

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024696.D
 Acq On : 18 Jun 2018 17:01
 Operator : MD/SY
 Sample : J3463-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-12-9.0-061218

Quant Time: Jun 19 06:49:38 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

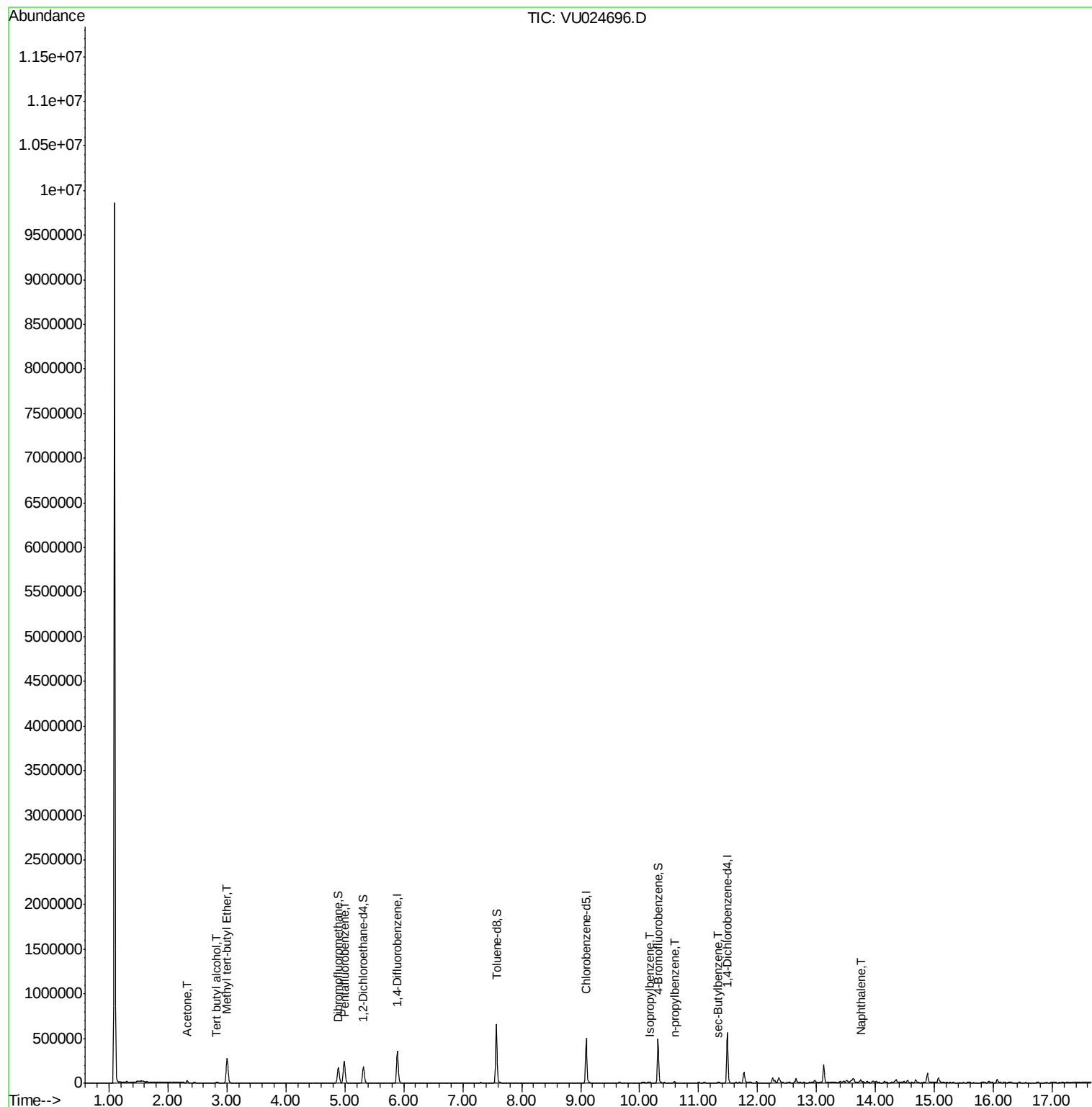
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	194102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312812	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150341	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	140904	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.94%	
35) Dibromofluoromethane	4.89	113	122699	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
50) Toluene-d8	7.57	98	449398	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	10.31	95	159949	42.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.08%	
Target Compounds						
11) Tert butyl alcohol	2.83	59	16478	21.38	ug/l	94
16) Acetone	2.32	43	24801	14.57	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	297586	35.82	ug/l	96
73) Isopropylbenzene	10.17	105	7402	0.64	ug/l	94
78) n-propylbenzene	10.59	91	12396	0.91	ug/l	97
85) sec-Butylbenzene	11.33	105	3979	0.33	ug/l	99
95) Naphthalene	13.75	128	24457	2.86	ug/l	98

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

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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# 1368

Delta R.T. -0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

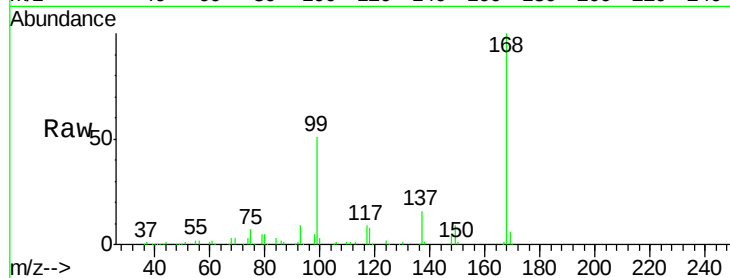
T11-MW-12-9.0-061218

Tot Ion:168 Resp: 194102

Ion Ratio Lower Upper

168 100

99 51.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

80000

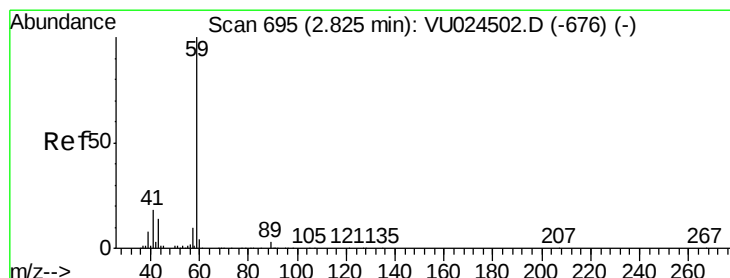
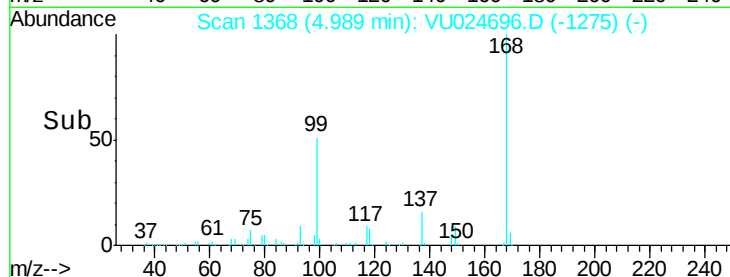
60000

40000

20000

0

Time--> 4.90 4.95 5.00 5.05 5.10



#11

Tert butyl alcohol

Concen: 21.38 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU024696.D

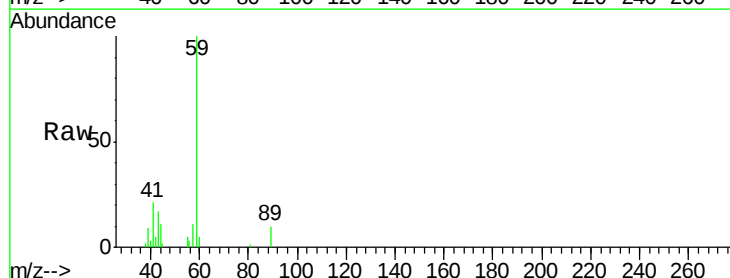
Acq: 18 Jun 2018 17:01

Tgt Ion: 59 Resp: 16478

Ion Ratio Lower Upper

59 100

57 12.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

8000

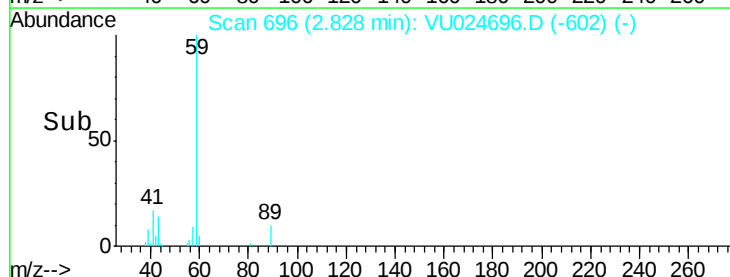
6000

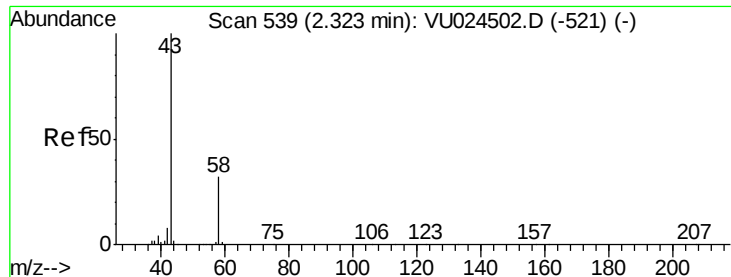
4000

2000

0

Time--> 2.75 2.80 2.85 2.90





#16

Acetone

Concen: 14.57 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

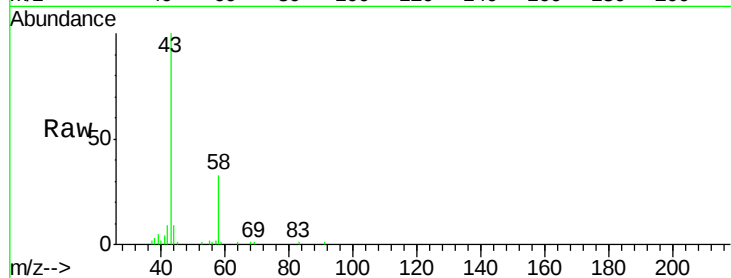
T11-MW-12-9.0-061218

Tot Ion: 43 Resp: 24801

Ion Ratio Lower Upper

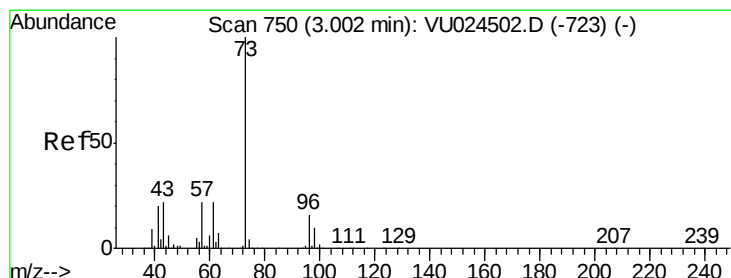
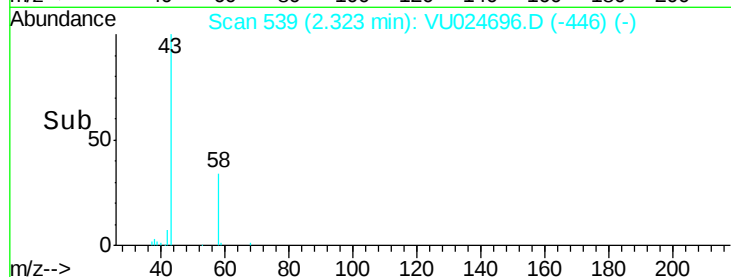
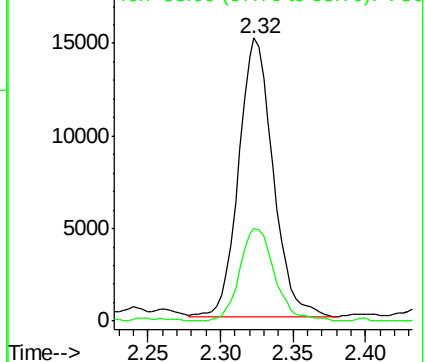
43 100

58 33.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#19

Methyl tert-butyl Ether

Concen: 35.82 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024696.D

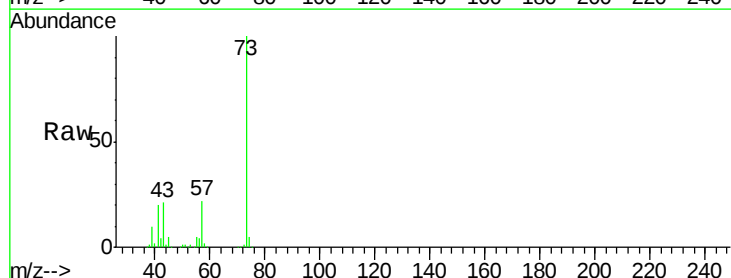
Acq: 18 Jun 2018 17:01

Tgt Ion: 73 Resp: 297586

Ion Ratio Lower Upper

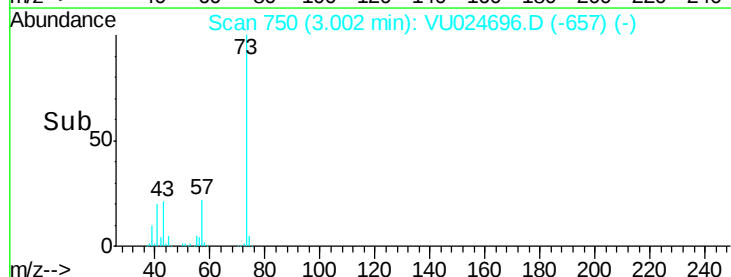
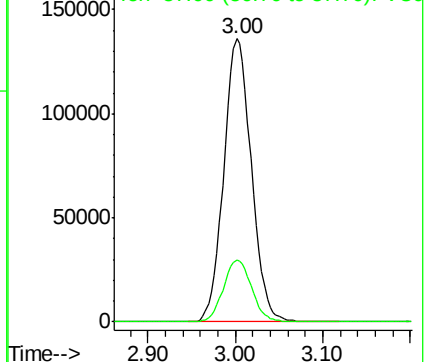
73 100

57 21.7 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 44.47 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

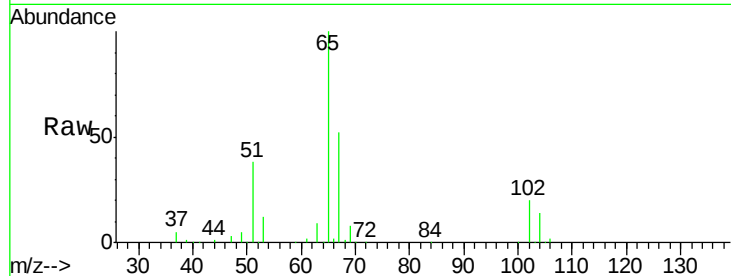
T11-MW-12-9.0-061218

Tot Ion: 65 Resp: 140904

Ion Ratio Lower Upper

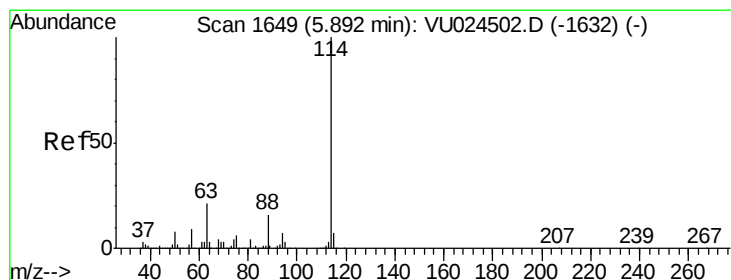
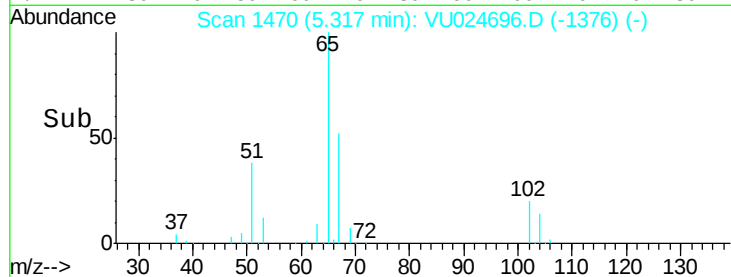
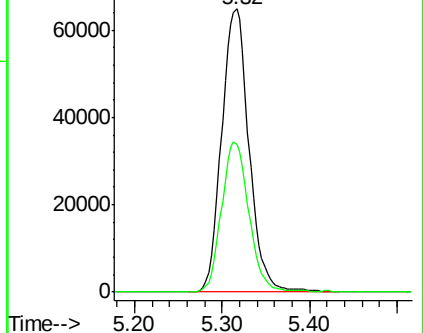
65 100

67 52.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

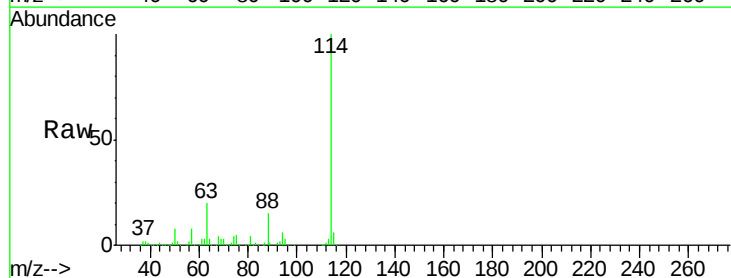
Tgt Ion: 114 Resp: 312812

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

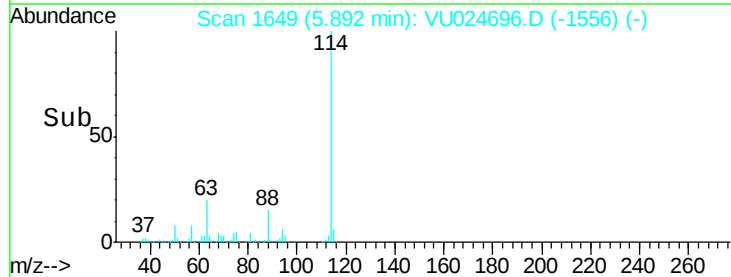
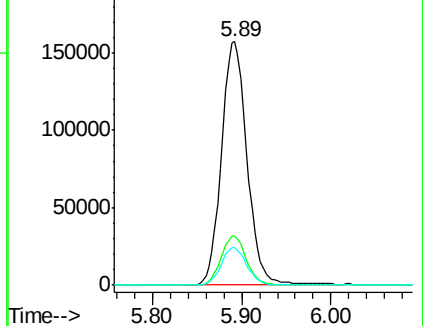
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024502.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU024502.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU024502.D (-1632) (-)

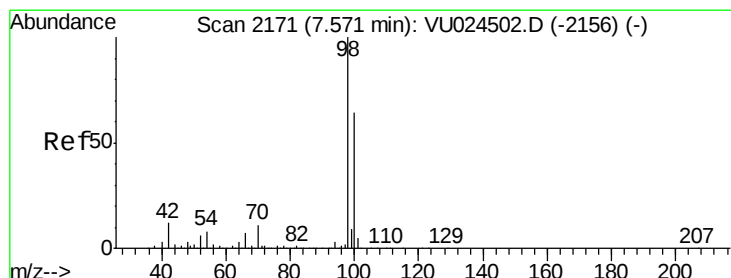
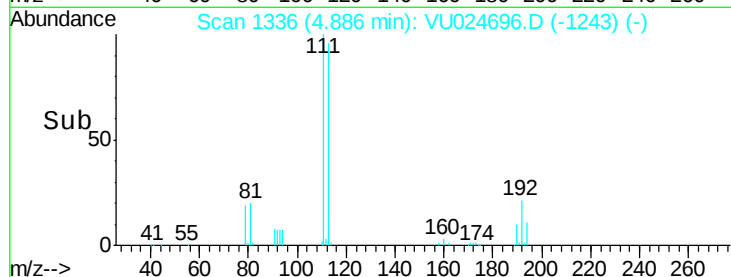
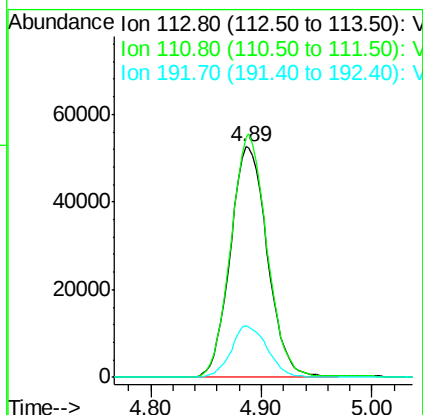
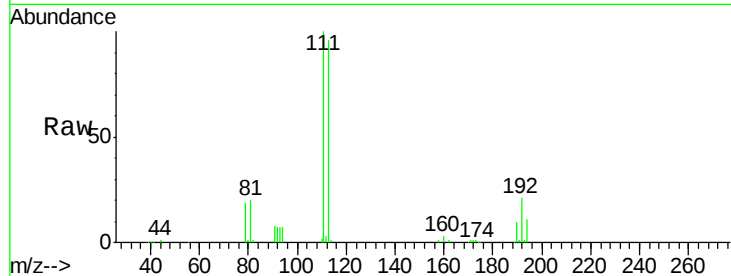




#35
 Dibromofluoromethane
 Concen: 47.26 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024696.D
 Acq: 18 Jun 2018 17:01

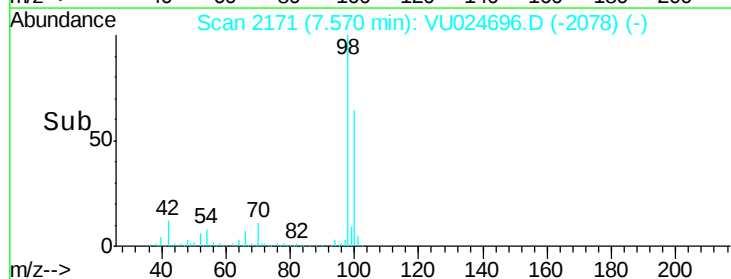
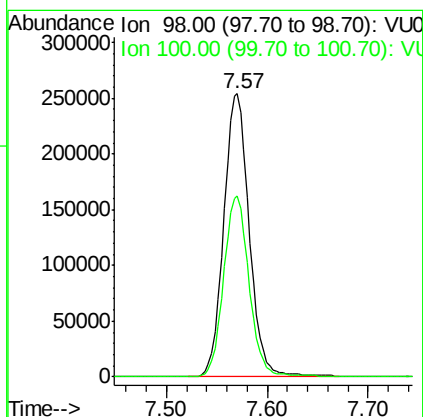
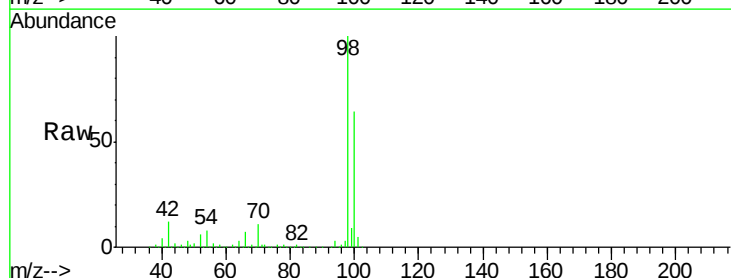
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-12-9.0-061218

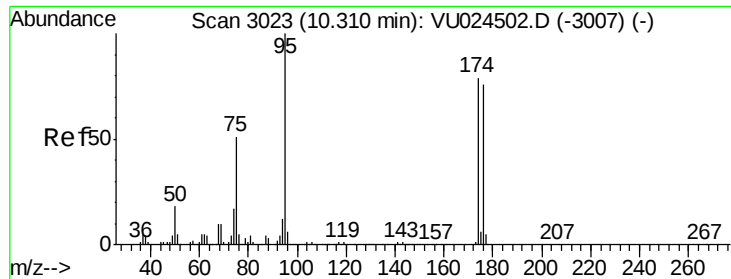
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.8	16.2	24.4



#50
 Toluene-d8
 Concen: 47.46 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024696.D
 Acq: 18 Jun 2018 17:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7

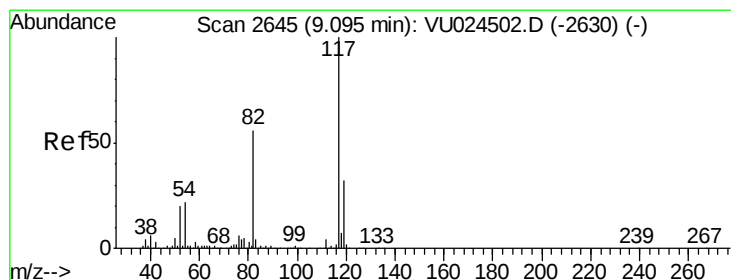
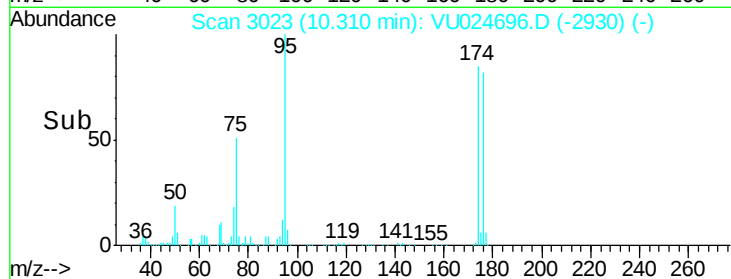
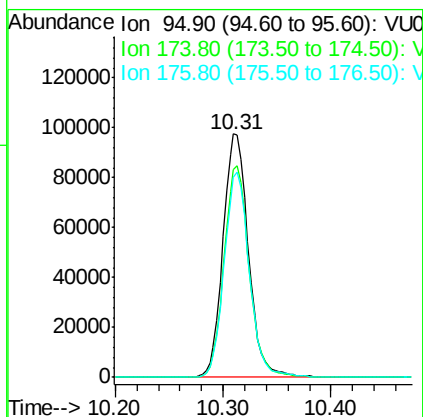
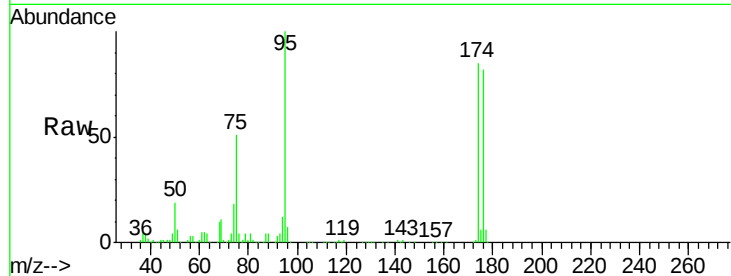




#62
4-Bromofluorobenzene
Concen: 42.54 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024696.D
Acq: 18 Jun 2018 17:01

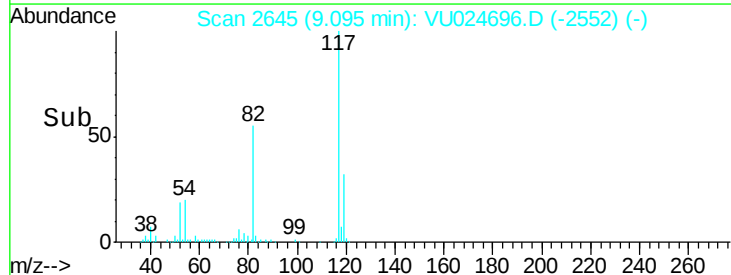
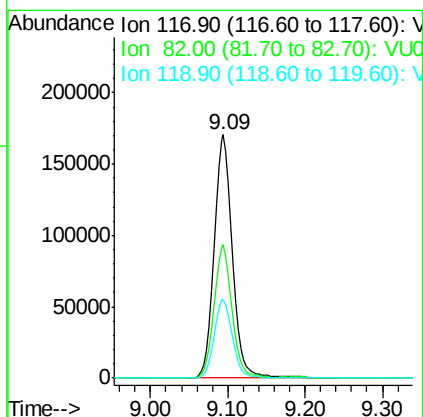
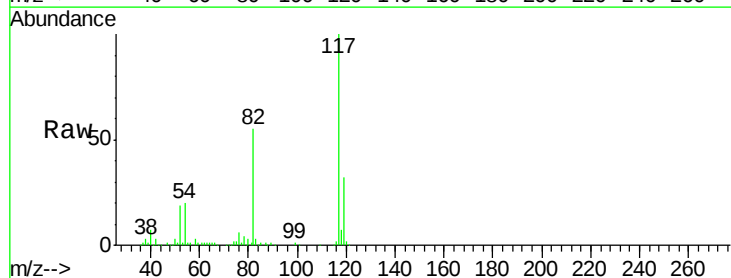
Instrument :
MSVOA_U
ClientSampleId :
T11-MW-12-9.0-061218

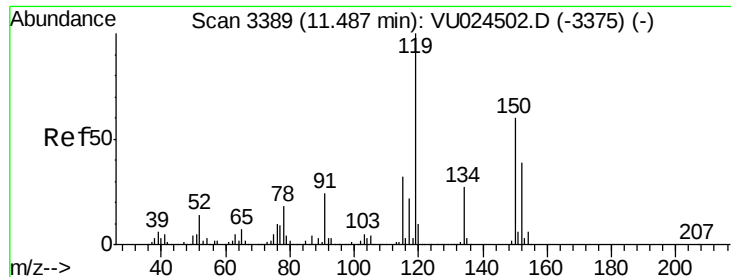
Tot Ion: 95 Resp: 159949
Ion Ratio Lower Upper
95 100
174 85.8 0.0 165.8
176 83.3 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024696.D
Acq: 18 Jun 2018 17:01

Tgt Ion: 117 Resp: 287612
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-12-9.0-061218

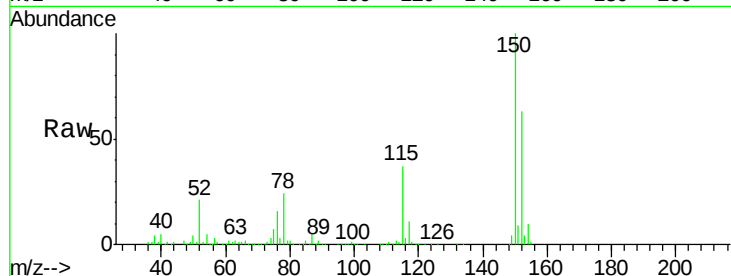
Tot Ion:152 Resp: 150341

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

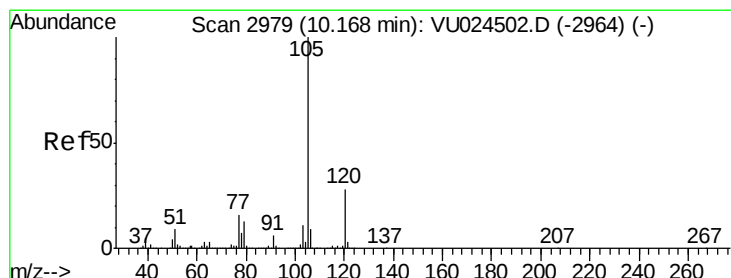
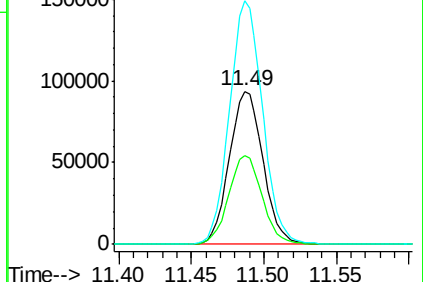
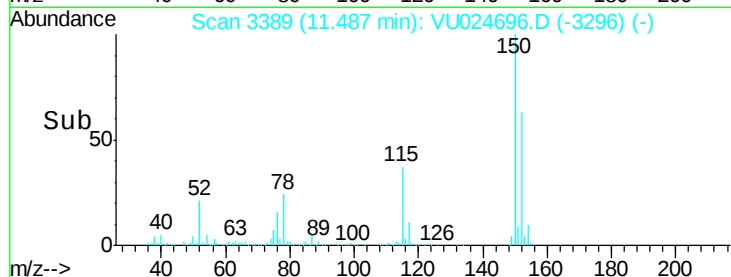
150 156.8 0.0 354.0



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



#73

Isopropylbenzene

Concen: 0.64 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024696.D

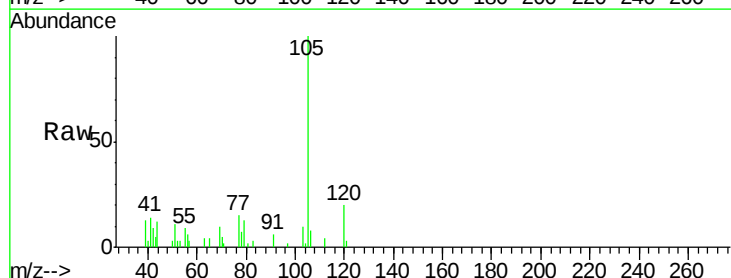
Acq: 18 Jun 2018 17:01

Tgt Ion:105 Resp: 7402

Ion Ratio Lower Upper

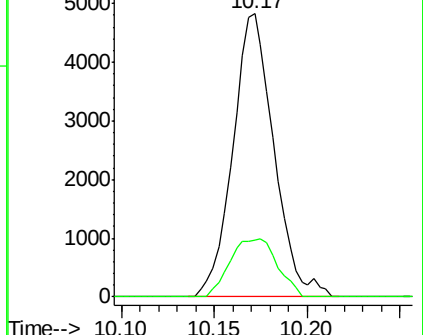
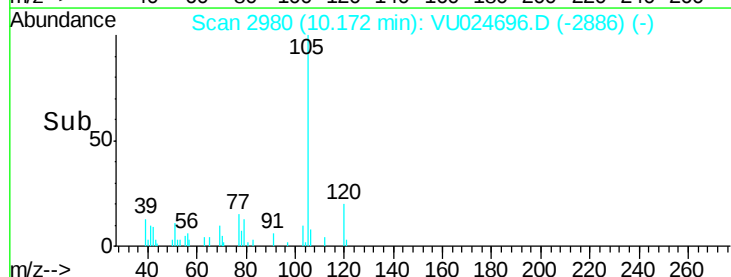
105 100

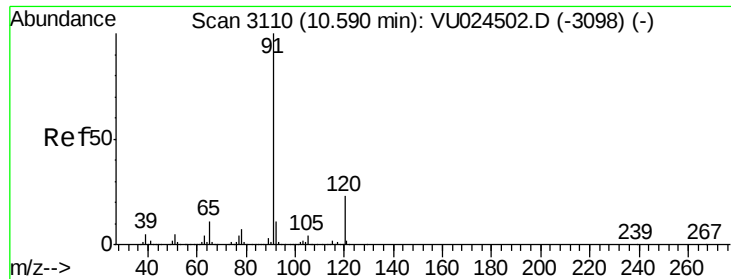
120 23.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.91 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

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ClientSampleId :

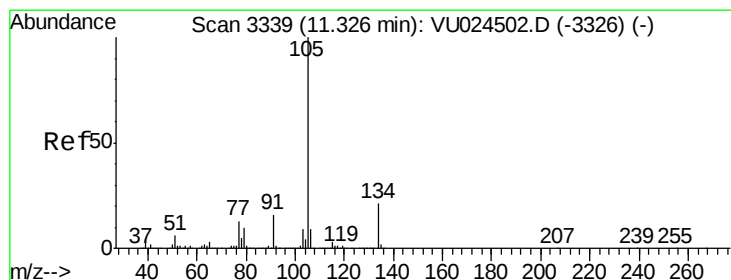
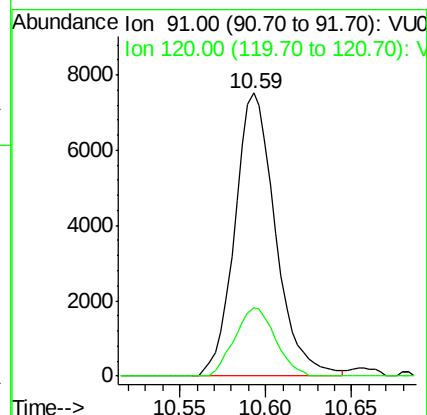
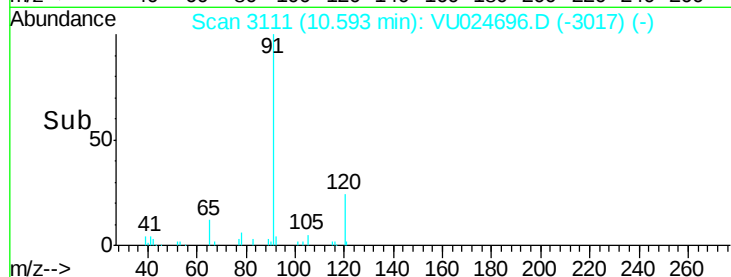
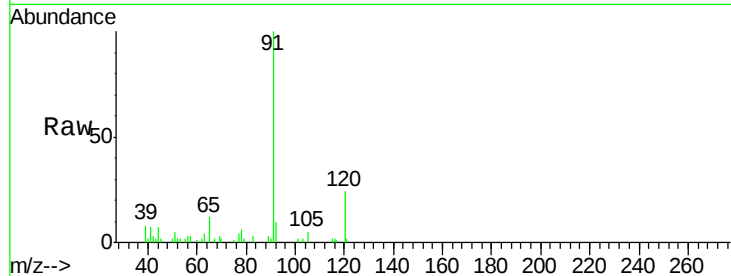
T11-MW-12-9.0-061218

Tot Ion: 91 Resp: 12396

Ion Ratio Lower Upper

91 100

120 23.9 11.2 33.5



#85

sec-Butylbenzene

Concen: 0.33 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU024696.D

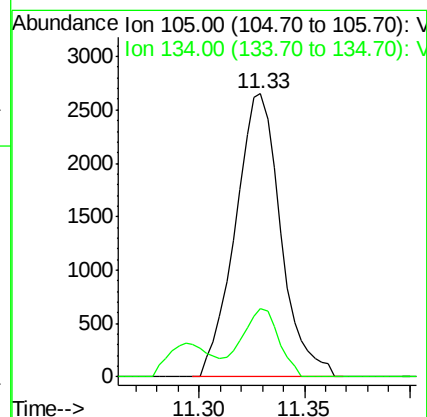
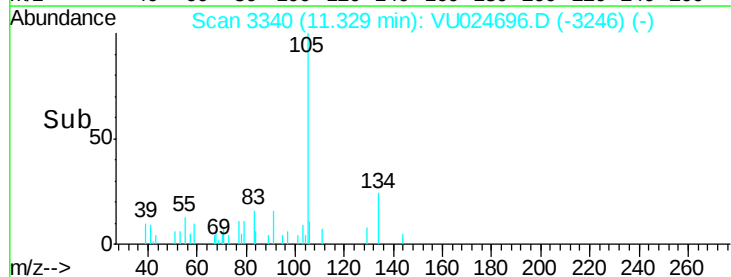
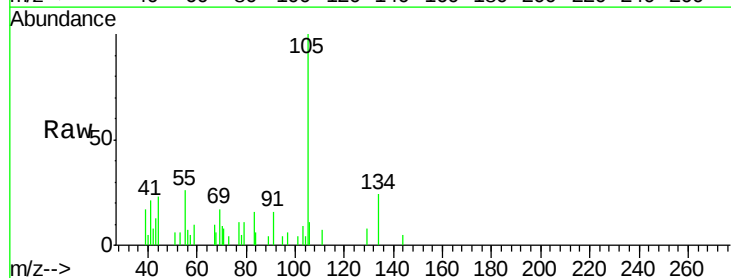
Acq: 18 Jun 2018 17:01

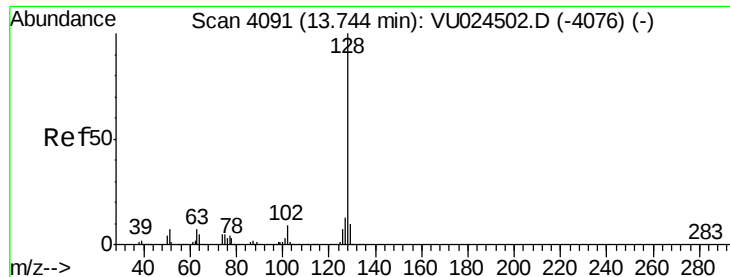
Tgt Ion: 105 Resp: 3979

Ion Ratio Lower Upper

105 100

134 20.0 9.7 29.1





#95

Naphthalene

Concen: 2.86 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024696.D

Acq: 18 Jun 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

T11-MW-12-9.0-061218

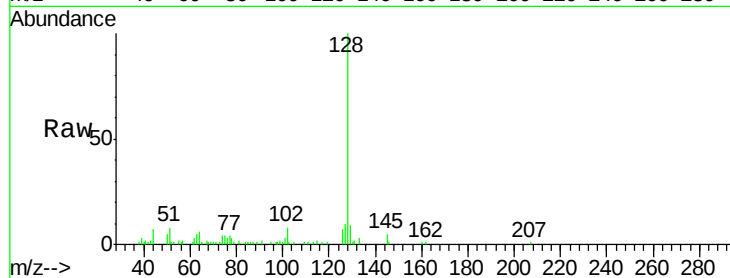
Tot Ion:128 Resp: 24457

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 12.3 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

