

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034325.D
 Acq On : 06 Sep 2019 13:05
 Operator : JC/SP
 Sample : K4689-03 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4A

Quant Time: Sep 06 16:59:49 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	316902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	476423	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	470666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	311990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	241556	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	4.86	113	210686	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	7.55	98	818026	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	10.29	95	305990	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

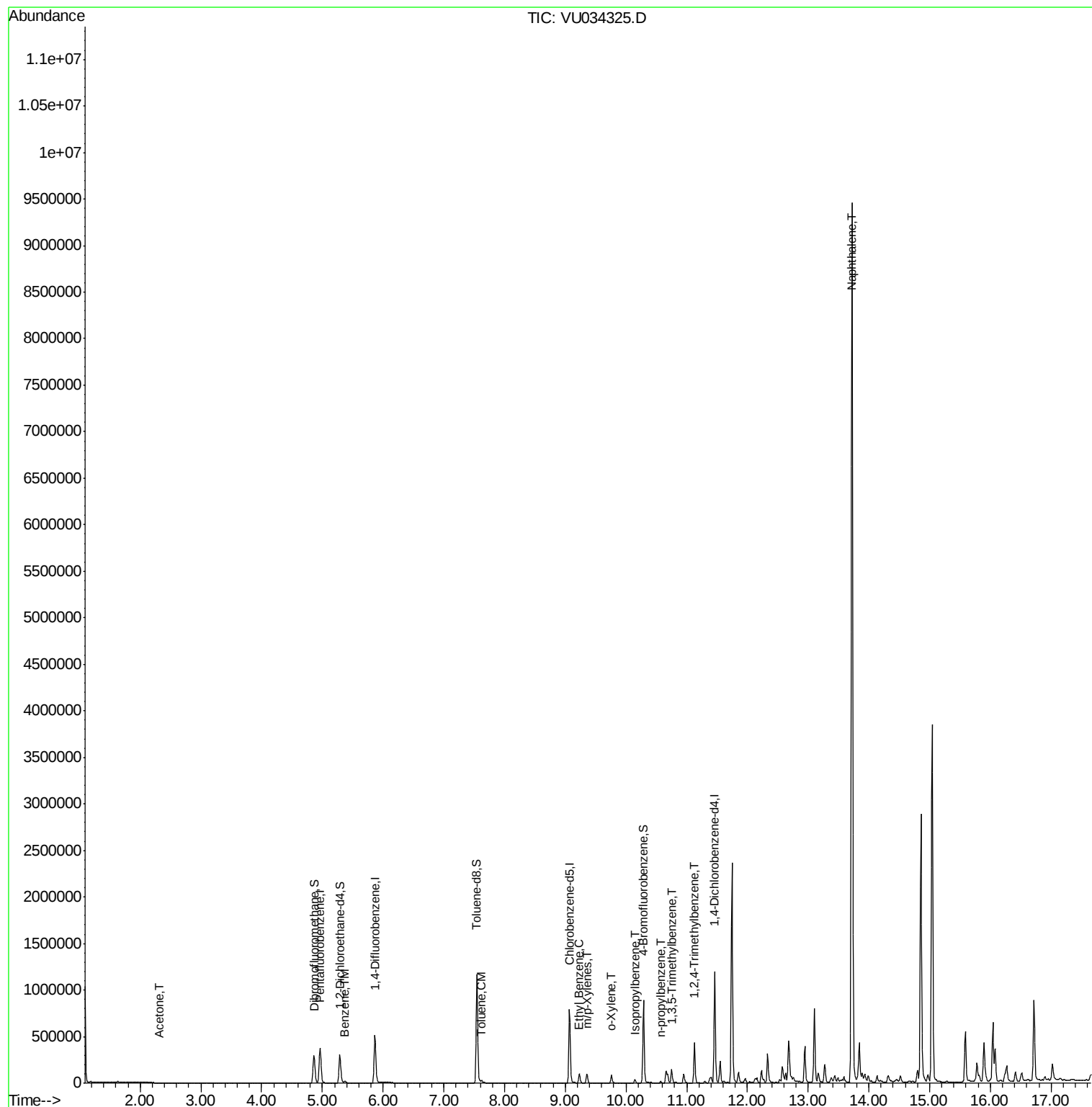
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	2764	1.114	ug/l	99
40) Benzene	5.37	78	20716	1.243	ug/l	97
52) Toluene	7.62	92	7795	0.745	ug/l	93
67) Ethyl Benzene	9.23	91	70977	3.635	ug/l	97
68) m/p-Xylenes	9.36	106	32240	4.385	ug/l	97
69) o-Xylene	9.76	106	24843	3.455	ug/l	97
73) Isopropylbenzene	10.15	105	27858	1.372	ug/l	98
78) n-propylbenzene	10.57	91	16148	0.689	ug/l	94
80) 1,3,5-Trimethylbenzene	10.75	105	80789	4.758	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	243359	14.237	ug/l	99
95) Naphthalene	13.72	128	7572294	339.247	ug/l	99

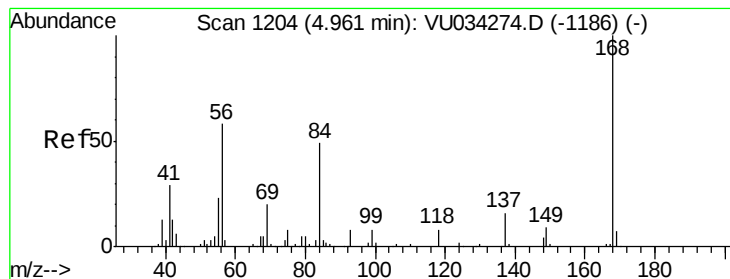
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

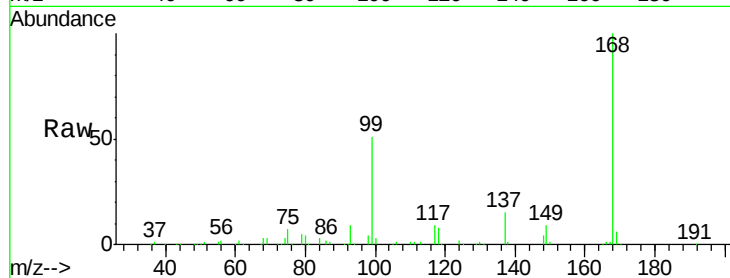
MW-4A

Tot Ion:168 Resp: 316902

Ion Ratio Lower Upper

168 100

99 50.6 41.6 62.4



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

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

4.96

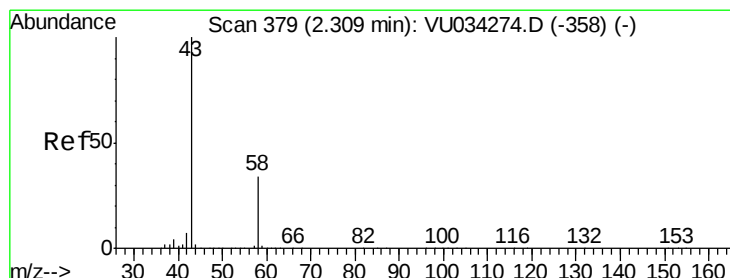
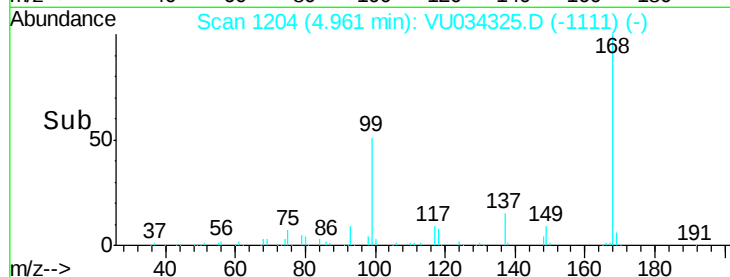
150000

100000

50000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#16

Acetone

Concen: 1.114 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034325.D

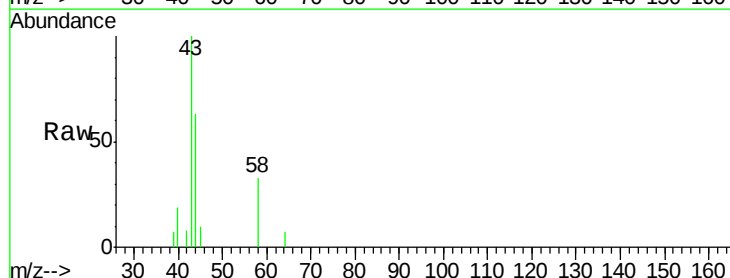
Acq: 06 Sep 2019 13:05

Tgt Ion: 43 Resp: 2764

Ion Ratio Lower Upper

43 100

58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

2.32

2000

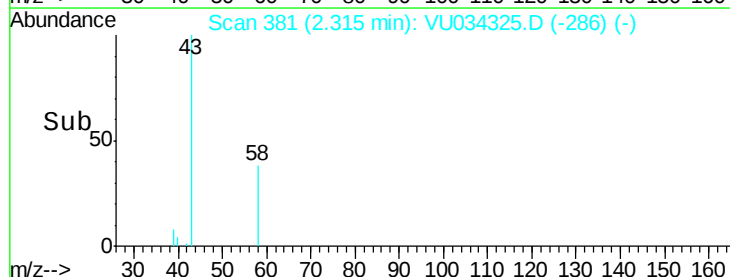
1500

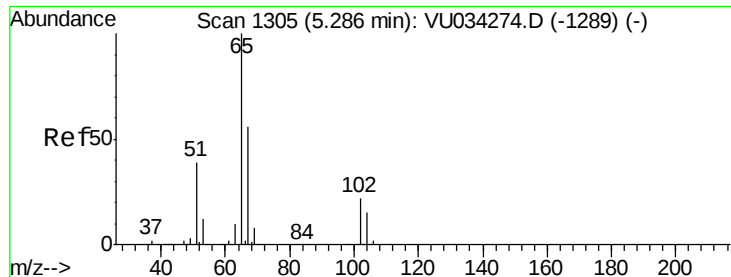
1000

500

0

Time--> 2.25 2.30 2.35 2.40





#33

1,2-Dichloroethane-d4

Concen: 50.378 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

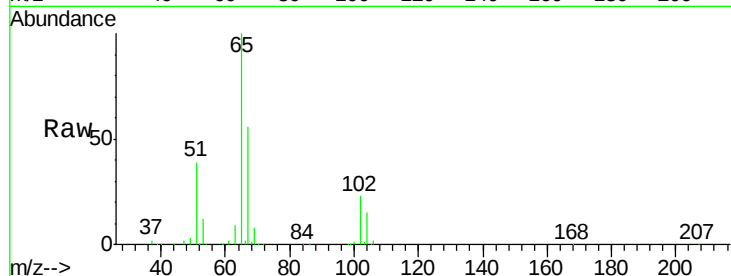
MW-4A

Tot Ion: 65 Resp: 241556

Ion Ratio Lower Upper

65 100

67 55.4 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034325.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034325.D (-1289) (-)

5.29

120000

100000

80000

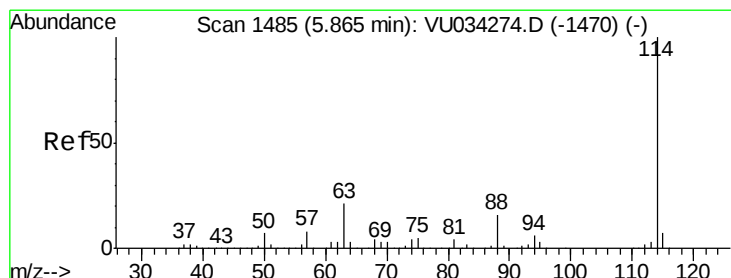
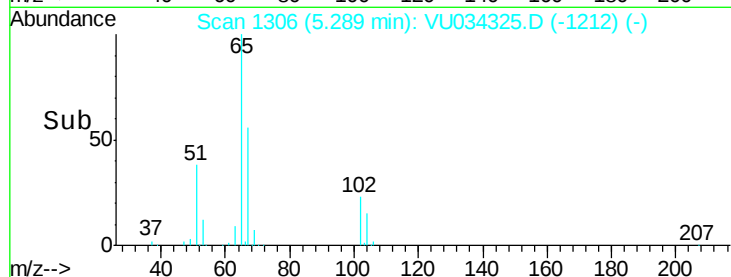
60000

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: VU034325.D

Acq: 06 Sep 2019 13:05

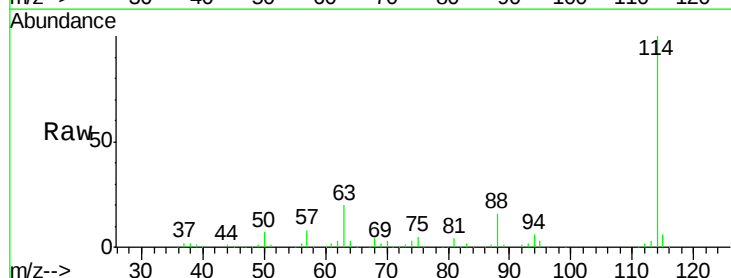
Tgt Ion: 114 Resp: 476423

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034325.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034325.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034325.D (-1392) (-)

5.87

300000

250000

200000

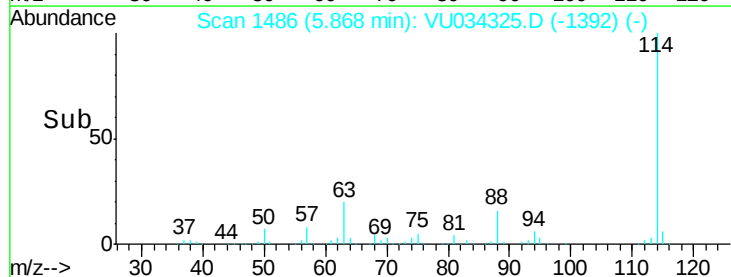
150000

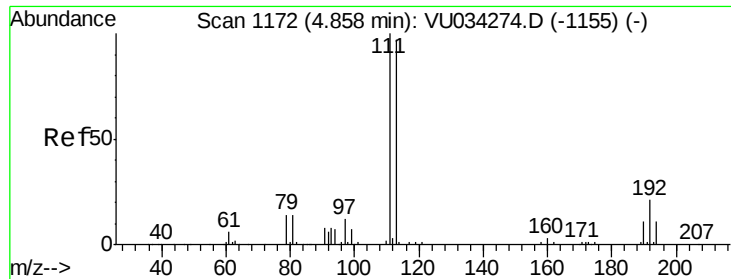
100000

50000

0

Time-->

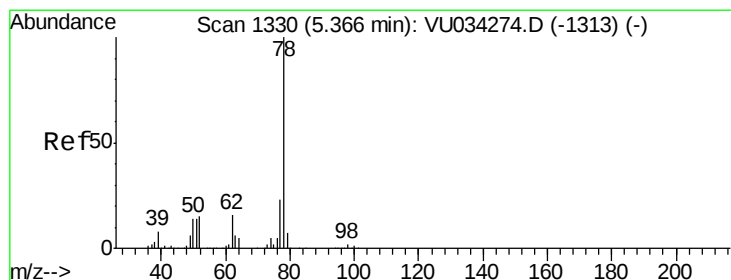
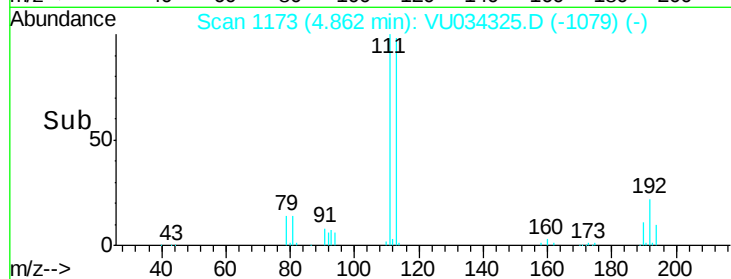
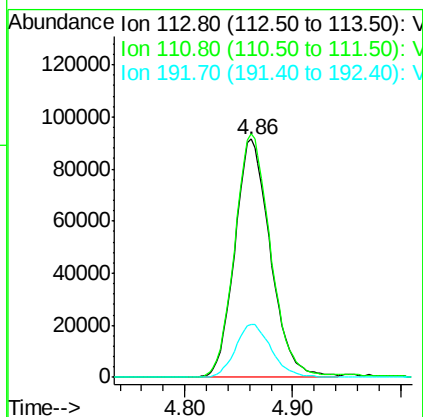
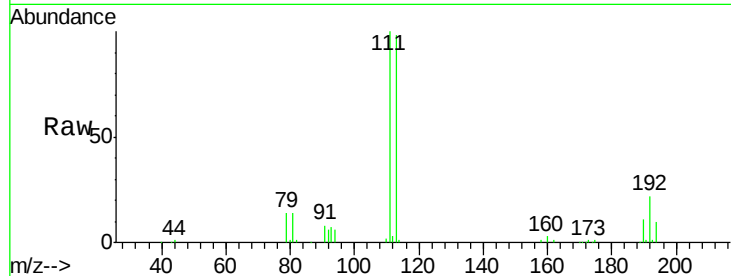




#35
 Dibromofluoromethane
 Concen: 47.525 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034325.D
 Acq: 06 Sep 2019 13:05

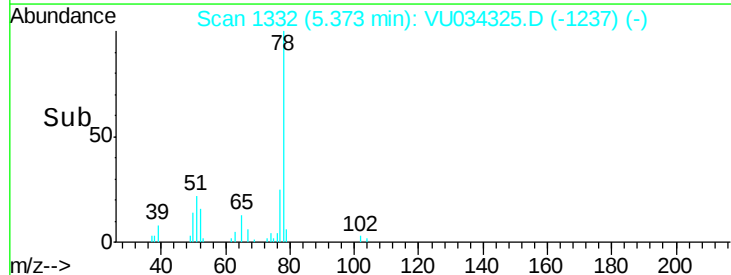
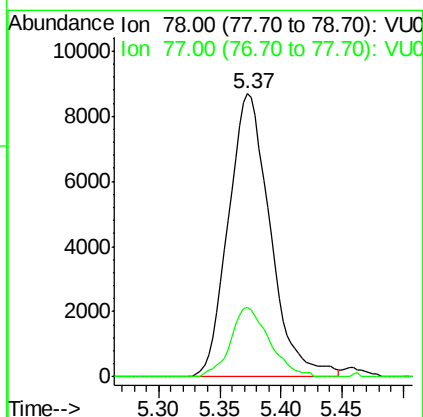
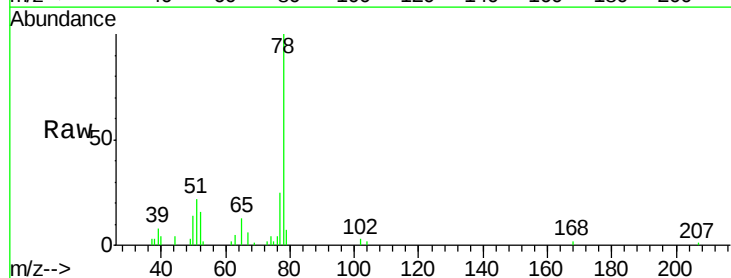
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4A

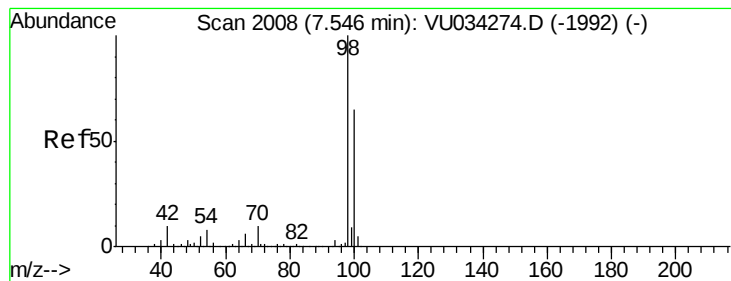
Tot Ion:113 Resp: 210686
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 22.6 17.8 26.8



#40
 Benzene
 Concen: 1.243 ug/l
 RT: 5.37 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VU034325.D
 Acq: 06 Sep 2019 13:05

Tgt Ion: 78 Resp: 20716
 Ion Ratio Lower Upper
 78 100
 77 24.6 18.7 28.1





#50

Toluene-d8

Concen: 49.115 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

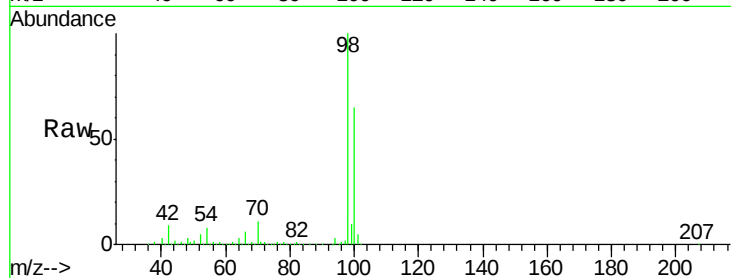
MW-4A

Tot Ion: 98 Resp: 818026

Ion Ratio Lower Upper

98 100

100 65.3 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

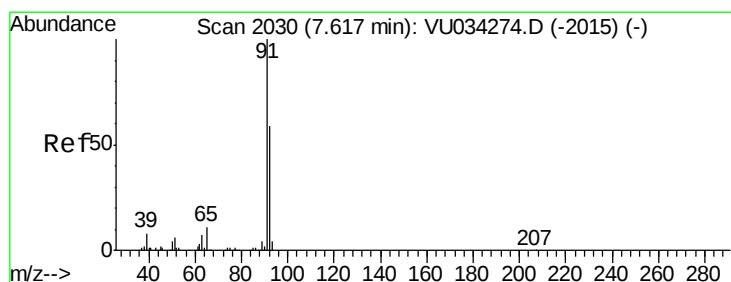
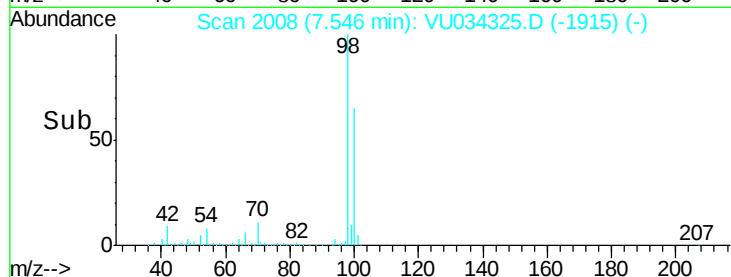
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.745 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU034325.D

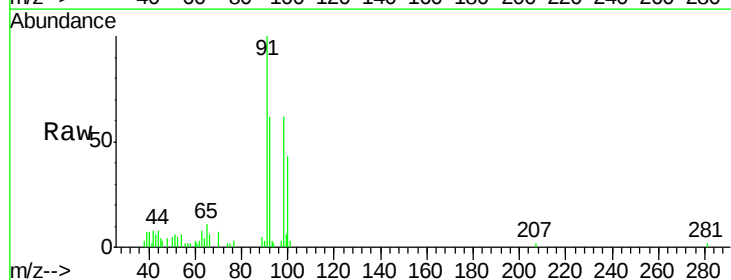
Acq: 06 Sep 2019 13:05

Tgt Ion: 92 Resp: 7795

Ion Ratio Lower Upper

92 100

91 161.5 136.6 205.0



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

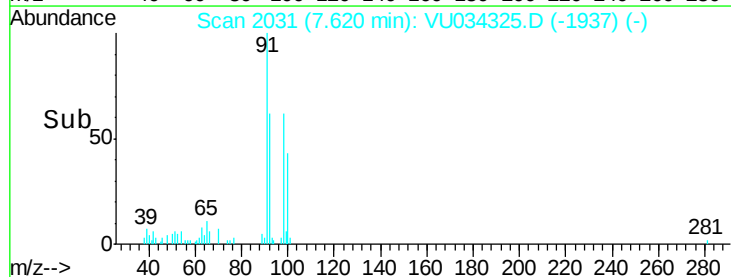
6000

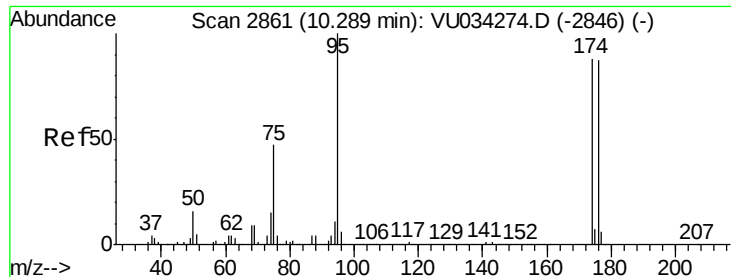
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.584 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

MW-4A

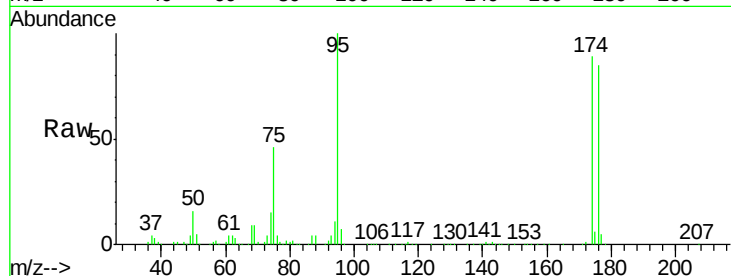
Tot Ion: 95 Resp: 305990

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.2

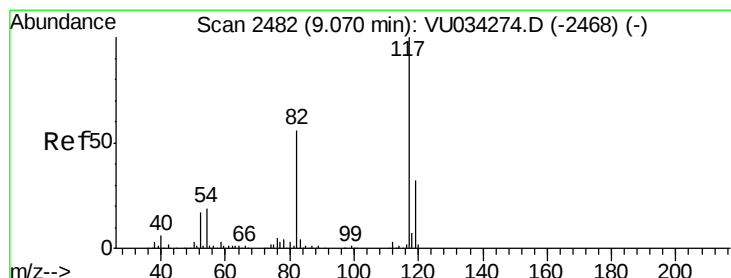
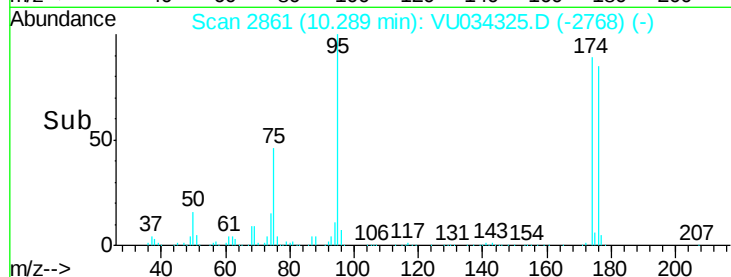
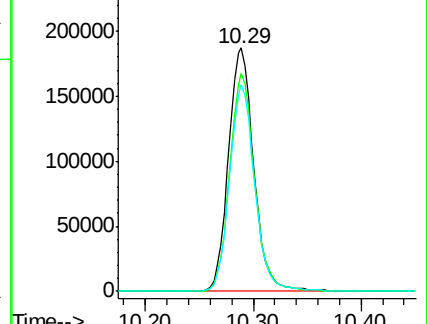
176 84.3 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034325.D (-2846) (-)

Ion 173.80 (173.50 to 174.50): VU034325.D (-2846) (-)

Ion 175.80 (175.50 to 176.50): VU034325.D (-2846) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

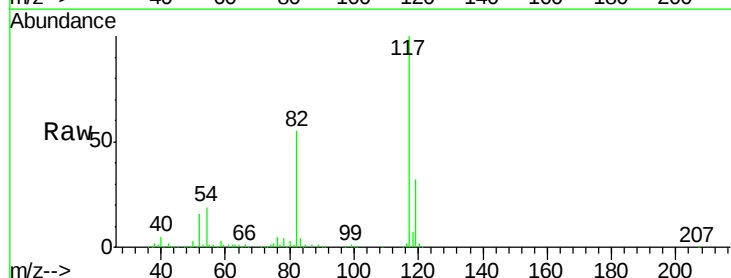
Tgt Ion: 117 Resp: 470666

Ion Ratio Lower Upper

117 100

82 55.2 44.6 67.0

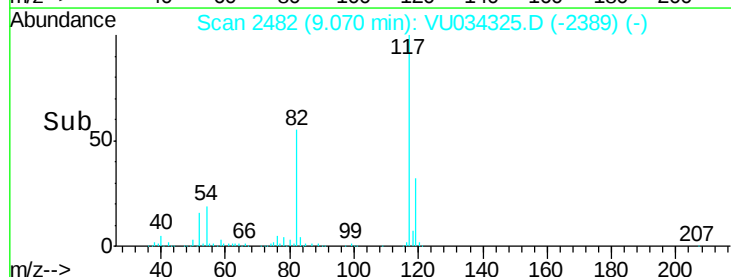
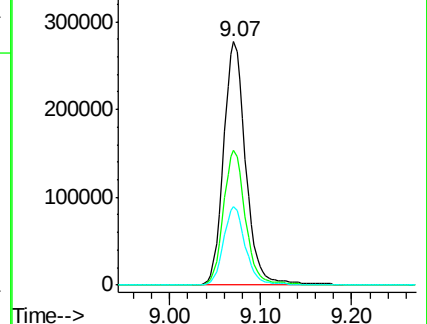
119 32.2 25.9 38.9

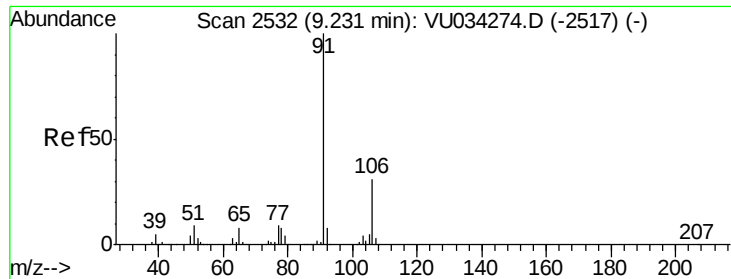


Abundance Ion 116.90 (116.60 to 117.60): VU034325.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034325.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034325.D (-2389) (-)





#67

Ethyl Benzene

Concen: 3.635 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

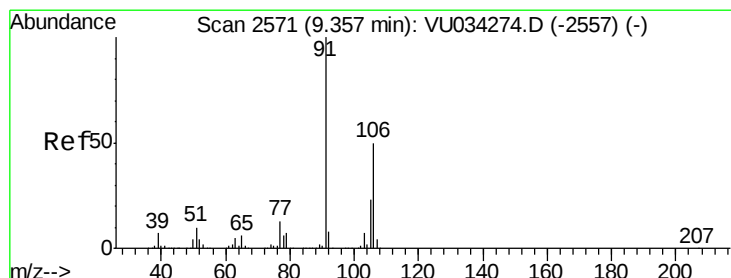
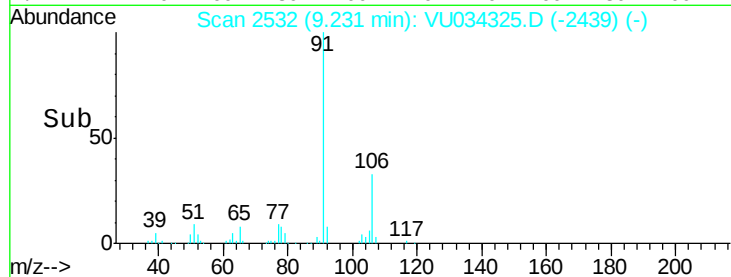
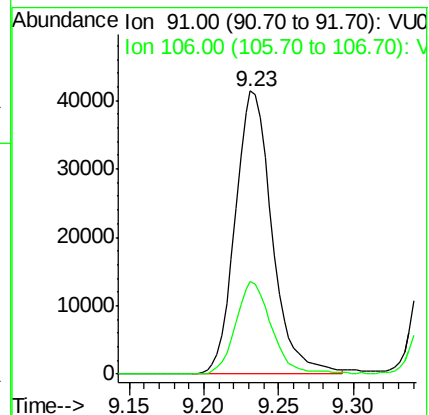
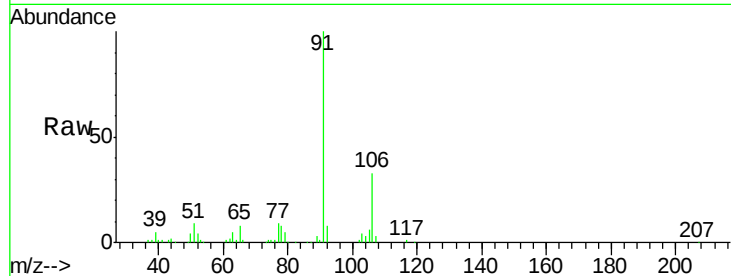
MW-4A

Tot Ion: 91 Resp: 70977

Ion Ratio Lower Upper

91 100

106 32.6 24.8 37.2



#68

m/p-Xylenes

Concen: 4.385 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034325.D

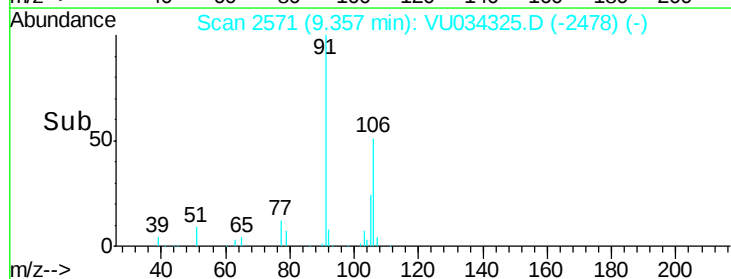
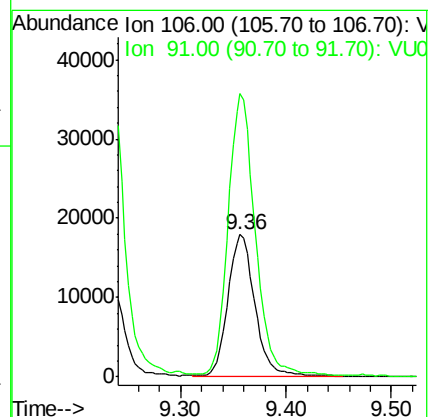
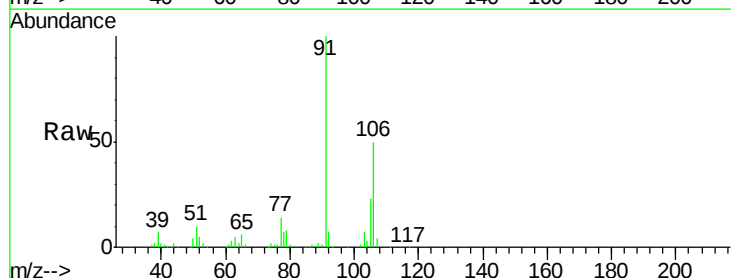
Acq: 06 Sep 2019 13:05

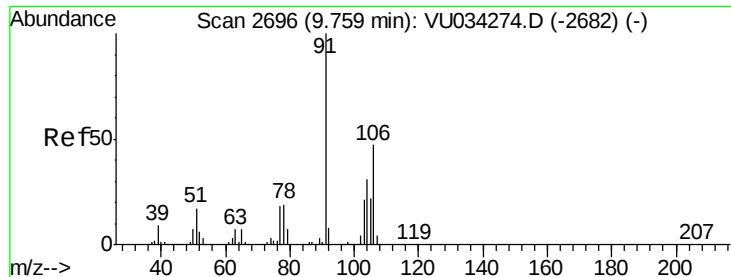
Tgt Ion: 106 Resp: 32240

Ion Ratio Lower Upper

106 100

91 195.5 160.1 240.1

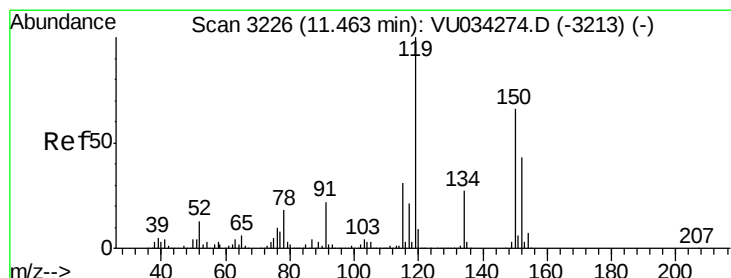
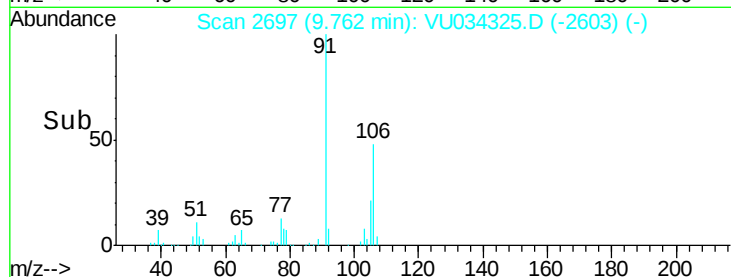
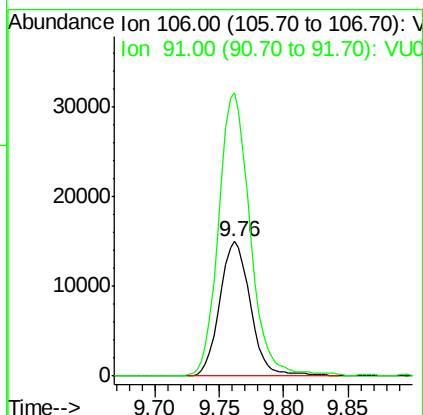
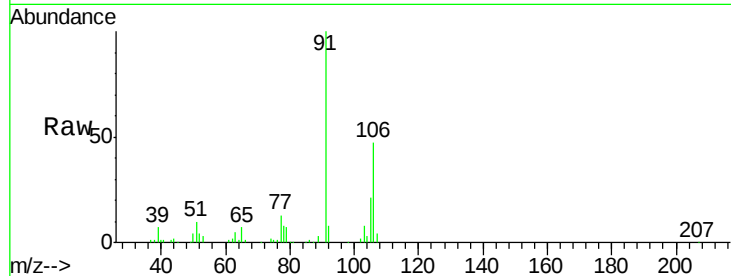




#69
o-Xylene
Concen: 3.455 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034325.D
Acq: 06 Sep 2019 13:05

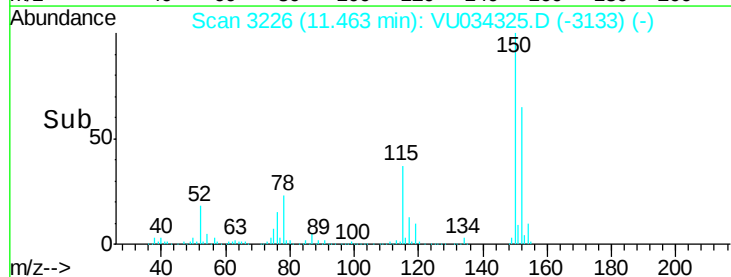
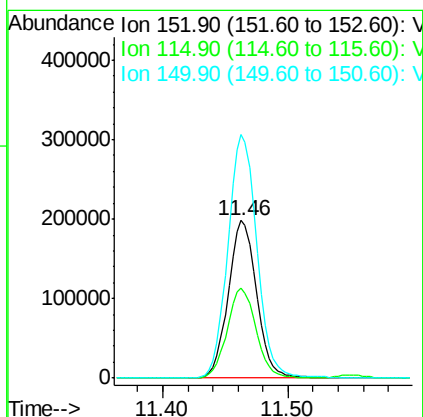
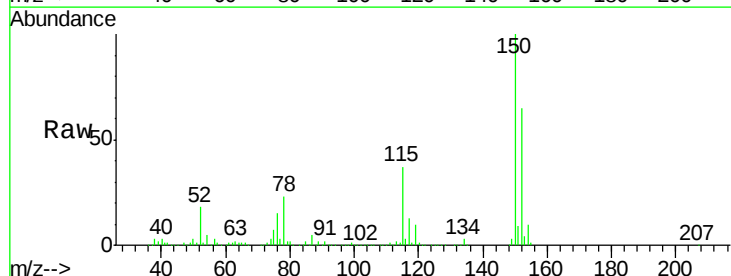
Instrument :
MSVOA_U
ClientSampled :
MW-4A

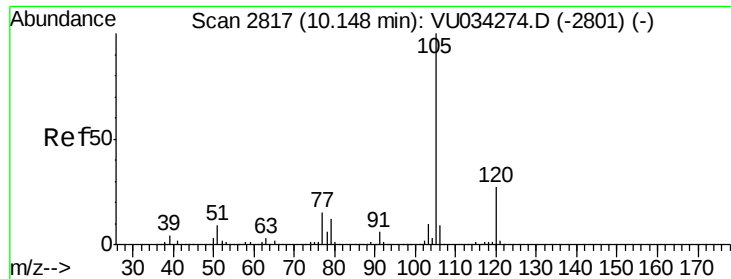
Tot Ion:106 Resp: 24843
Ion Ratio Lower Upper
106 100
91 215.0 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034325.D
Acq: 06 Sep 2019 13:05

Tgt Ion:152 Resp: 311990
Ion Ratio Lower Upper
152 100
115 57.2 39.1 117.3
150 157.4 0.0 345.4





#73

Isopropylbenzene

Concen: 1.372 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

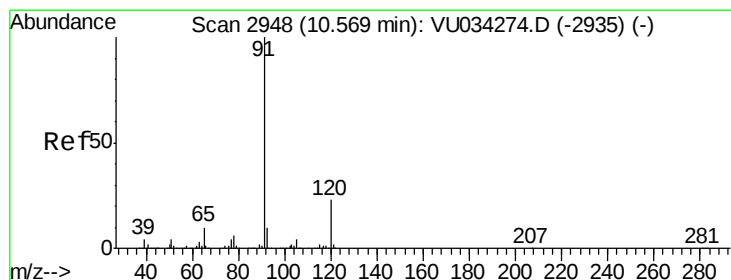
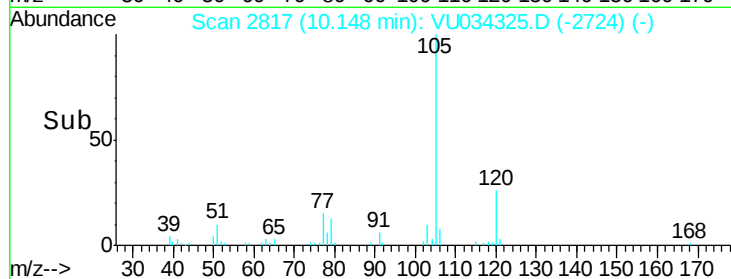
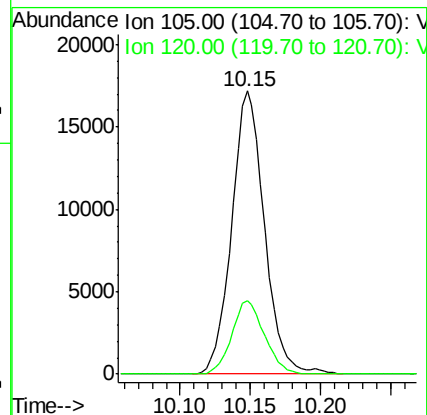
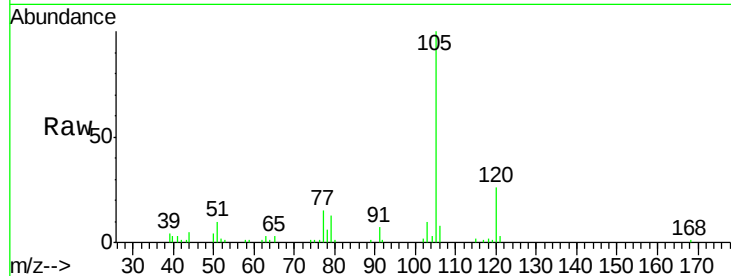
MW-4A

Tot Ion:105 Resp: 27858

Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.2



#78

n-propylbenzene

Concen: 0.689 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034325.D

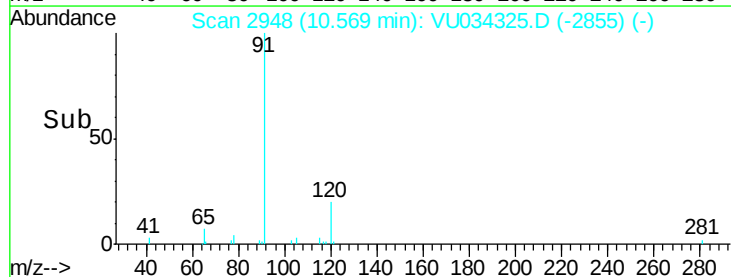
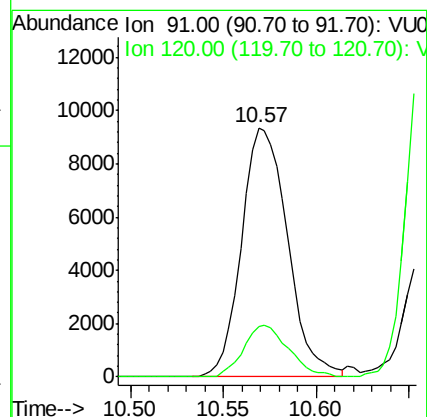
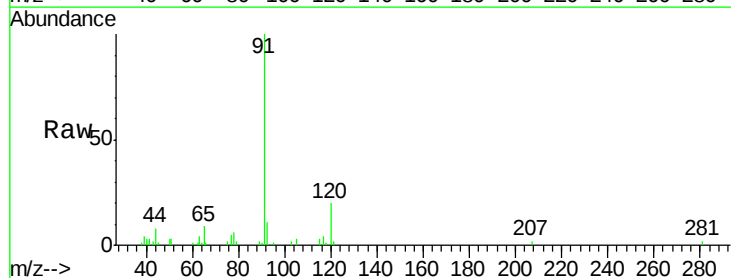
Acq: 06 Sep 2019 13:05

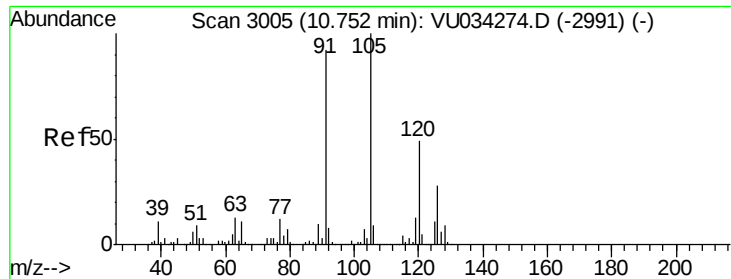
Tgt Ion: 91 Resp: 16148

Ion Ratio Lower Upper

91 100

120 20.2 11.7 35.0

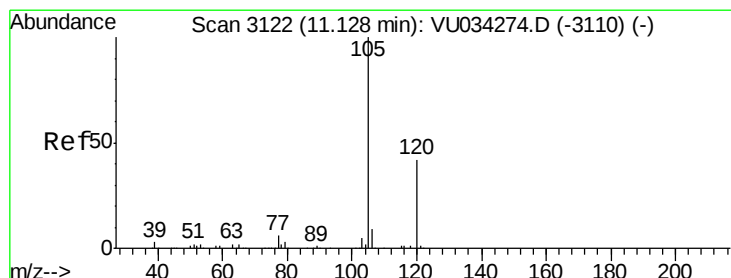
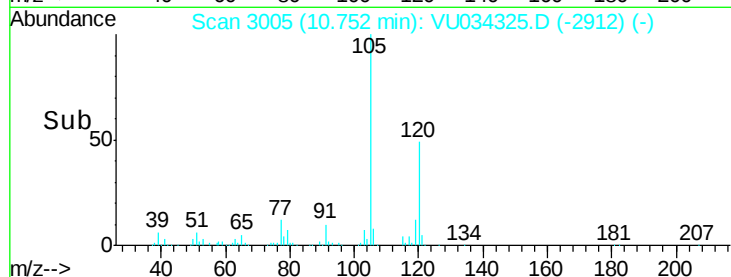
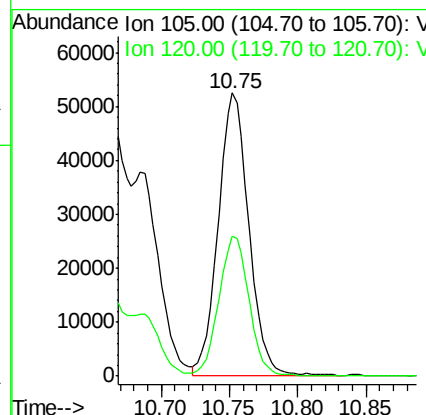
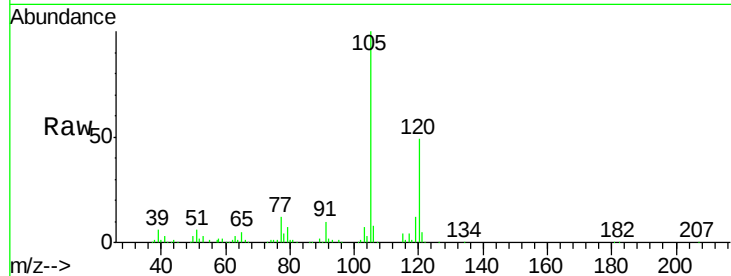




#80
 1,3,5-Trimethylbenzene
 Concen: 4.758 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034325.D
 Acq: 06 Sep 2019 13:05

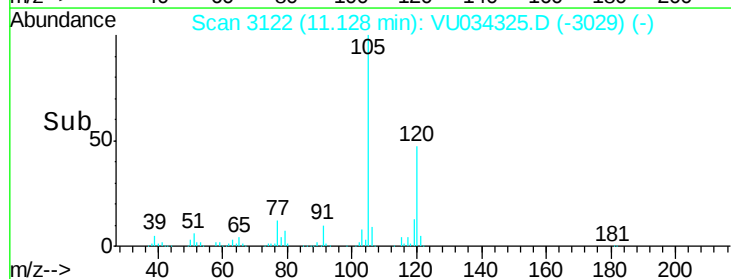
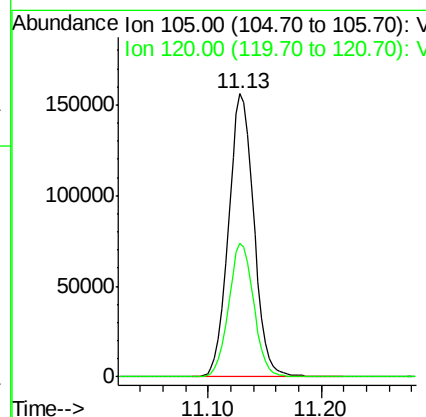
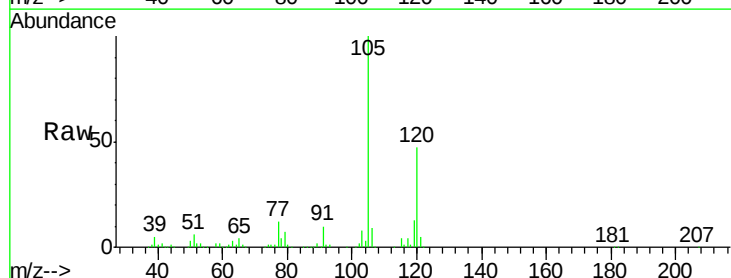
Instrument :
 MSVOA_U
 ClientSampled :
 MW-4A

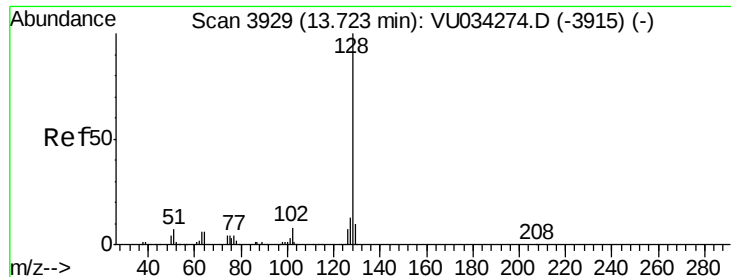
Tot Ion:105 Resp: 80789
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.7



#84
 1,2,4-Trimethylbenzene
 Concen: 14.237 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034325.D
 Acq: 06 Sep 2019 13:05

Tgt Ion:105 Resp: 243359
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#95

Naphthalene

Concen: 339.247 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034325.D

Acq: 06 Sep 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

MW-4A

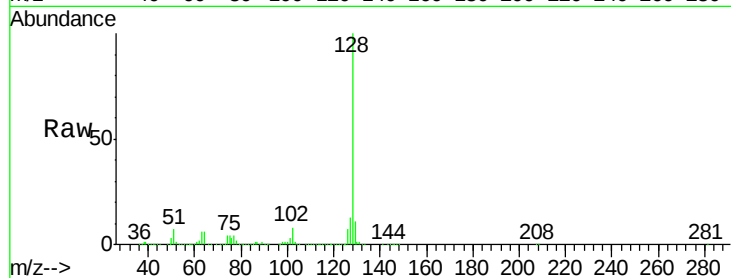
Tot Ion:128 Resp: 7572294

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.9 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

