

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034329.D
 Acq On : 06 Sep 2019 14:38
 Operator : JC/SP
 Sample : K4689-02 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2A

Quant Time: Sep 06 17:01:41 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	309986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	464244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	456175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	238993	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.86	113	208349	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	7.55	98	809188	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	10.29	95	302451	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

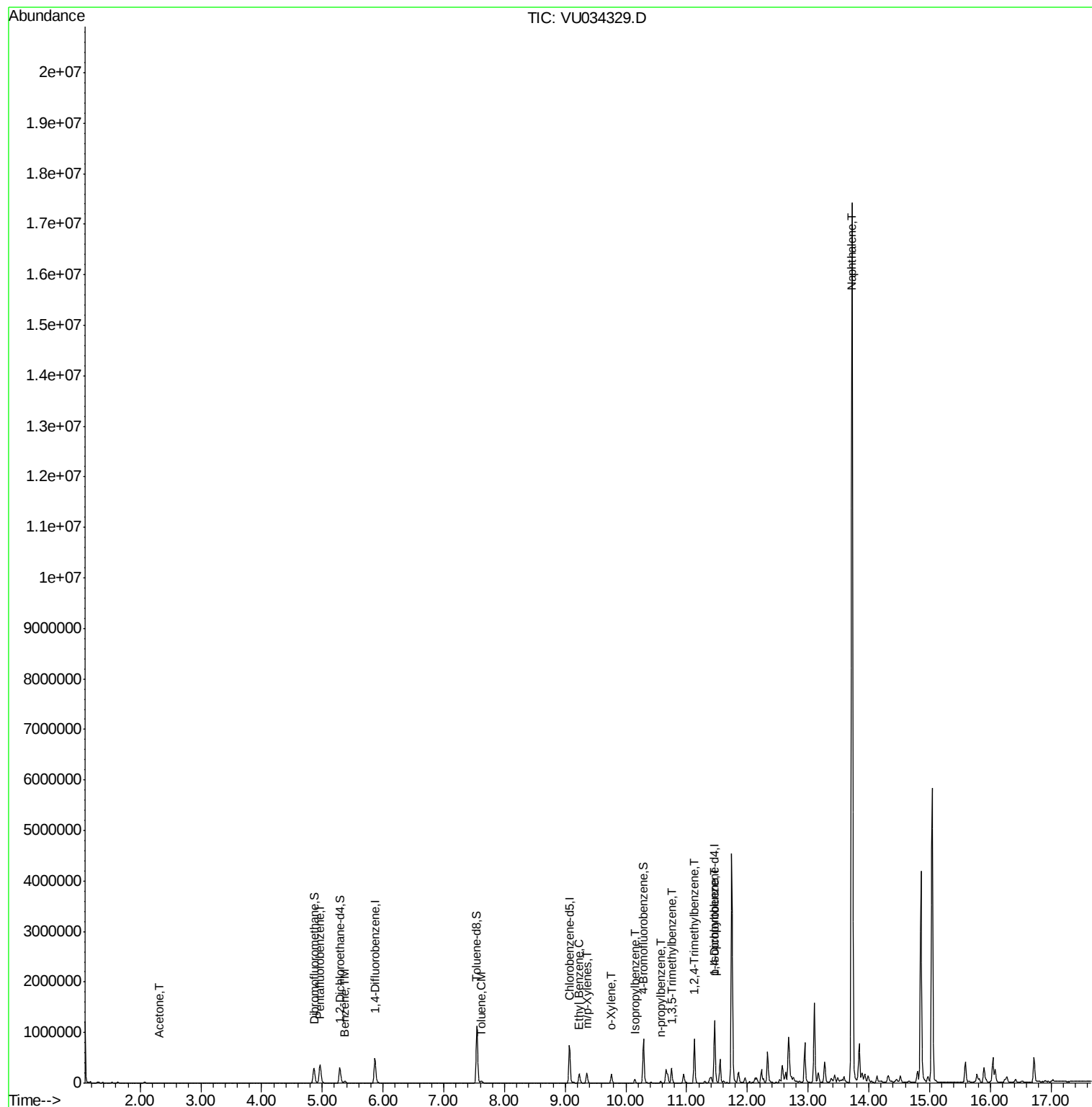
					Qvalue
16) Acetone	2.31	43	4285	1.765	ug/l 98
40) Benzene	5.37	78	39454	2.429	ug/l 100
52) Toluene	7.62	92	14556	1.428	ug/l 99
67) Ethyl Benzene	9.23	91	139104	7.351	ug/l 97
68) m/p-Xylenes	9.36	106	61875	8.683	ug/l 100
69) o-Xylene	9.76	106	49895	7.160	ug/l 97
73) Isopropylbenzene	10.15	105	53045	2.651	ug/l 98
78) n-propylbenzene	10.57	91	28675	1.241	ug/l 97
80) 1,3,5-Trimethylbenzene	10.75	105	159878	9.555	ug/l 99
84) 1,2,4-Trimethylbenzene	11.13	105	485491	28.825	ug/l 99
86) p-Isopropyltoluene	11.46	119	107809	5.911	ug/l 99
95) Naphthalene	13.72	128	13723195	620.619	ug/l 99

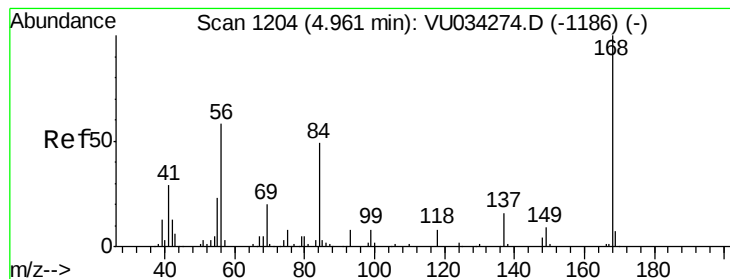
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

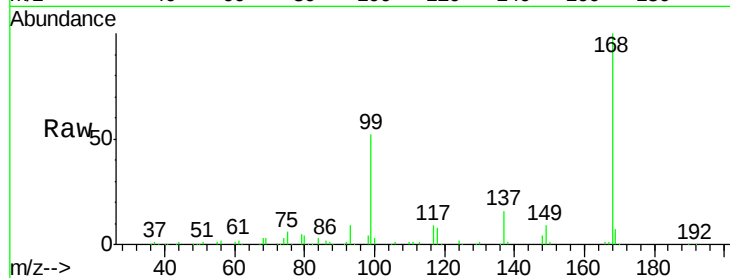
MW-2A

Tot Ion:168 Resp: 309986

Ion Ratio Lower Upper

168 100

99 52.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034329.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034329.D (-1111) (-)

4.96

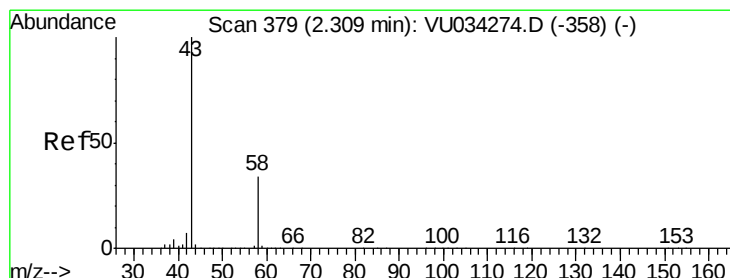
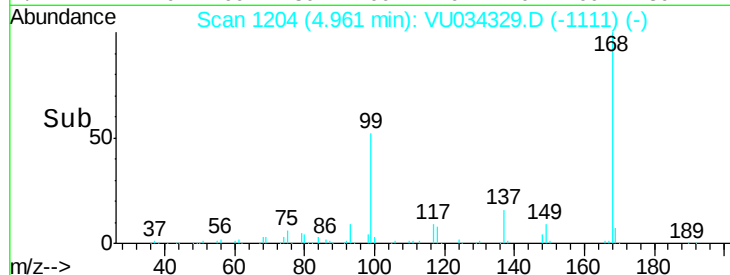
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.765 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034329.D

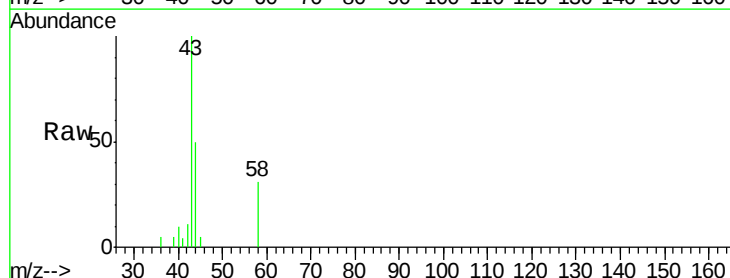
Acq: 06 Sep 2019 14:38

Tgt Ion: 43 Resp: 4285

Ion Ratio Lower Upper

43 100

58 33.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034329.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034329.D (-286) (-)

2.31

3000

2500

2000

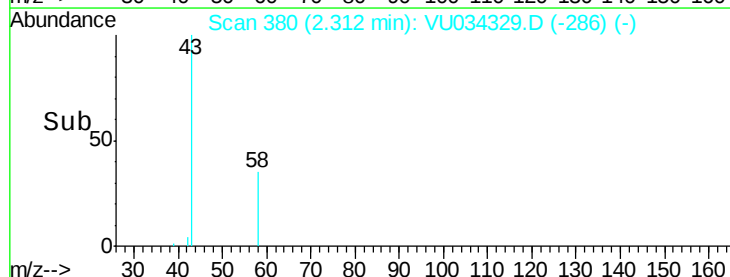
1500

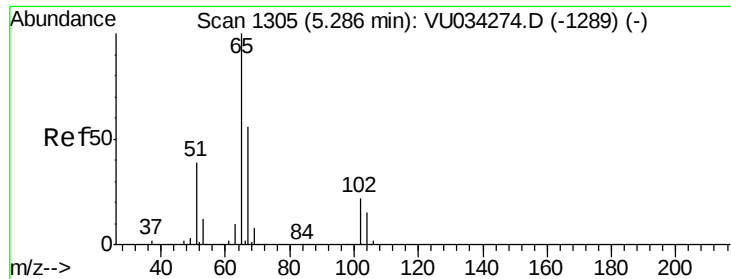
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.956 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

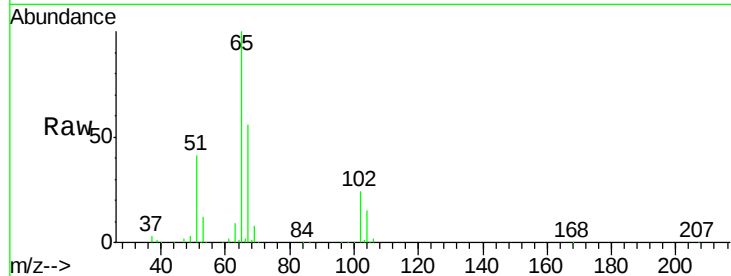
MW-2A

Tot Ion: 65 Resp: 238993

Ion Ratio Lower Upper

65 100

67 54.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034329.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034329.D (-1289) (-)

5.29

120000

100000

80000

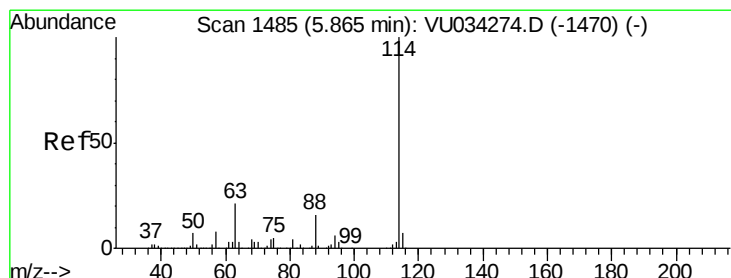
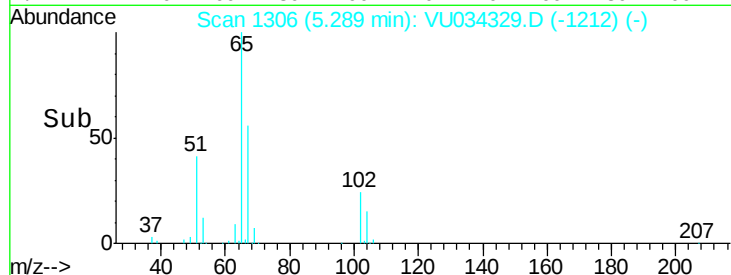
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

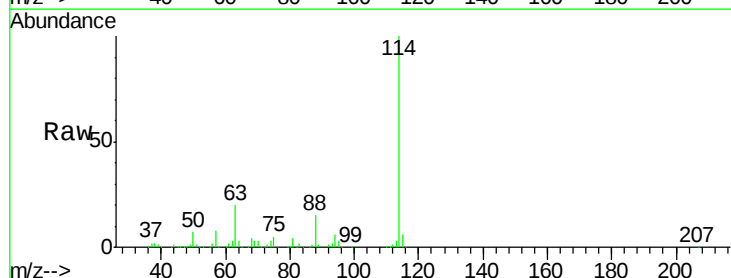
Tgt Ion: 114 Resp: 464244

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.4 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034329.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034329.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034329.D (-1392) (-)

5.87

300000

250000

200000

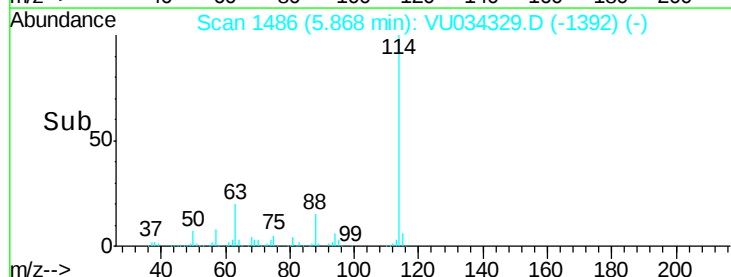
150000

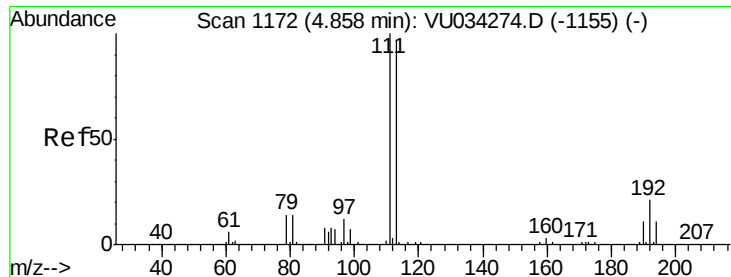
100000

50000

0

Time-->

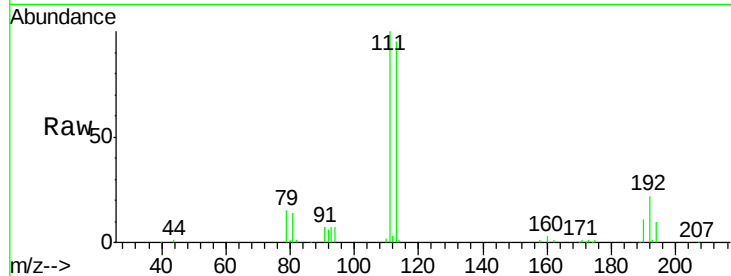




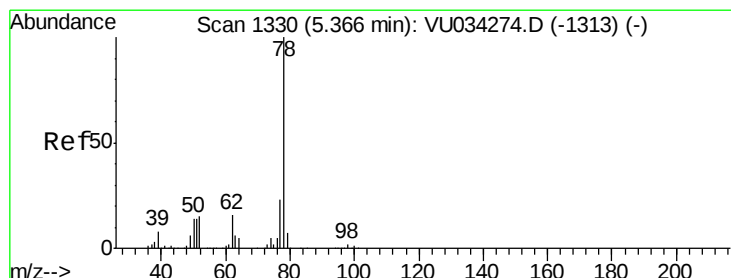
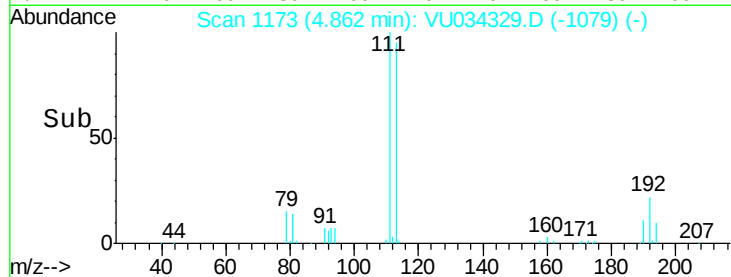
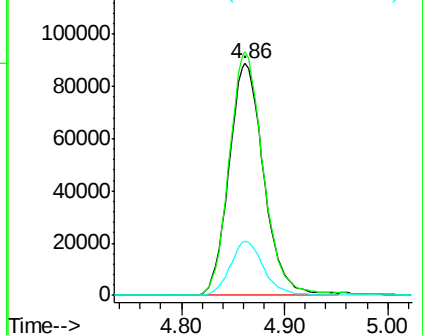
#35
 Dibromofluoromethane
 Concen: 48.231 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2A

Tot Ion:113 Resp: 208349
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 22.5 17.8 26.8

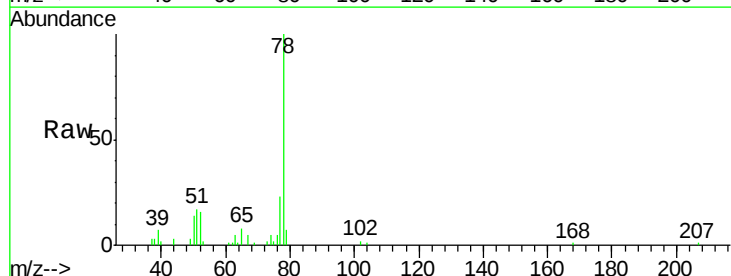


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

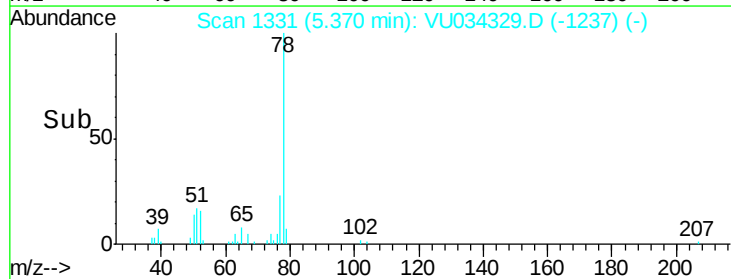
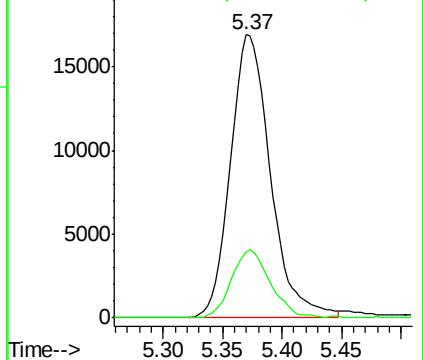


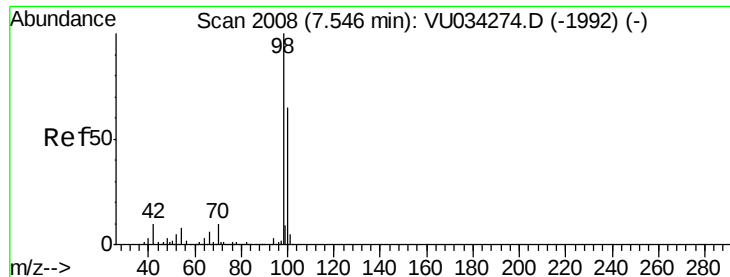
#40
 Benzene
 Concen: 2.429 ug/l
 RT: 5.37 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Tgt Ion: 78 Resp: 39454
 Ion Ratio Lower Upper
 78 100
 77 23.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#50

Toluene-d8

Concen: 49.859 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

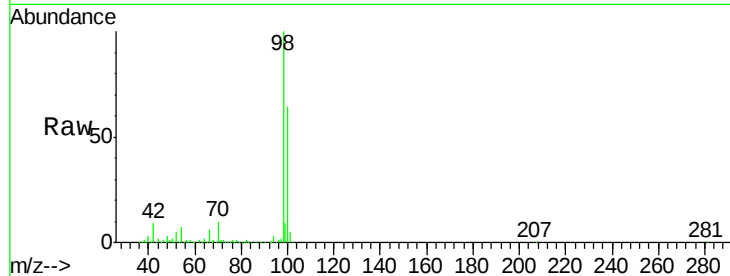
MW-2A

Tot Ion: 98 Resp: 809188

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)

7.55

500000

400000

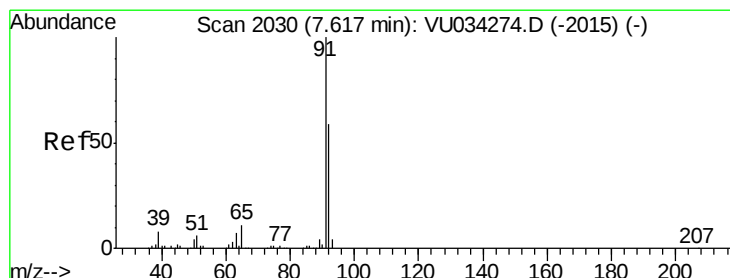
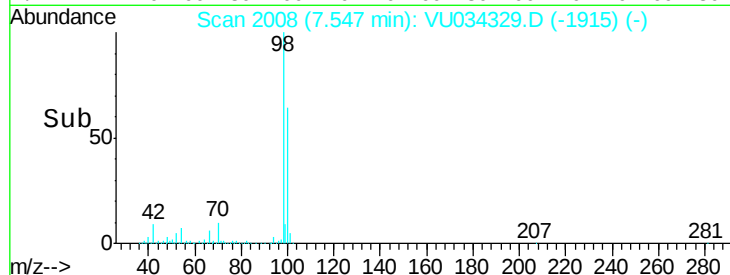
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 1.428 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU034329.D

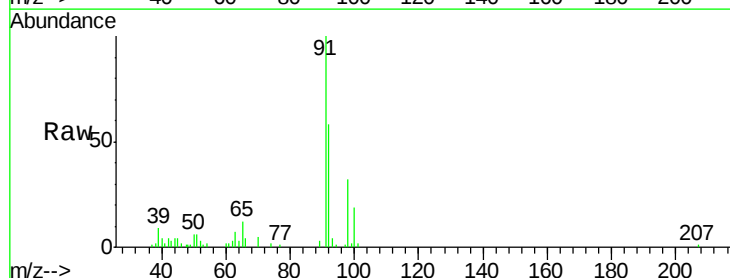
Acq: 06 Sep 2019 14:38

Tgt Ion: 92 Resp: 14556

Ion Ratio Lower Upper

92 100

91 172.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)

7.62

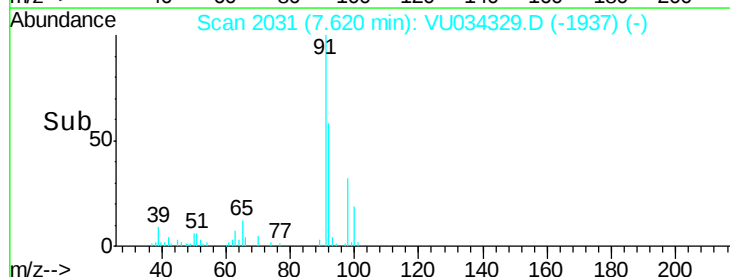
15000

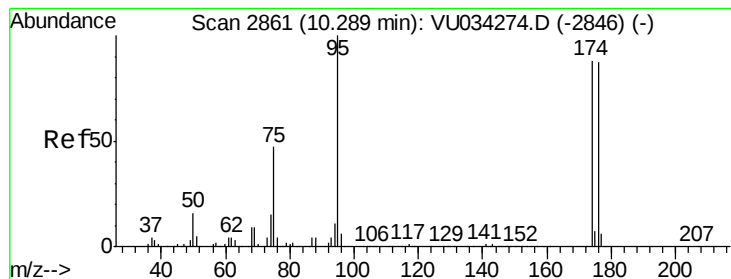
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.267 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

MW-2A

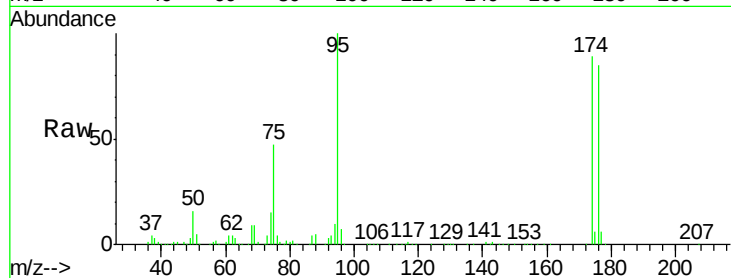
Tot Ion: 95 Resp: 302451

Ion Ratio Lower Upper

95 100

174 86.9 0.0 175.2

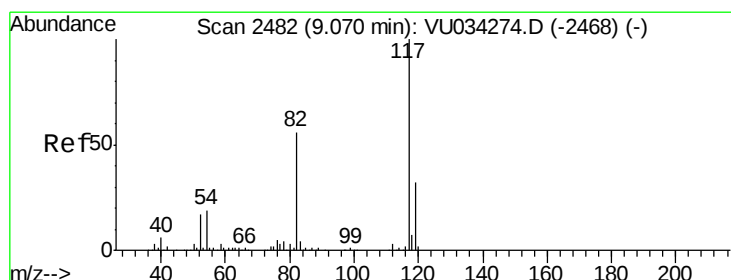
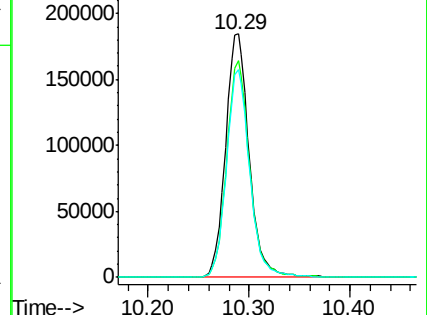
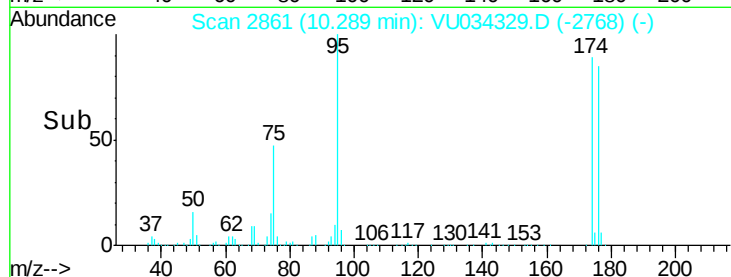
176 83.9 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034329.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034329.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034329.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

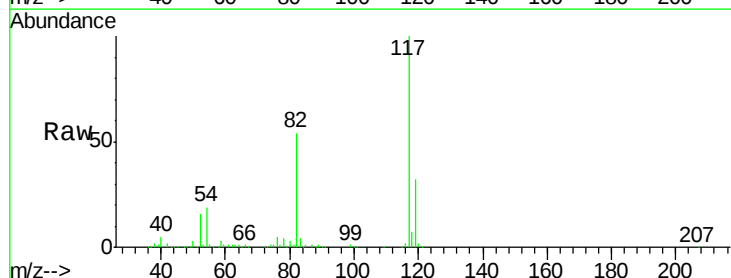
Tgt Ion: 117 Resp: 456175

Ion Ratio Lower Upper

117 100

82 53.7 44.6 67.0

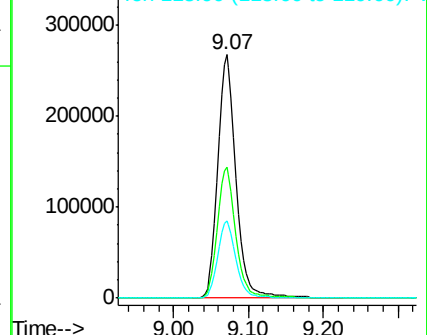
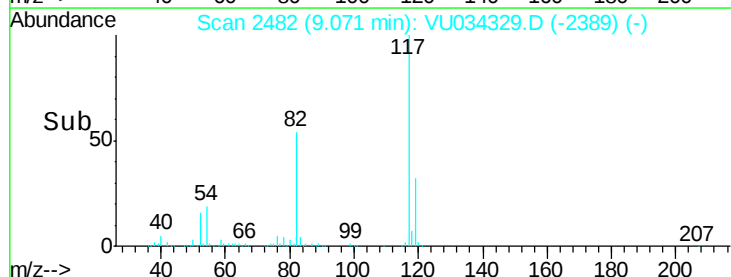
119 31.6 25.9 38.9

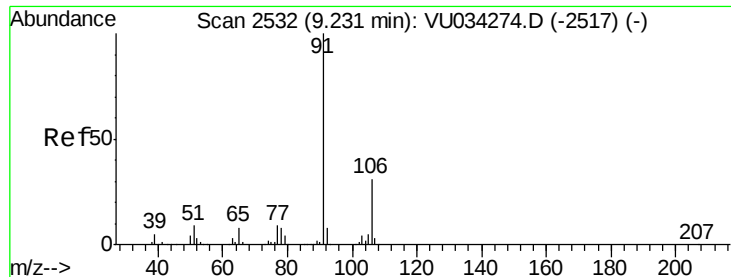


Abundance Ion 116.90 (116.60 to 117.60): VU034329.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034329.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034329.D (-2468) (-)





#67

Ethyl Benzene

Concen: 7.351 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

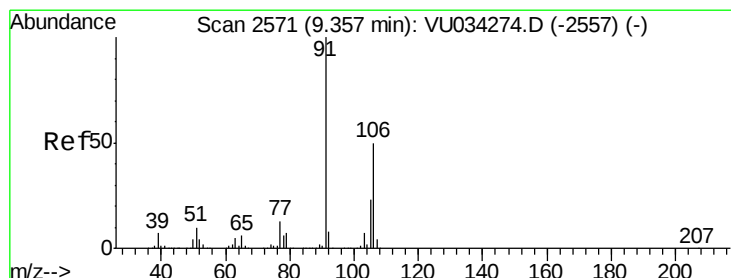
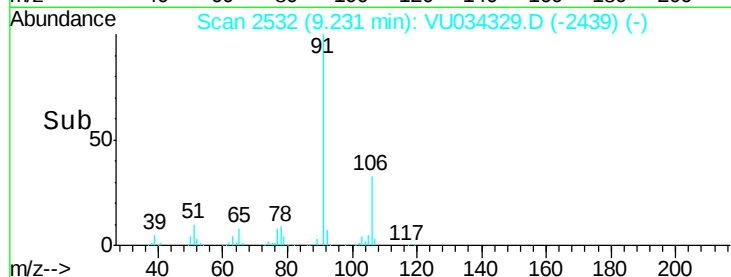
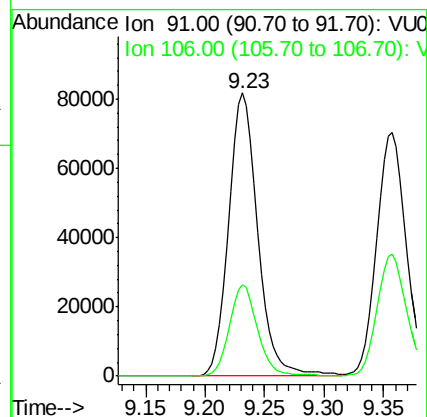
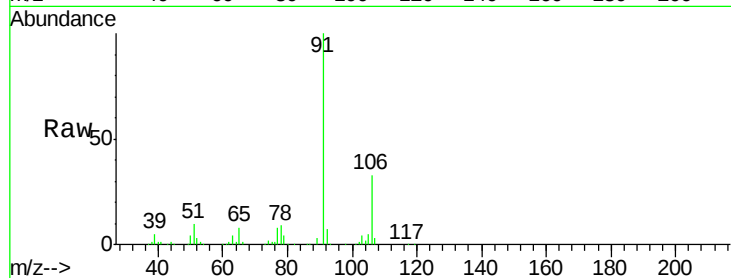
MW-2A

Tot Ion: 91 Resp: 139104

Ion Ratio Lower Upper

91 100

106 32.5 24.8 37.2



#68

m/p-Xylenes

Concen: 8.683 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034329.D

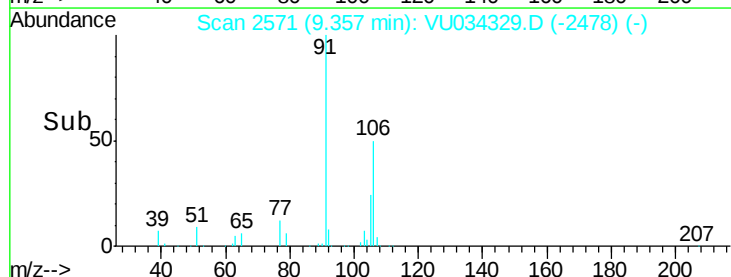
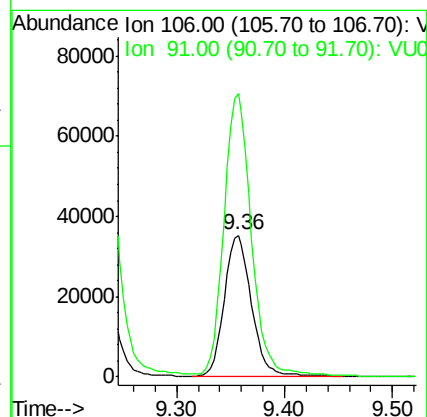
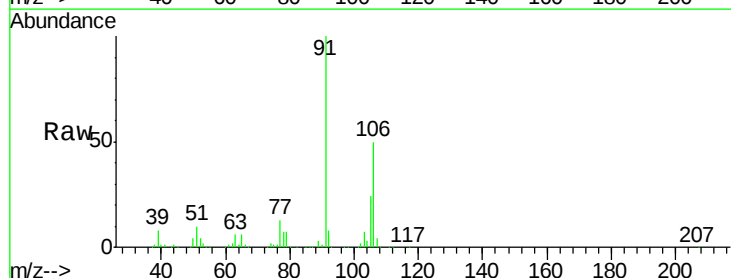
Acq: 06 Sep 2019 14:38

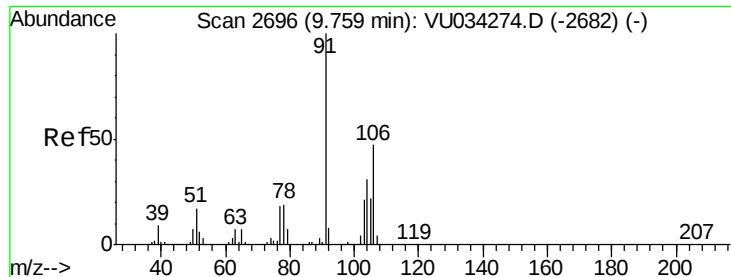
Tgt Ion: 106 Resp: 61875

Ion Ratio Lower Upper

106 100

91 200.3 160.1 240.1

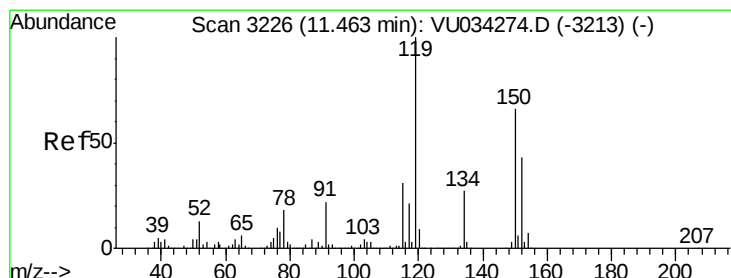
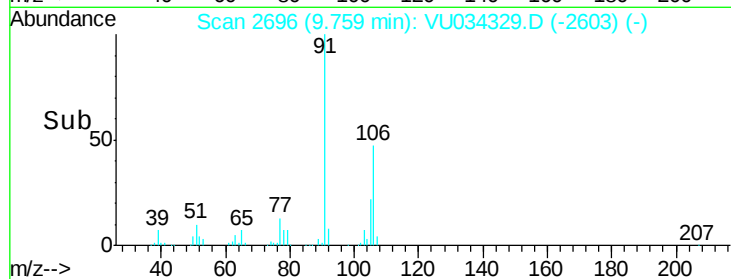
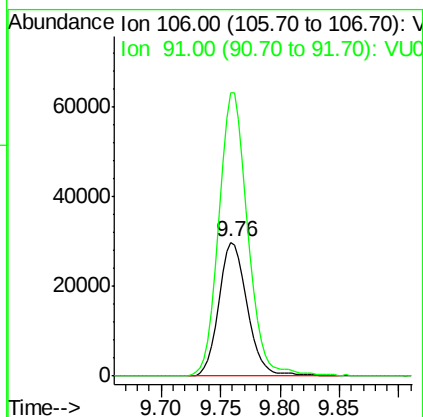
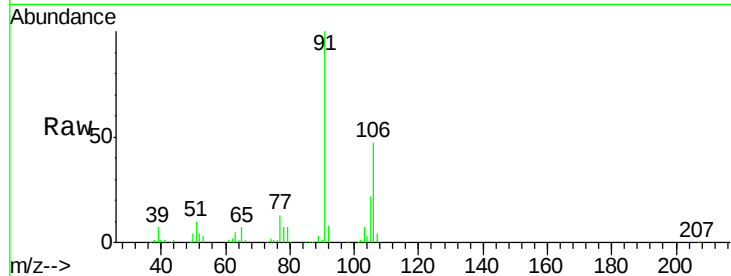




#69
o-Xylene
Concen: 7.160 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

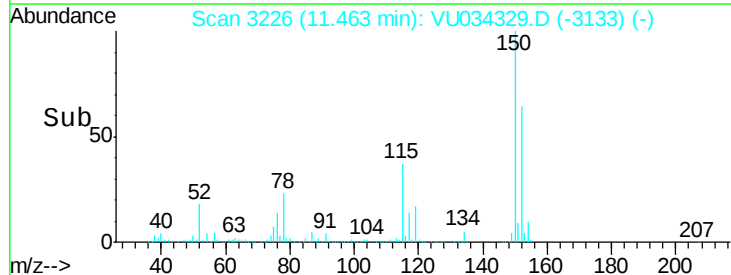
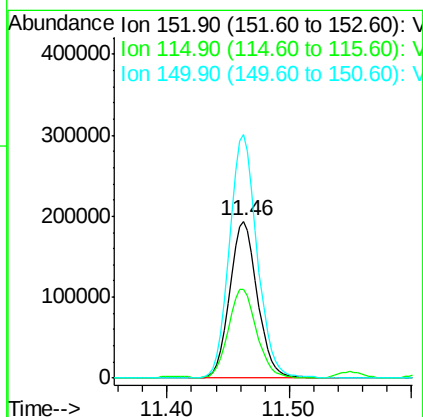
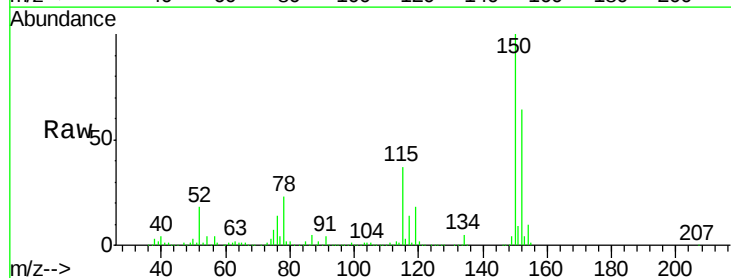
Instrument :
MSVOA_U
ClientSampleId :
MW-2A

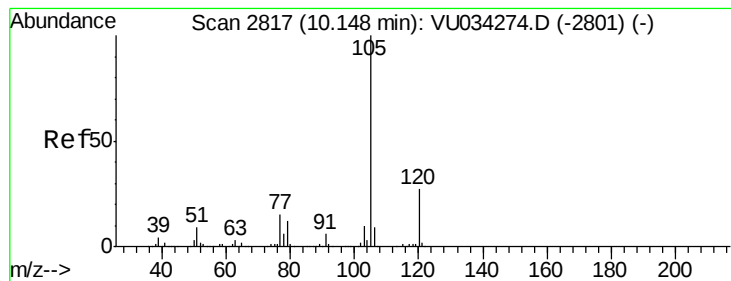
Tot Ion:106 Resp: 49895
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034329.D
Acq: 06 Sep 2019 14:38

Tgt Ion:152 Resp: 307423
Ion Ratio Lower Upper
152 100
115 57.3 39.1 117.3
150 155.5 0.0 345.4





#73

Isopropylbenzene

Concen: 2.651 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

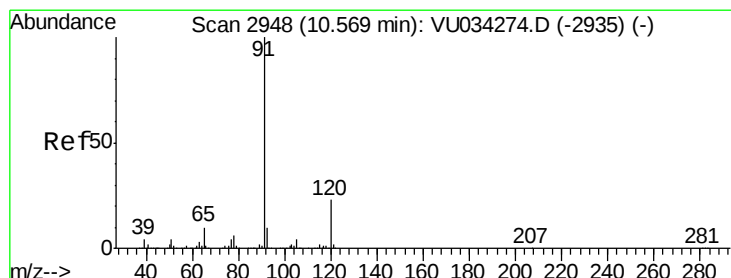
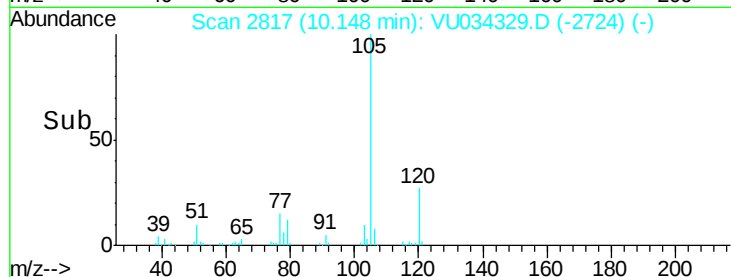
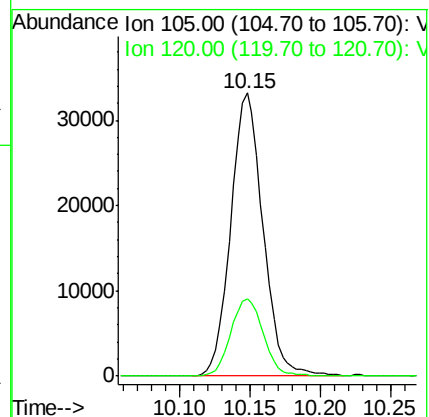
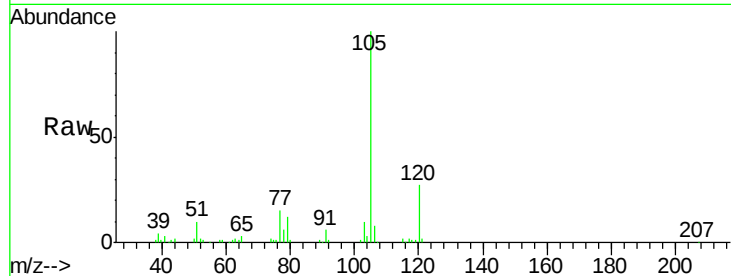
MW-2A

Tot Ion: 105 Resp: 53045

Ion Ratio Lower Upper

105 100

120 27.6 13.4 40.2



#78

n-propylbenzene

Concen: 1.241 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034329.D

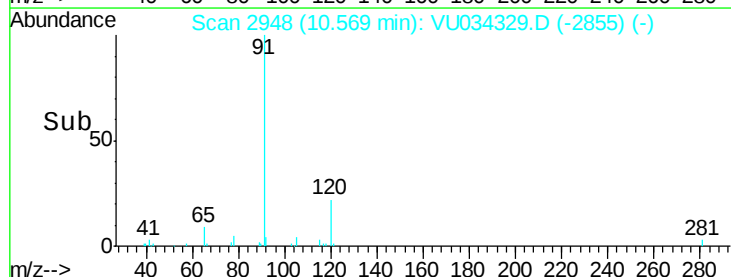
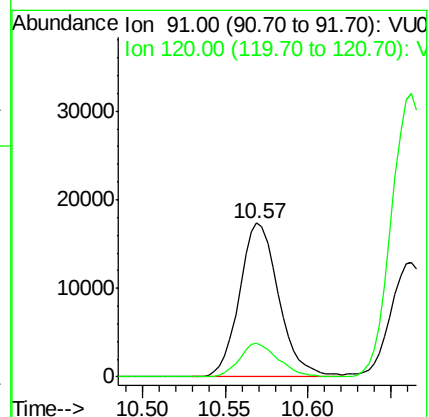
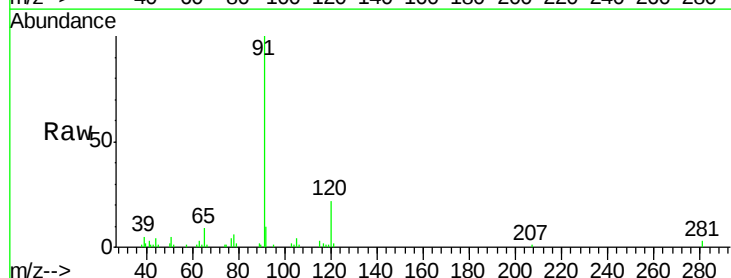
Acq: 06 Sep 2019 14:38

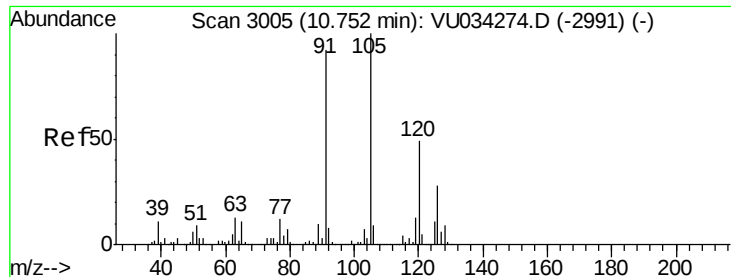
Tgt Ion: 91 Resp: 28675

Ion Ratio Lower Upper

91 100

120 21.7 11.7 35.0

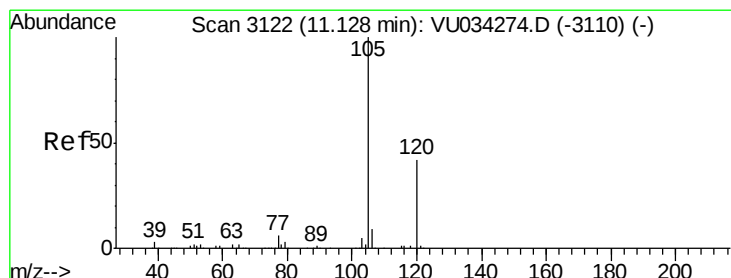
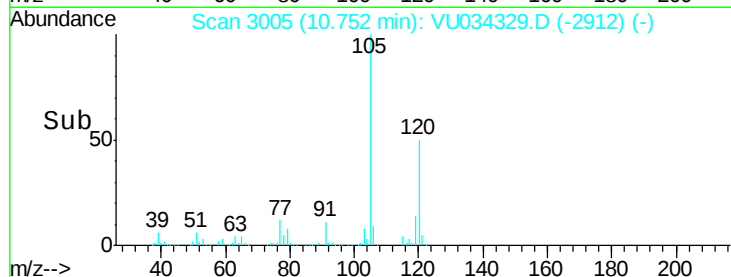
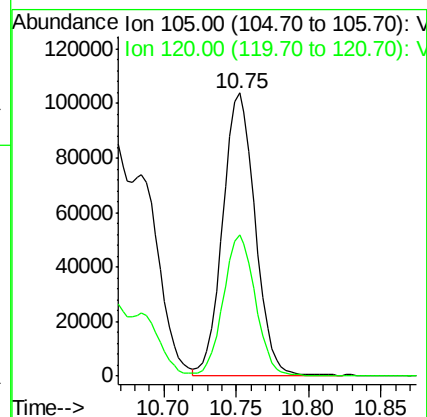
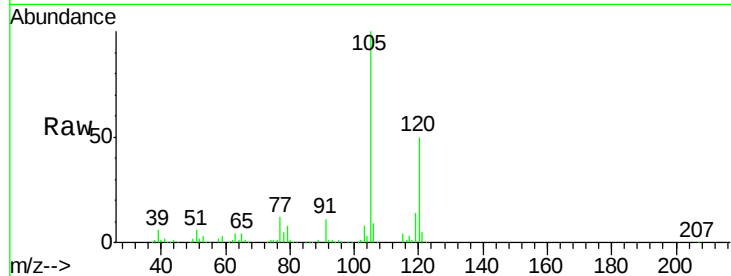




#80
 1,3,5-Trimethylbenzene
 Concen: 9.555 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

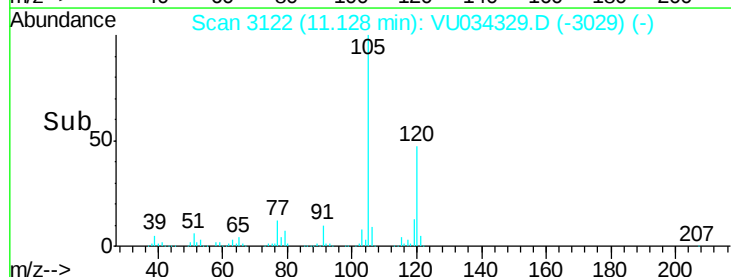
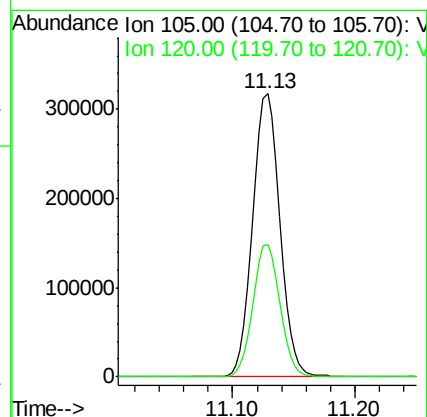
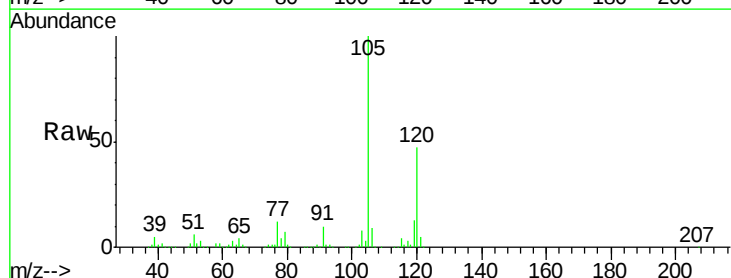
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2A

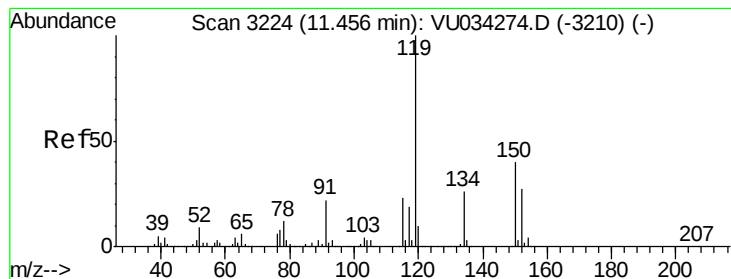
Tot Ion:105 Resp: 159878
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.7



#84
 1,2,4-Trimethylbenzene
 Concen: 28.825 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034329.D
 Acq: 06 Sep 2019 14:38

Tgt Ion:105 Resp: 485491
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#86

p-Isopropyltoluene

Concen: 5.911 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

Instrument :

MSVOA_U

ClientSampleId :

MW-2A

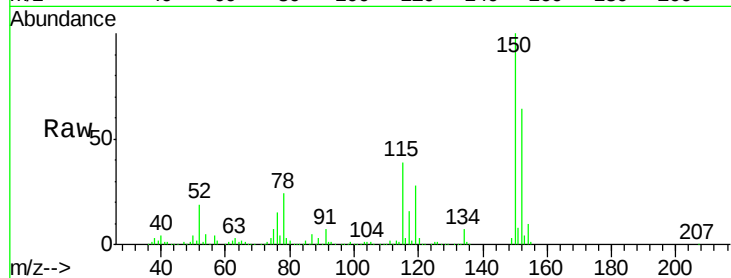
Tot Ion:119 Resp: 107809

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

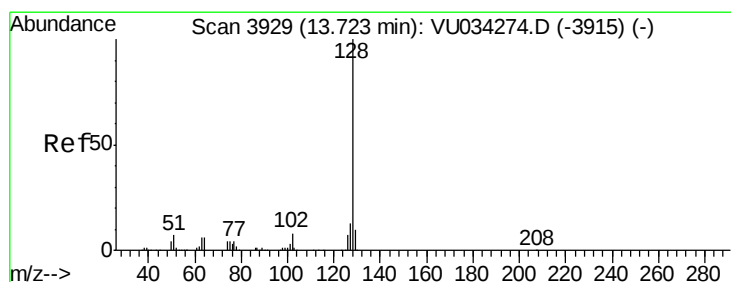
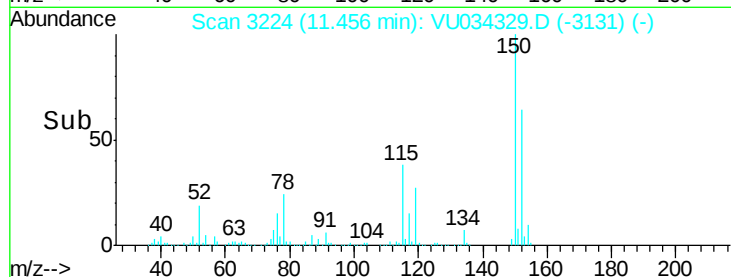
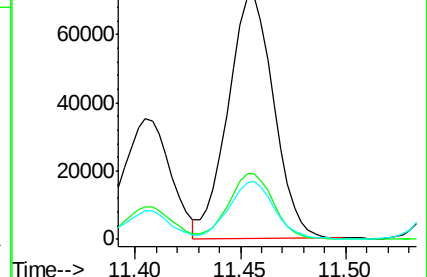
91 23.2 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 620.619 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034329.D

Acq: 06 Sep 2019 14:38

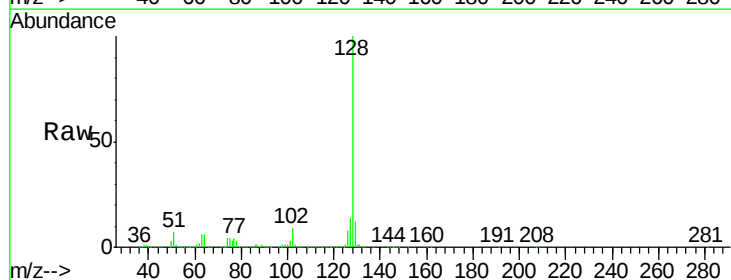
Tgt Ion:128 Resp:13723195

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

