

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025173.D
 Acq On : 03 Jul 2018 04:38
 Operator : MD/SY
 Sample : J3809-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-13-062818

Quant Time: Jul 03 08:01:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	318175	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154345	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	157823	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
35) Dibromofluoromethane	4.89	113	122949	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	7.57	98	450237	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	10.31	95	166513	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

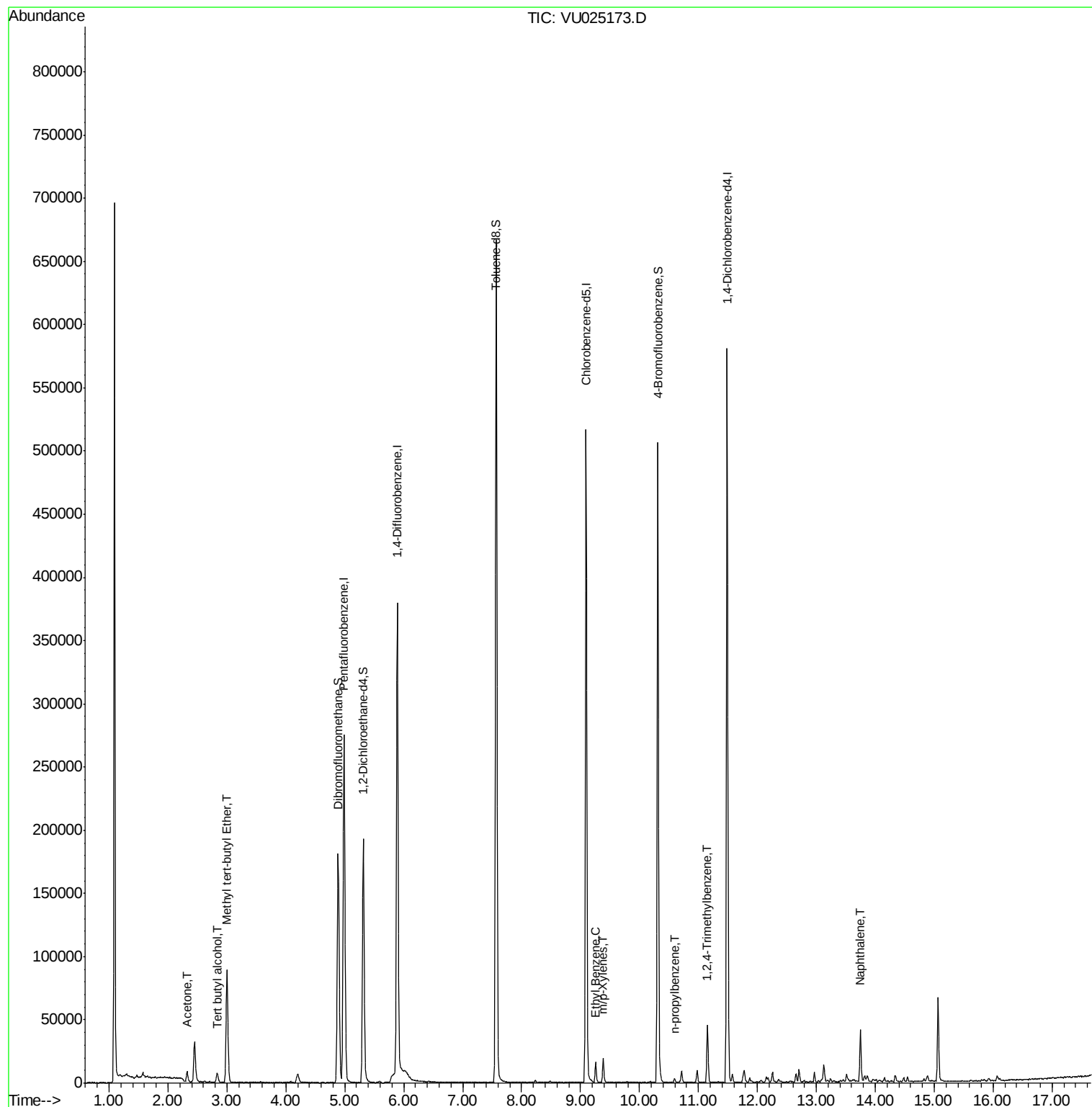
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	7654	9.02	ug/l	# 72
16) Acetone	2.33	43	8589	4.58	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	95733	10.46	ug/l	96
67) Ethyl Benzene	9.26	91	11985	0.93	ug/l	93
68) m/p-Xylenes	9.38	106	5250	1.06	ug/l	93
78) n-propylbenzene	10.60	91	3322	0.24	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	24943	2.38	ug/l	100
95) Naphthalene	13.75	128	32593	3.51	ug/l	98

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

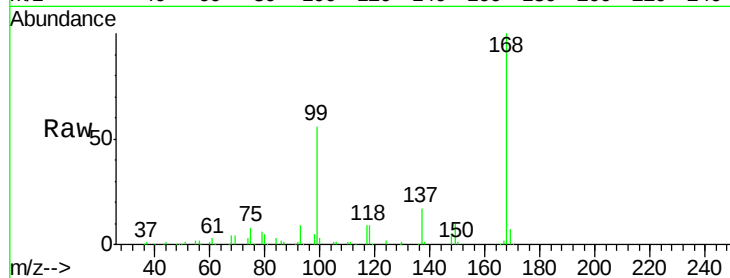
MW-13-062818

Tot Ion:168 Resp: 213758

Ion Ratio Lower Upper

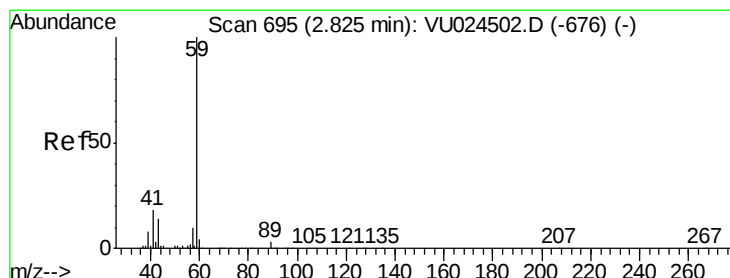
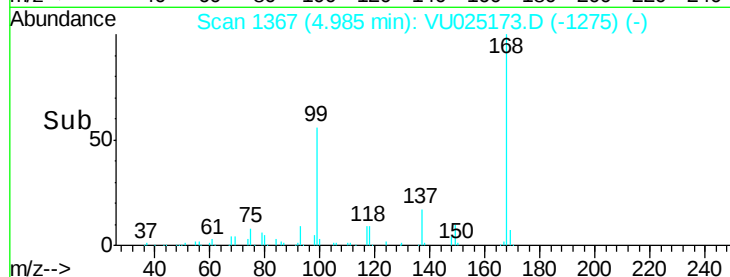
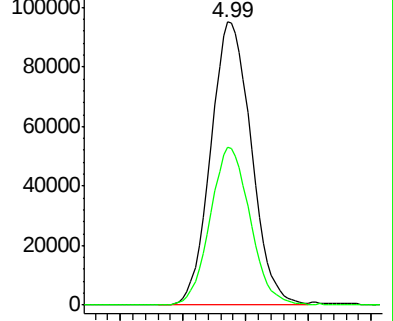
168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#11

Tert butyl alcohol

Concen: 9.02 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025173.D

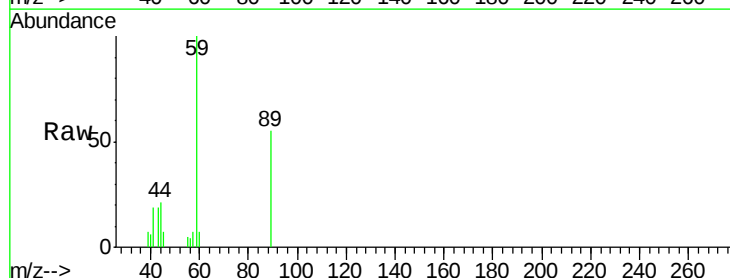
Acq: 03 Jul 2018 04:38

Tgt Ion: 59 Resp: 7654

Ion Ratio Lower Upper

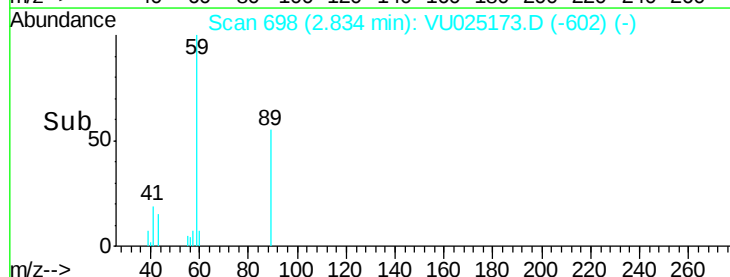
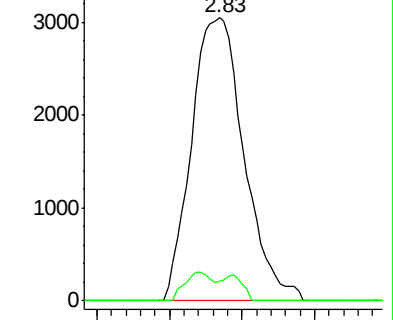
59 100

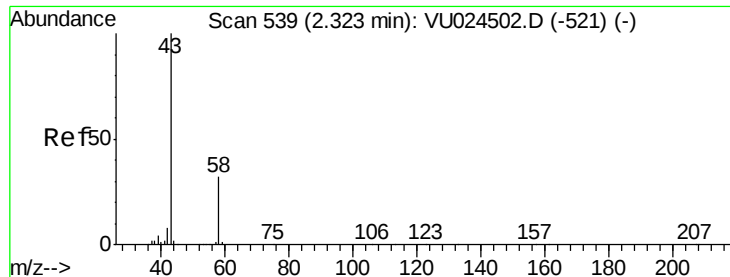
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.58 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

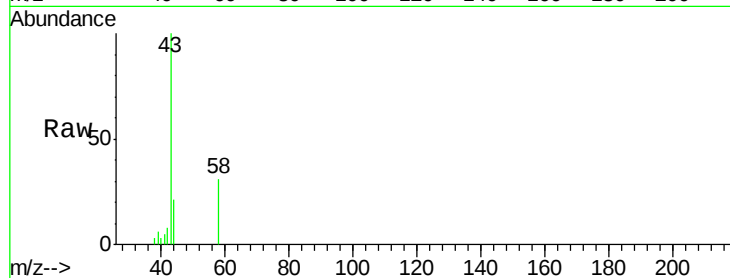
MW-13-062818

Tot Ion: 43 Resp: 8589

Ion Ratio Lower Upper

43 100

58 31.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU025173.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025173.D (-446) (-)

2.33

6000

5000

4000

3000

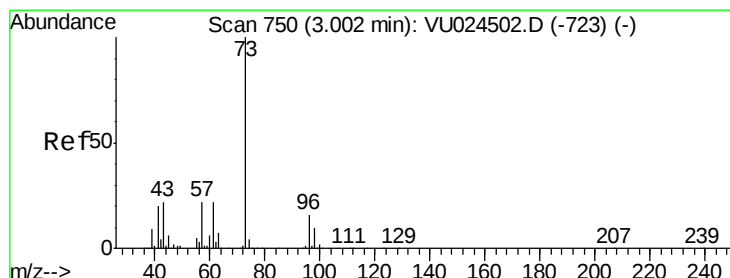
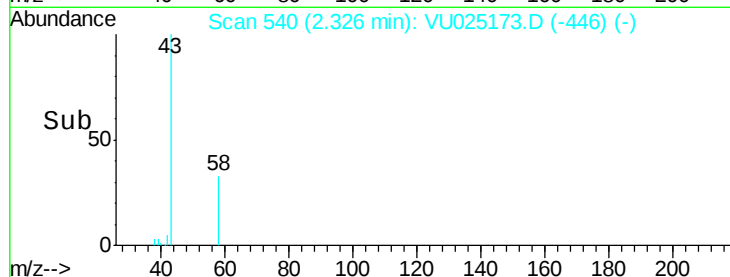
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#19

Methyl tert-butyl Ether

Concen: 10.46 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025173.D

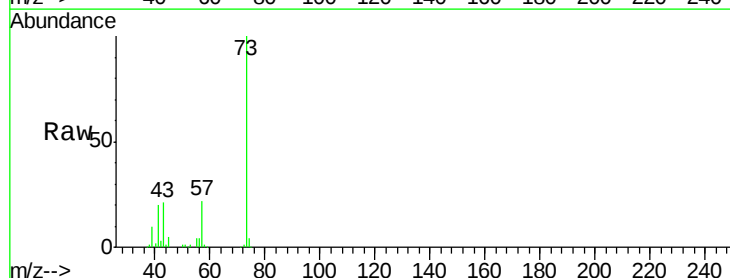
Acq: 03 Jul 2018 04:38

Tgt Ion: 73 Resp: 95733

Ion Ratio Lower Upper

73 100

57 21.5 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU025173.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU025173.D (-657) (-)

3.00

50000

40000

30000

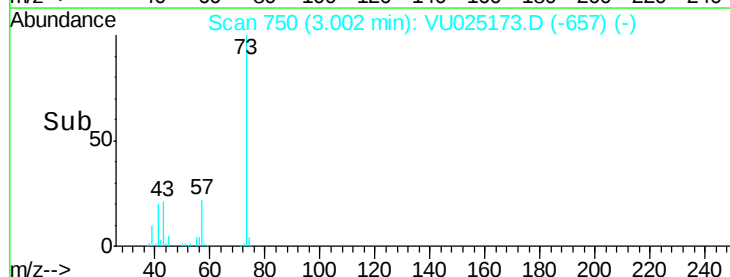
20000

10000

0

Time-->

2.90 2.95 3.00 3.05 3.10

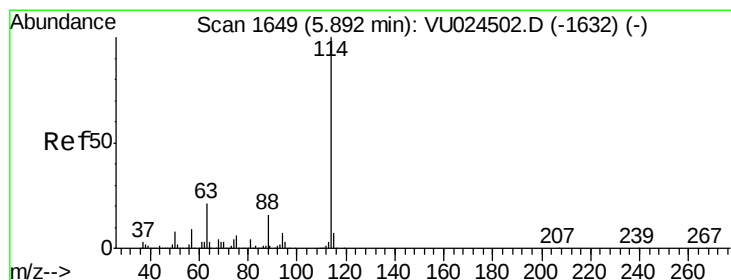
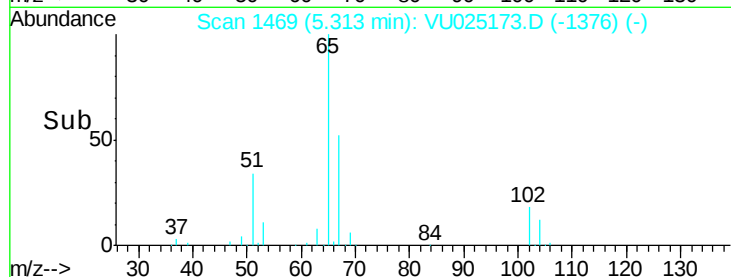
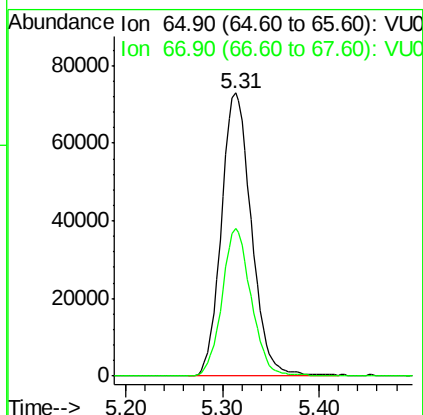
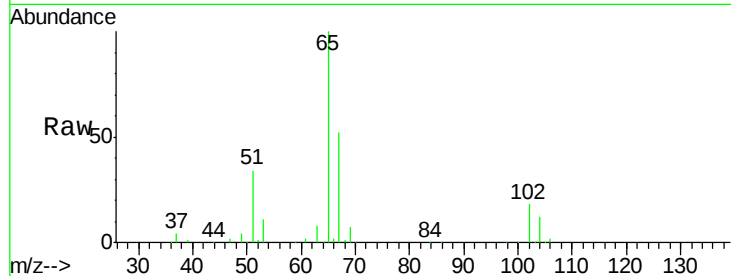




#33
 1,2-Dichloroethane-d4
 Concen: 45.23 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025173.D
 Acq: 03 Jul 2018 04:38

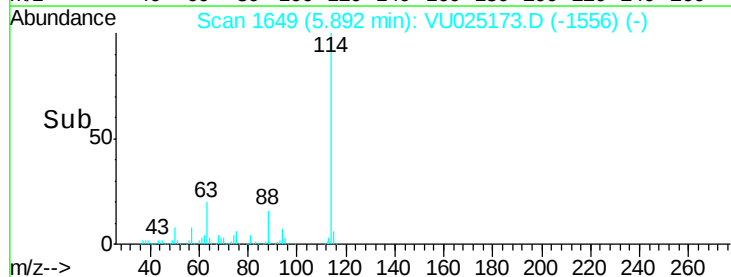
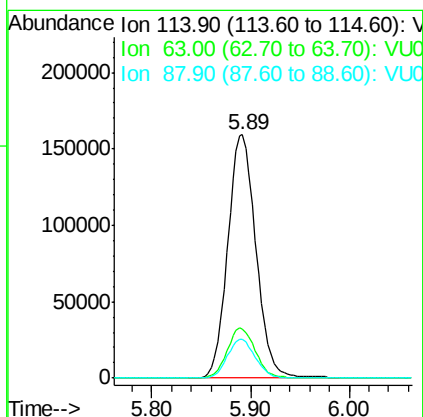
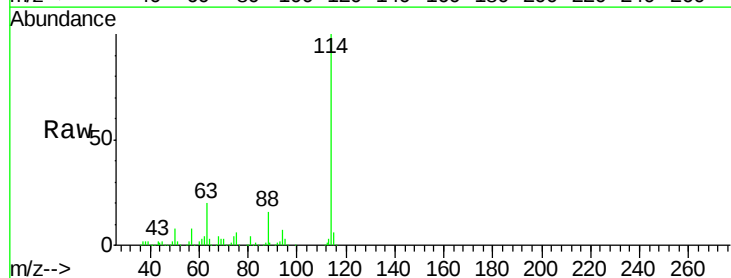
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-13-062818

Tot Ion: 65 Resp: 157823
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025173.D
 Acq: 03 Jul 2018 04:38

Tgt Ion: 114 Resp: 318175
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.56 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

MW-13-062818

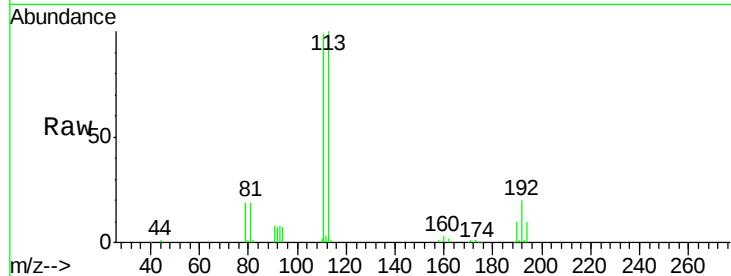
Tot Ion:113 Resp: 122949

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

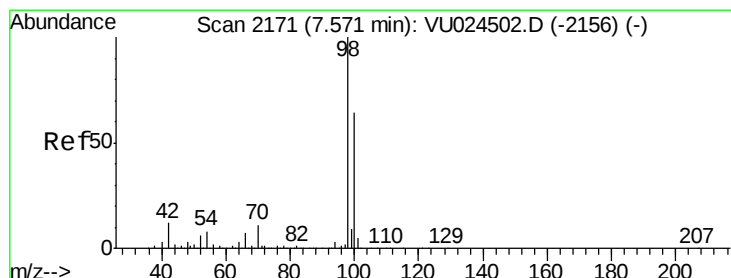
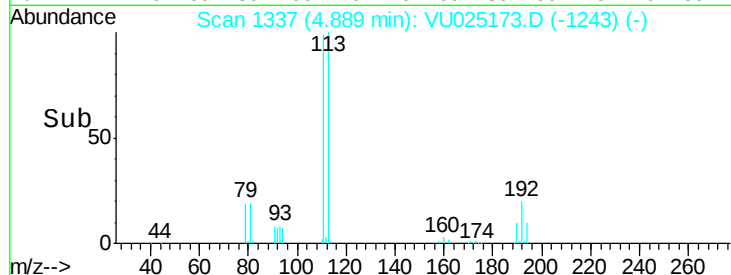
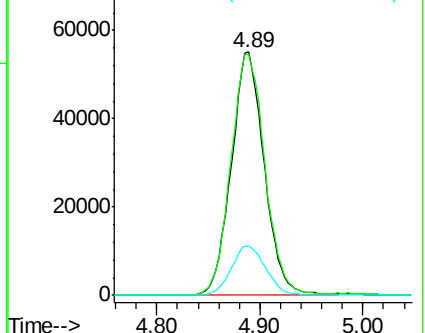
192 21.1 16.2 24.4



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



#50

Toluene-d8

Concen: 46.74 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025173.D

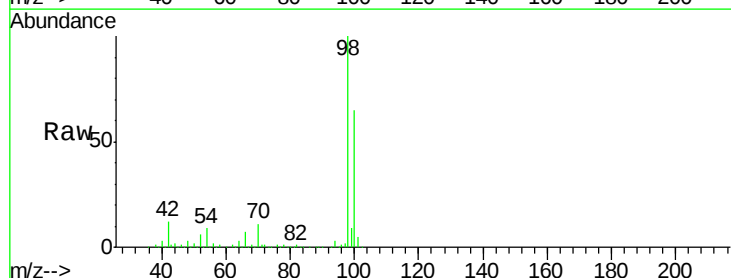
Acq: 03 Jul 2018 04:38

Tgt Ion: 98 Resp: 450237

Ion Ratio Lower Upper

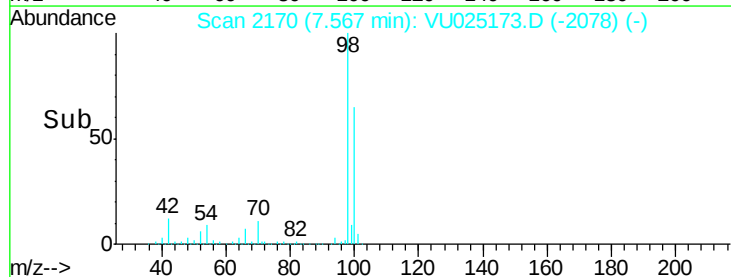
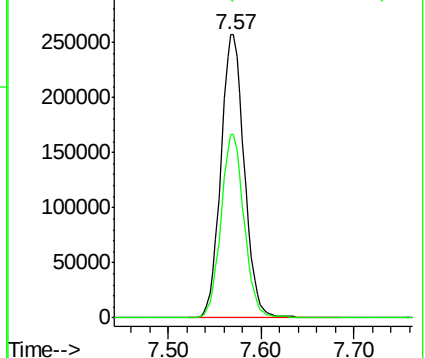
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

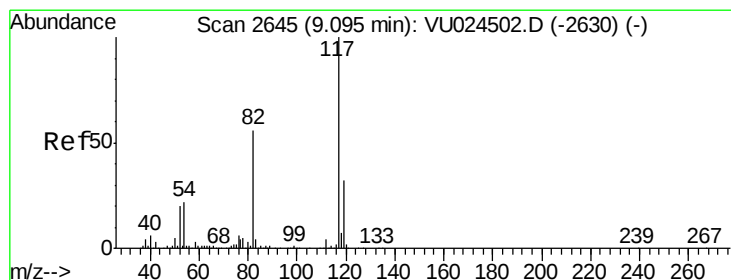
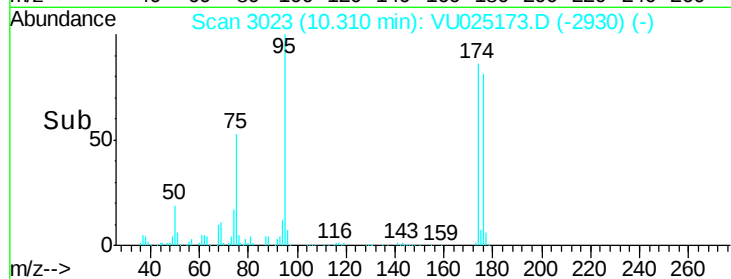
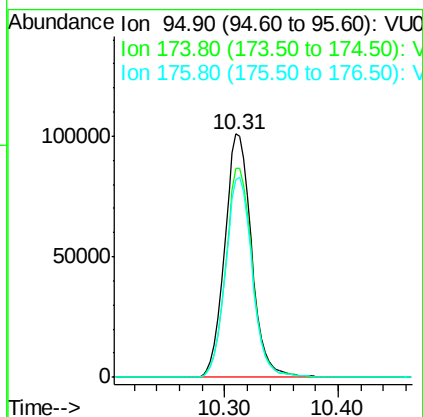
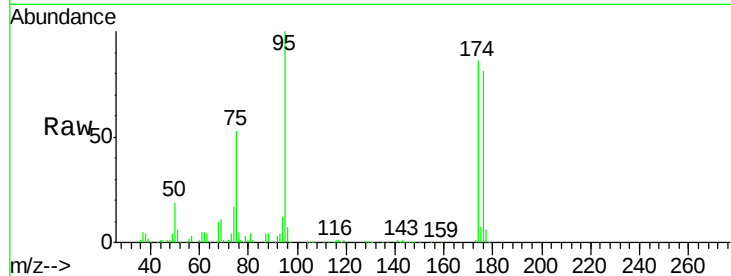




#62
4-Bromofluorobenzene
Concen: 43.54 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025173.D
Acq: 03 Jul 2018 04:38

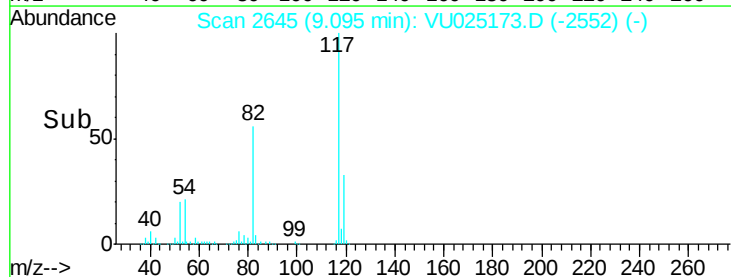
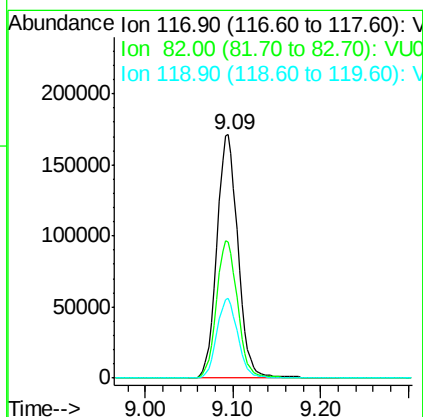
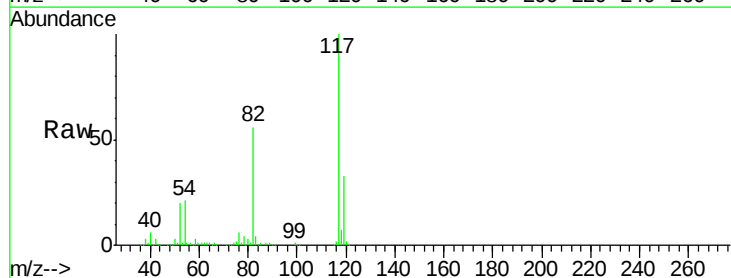
Instrument :
MSVOA_U
ClientSampleId :
MW-13-062818

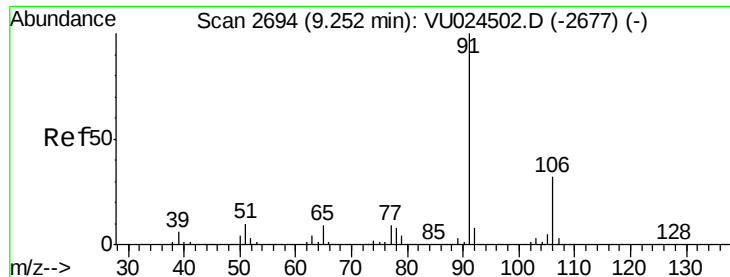
Tot Ion	95	Resp	166513
Ion Ratio	Lower	Upper	
95	100		
174	85.2	0.0	165.8
176	82.0	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025173.D
Acq: 03 Jul 2018 04:38

Tgt Ion	117	Resp	286902
Ion Ratio	Lower	Upper	
117	100		
82	56.0	44.3	66.5
119	32.7	25.4	38.2





#67

Ethyl Benzene

Concen: 0.93 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

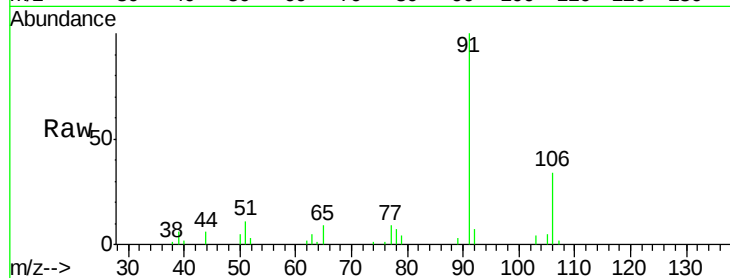
MW-13-062818

Tot Ion: 91 Resp: 11985

Ion Ratio Lower Upper

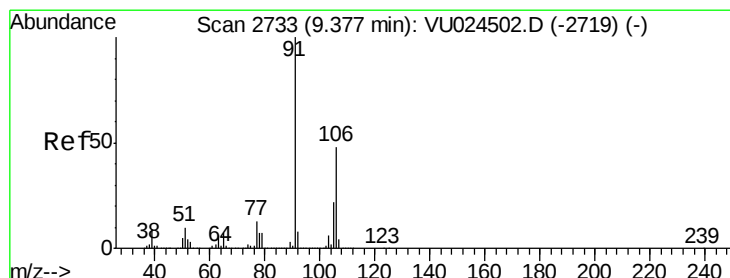
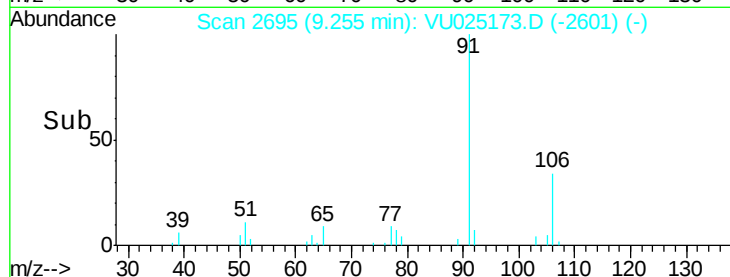
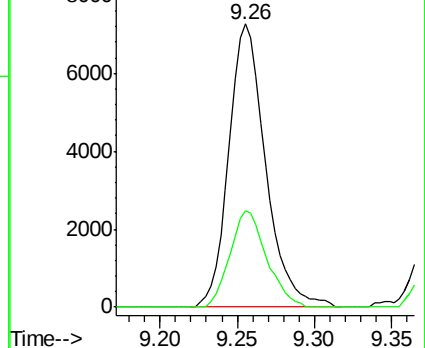
91 100

106 34.3 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU025173.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025173.D (-2601) (-)



#68

m/p-Xylenes

Concen: 1.06 ug/l

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU025173.D

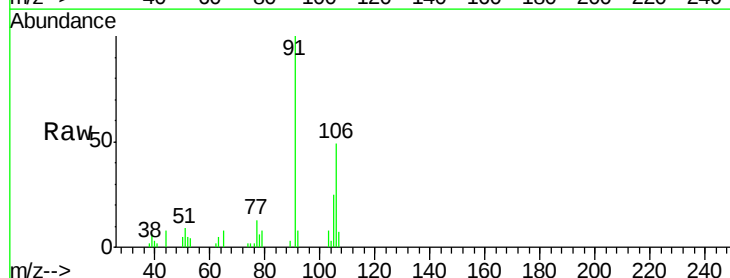
Acq: 03 Jul 2018 04:38

Tgt Ion: 106 Resp: 5250

Ion Ratio Lower Upper

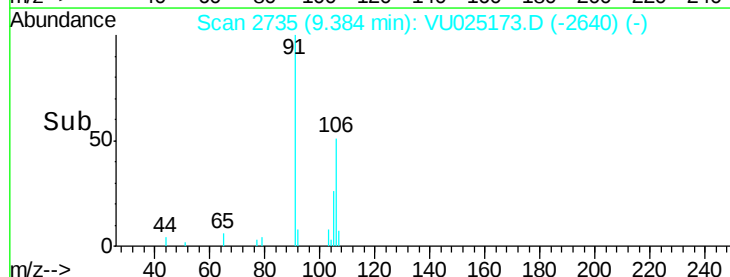
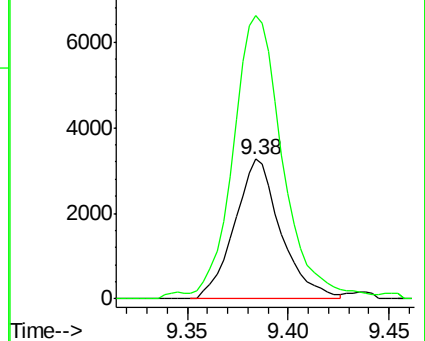
106 100

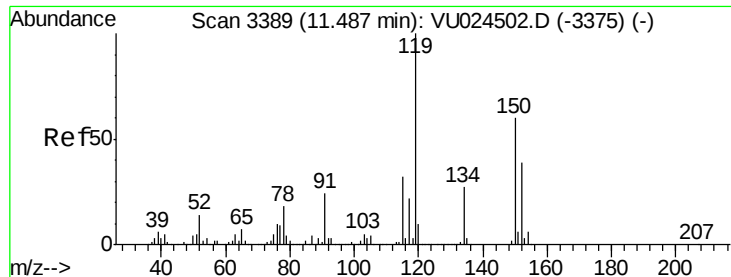
91 219.2 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU025173.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025173.D (-2640) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

MW-13-062818

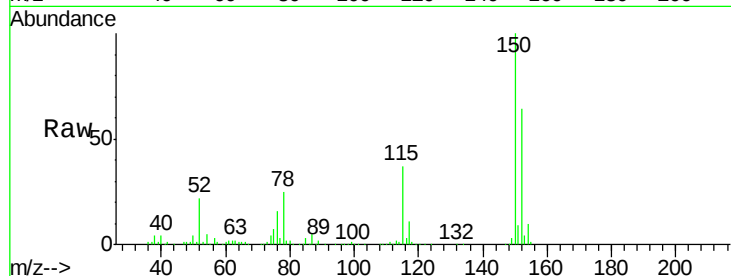
Tot Ion:152 Resp: 154345

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

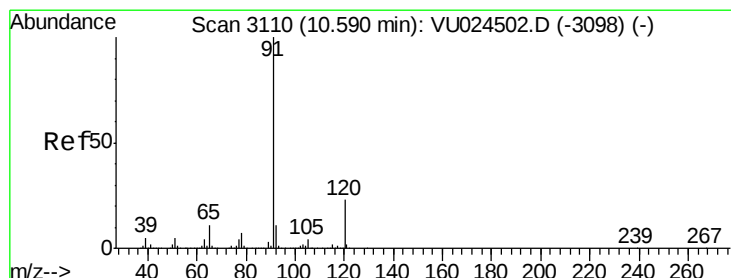
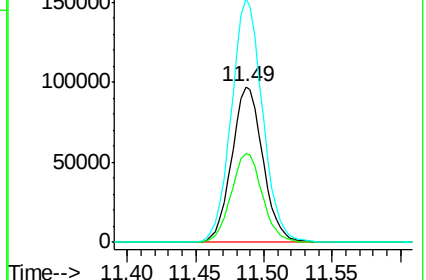
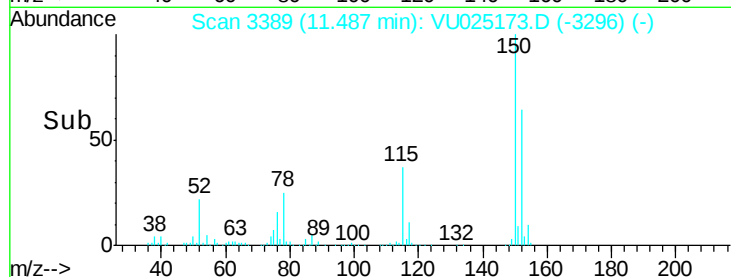
150 156.1 0.0 354.0



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



#78

n-propylbenzene

Concen: 0.24 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU025173.D

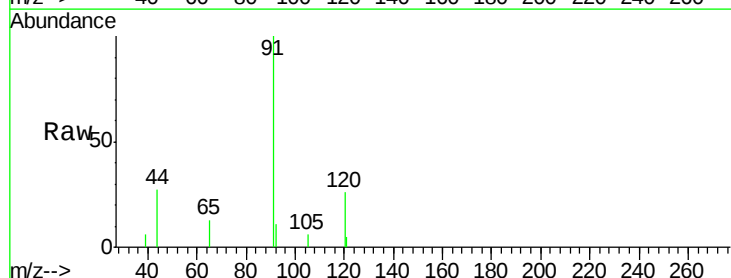
Acq: 03 Jul 2018 04:38

Tgt Ion: 91 Resp: 3322

Ion Ratio Lower Upper

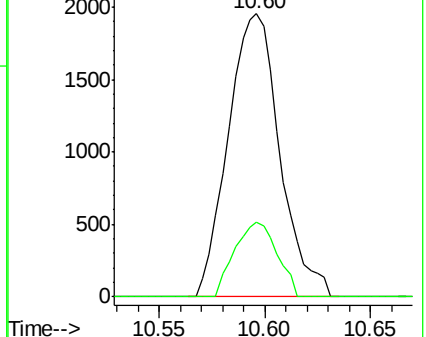
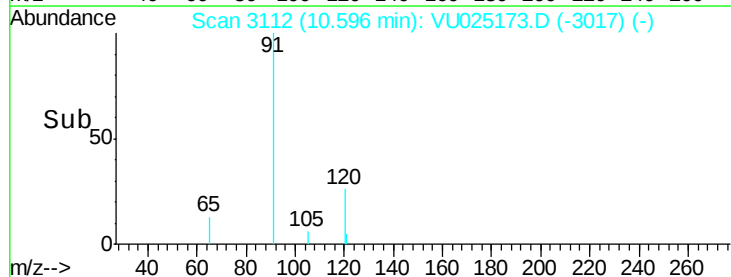
91 100

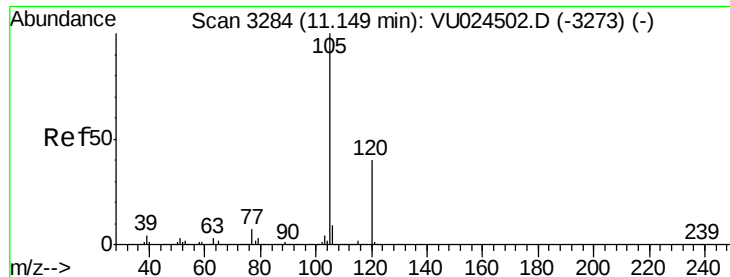
120 21.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.38 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

Instrument :

MSVOA_U

ClientSampleId :

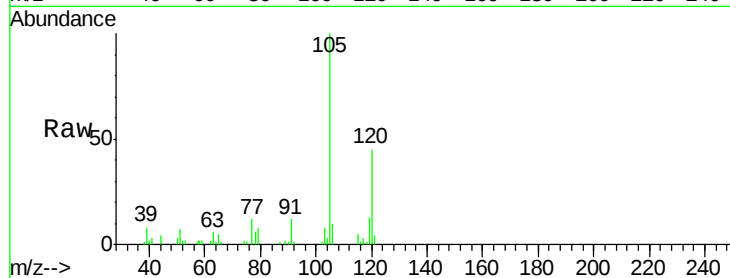
MW-13-062818

Tot Ion:105 Resp: 24943

Ion Ratio Lower Upper

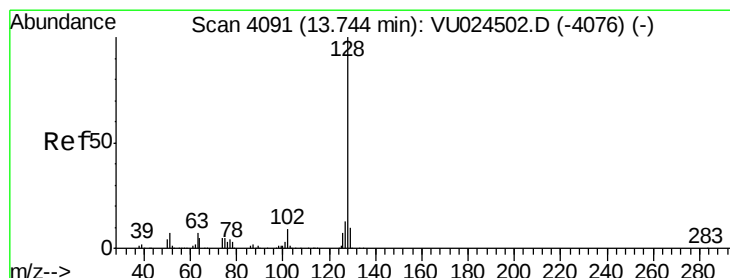
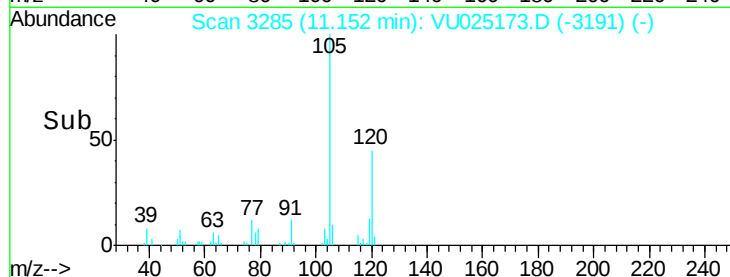
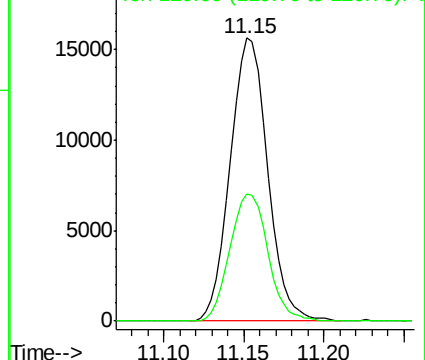
105 100

120 45.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.51 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025173.D

Acq: 03 Jul 2018 04:38

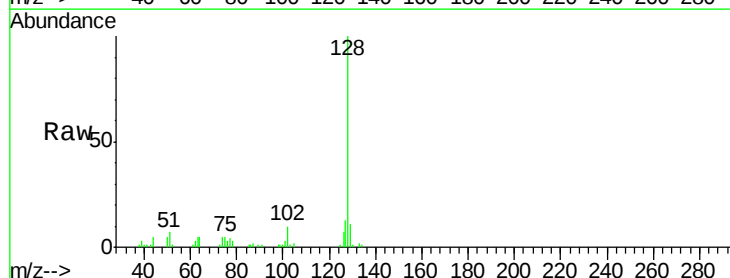
Tgt Ion:128 Resp: 32593

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.4 8.6 12.8



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

