 95) Naphthalene                | 13.74 | 128  | 204613   | 36.283  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 431      | 1.024   | ug/l # | 1        |

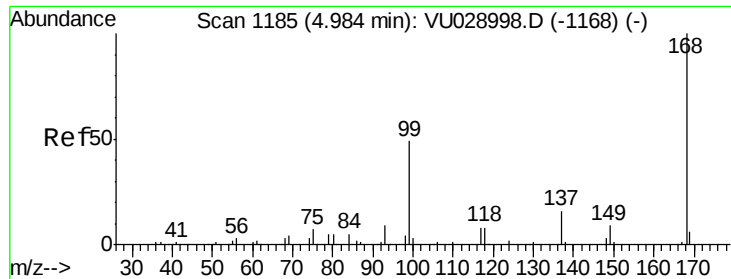
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010519\  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 04 02:22:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

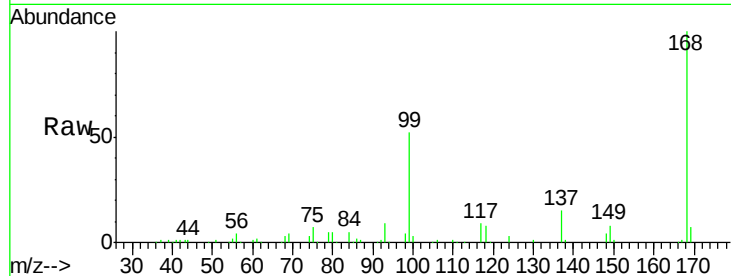
P-1419-W

Tot Ion:168 Resp: 110176

Ion Ratio Lower Upper

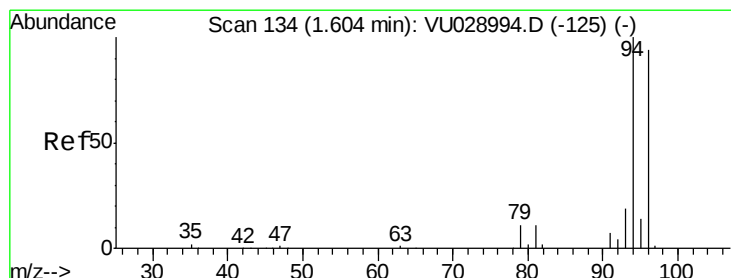
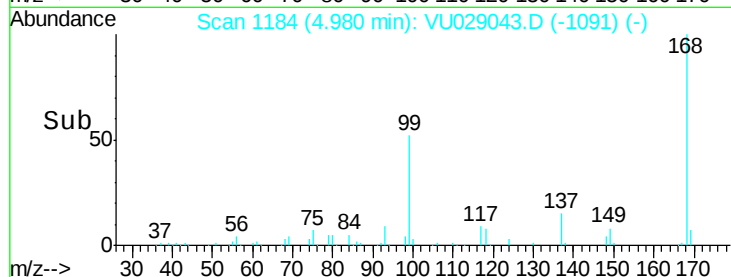
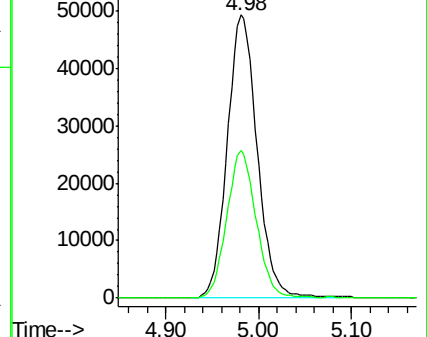
168 100

99 52.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029043.D

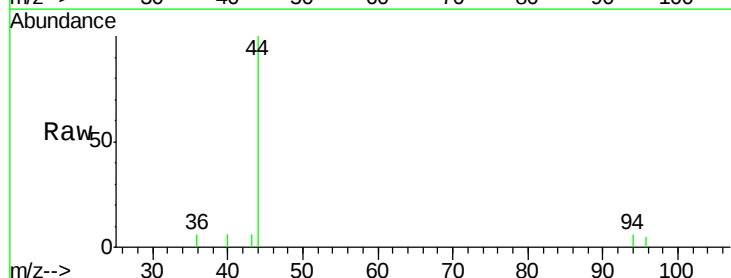
Acq: 04 Jan 2019 21:32

Tgt Ion: 94 Resp: 70

Ion Ratio Lower Upper

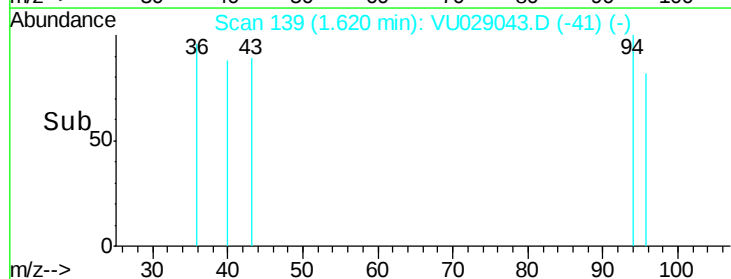
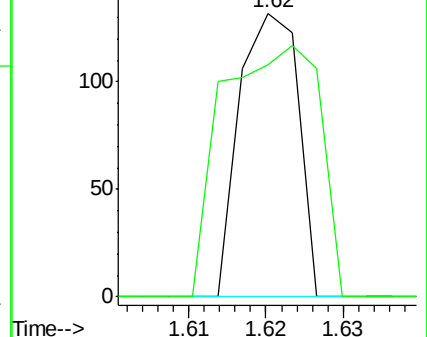
94 100

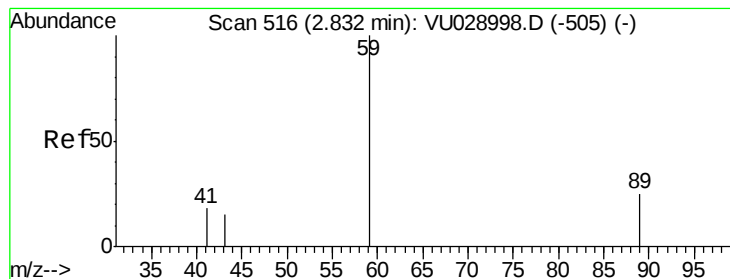
96 81.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)



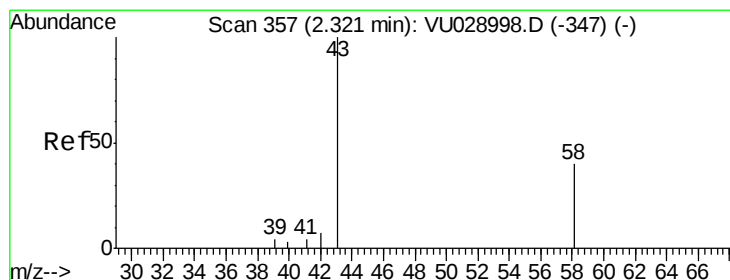
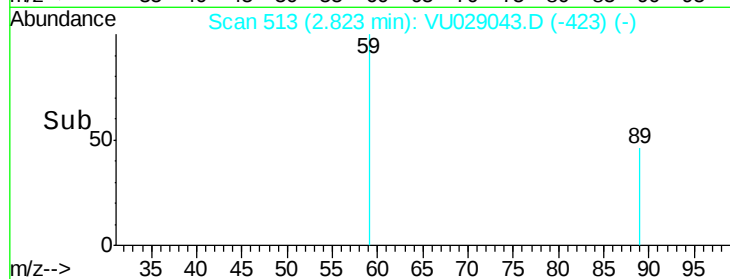
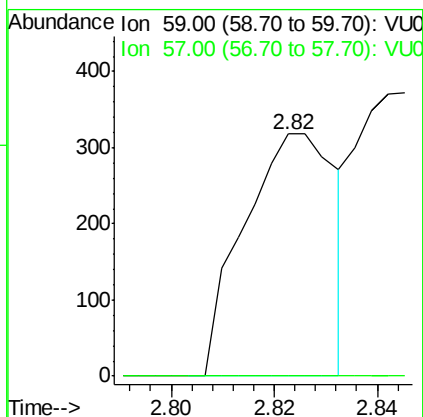
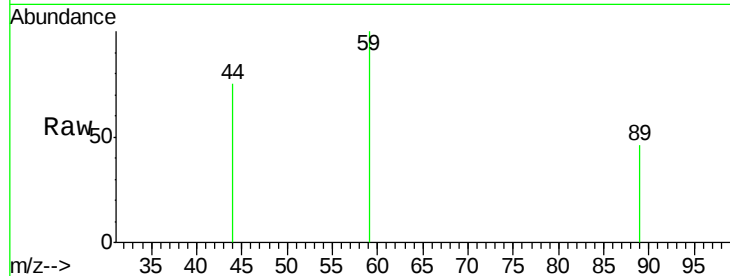


#11

Tert butyl alcohol  
 Concen: 1.129 ug/l  
 RT: 2.82 min Scan# 513  
 Delta R.T. -0.01 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 P-1419-W

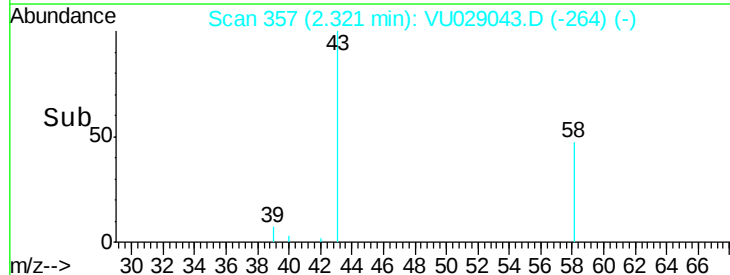
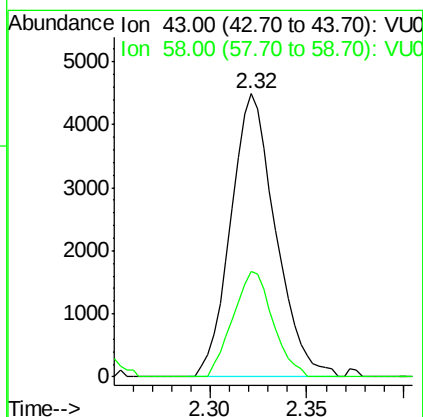
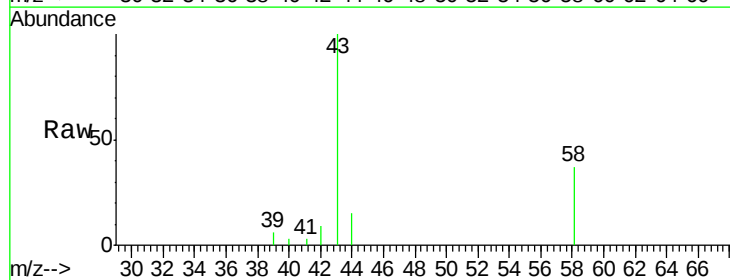
Tot Ion: 59 Resp: 391  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.9 11.9#

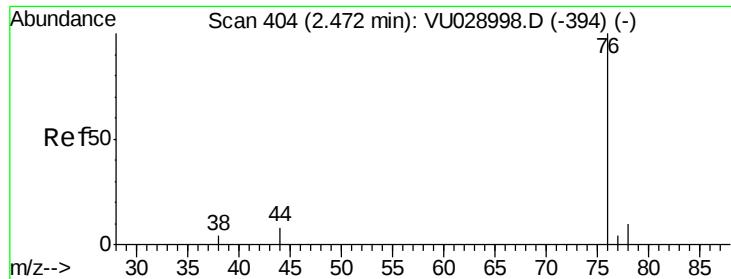


#16

Acetone  
 Concen: 8.434 ug/l  
 RT: 2.32 min Scan# 357  
 Delta R.T. -0.00 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

Tgt Ion: 43 Resp: 7236  
 Ion Ratio Lower Upper  
 43 100  
 58 37.1 28.6 42.8

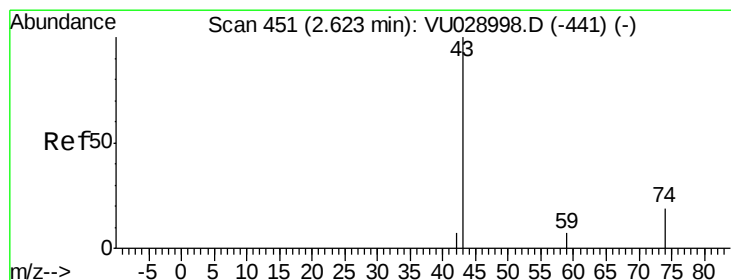
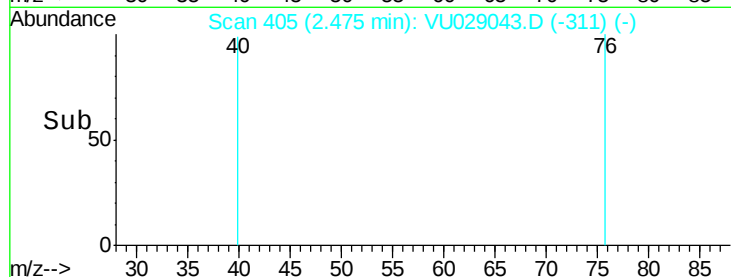
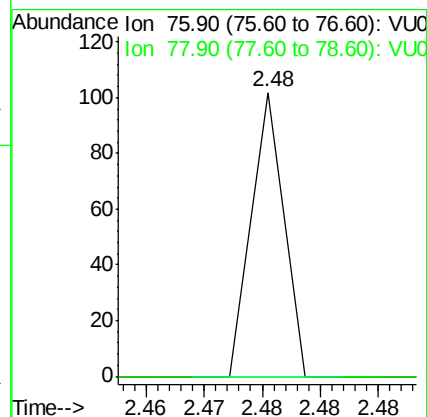
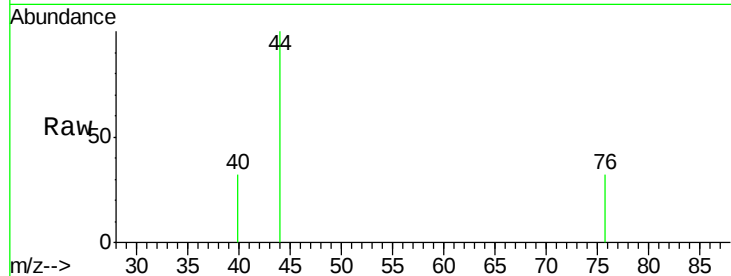




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.48 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

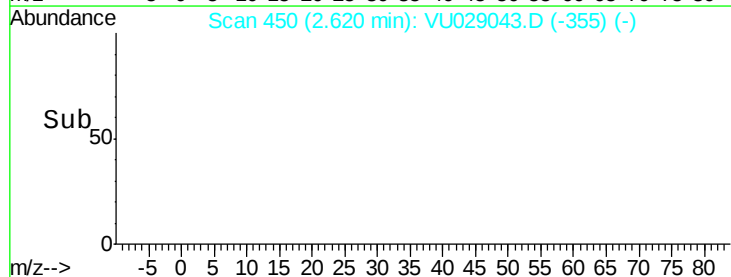
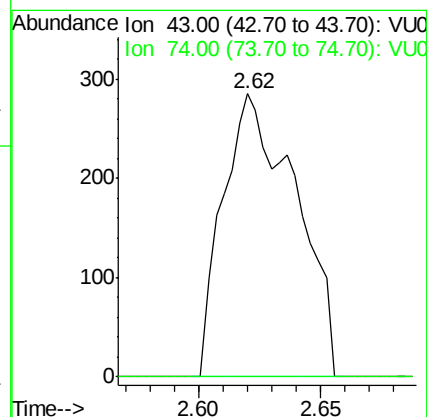
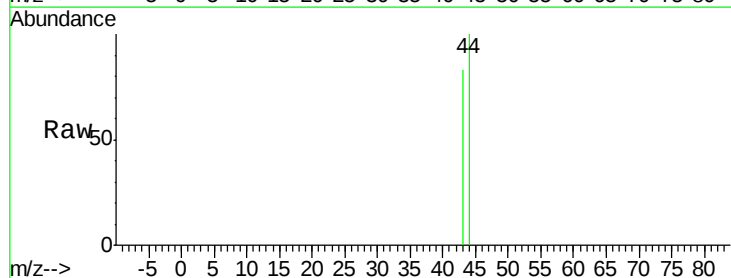
Instrument :  
MSVOA\_U  
ClientSampleId :  
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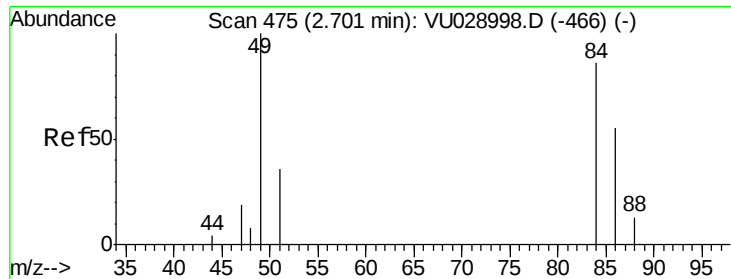
Tot Ion: 76 Resp: 20  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#18  
Methyl Acetate  
Concen: 0.296 ug/l  
RT: 2.62 min Scan# 450  
Delta R.T. 0.01 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 43 Resp: 591  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.5 29.3#

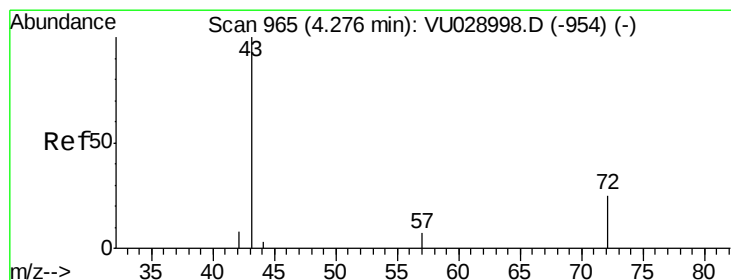
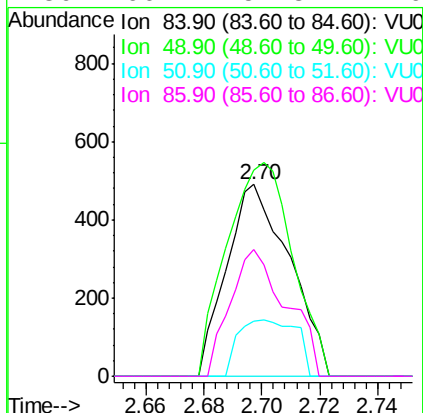
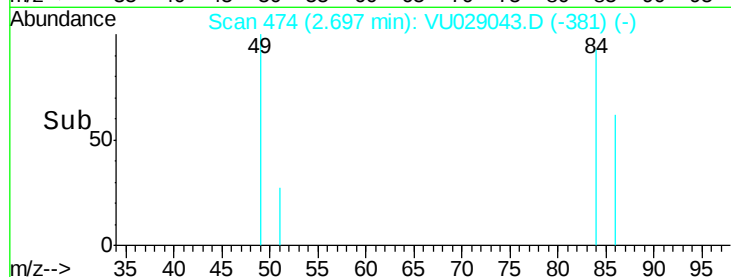
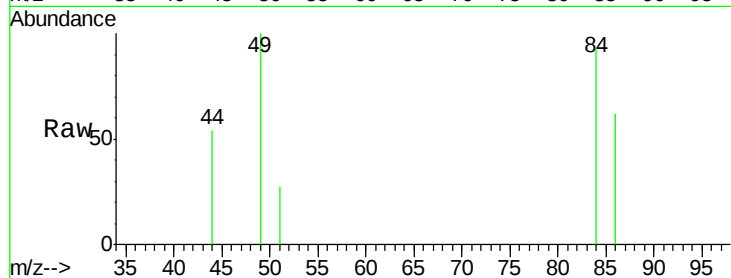




#20  
Methvlene Chloride  
Concen: 0.507 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

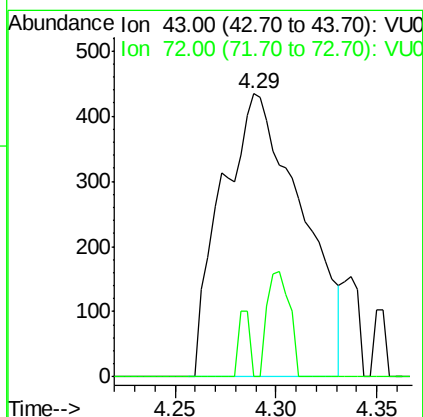
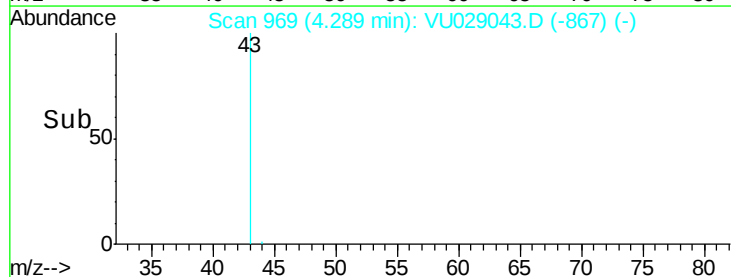
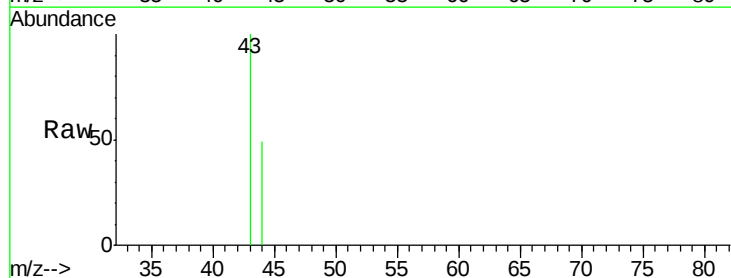
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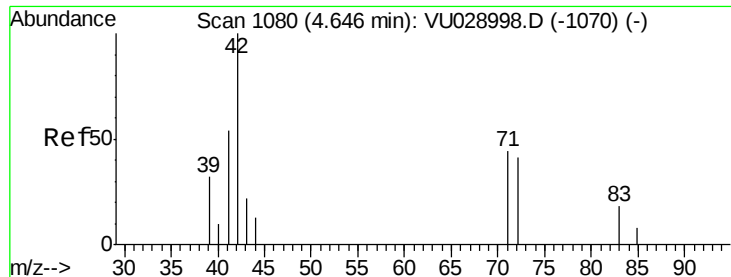
Tot Ion: 84 Resp: 739  
Ion Ratio Lower Upper  
84 100  
49 107.5 91.9 137.9  
51 28.7 29.2 43.8#  
86 66.4 51.8 77.6



#25  
2-Butanone  
Concen: 1.032 ug/l  
RT: 4.29 min Scan# 969  
Delta R.T. 0.03 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 43 Resp: 1196  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.879 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

P-1419-W

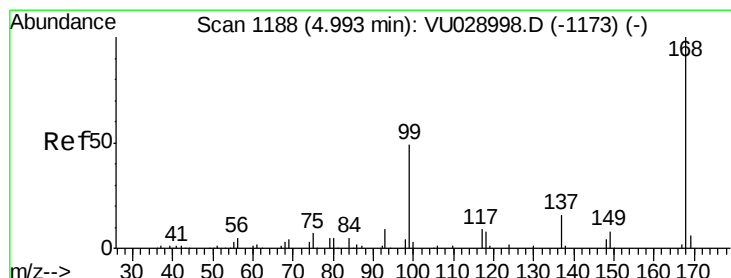
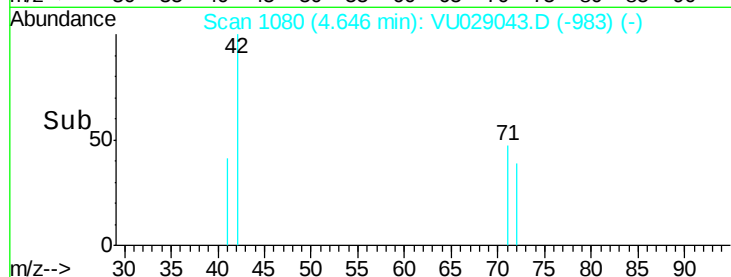
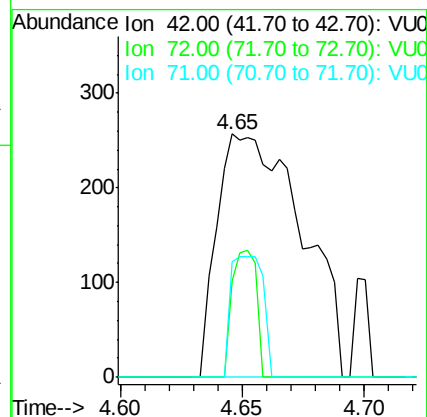
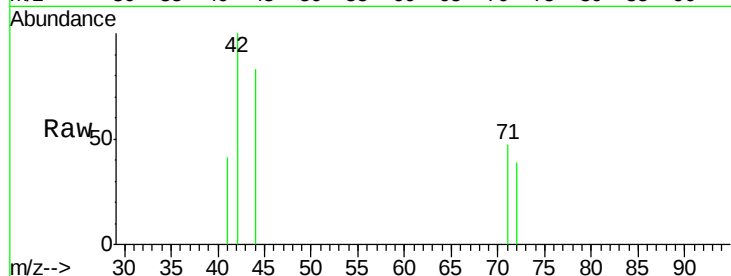
Tot Ion: 42 Resp: 618

Ion Ratio Lower Upper

42 100

72 15.2 38.3 57.5#

71 19.1 36.1 54.1#



#31

Cyclohexane

Concen: 1.358 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

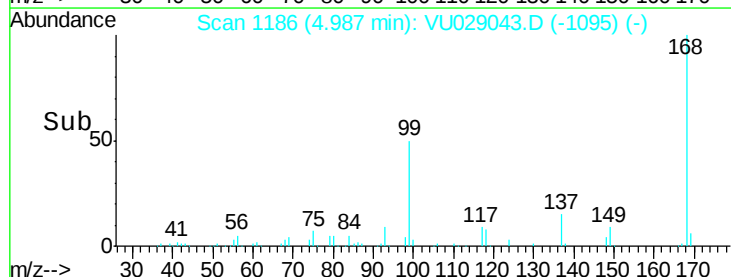
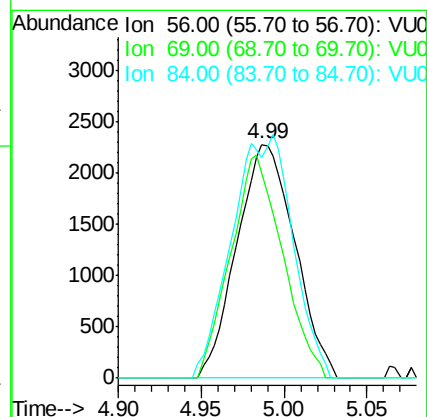
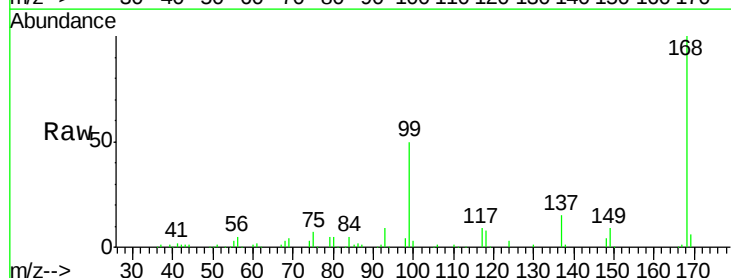
Tgt Ion: 56 Resp: 5533

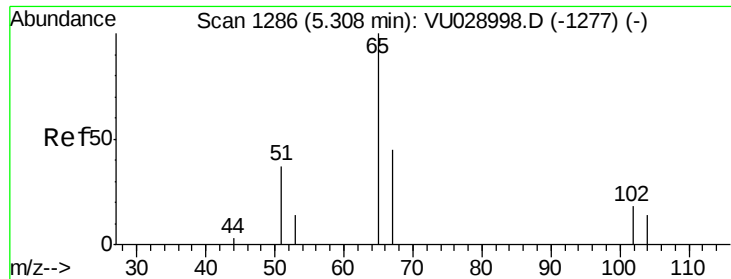
Ion Ratio Lower Upper

56 100

69 87.5 26.7 40.1#

84 94.3 65.7 98.5

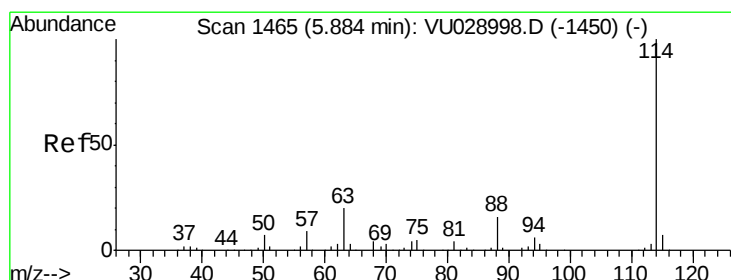
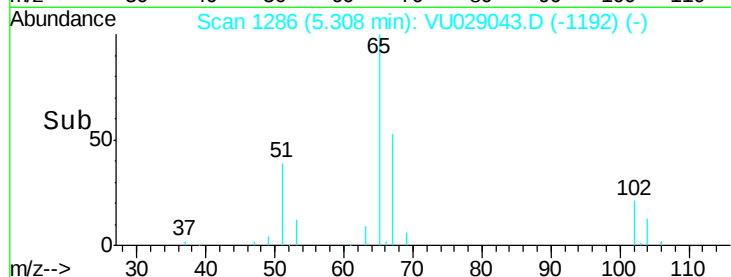
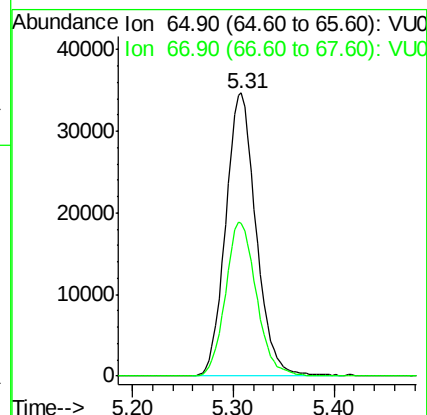
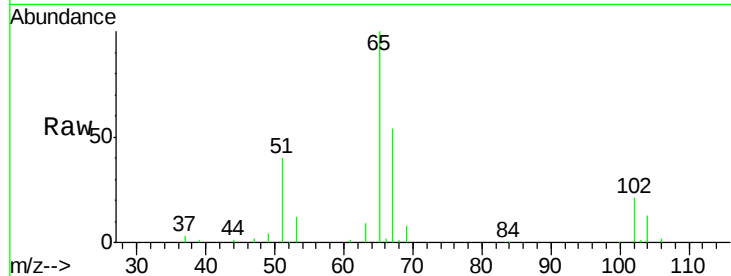




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.571 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

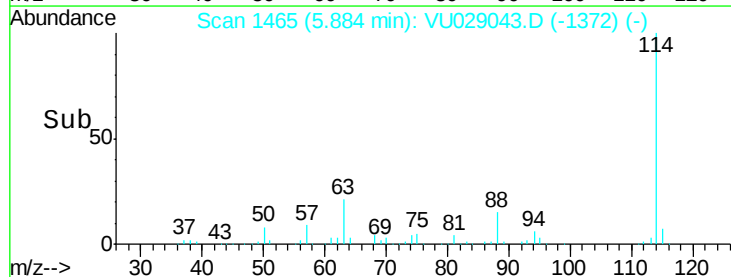
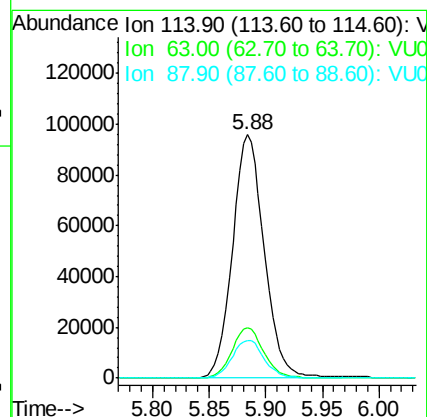
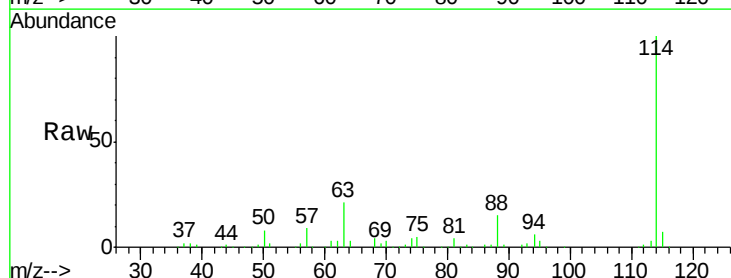
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 P-1419-W

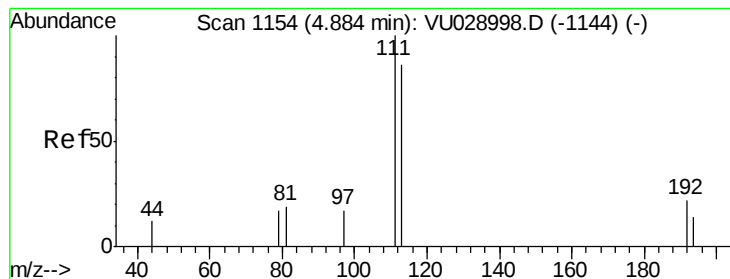
Tot Ion: 65 Resp: 72963  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

Tgt Ion: 114 Resp: 186507  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 40.2  
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.722 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

P-1419-W

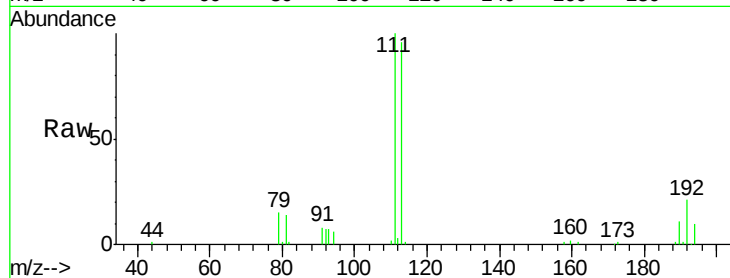
Tot Ion:113 Resp: 63740

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

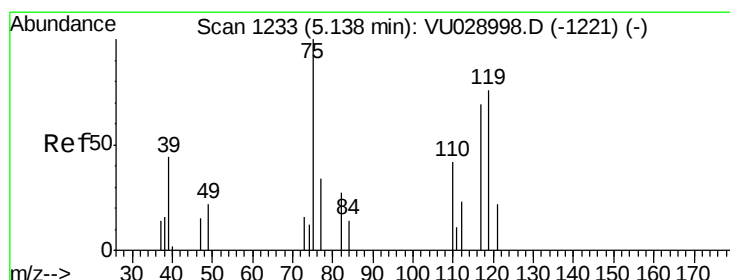
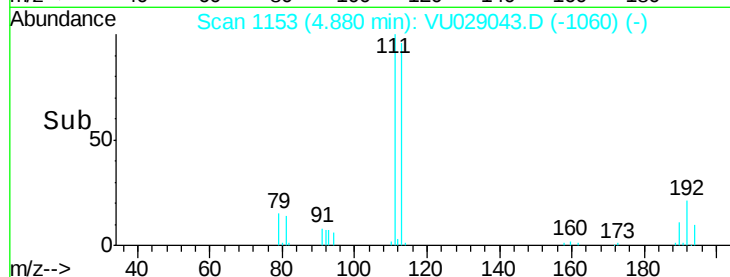
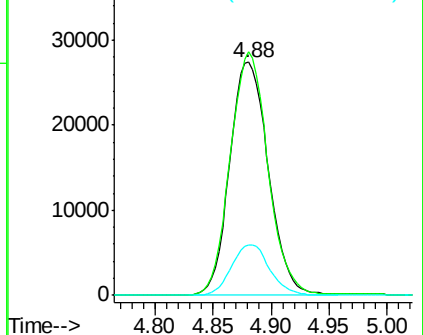
192 21.3 16.8 25.2



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: 4.305 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

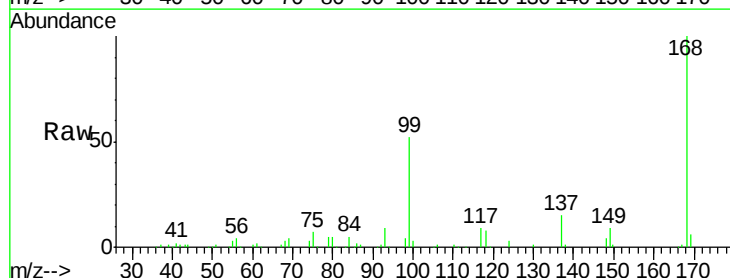
Tgt Ion: 75 Resp: 8026

Ion Ratio Lower Upper

75 100

110 6.8 18.4 55.4#

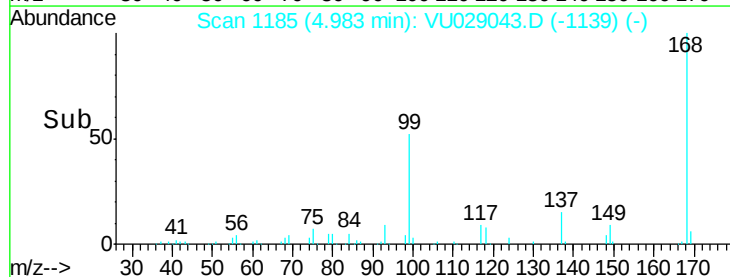
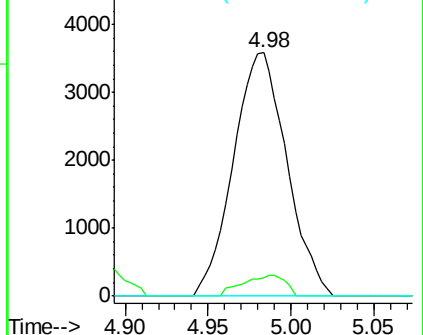
77 0.0 25.1 37.7#

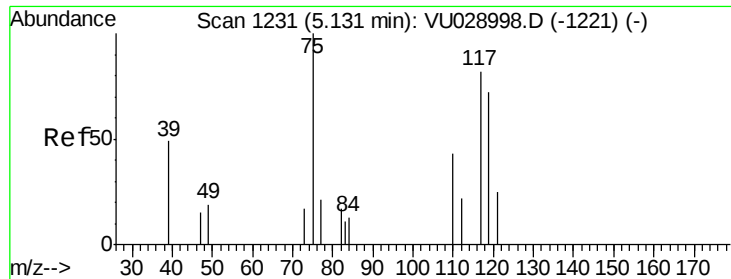


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

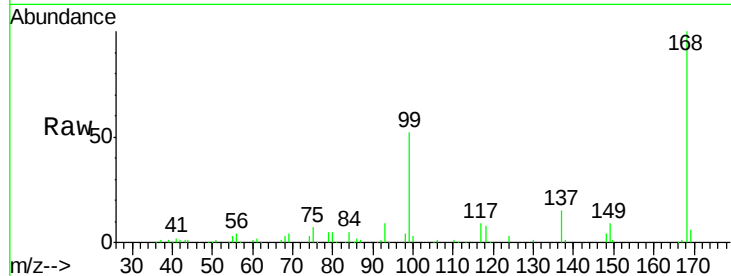




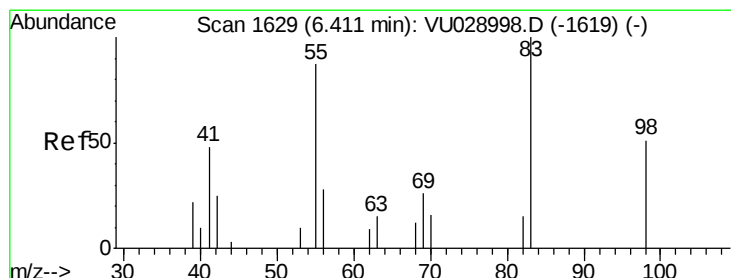
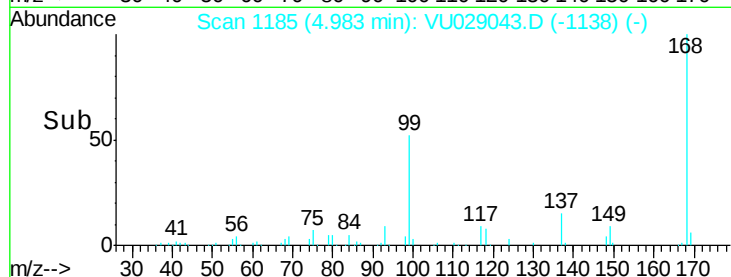
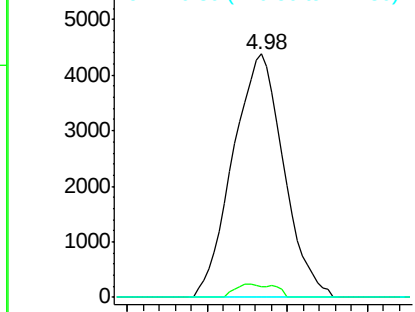
#38  
Carbon Tetrachloride  
Concen: 6.121 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. -0.15 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

Tot Ion:117 Resp: 9518  
Ion Ratio Lower Upper  
117 100  
119 4.2 74.6 111.8#  
121 0.0 25.0 37.6#

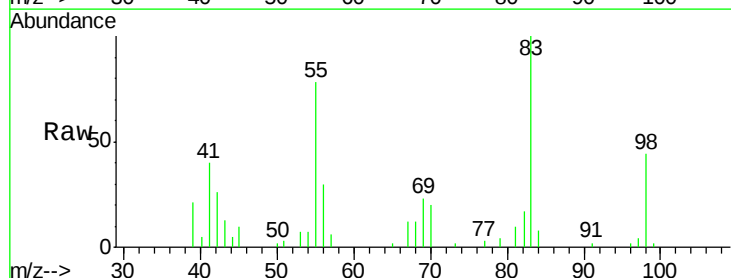


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

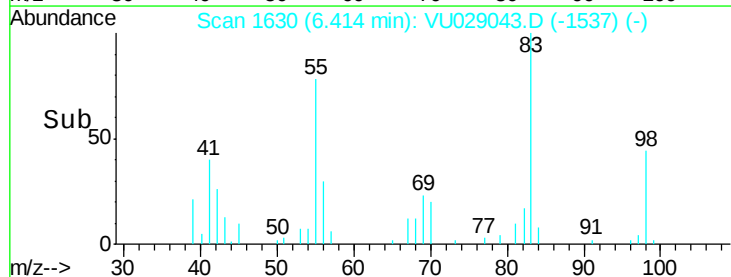
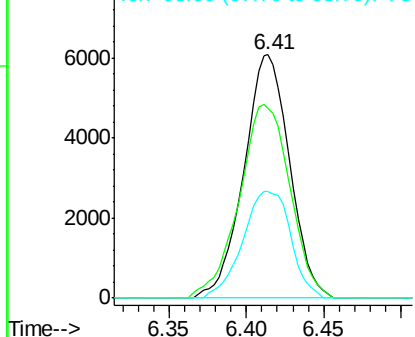


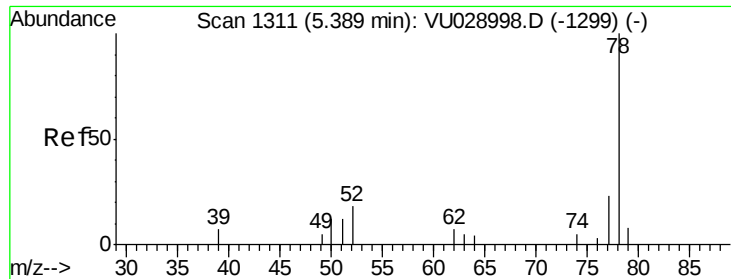
#39  
Methylcyclohexane  
Concen: 5.457 ug/l  
RT: 6.41 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 83 Resp: 12507  
Ion Ratio Lower Upper  
83 100  
55 78.2 62.4 93.6  
98 43.6 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.813 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

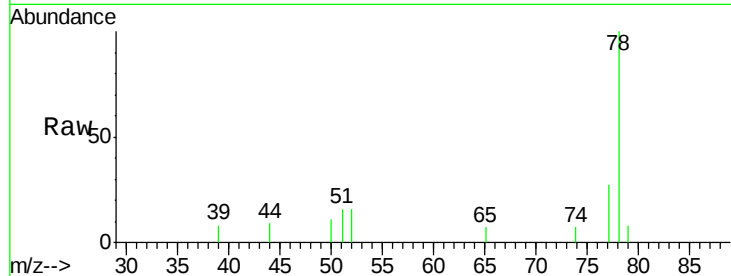
P-1419-W

Tot Ion: 78 Resp: 4729

Ion Ratio Lower Upper

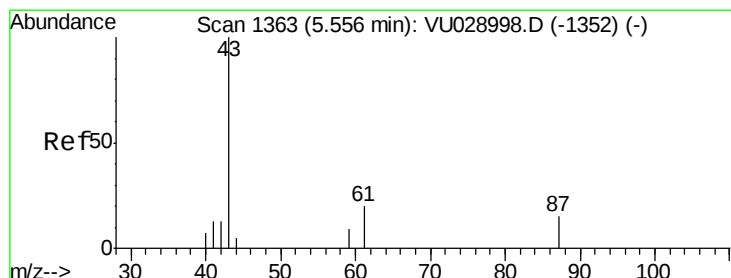
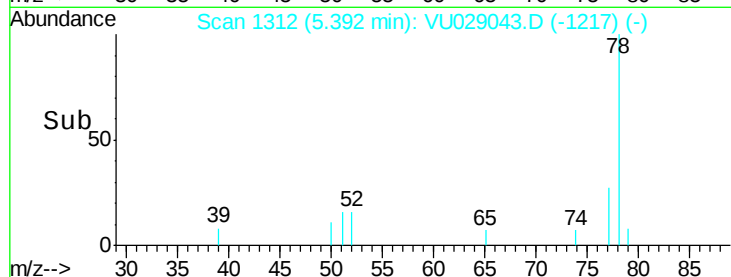
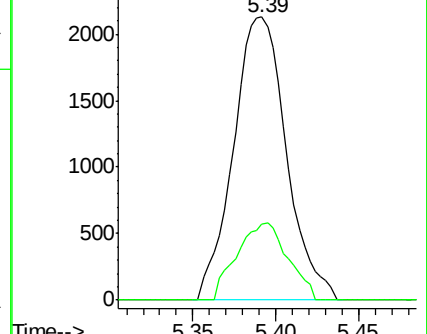
78 100

77 26.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#43

Isopropyl Acetate

Concen: 6.160 ug/l

RT: 5.78 min Scan# 1434

Delta R.T. 0.24 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

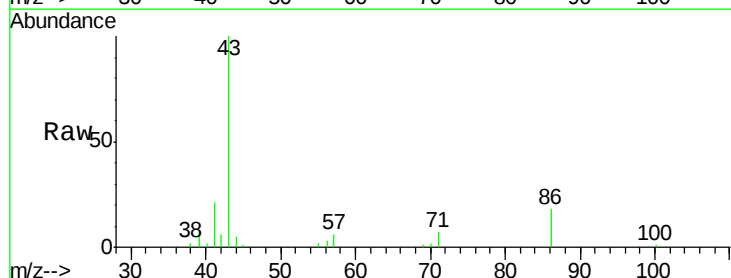
Tgt Ion: 43 Resp: 19335

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

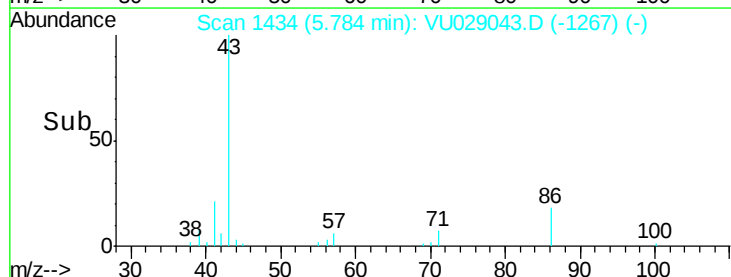
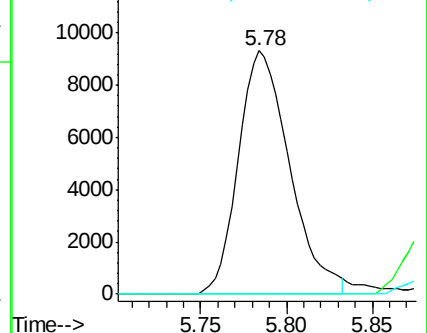
87 0.0 11.3 16.9#

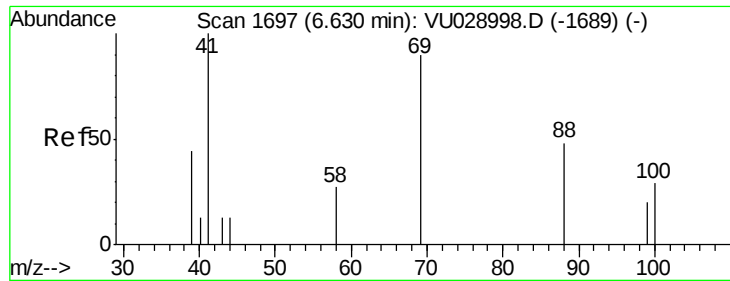


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

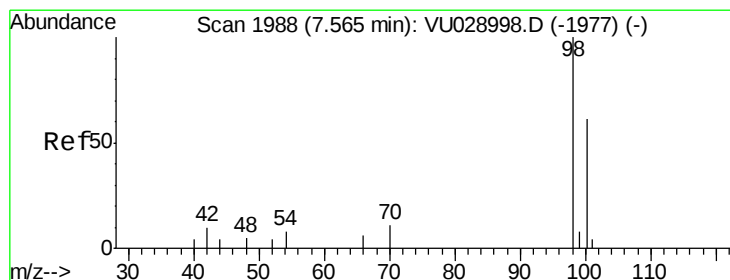
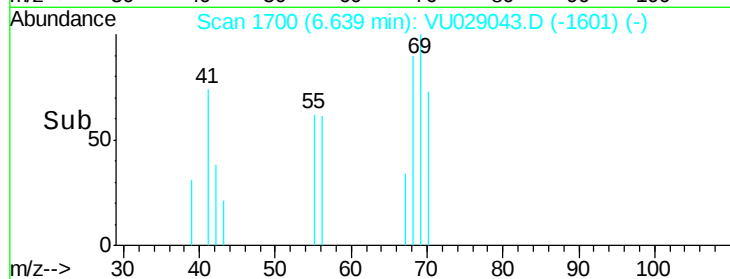
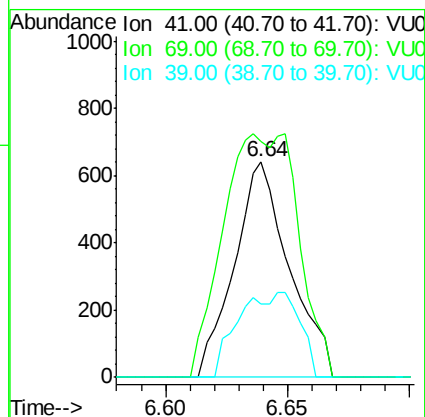
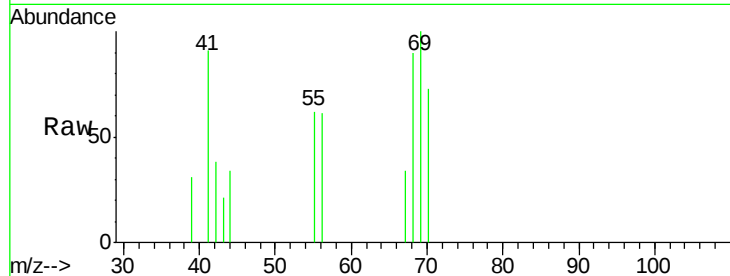




#48  
Methvl methacrylate  
Concen: 0.656 ug/l  
RT: 6.64 min Scan# 1700  
Delta R.T. 0.02 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

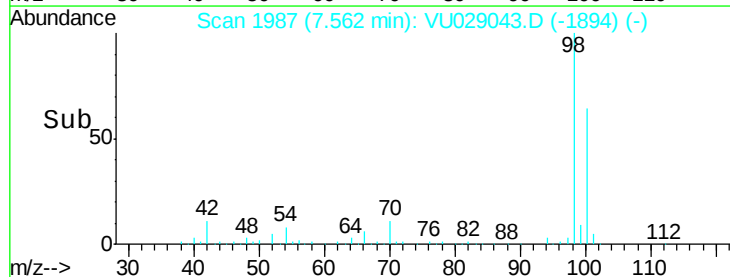
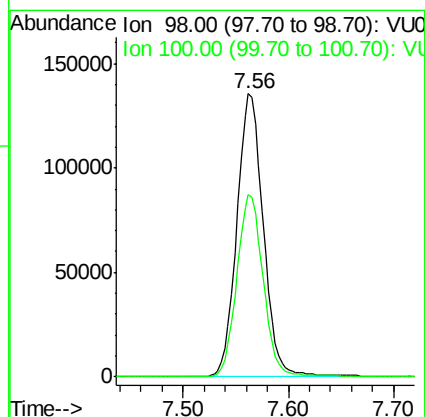
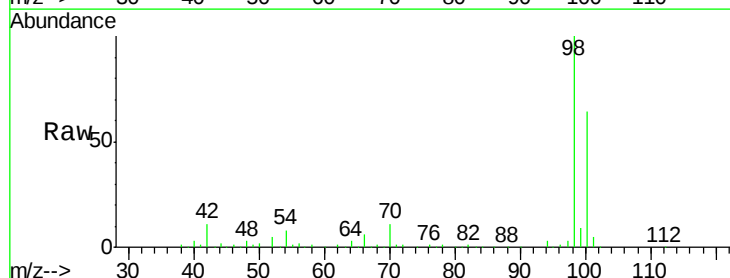
Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

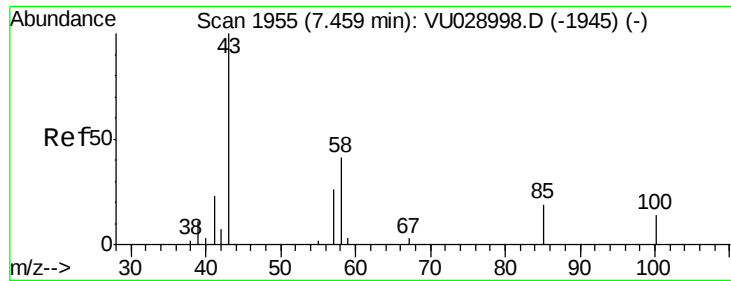
Tot Ion: 41 Resp: 1003  
Ion Ratio Lower Upper  
41 100  
69 155.1 73.6 110.4#  
39 44.1 39.6 59.4



#50  
Toluene-d8  
Concen: 49.346 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 98 Resp: 235528  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.262 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

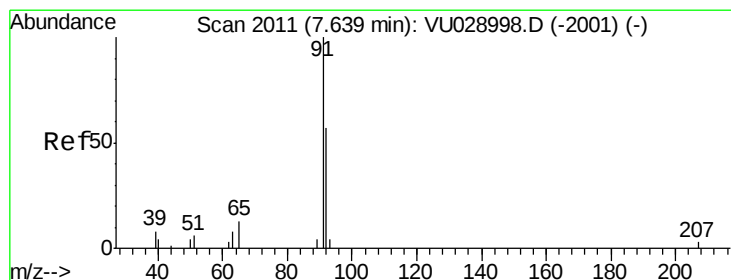
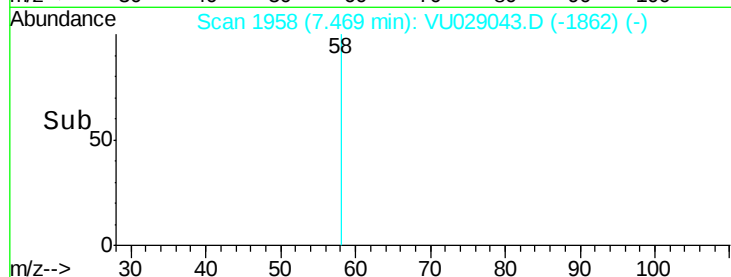
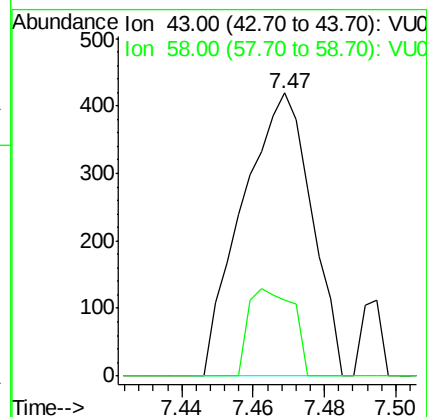
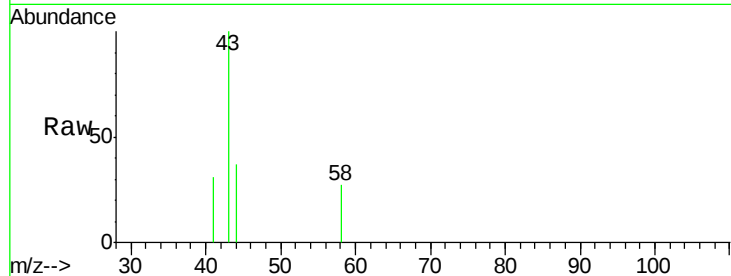
P-1419-W

Tot Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

58 20.0 33.9 50.9#



#52

Toluene

Concen: 17.696 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU029043.D

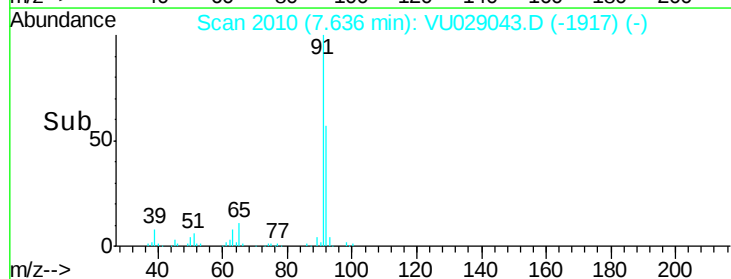
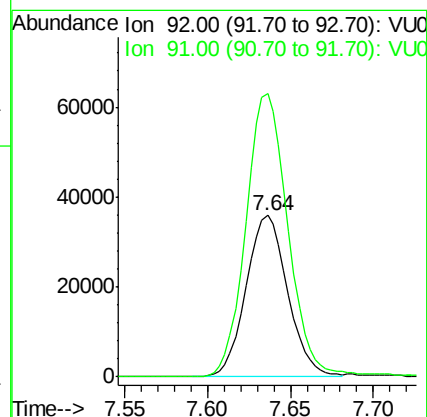
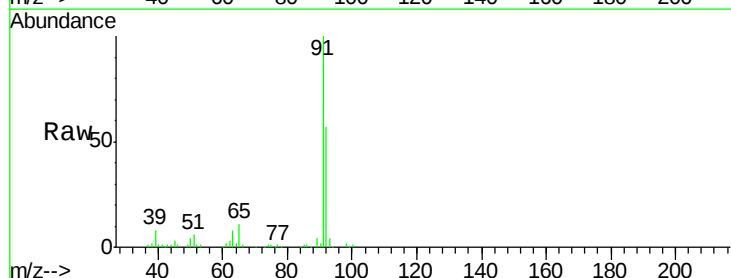
Acq: 04 Jan 2019 21:32

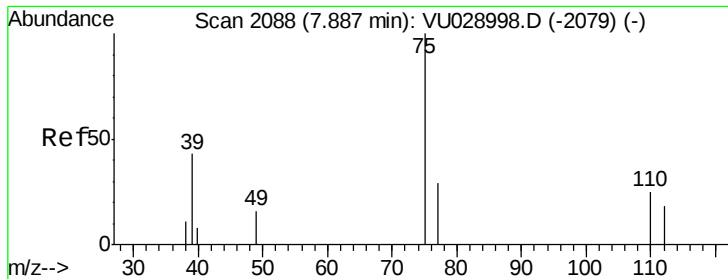
Tgt Ion: 92 Resp: 62646

Ion Ratio Lower Upper

92 100

91 176.9 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 0.265 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

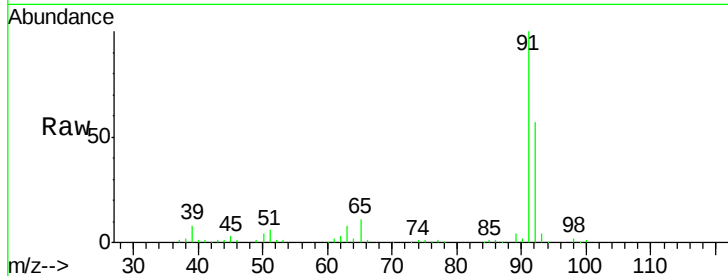
P-1419-W

Tot Ion: 75 Resp: 576

Ion Ratio Lower Upper

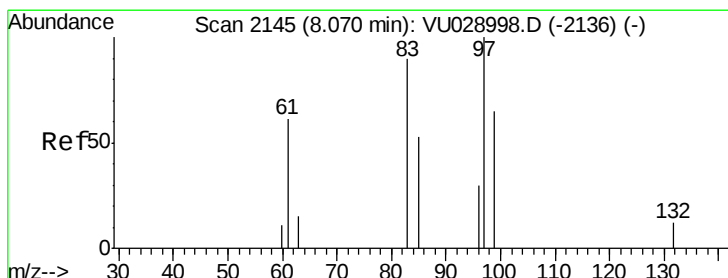
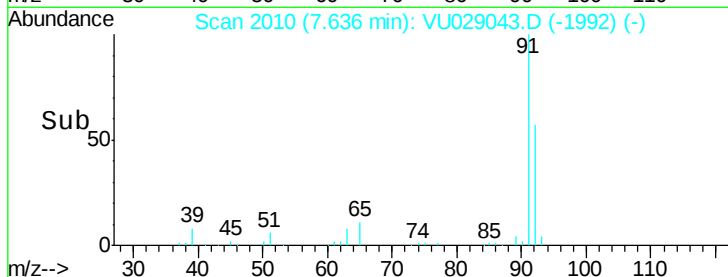
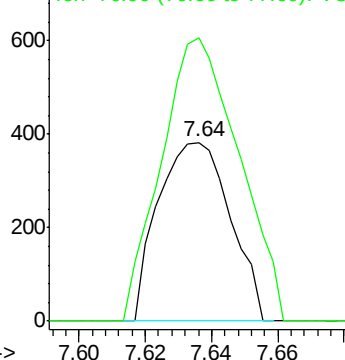
75 100

77 158.2 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#55

1,1,2-Trichloroethane

Concen: 3.007 ug/l

RT: 8.04 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Tgt Ion: 97 Resp: 4264

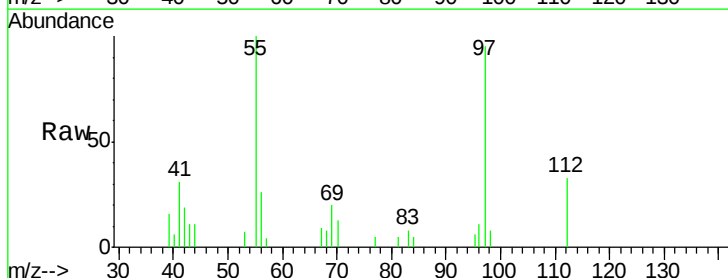
Ion Ratio Lower Upper

97 100

83 8.2 69.8 104.8#

85 0.0 47.3 70.9#

99 0.0 49.7 74.5#

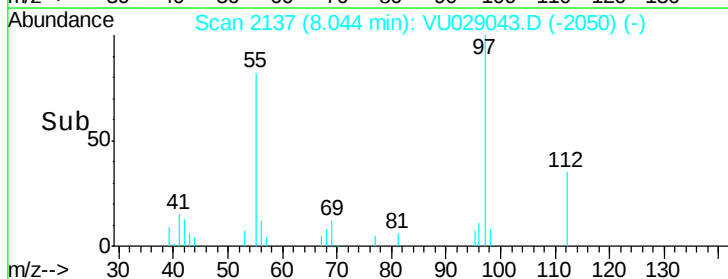
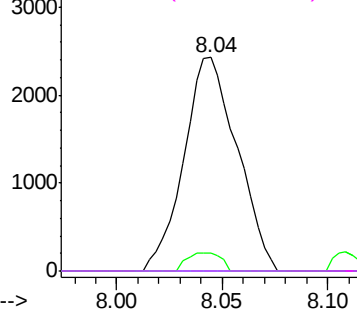


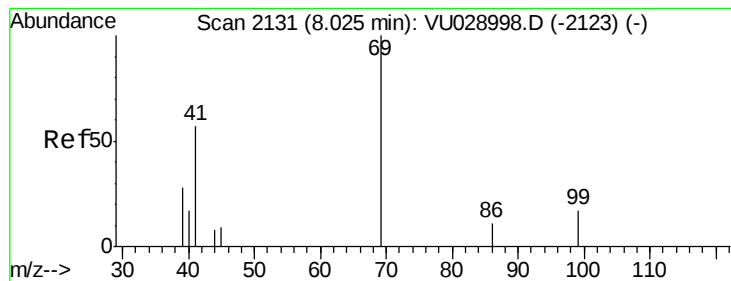
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0





#56

Ethyl methacrylate

Concen: 0.454 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. 0.03 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampled :

P-1419-W

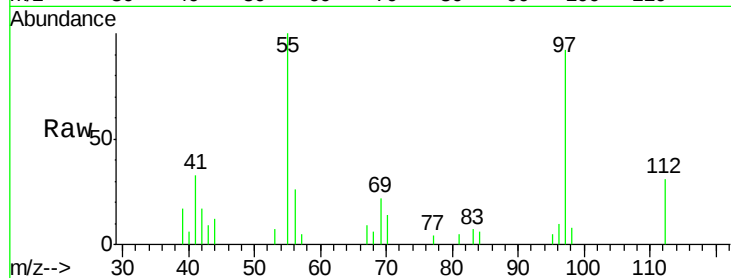
Tot Ion: 69 Resp: 992

Ion Ratio Lower Upper

69 100

41 149.8 47.5 71.3#

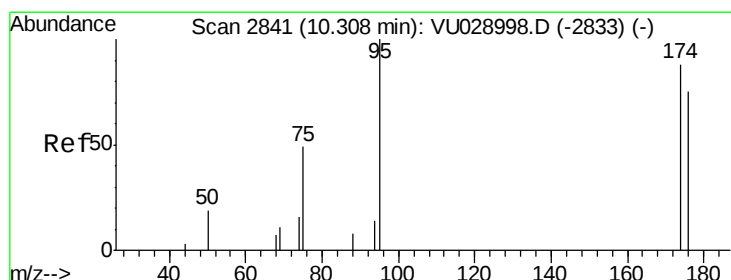
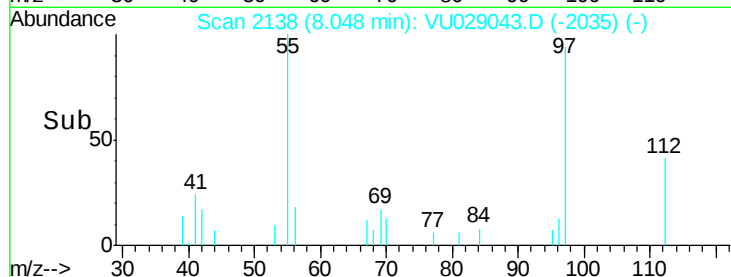
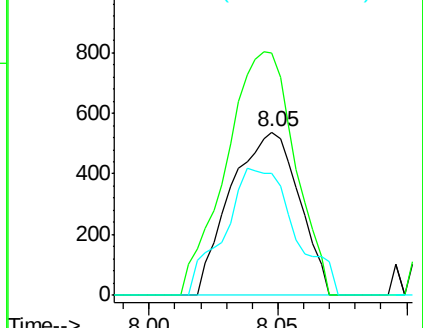
39 80.2 22.5 33.7#



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



#62

4-Bromofluorobenzene

Concen: 44.854 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

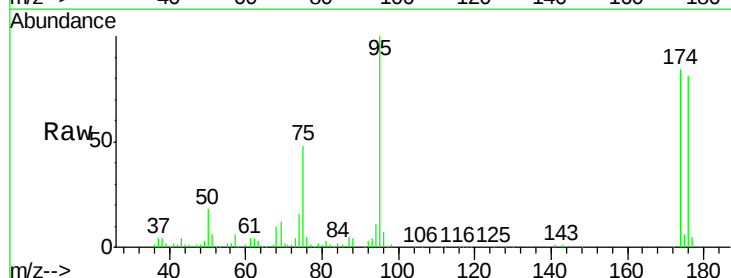
Tgt Ion: 95 Resp: 76939

Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.6

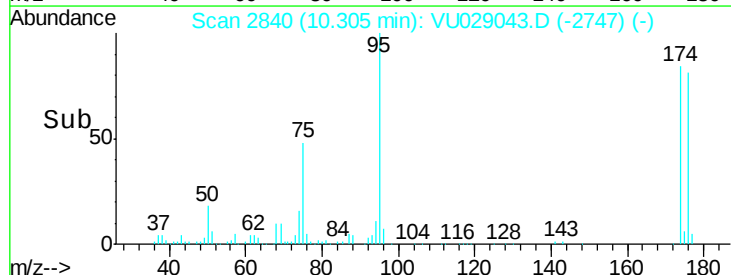
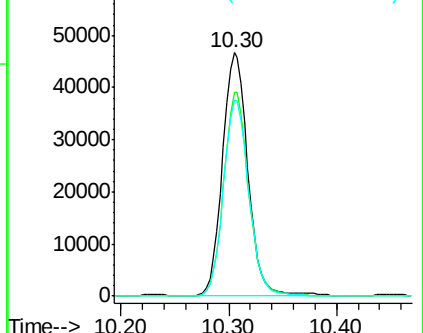
176 80.3 0.0 165.0

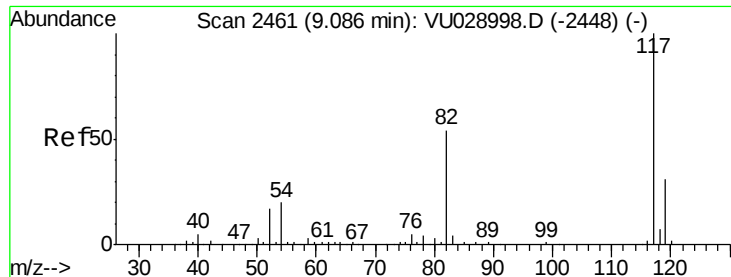


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

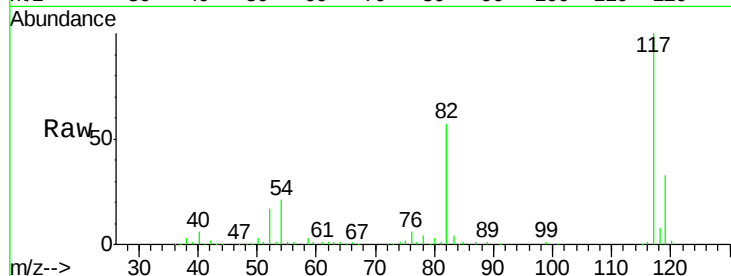




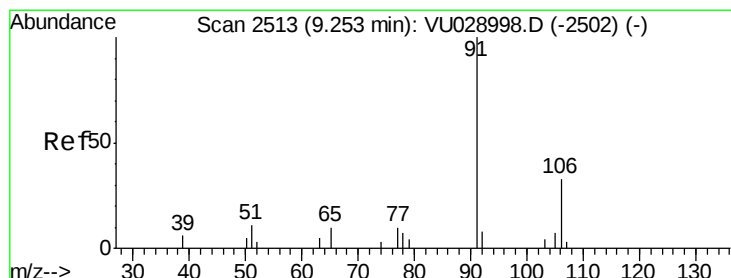
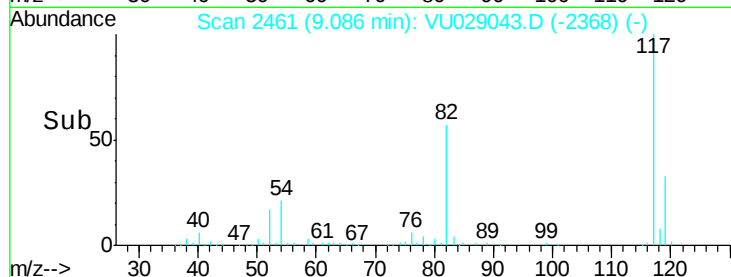
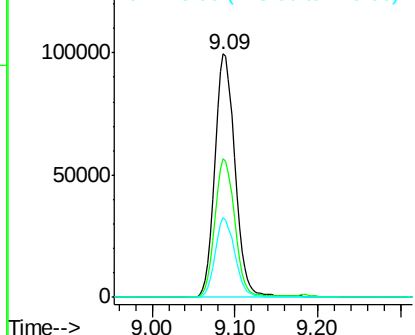
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

Tot Ion:117 Resp: 168756  
Ion Ratio Lower Upper  
117 100  
82 56.9 43.9 65.9  
119 32.6 26.0 39.0

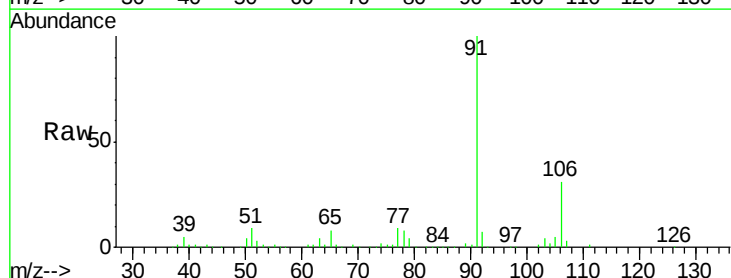


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

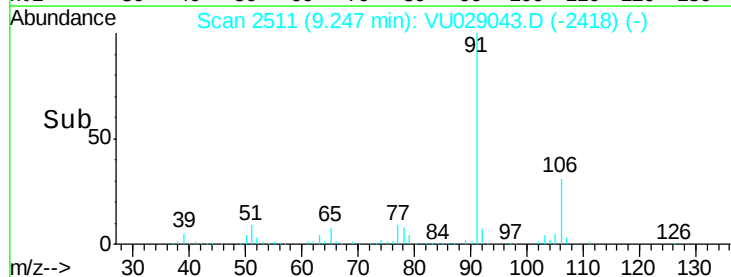
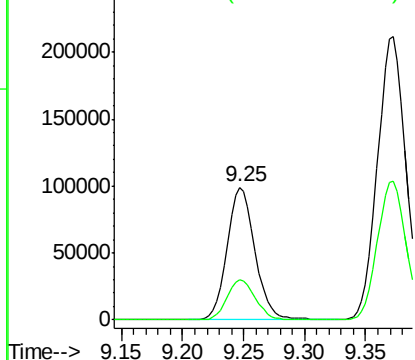


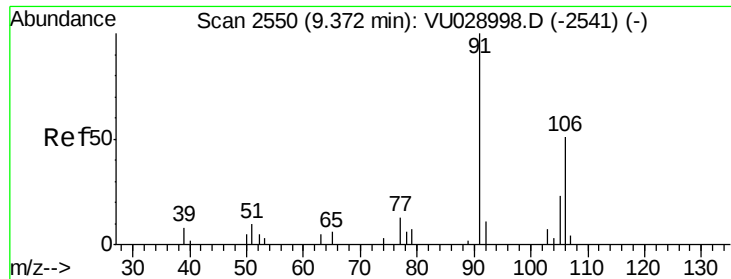
#67  
Ethyl Benzene  
Concen: 25.205 ug/l  
RT: 9.25 min Scan# 2511  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 91 Resp: 159182  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU0  
Ion 106.00 (105.70 to 106.70): V

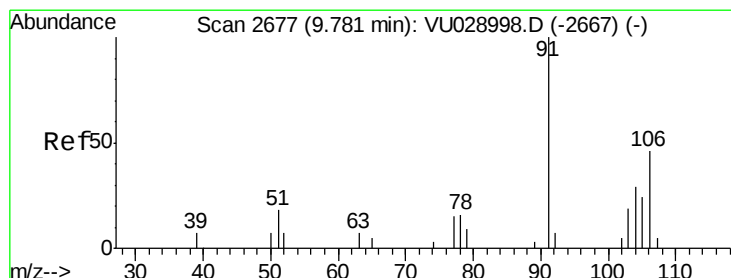
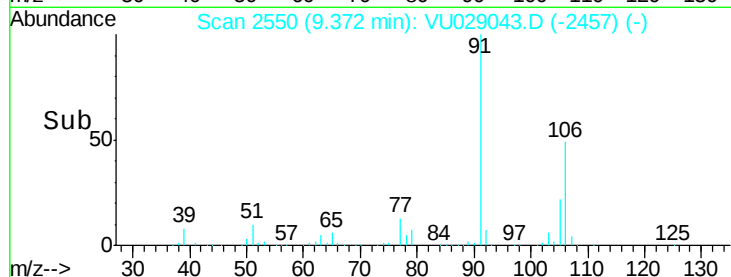
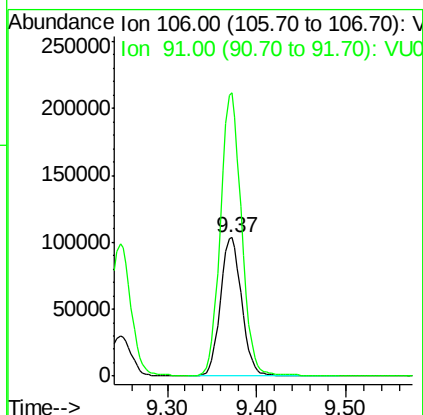
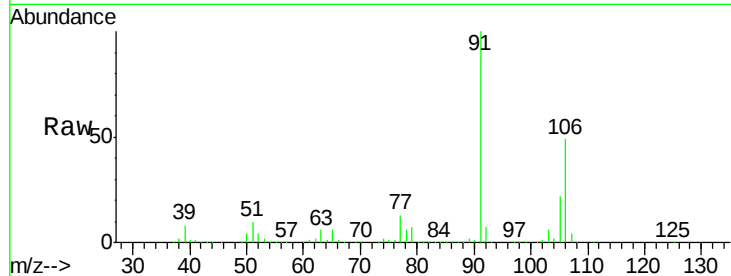




#68  
m/p-Xylenes  
Concen: 70.031 ug/l  
RT: 9.37 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

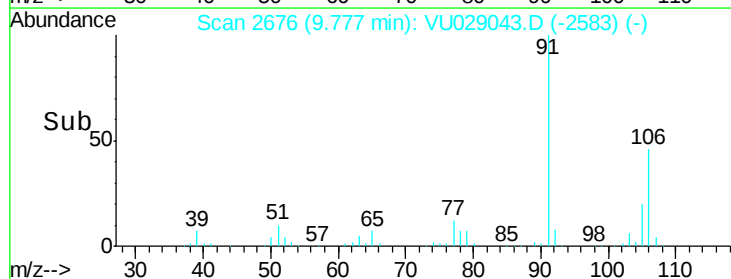
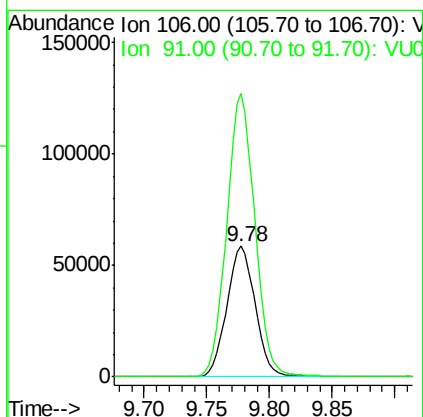
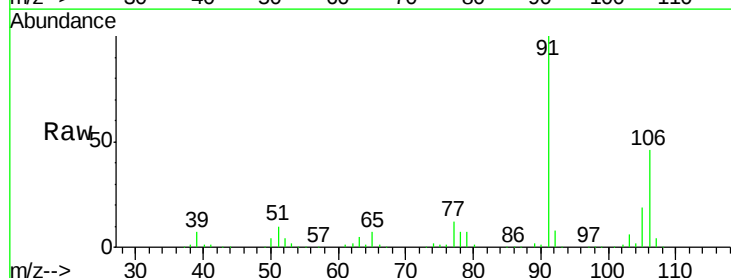
Instrument :  
MSVOA\_U  
ClientSampled :  
P-1419-W

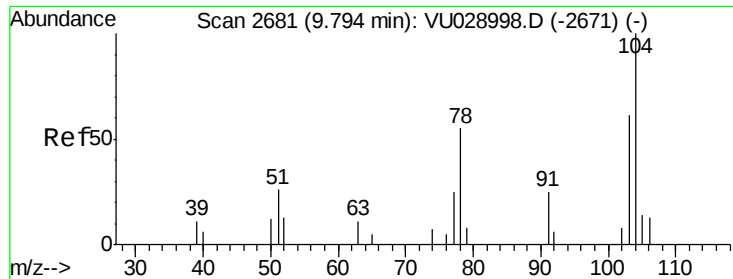
Tot Ion:106 Resp: 171846  
Ion Ratio Lower Upper  
106 100  
91 202.5 161.7 242.5



#69  
o-Xylene  
Concen: 39.185 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion:106 Resp: 92648  
Ion Ratio Lower Upper  
106 100  
91 215.1 106.1 318.3

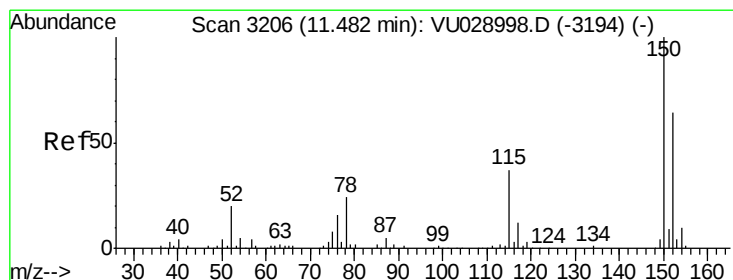
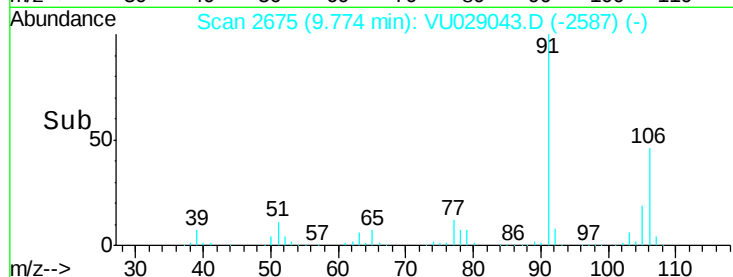
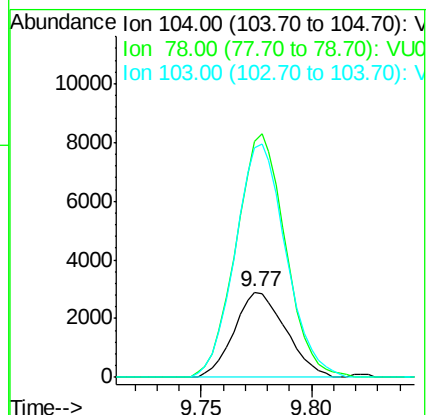
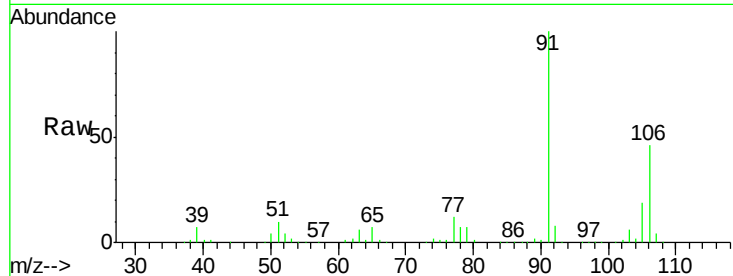




#70  
Stvrene  
Concen: 1.215 ug/l  
RT: 9.77 min Scan# 2675  
Delta R.T. -0.02 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

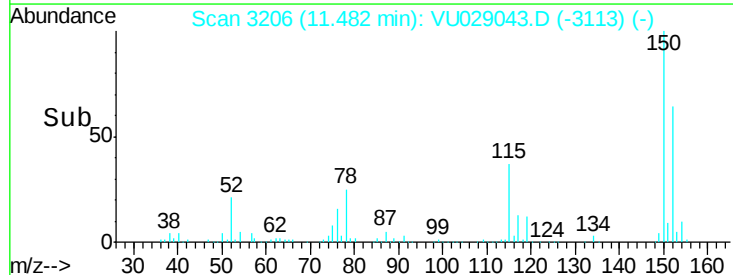
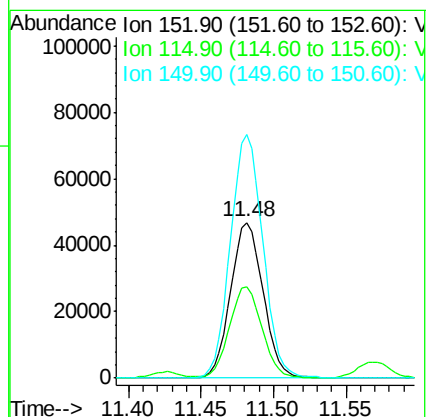
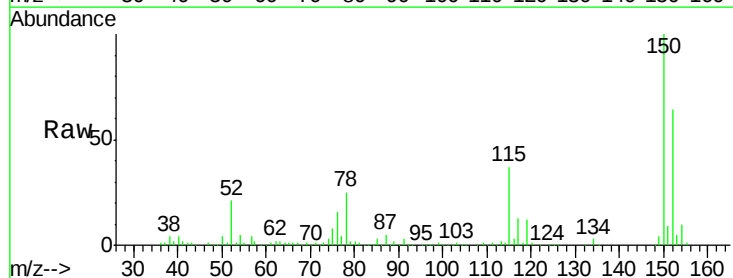
Instrument :  
MSVOA\_U  
ClientSampled :  
P-1419-W

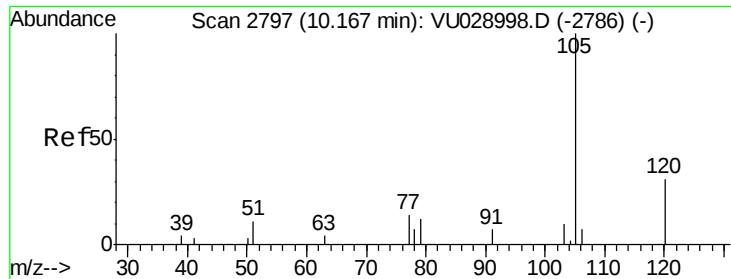
Tot Ion:104 Resp: 4710  
Ion Ratio Lower Upper  
104 100  
78 274.5 38.6 58.0#  
103 270.0 44.5 66.7#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion:152 Resp: 72875  
Ion Ratio Lower Upper  
152 100  
115 59.2 40.1 120.3  
150 156.5 0.0 345.2





#73

Isopropylbenzene

Concen: 6.994 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

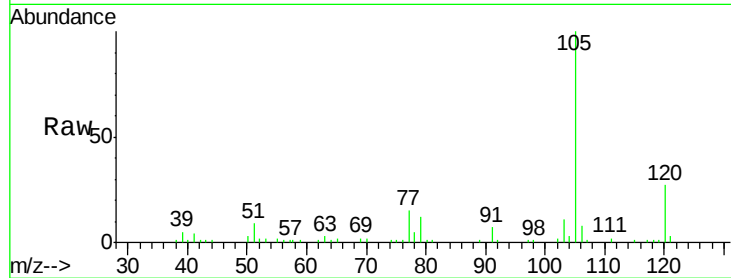
P-1419-W

Tot Ion:105 Resp: 37724

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

10000

5000

0

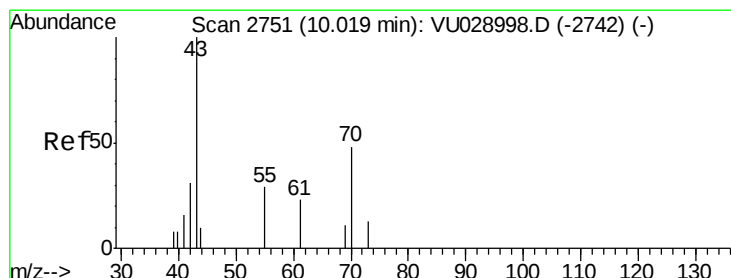
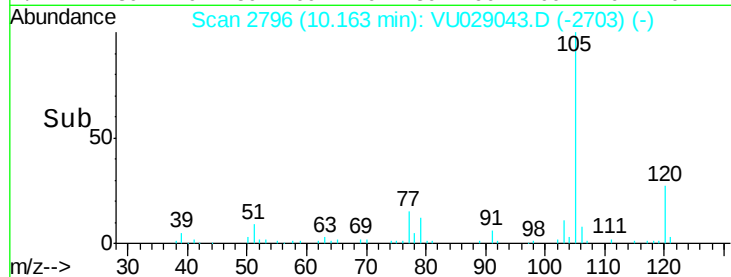
Time-->

10.10

10.15

10.20

10.25



#74

N-ethyl acetate

Concen: 0.714 ug/l

RT: 10.04 min Scan# 2758

Delta R.T. 0.03 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Tgt Ion: 43 Resp: 1659

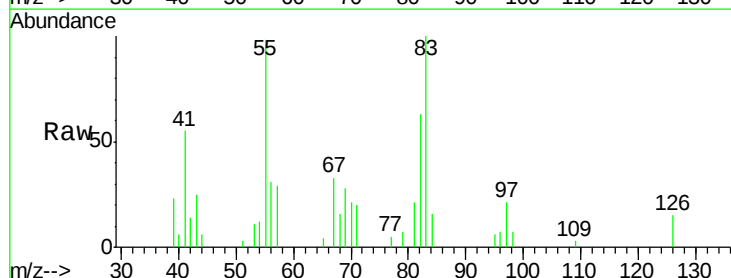
Ion Ratio Lower Upper

43 100

70 69.4 36.3 54.5#

55 507.9 20.5 30.7#

61 0.0 21.8 32.8#



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

5000

4000

3000

2000

1000

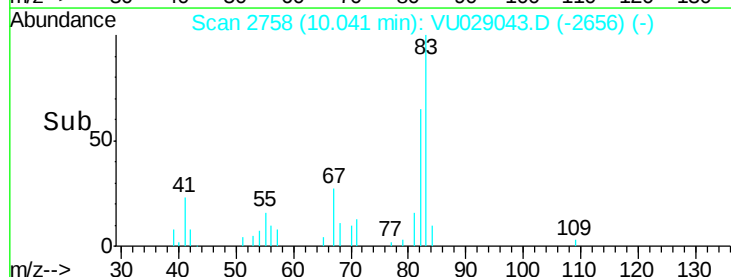
0

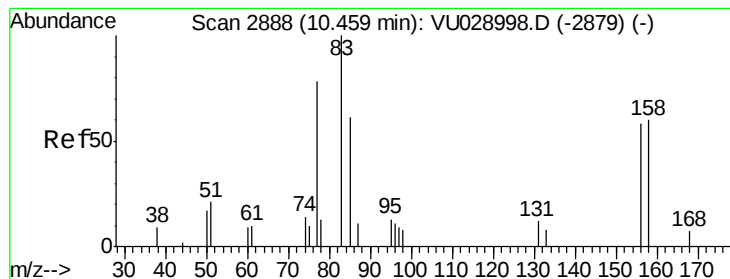
Time-->

9.95

10.00

10.05





#75

1,1,2,2-Tetrachloroethane

Concen: 0.225 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

P-1419-W

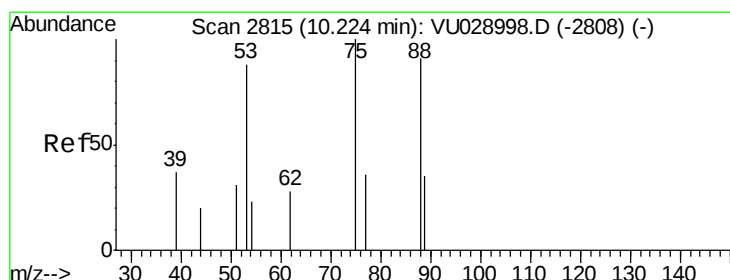
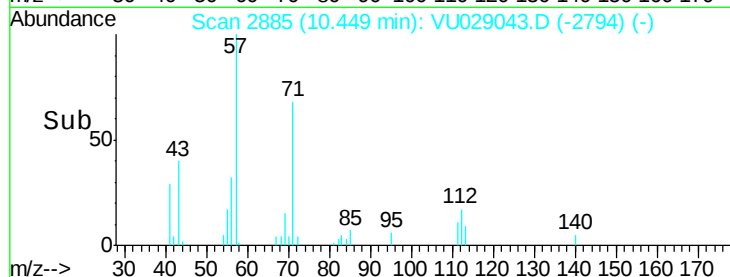
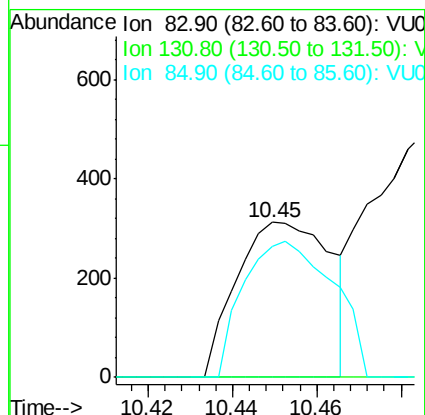
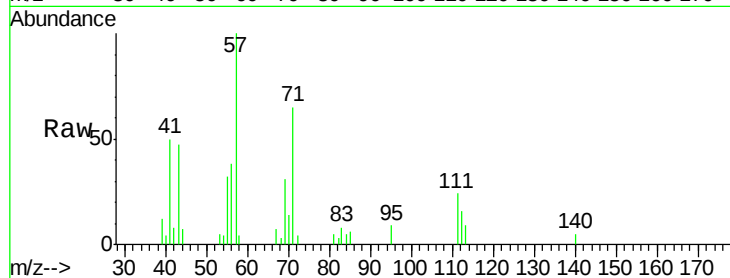
Tot Ion: 83 Resp: 486

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 83.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 1.957 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.19 min

Lab File: VU029043.D

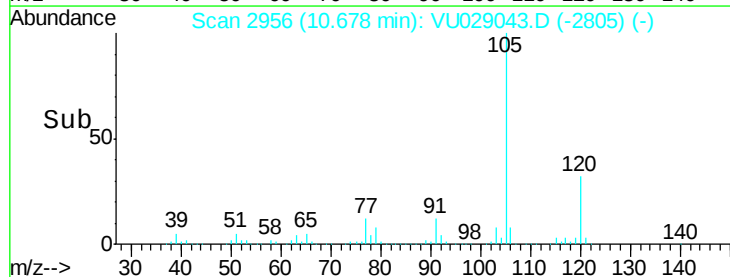
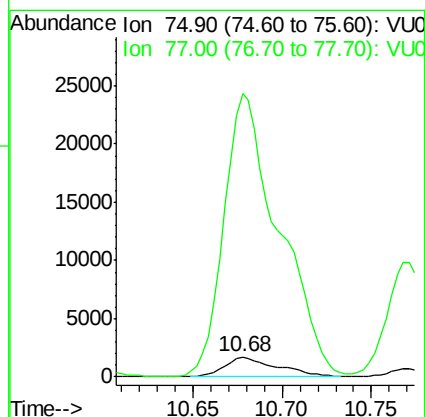
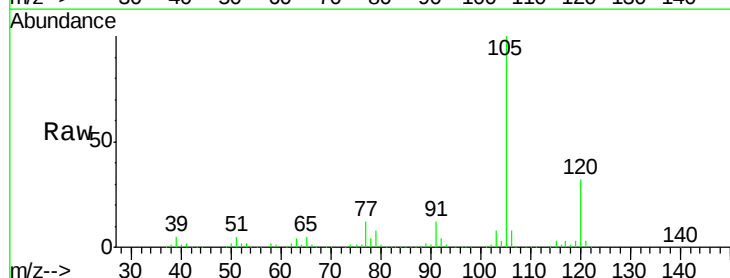
Acq: 04 Jan 2019 21:32

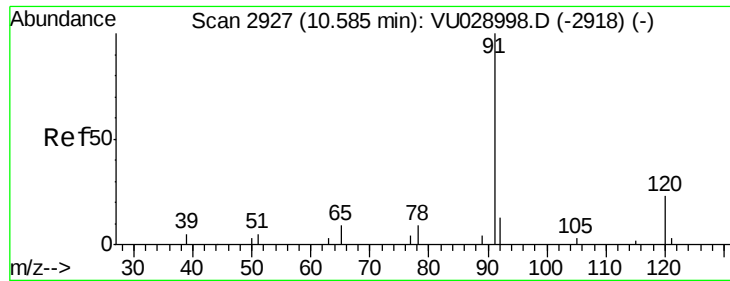
Tgt Ion: 75 Resp: 3495

Ion Ratio Lower Upper

75 100

77 1494.9 20.9 62.8#





#78

n-propylbenzene

Concen: 18.970 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

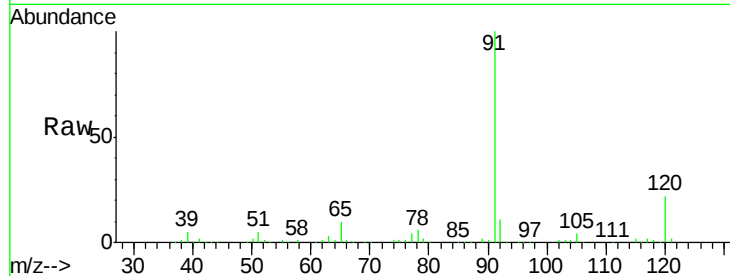
P-1419-W

Tot Ion: 91 Resp: 120590

Ion Ratio Lower Upper

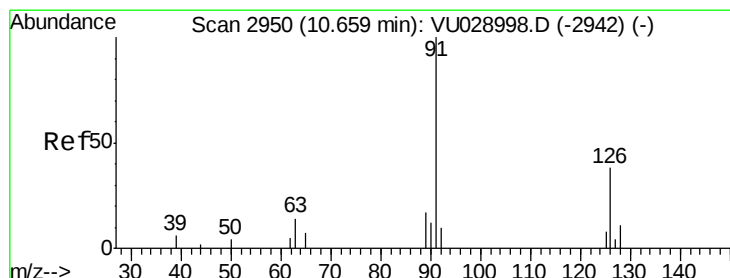
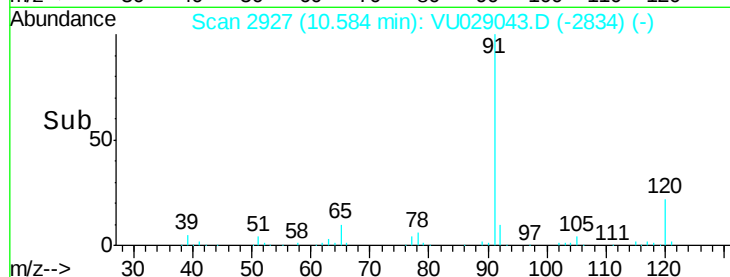
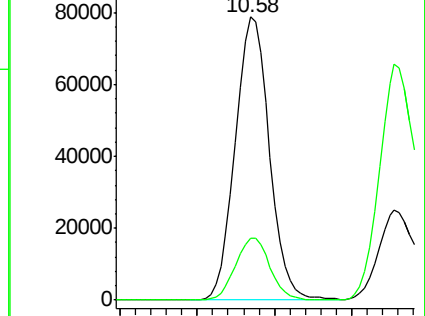
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 13.735 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029043.D

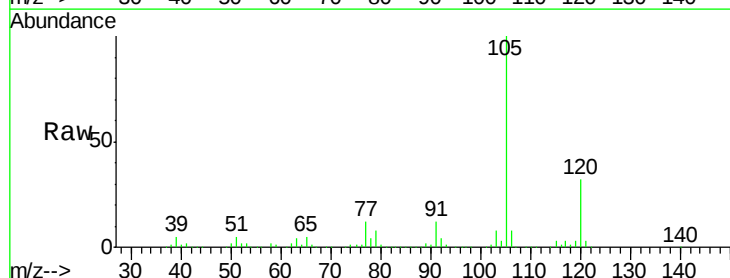
Acq: 04 Jan 2019 21:32

Tgt Ion: 91 Resp: 52962

Ion Ratio Lower Upper

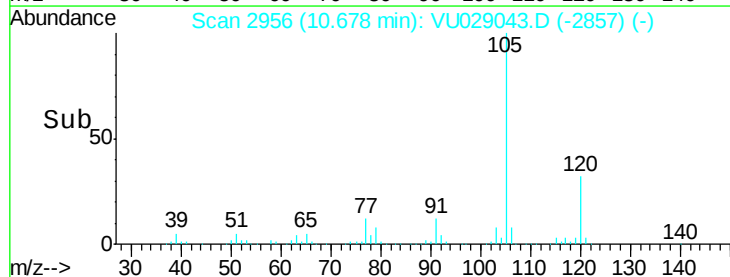
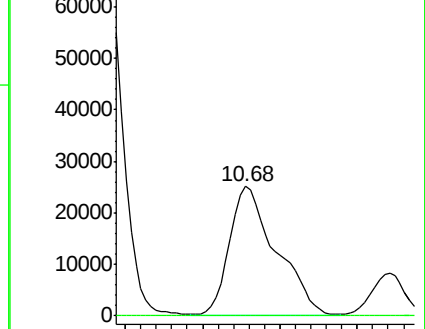
91 100

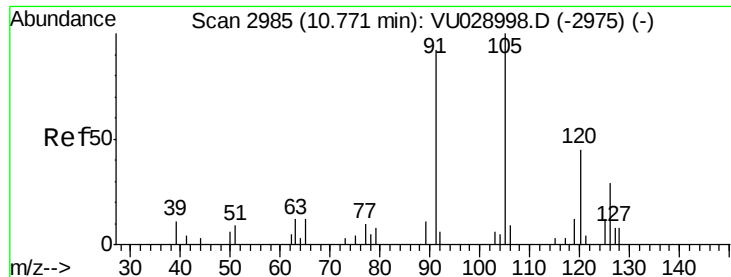
126 0.0 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 25.788 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

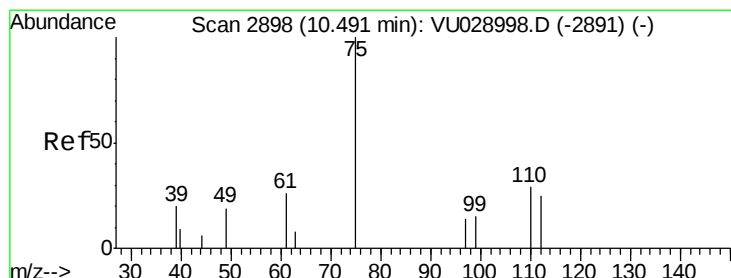
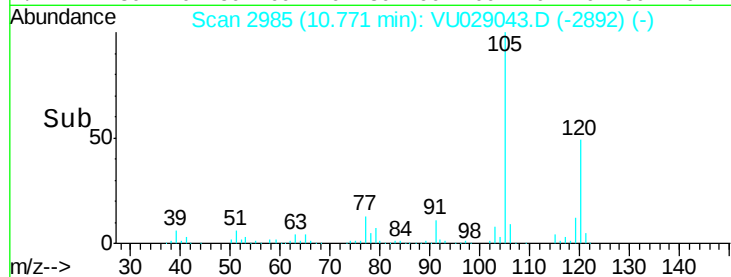
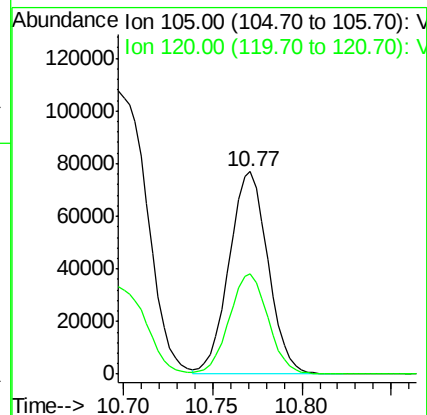
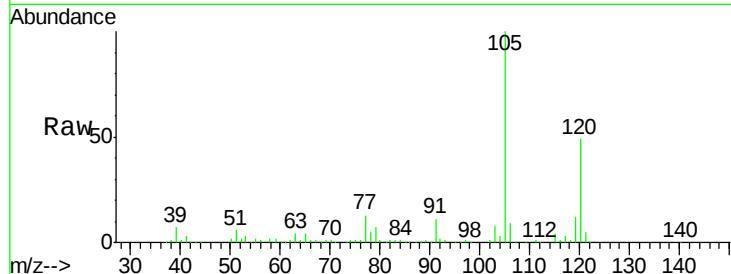
P-1419-W

Tot Ion:105 Resp: 116162

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 5.048 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.17 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

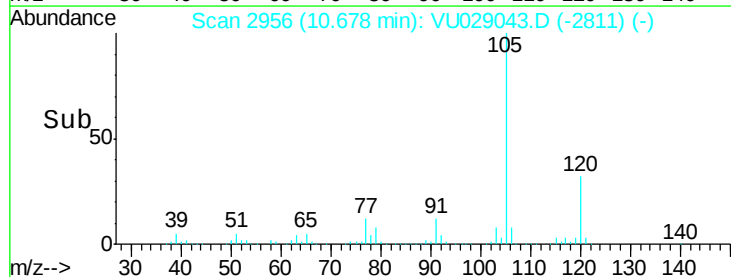
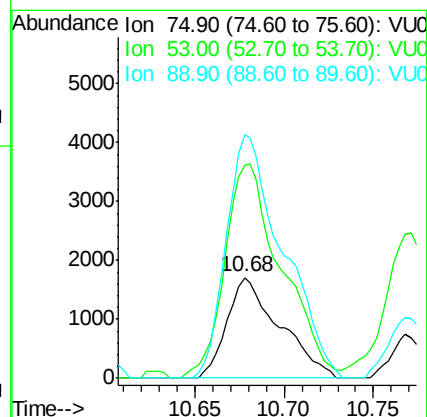
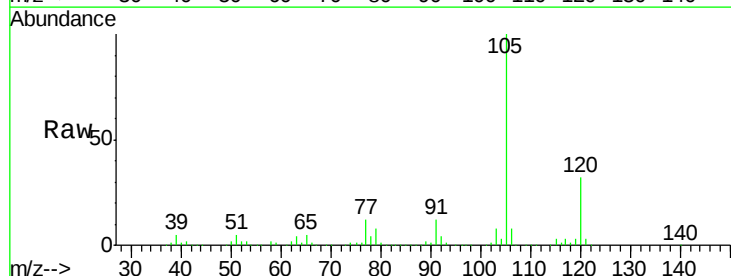
Tgt Ion: 75 Resp: 3495

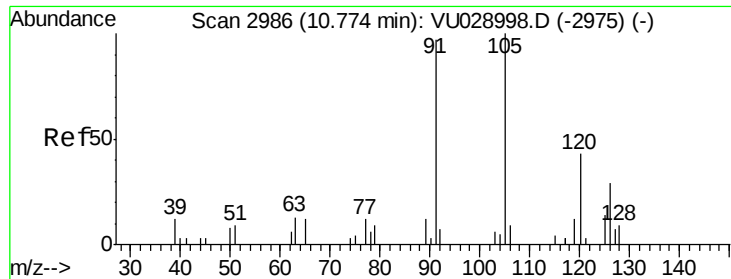
Ion Ratio Lower Upper

75 100

53 230.6 0.0 0.0#

89 260.7 0.0 0.0#

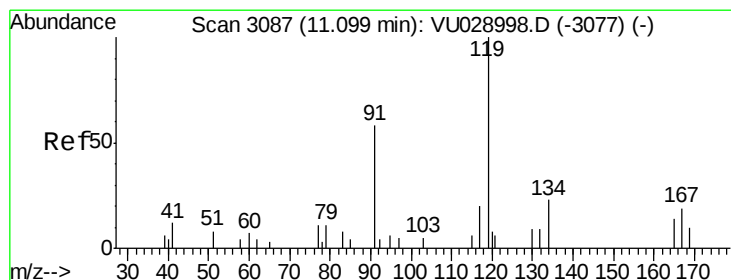
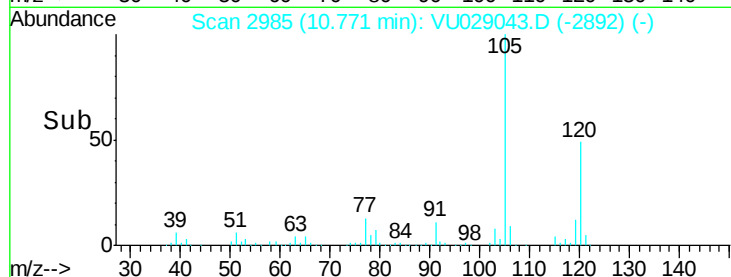
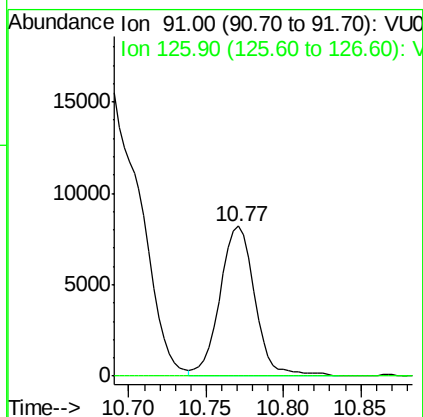
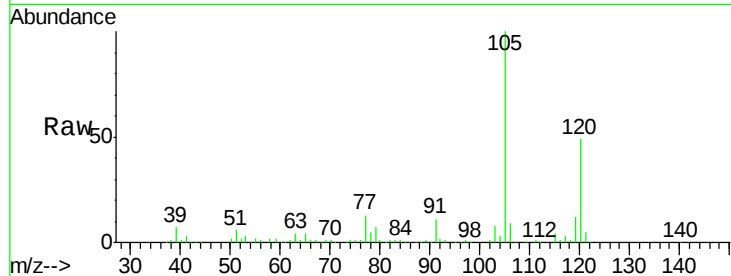




#82  
4-Chlorotoluene  
Concen: 2.913 ug/l  
RT: 10.77 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

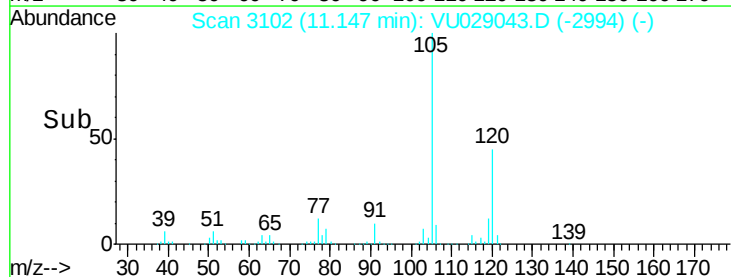
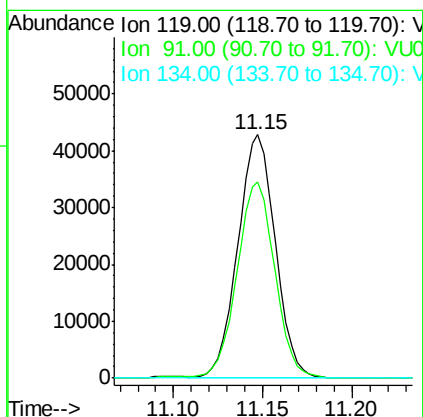
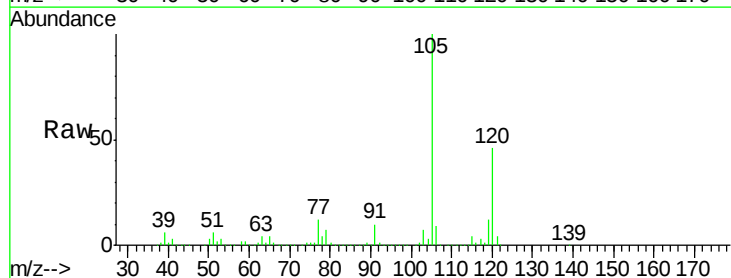
Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

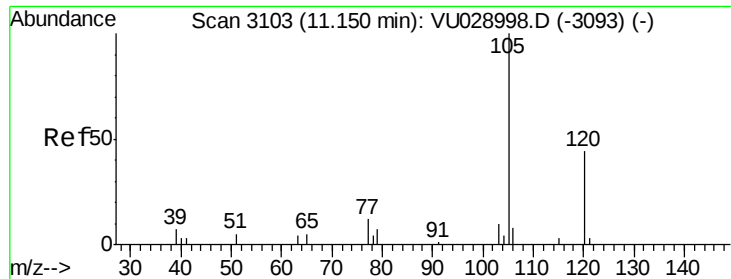
Tot Ion: 91 Resp: 12879  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.5 46.5#



#83  
tert-Butylbenzene  
Concen: 14.085 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. 0.05 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion: 119 Resp: 62531  
Ion Ratio Lower Upper  
119 100  
91 81.3 28.2 84.6  
134 0.0 11.3 33.8#

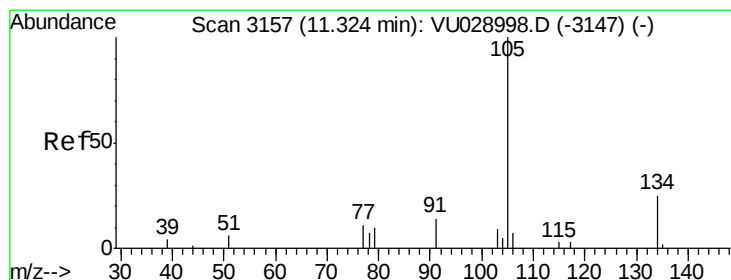
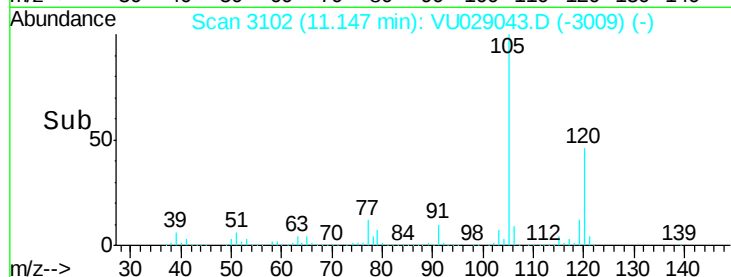
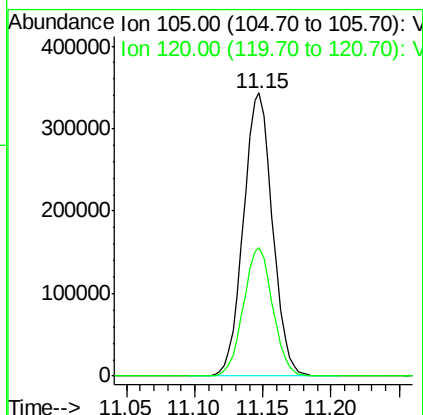
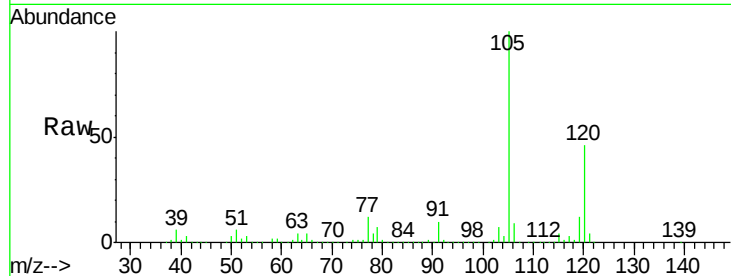




#84  
1,2,4-Trimethylbenzene  
Concen: 112.753 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

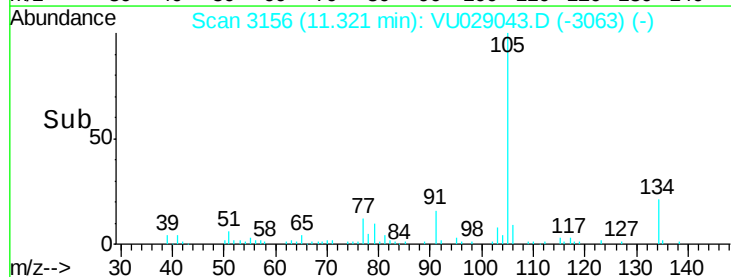
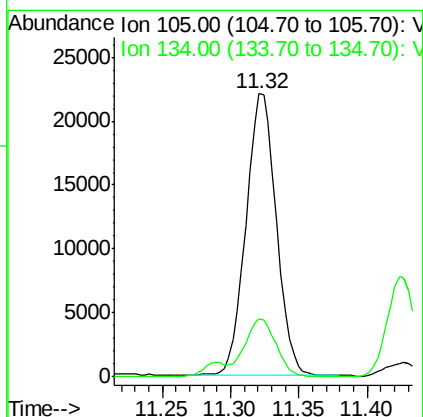
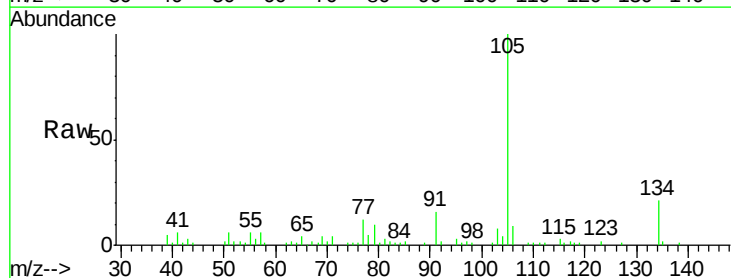
Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

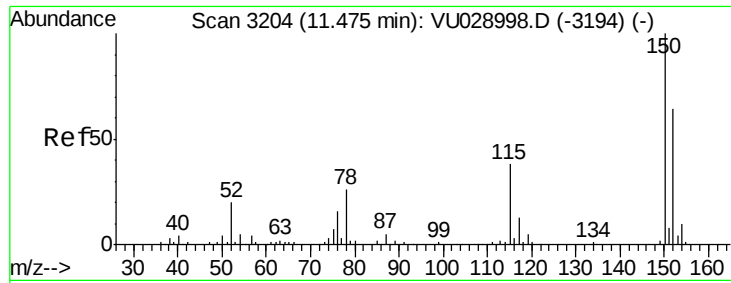
Tot Ion:105 Resp: 507076  
Ion Ratio Lower Upper  
105 100  
120 45.7 23.1 69.3



#85  
sec-Butylbenzene  
Concen: 6.348 ug/l  
RT: 11.32 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion:105 Resp: 34085  
Ion Ratio Lower Upper  
105 100  
134 21.1 9.7 29.1

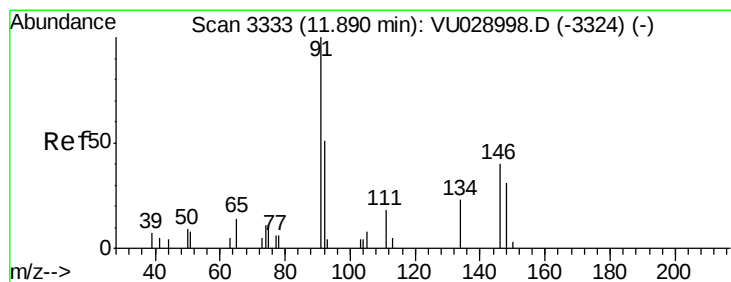
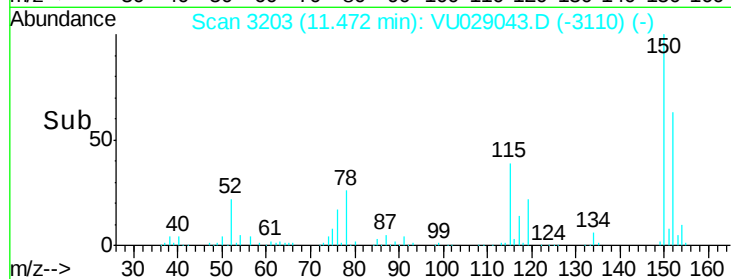
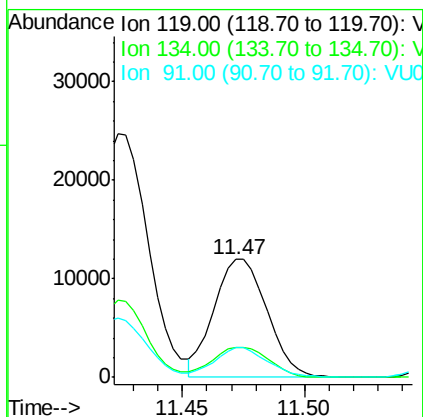
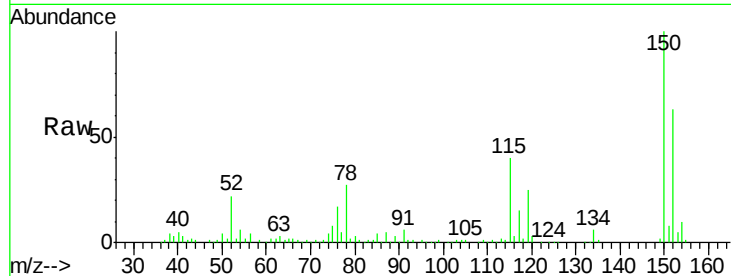




#86  
 p-Isopropyltoluene  
 Concen: 3.970 ug/l  
 RT: 11.47 min Scan# 3203  
 Delta R.T. -0.00 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

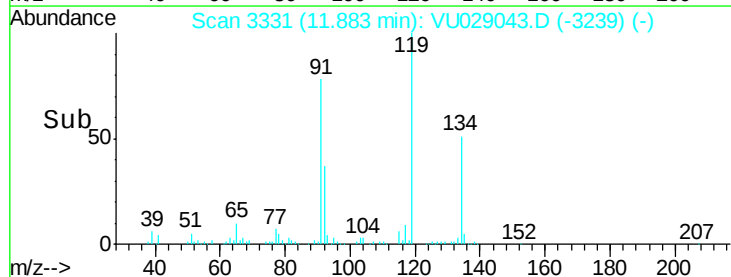
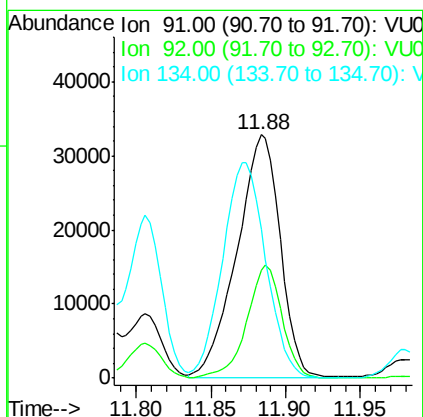
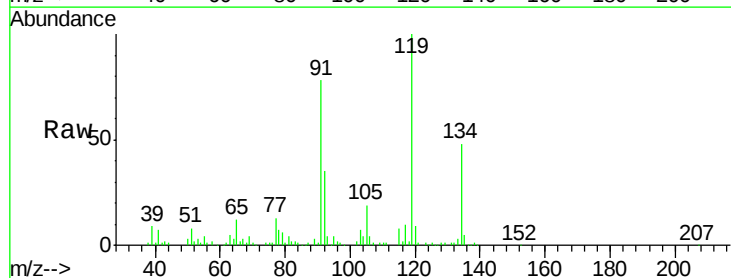
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 P-1419-W

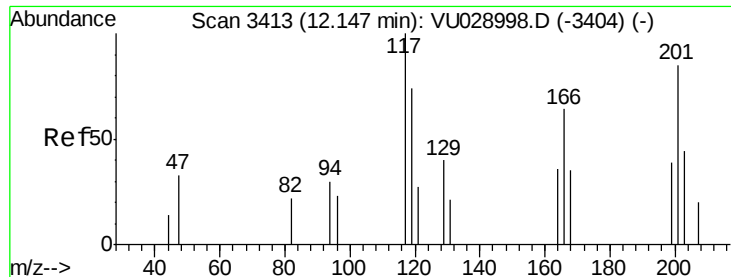
Tot Ion: 119 Resp: 18162  
 Ion Ratio Lower Upper  
 119 100  
 134 27.4 13.5 40.4  
 91 25.4 11.3 33.8



#89  
 n-Butylbenzene  
 Concen: 16.204 ug/l  
 RT: 11.88 min Scan# 3331  
 Delta R.T. -0.00 min  
 Lab File: VU029043.D  
 Acq: 04 Jan 2019 21:32

Tgt Ion: 91 Resp: 66171  
 Ion Ratio Lower Upper  
 91 100  
 92 37.9 26.2 78.5  
 134 88.5 12.6 37.6#





#90

Hexachloroethane

Concen: 11.650 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA\_U

ClientSampleId :

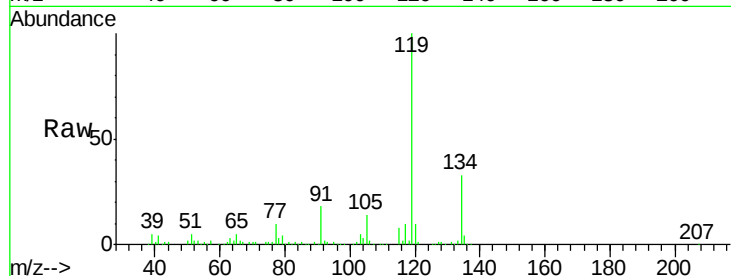
P-1419-W

Tot Ion:117 Resp: 8967

Ion Ratio Lower Upper

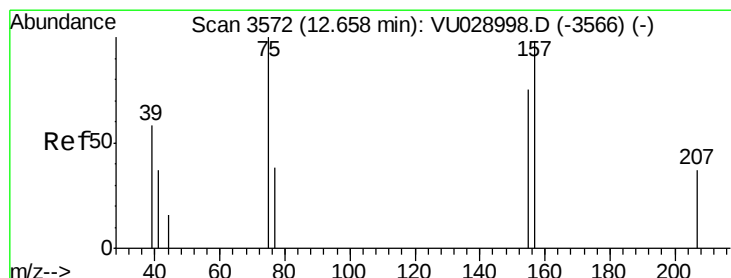
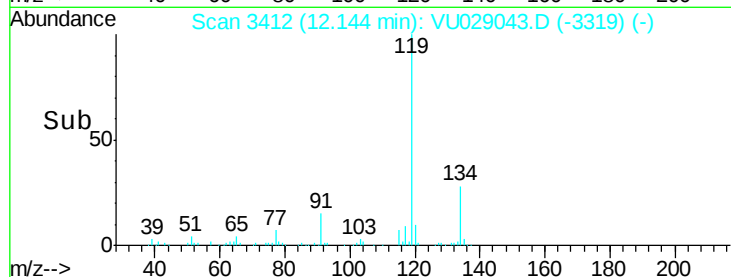
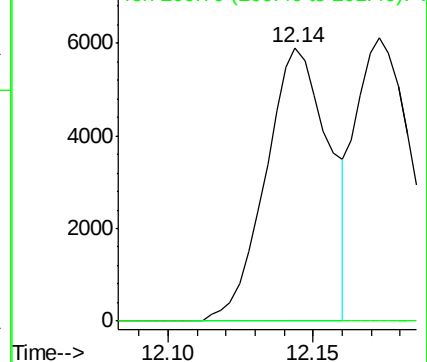
117 100

201 0.0 42.4 127.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.368 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

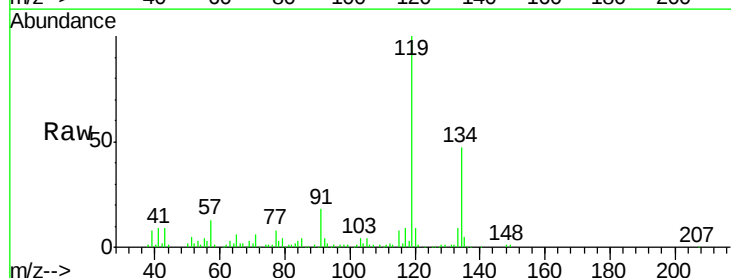
Tgt Ion: 75 Resp: 569

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.8#

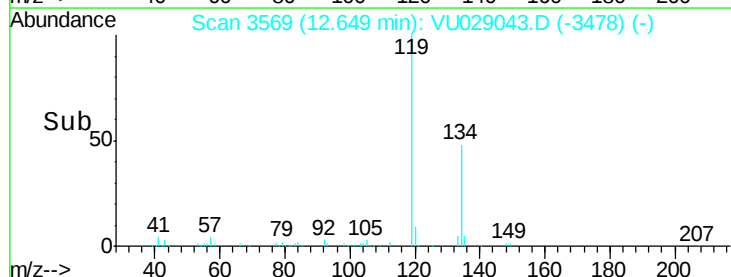
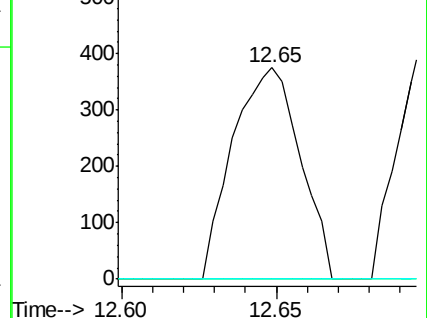
157 0.0 57.4 172.0#

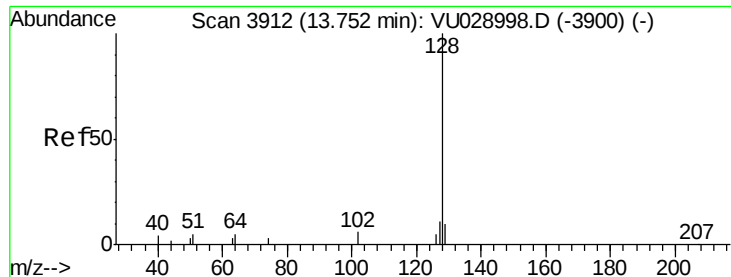


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

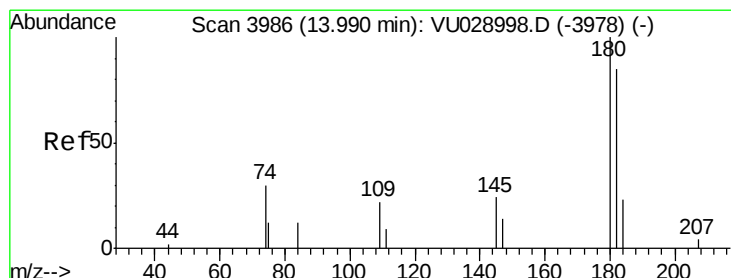
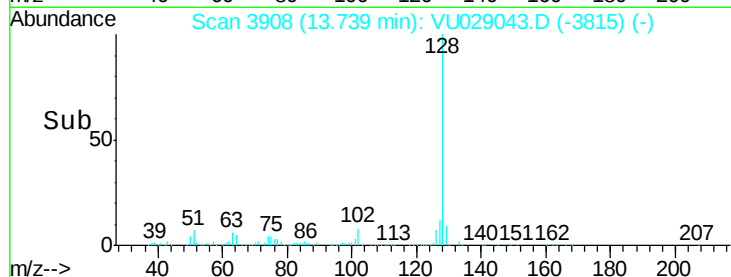
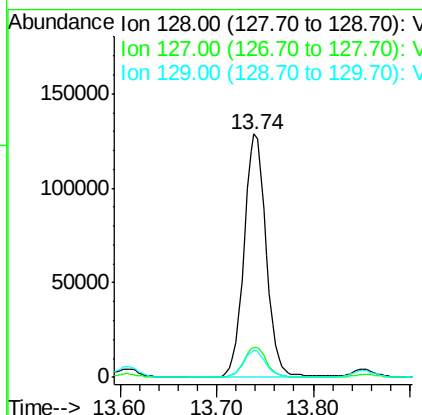
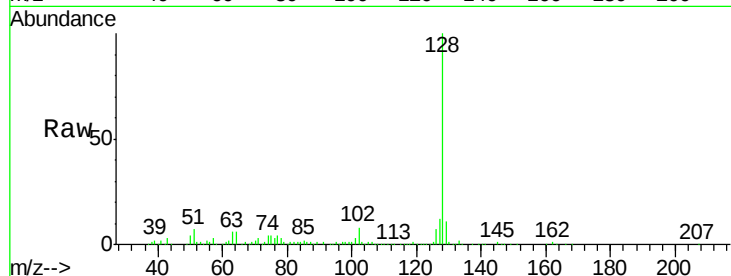




#95  
Naphthalene  
Concen: 36.283 ug/l  
RT: 13.74 min Scan# 3908  
Delta R.T. -0.00 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
P-1419-W

Tot Ion:128 Resp: 204613  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.1 15.1  
129 11.3 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 1.024 ug/l  
RT: 14.01 min Scan# 3993  
Delta R.T. 0.03 min  
Lab File: VU029043.D  
Acq: 04 Jan 2019 21:32

Tgt Ion:180 Resp: 431  
Ion Ratio Lower Upper  
180 100  
182 0.0 48.1 144.3#  
145 1723.7 14.8 44.4#

