

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101018\  
 Data File : VU027541.D  
 Acq On : 09 Oct 2018 23:05  
 Operator : MD/SY  
 Sample : J5165-22  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP1-MW-A

Quant Time: Oct 10 07:55:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 126933   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 210873   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 188276   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 84400    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 100867   | 47.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.18%  |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 71381    | 49.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.78%  |          |
| 50) Toluene-d8              | 7.57  | 98   | 272931   | 50.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.92% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 93537    | 46.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.06%  |          |

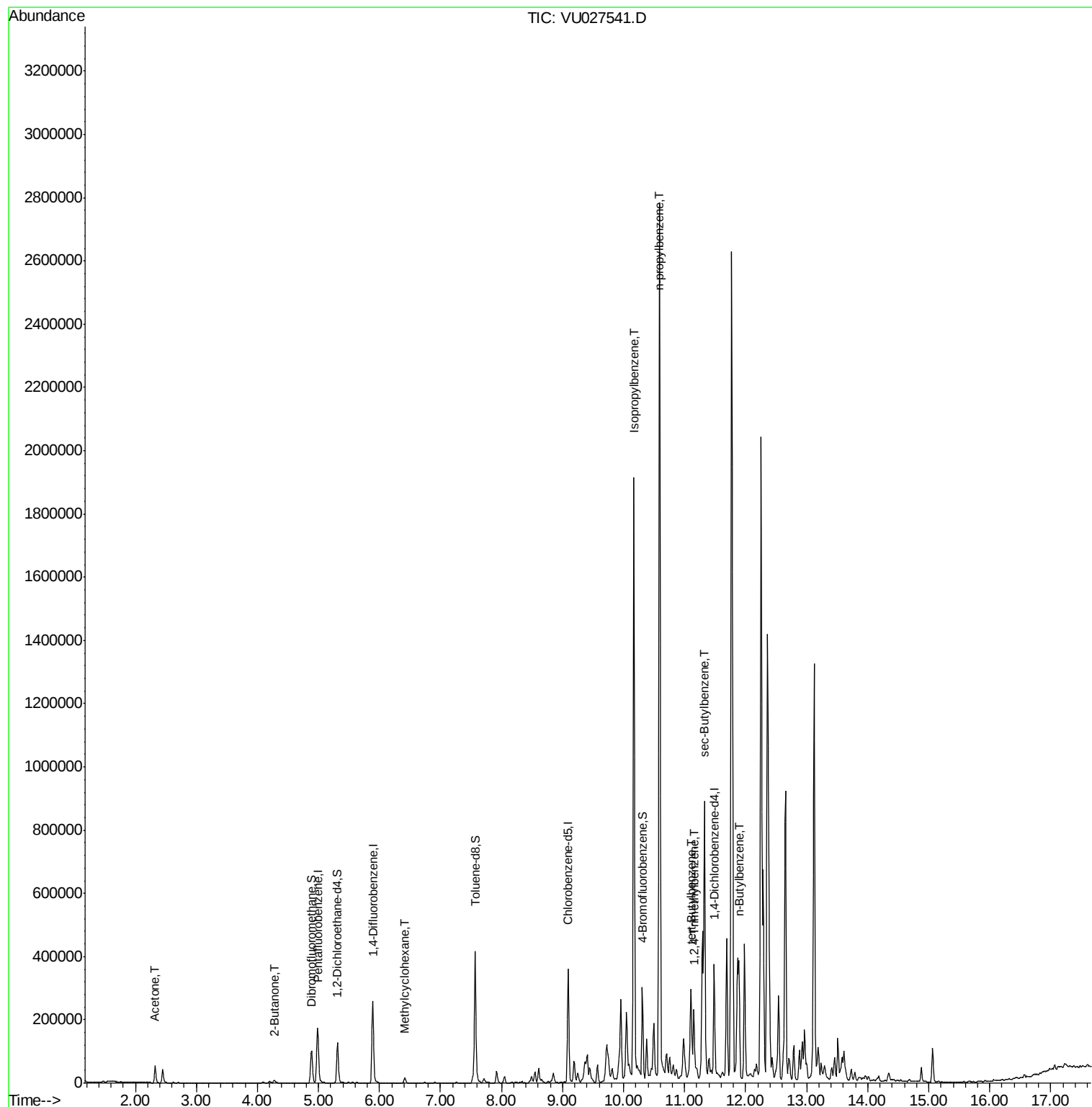
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone                | 2.32  | 43   | 57422    | 45.859  | ug/l  | 100    |
| 25) 2-Butanone             | 4.28  | 43   | 17165    | 10.053  | ug/l  | 99     |
| 39) Methylcyclohexane      | 6.41  | 83   | 6639     | 2.481   | ug/l  | 92     |
| 73) Isopropylbenzene       | 10.17 | 105  | 1191221  | 194.331 | ug/l  | 100    |
| 78) n-propylbenzene        | 10.59 | 91   | 2072052  | 281.307 | ug/l  | 100    |
| 83) tert-Butylbenzene      | 11.10 | 119  | 110720   | 22.949  | ug/l  | 89     |
| 84) 1,2,4-Trimethylbenzene | 11.15 | 105  | 97232    | 19.073  | ug/l  | 100    |
| 85) sec-Butylbenzene       | 11.32 | 105  | 549215   | 90.348  | ug/l  | 98     |
| 89) n-Butylbenzene         | 11.89 | 91   | 210491   | 38.574  | ug/l  | 93     |

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

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Sample : J5165-22  
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Quant Time: Oct 10 07:55:38 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

Instrument :

MSVOA\_U

ClientSampleId :

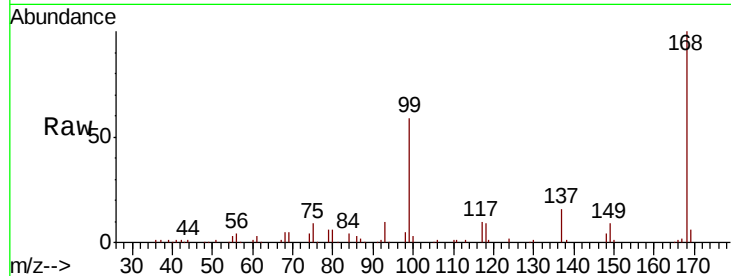
EP1-MW-A

Tot Ion:168 Resp: 126933

Ion Ratio Lower Upper

168 100

99 59.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

50000

40000

30000

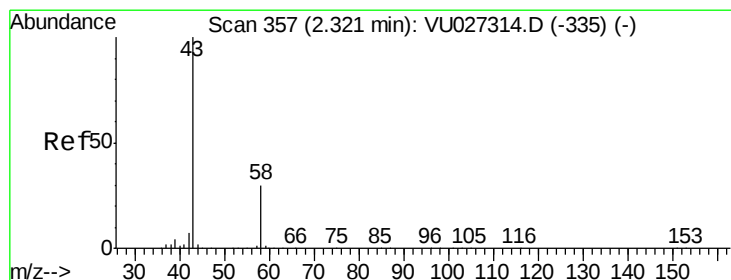
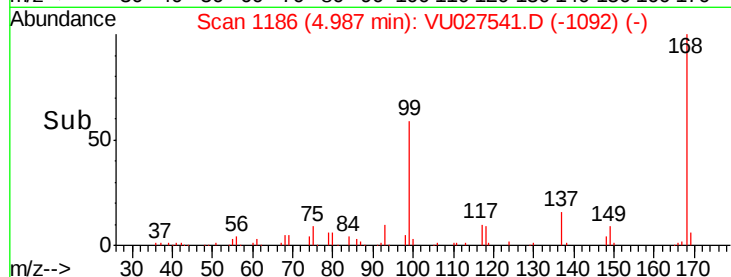
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 45.859 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027541.D

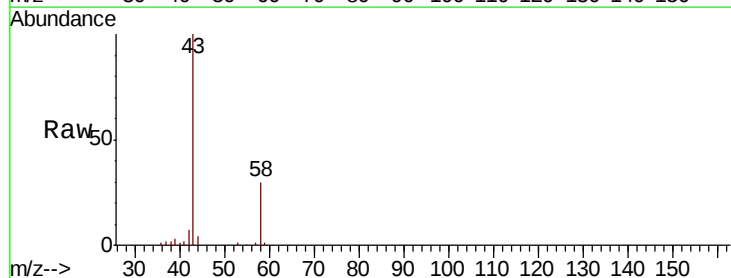
Acq: 09 Oct 2018 23:05

Tgt Ion: 43 Resp: 57422

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)

2.32

40000

30000

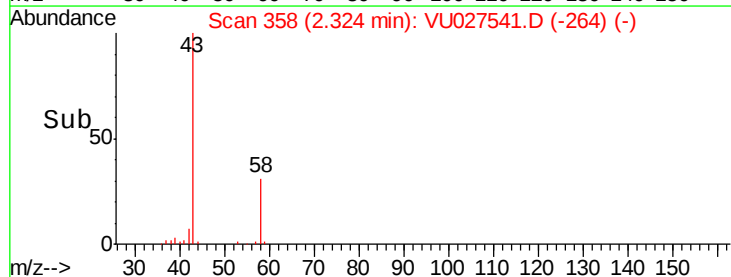
20000

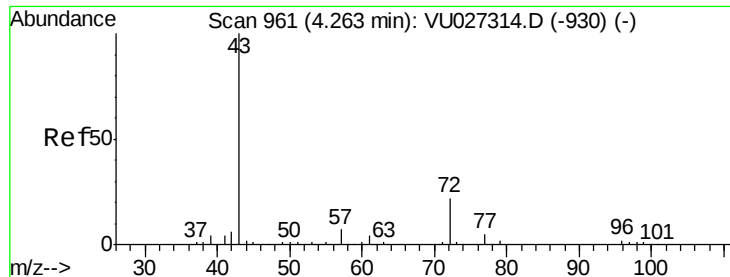
10000

0

2.25 2.30 2.35 2.40

Time-->





#25

2-Butanone

Concen: 10.053 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

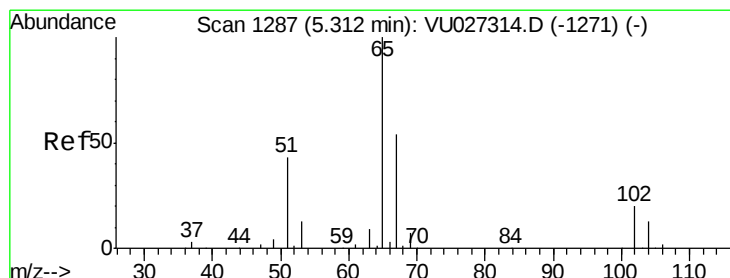
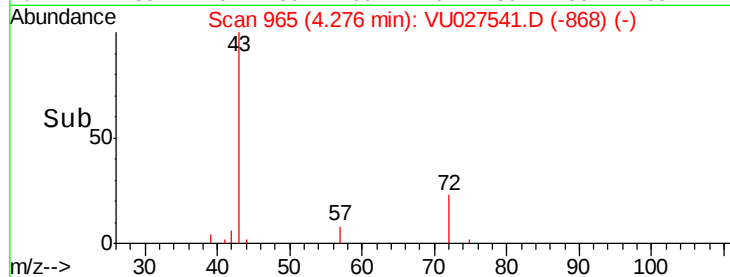
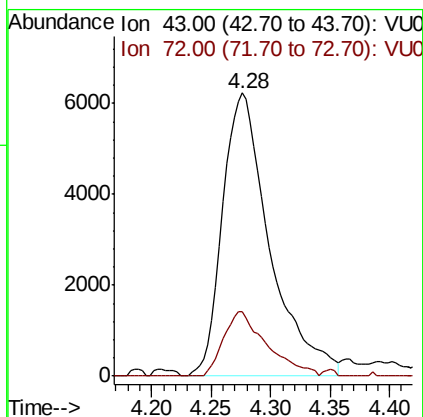
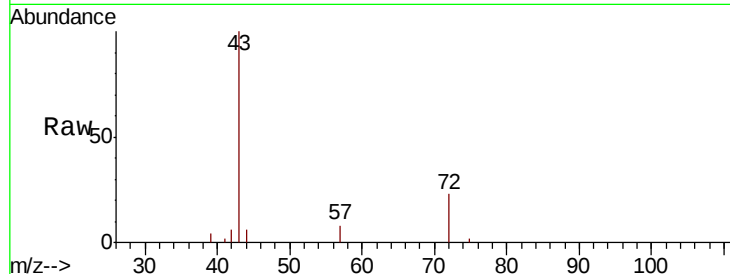
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP1-MW-A

Tot Ion: 43 Resp: 17165

Ion Ratio Lower Upper

43 100

72 22.9 17.8 26.6



#33

1,2-Dichloroethane-d4

Concen: 47.589 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027541.D

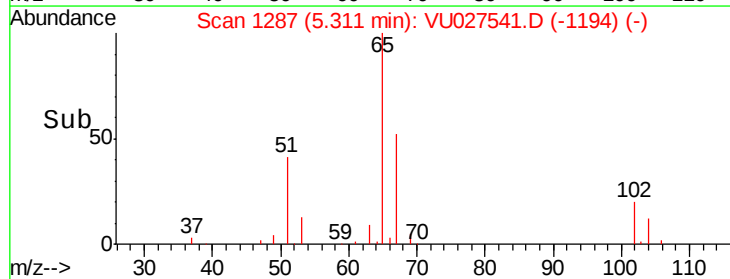
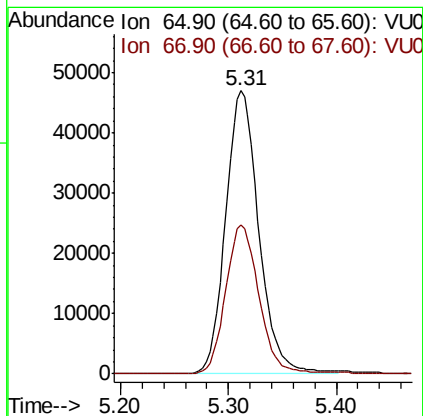
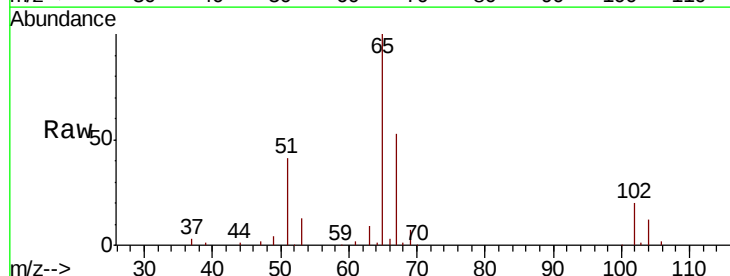
Acq: 09 Oct 2018 23:05

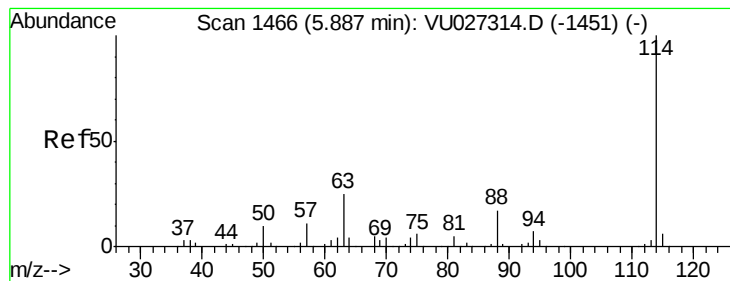
Tgt Ion: 65 Resp: 100867

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

Instrument :

MSVOA\_U

ClientSampleId :

EP1-MW-A

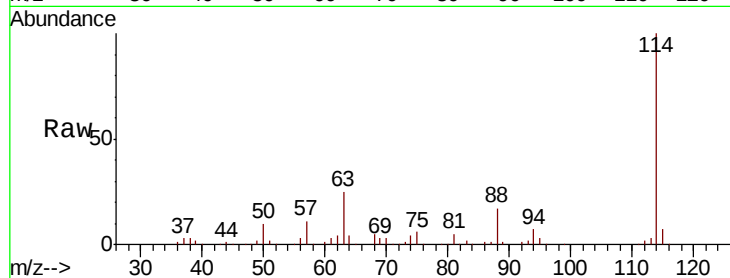
Tot Ion:114 Resp: 210873

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.2

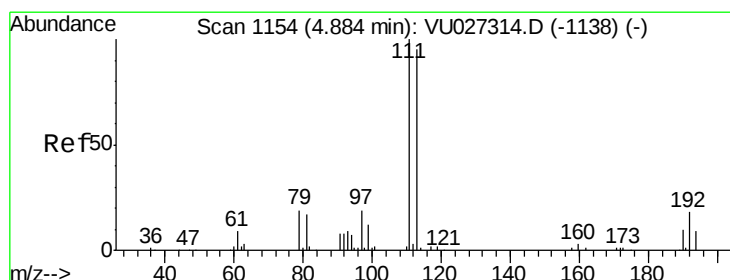
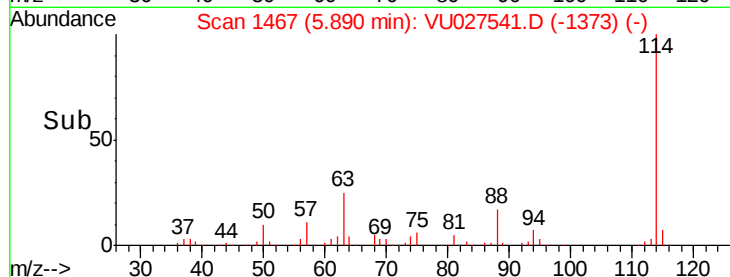
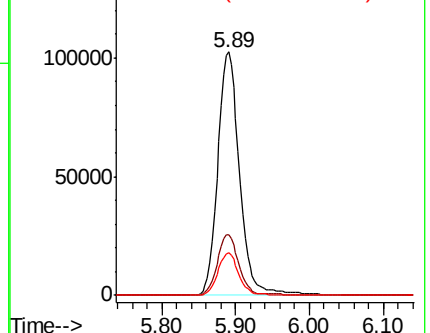
88 17.3 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.393 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

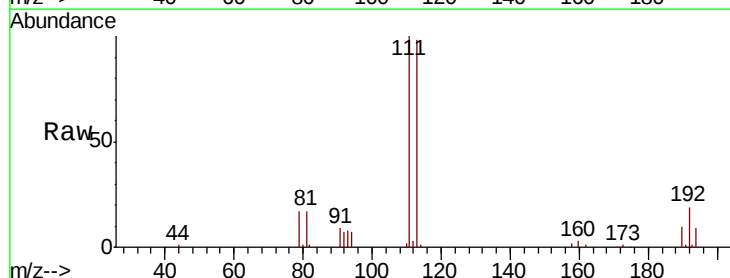
Tgt Ion:113 Resp: 71381

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

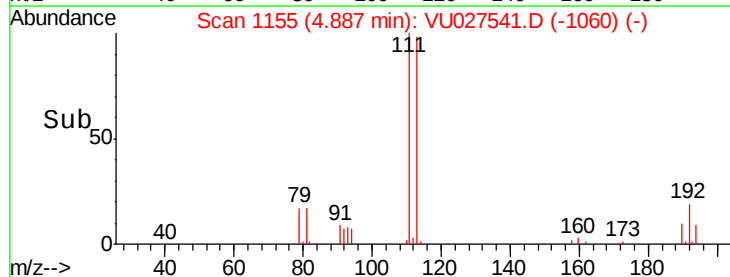
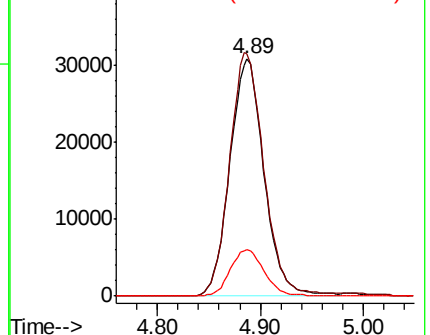
192 19.2 15.4 23.0

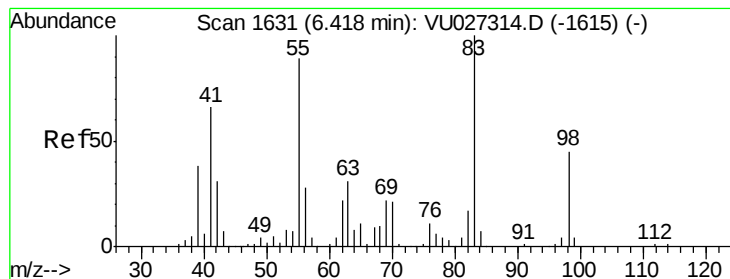


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylcyclohexane

Concen: 2.481 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

Instrument :

MSVOA\_U

ClientSampleId :

EP1-MW-A

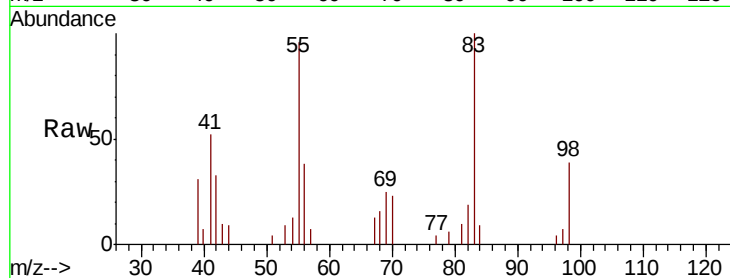
Tot Ion: 83 Resp: 6639

Ion Ratio Lower Upper

83 100

55 96.4 71.1 106.7

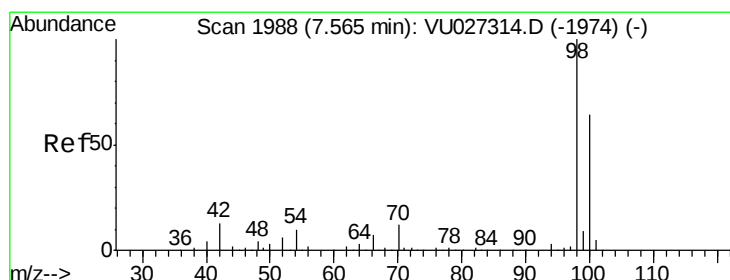
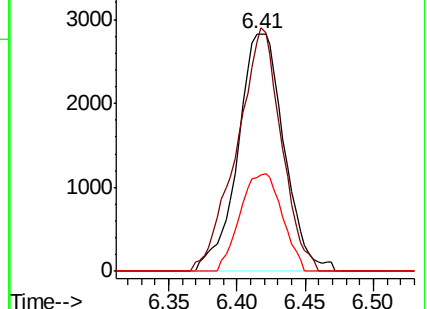
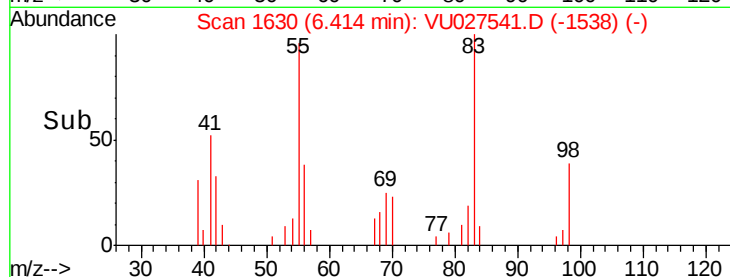
98 39.5 36.3 54.5



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



#50

Toluene-d8

Concen: 50.460 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027541.D

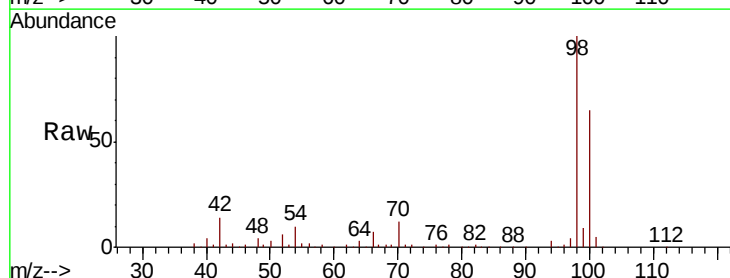
Acq: 09 Oct 2018 23:05

Tgt Ion: 98 Resp: 272931

Ion Ratio Lower Upper

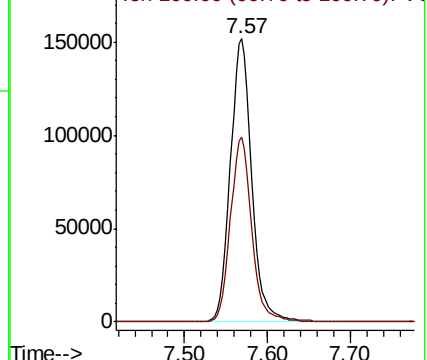
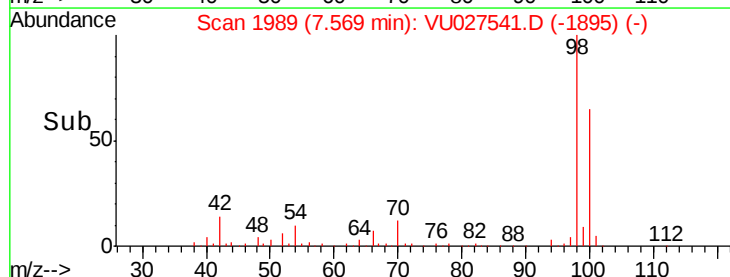
98 100

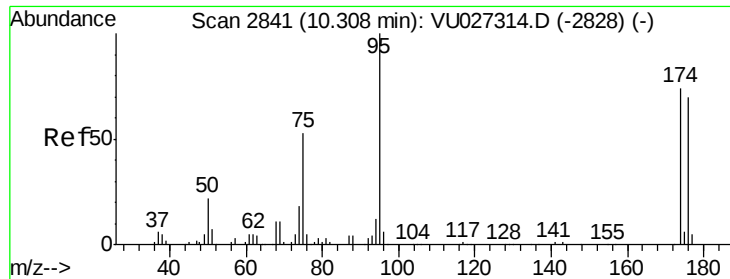
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

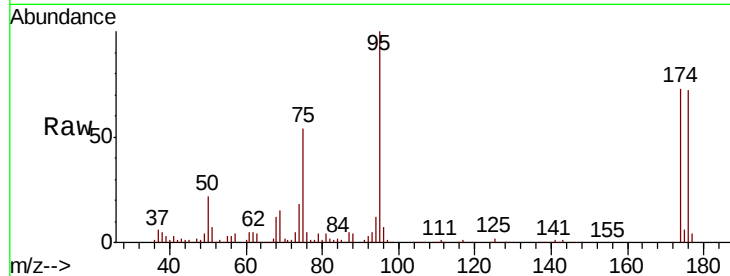




#62  
 4-Bromofluorobenzene  
 Concen: 46.533 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027541.D  
 Acq: 09 Oct 2018 23:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP1-MW-A

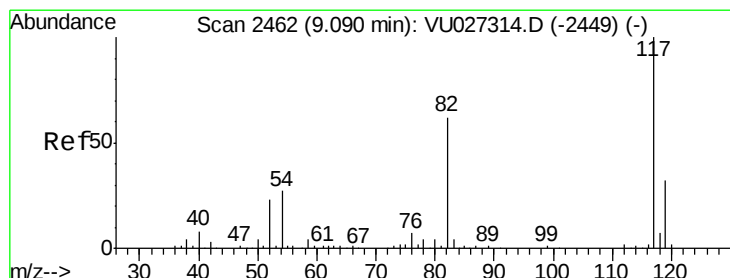
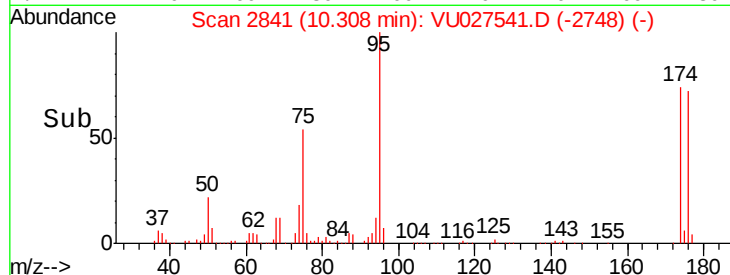
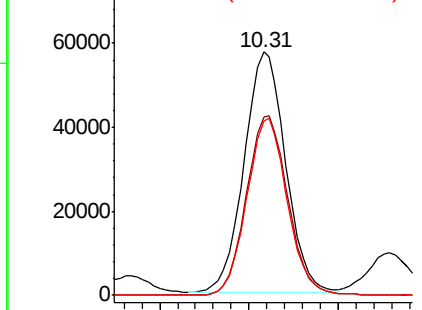
| Tot Ion   | 95   | Resp | 93537 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| Lower     |      |      |       |
| Upper     |      |      |       |
| 174       | 74.4 | 0.0  | 147.8 |
| 176       | 71.7 | 0.0  | 140.8 |



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

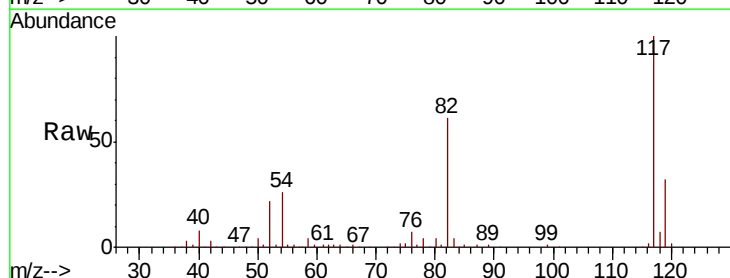
Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: VU027541.D  
 Acq: 09 Oct 2018 23:05

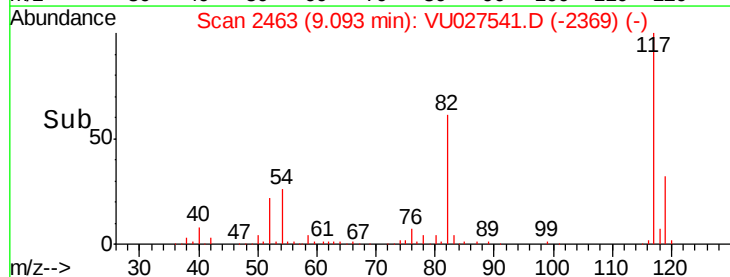
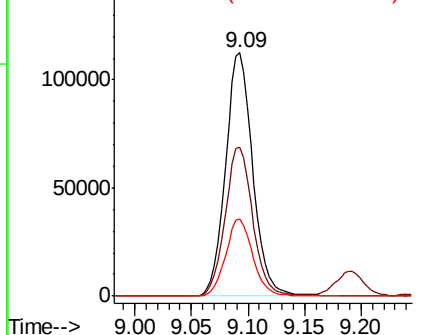
| Tgt Ion                                    | 117  | Resp | 188276 |
|--------------------------------------------|------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |        |
| Lower                                      |      |      |        |
| Upper                                      |      |      |        |
| 82                                         | 61.2 | 49.2 | 73.8   |
| 119                                        | 31.6 | 25.7 | 38.5   |

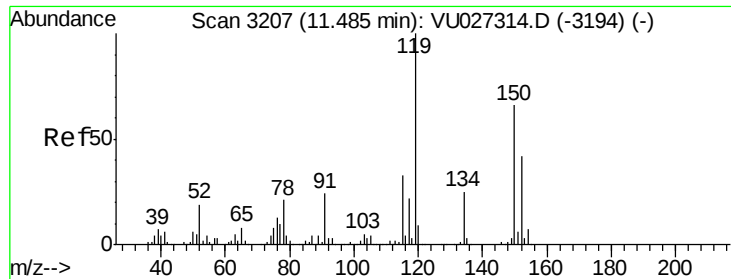


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

Instrument :

MSVOA\_U

ClientSampled :

EP1-MW-A

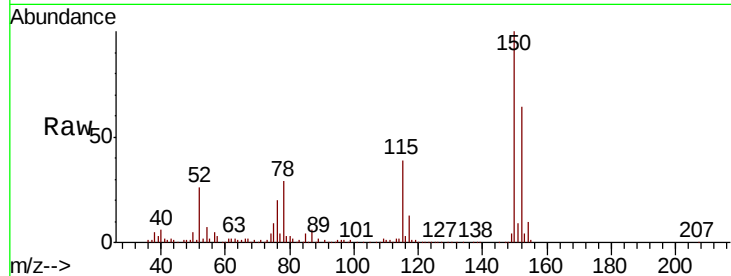
Tot Ion:152 Resp: 84400

Ion Ratio Lower Upper

152 100

115 63.3 43.4 130.2

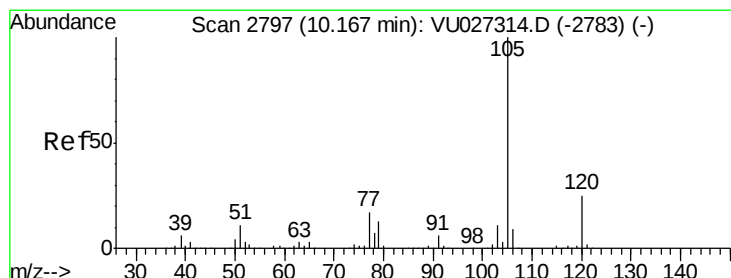
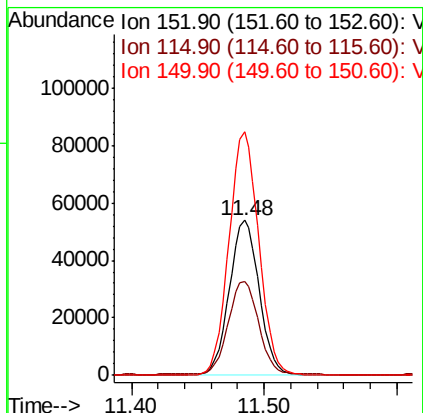
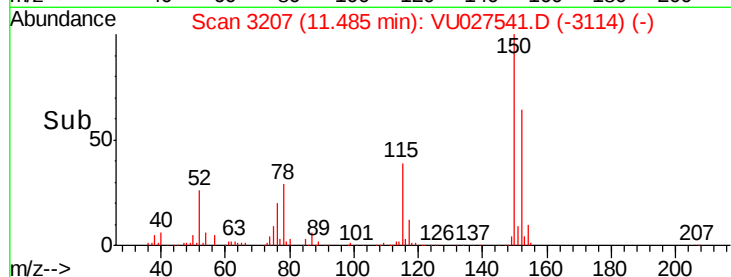
150 156.7 0.0 349.2



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: 194.331 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027541.D

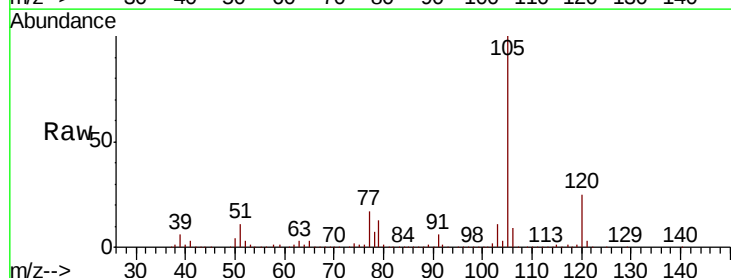
Acq: 09 Oct 2018 23:05

Tgt Ion:105 Resp: 1191221

Ion Ratio Lower Upper

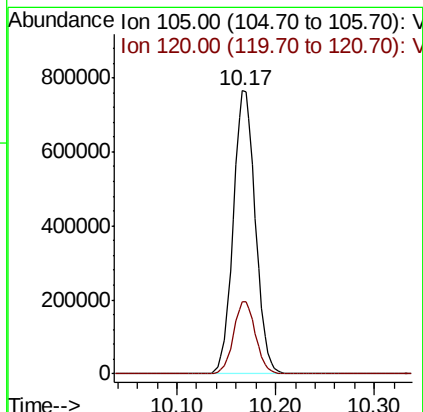
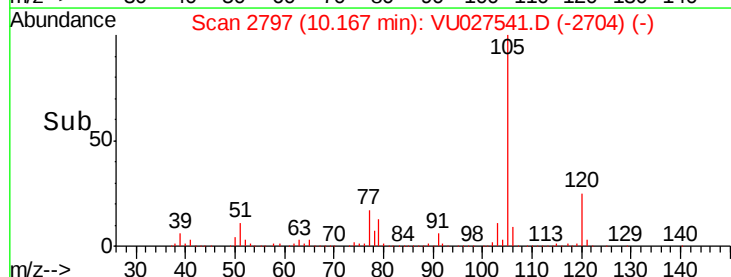
105 100

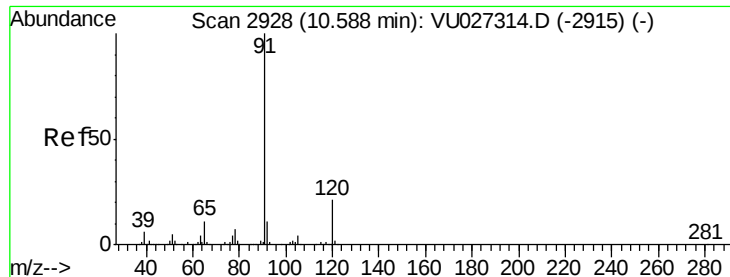
120 25.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

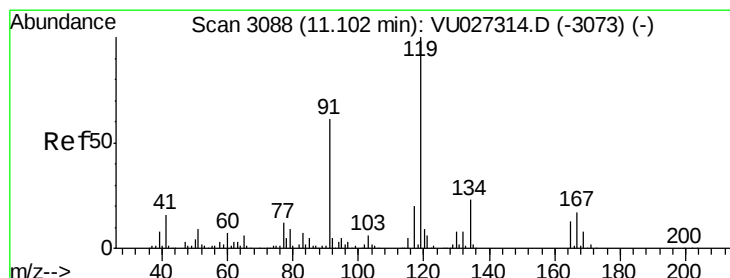
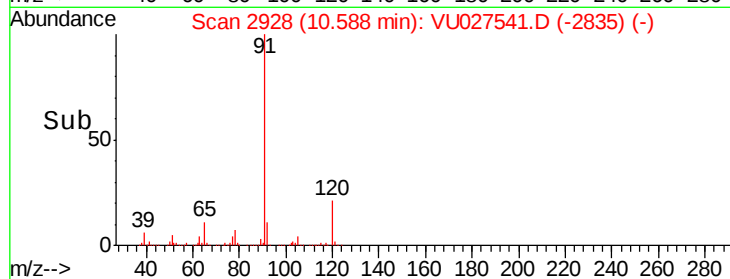
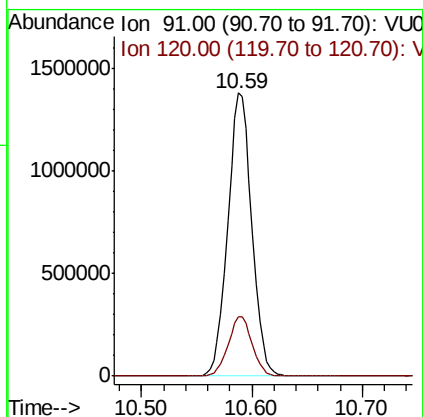
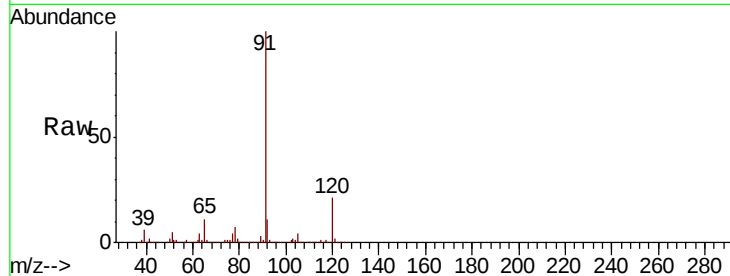




#78  
n-propylbenzene  
Concen: 281.307 ug/l  
RT: 10.59 min Scan# 2928  
Delta R.T. -0.00 min  
Lab File: VU027541.D  
Acq: 09 Oct 2018 23:05

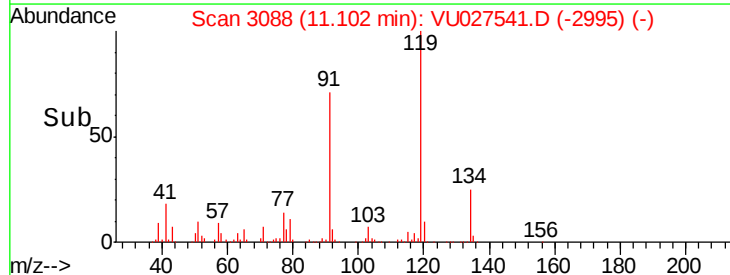
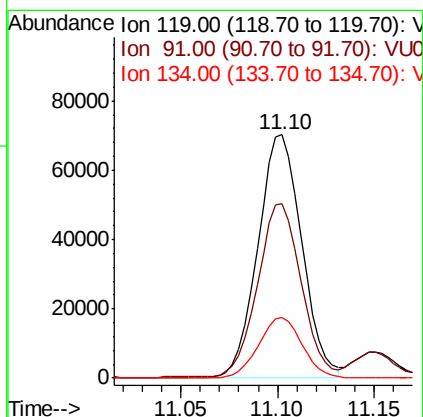
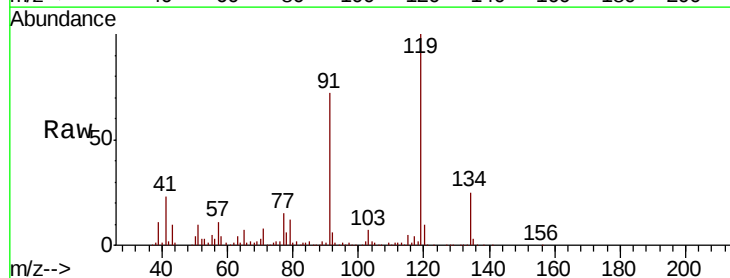
Instrument :  
MSVOA\_U  
ClientSampleId :  
EP1-MW-A

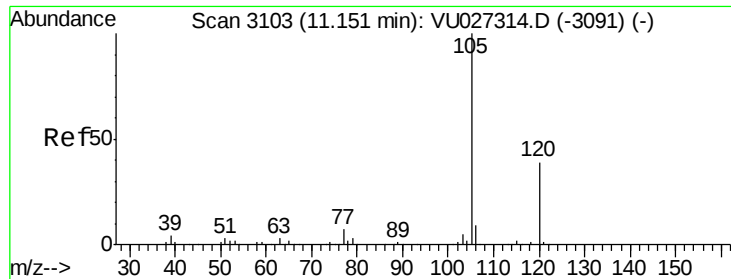
Tot Ion: 91 Resp: 2072052  
Ion Ratio Lower Upper  
91 100  
120 21.1 10.6 31.8



#83  
tert-Butylbenzene  
Concen: 22.949 ug/l  
RT: 11.10 min Scan# 3088  
Delta R.T. -0.00 min  
Lab File: VU027541.D  
Acq: 09 Oct 2018 23:05

Tgt Ion: 119 Resp: 110720  
Ion Ratio Lower Upper  
119 100  
91 71.1 30.3 91.0  
134 24.6 11.5 34.4

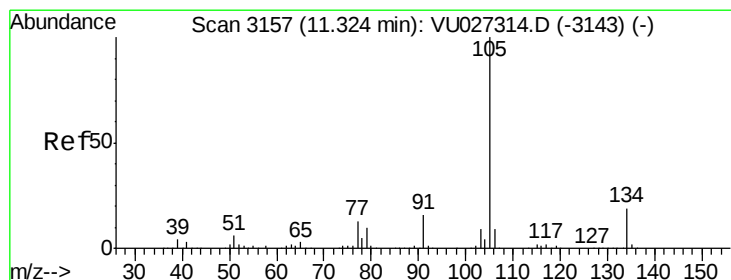
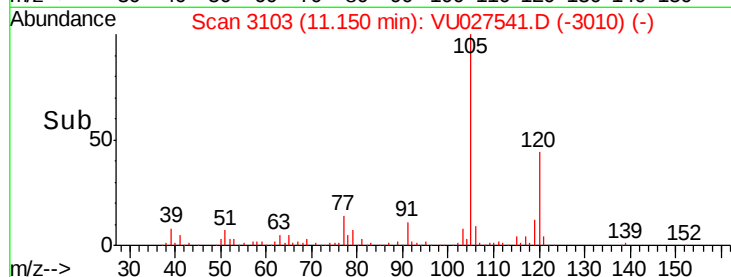
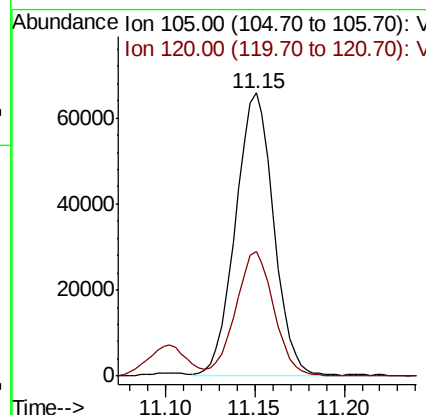
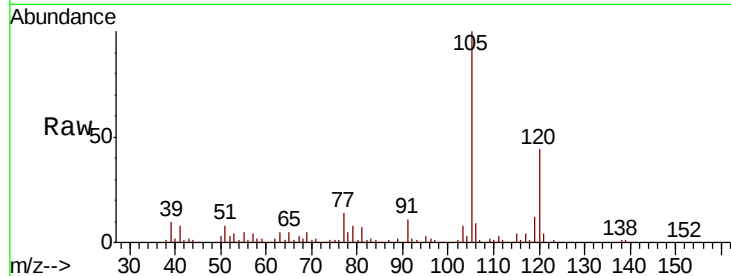




#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.073 ug/l  
 RT: 11.15 min Scan# 3103  
 Delta R.T. -0.00 min  
 Lab File: VU027541.D  
 Acq: 09 Oct 2018 23:05

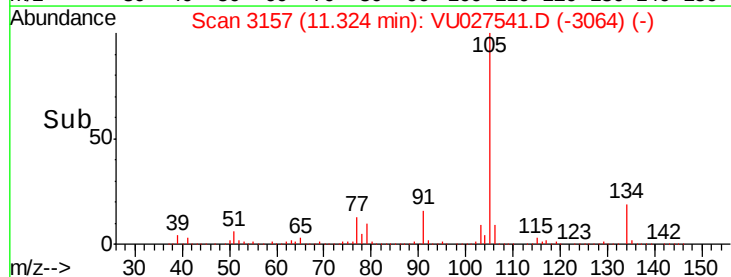
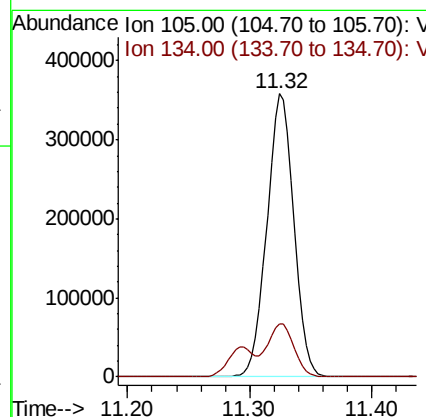
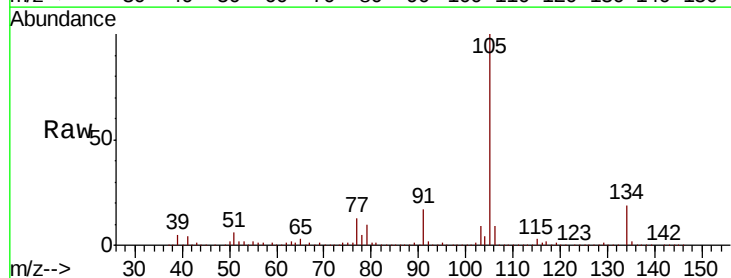
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EP1-MW-A

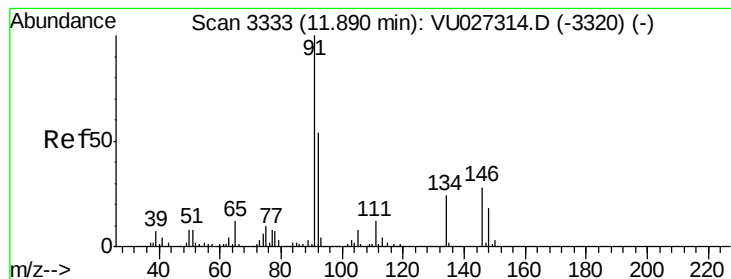
Tot Ion:105 Resp: 97232  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 22.1 66.5



#85  
 sec-Butylbenzene  
 Concen: 90.348 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. -0.00 min  
 Lab File: VU027541.D  
 Acq: 09 Oct 2018 23:05

Tgt Ion:105 Resp: 549215  
 Ion Ratio Lower Upper  
 105 100  
 134 18.1 9.6 28.6





#89

n-Butylbenzene

Concen: 38.574 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027541.D

Acq: 09 Oct 2018 23:05

Instrument :

MSVOA\_U

ClientSampleId :

EP1-MW-A

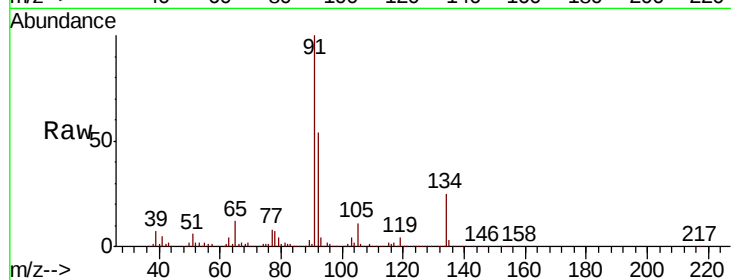
Tot Ion: 91 Resp: 210491

Ion Ratio Lower Upper

91 100

92 47.3 27.0 81.0

134 22.1 11.7 35.1



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

