

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025127.D
 Acq On : 01 Jul 2018 08:10
 Operator : MD/SY
 Sample : J3789-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

Quant Time: Jul 02 08:32:15 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	202202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304975	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144880	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	154039	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
35) Dibromofluoromethane	4.89	113	120738	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
50) Toluene-d8	7.57	98	440577	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	10.31	95	162119	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	

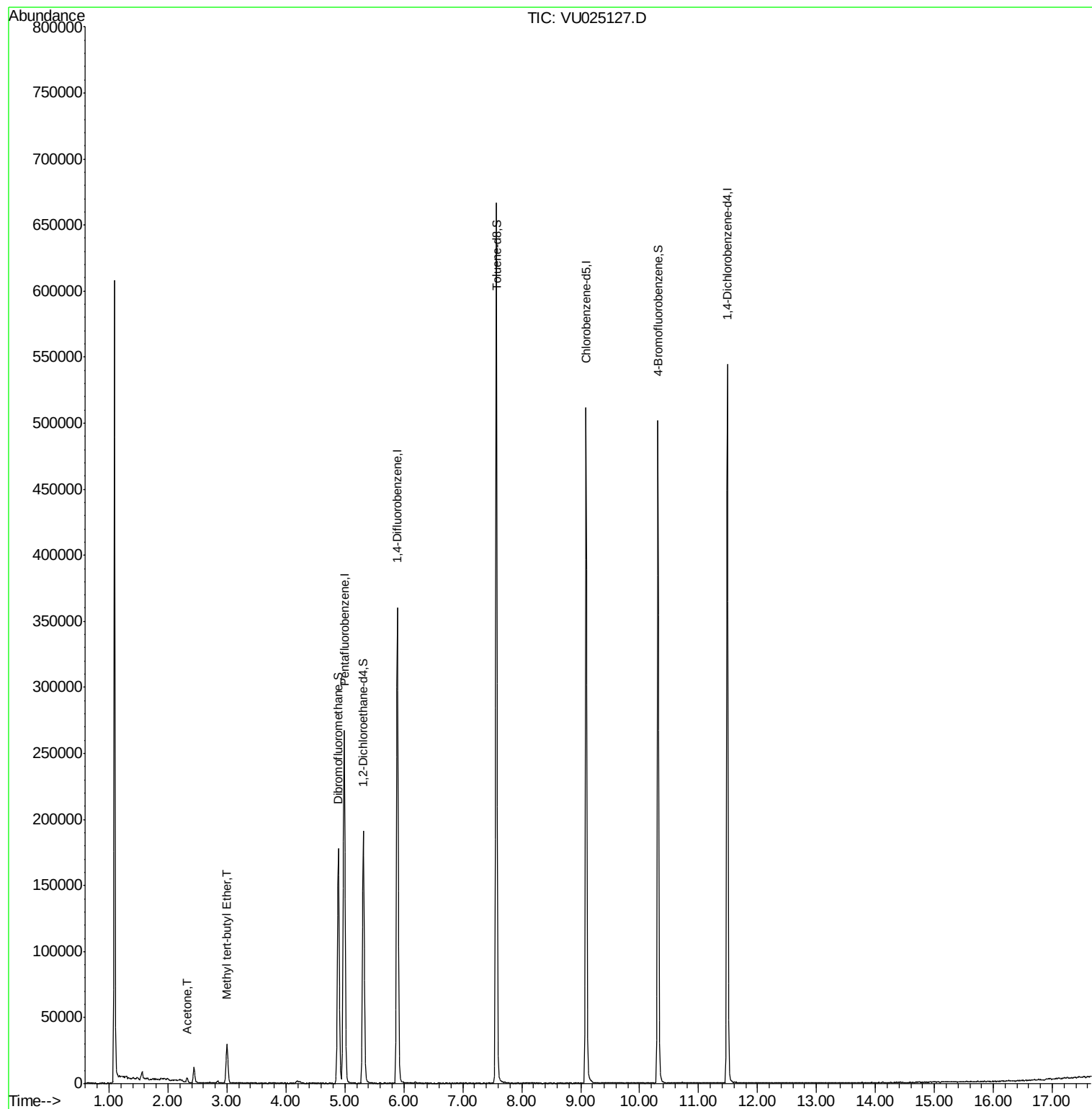
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	3933	2.22	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	30347	3.51	ug/l	97

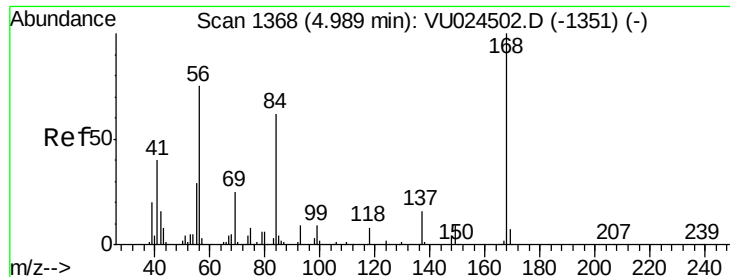
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampled :

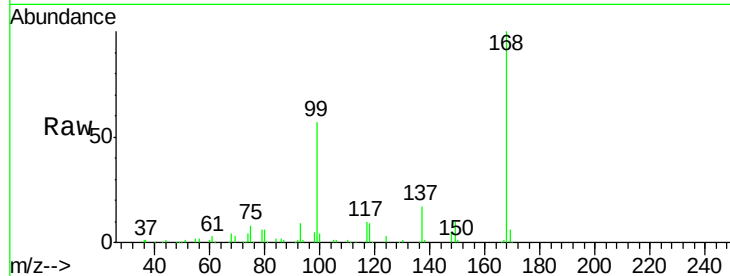
MW-5

Tot Ion:168 Resp: 202202

Ion Ratio Lower Upper

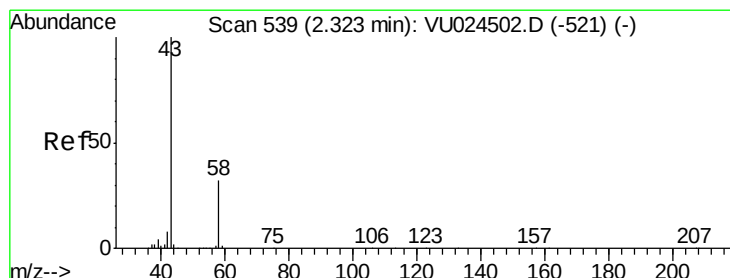
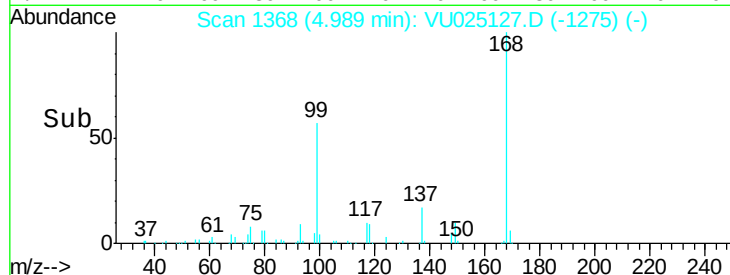
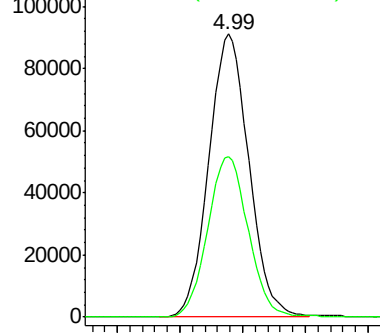
168 100

99 56.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#16

Acetone

Concen: 2.22 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025127.D

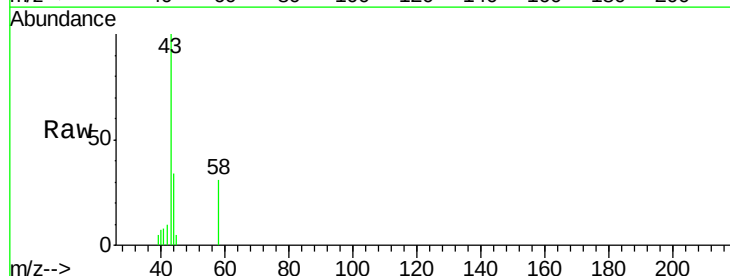
Acq: 01 Jul 2018 08:10

Tgt Ion: 43 Resp: 3933

Ion Ratio Lower Upper

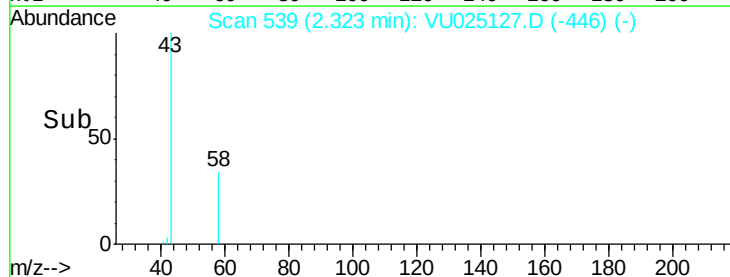
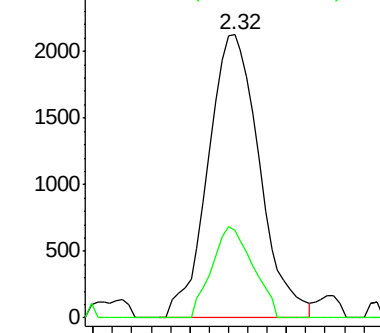
43 100

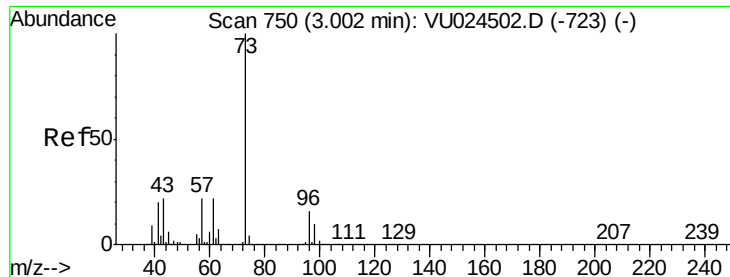
58 30.8 24.4 36.6



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: 3.51 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

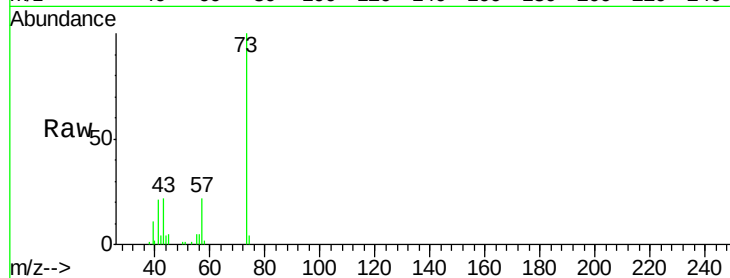
MW-5

Tot Ion: 73 Resp: 30347

Ion Ratio Lower Upper

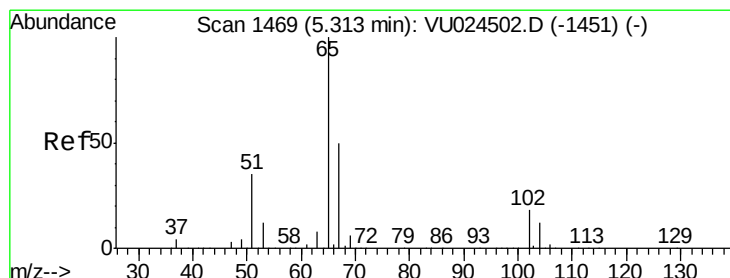
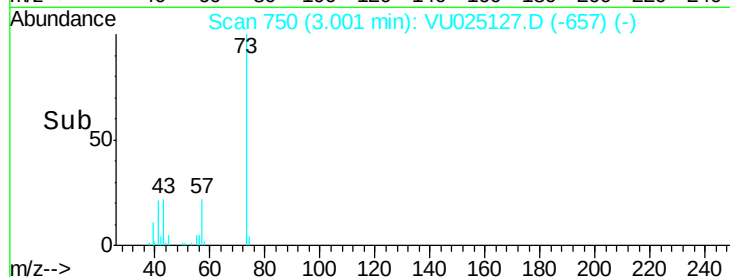
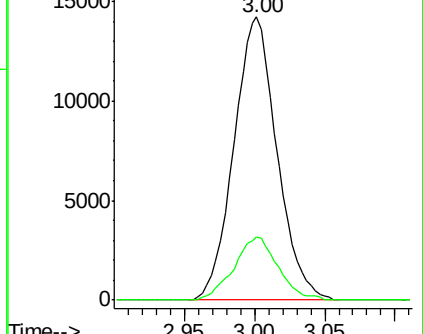
73 100

57 22.2 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: 46.66 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025127.D

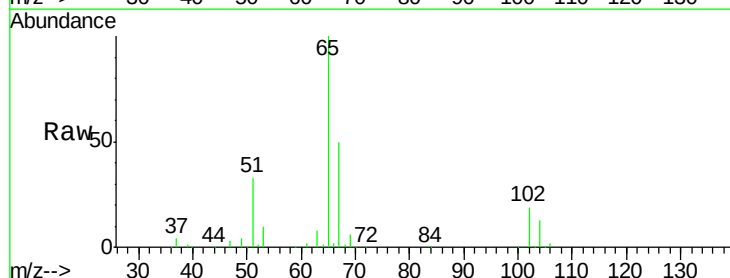
Acq: 01 Jul 2018 08:10

Tgt Ion: 65 Resp: 154039

Ion Ratio Lower Upper

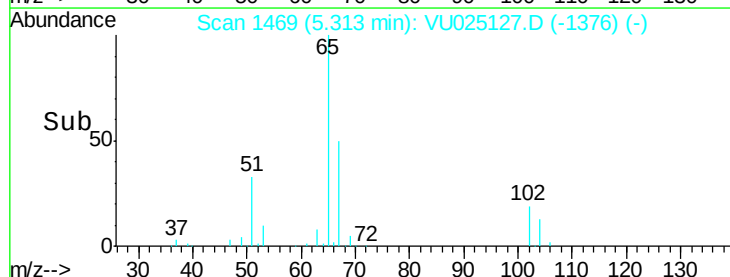
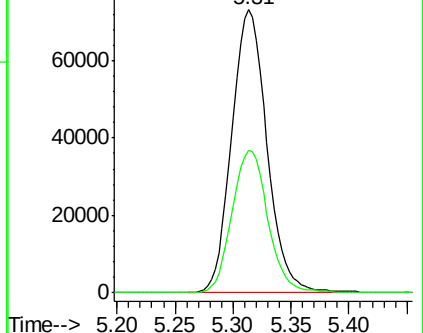
65 100

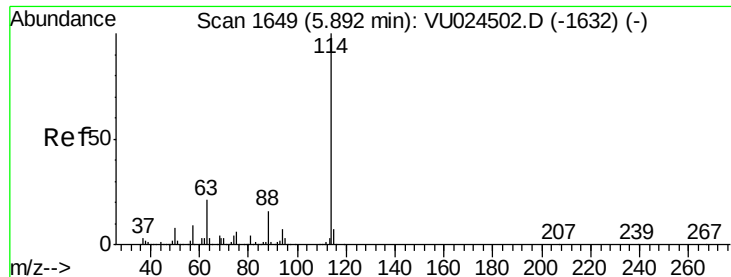
67 51.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

Instrument :

MSVOA_U

ClientSampleId :

MW-5

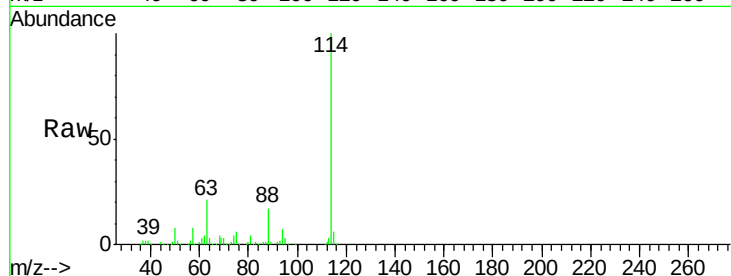
Tot Ion:114 Resp: 304975

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

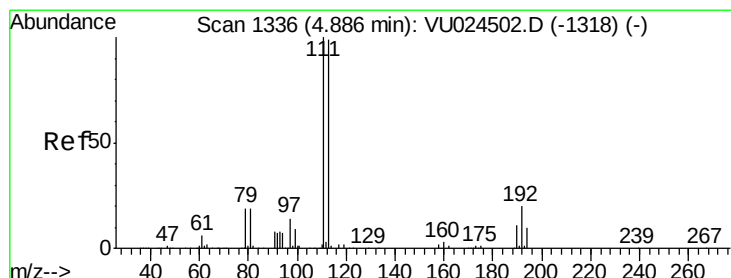
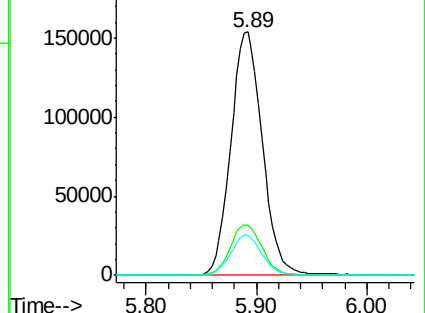
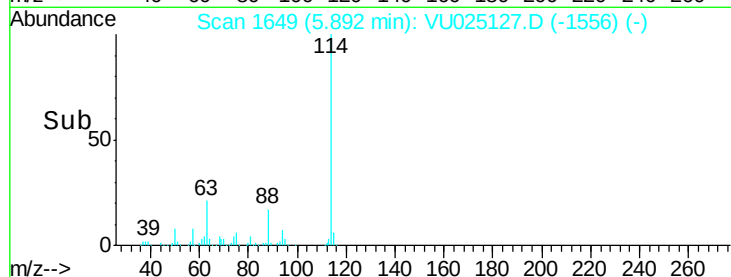
88 16.5 0.0 31.0



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: 47.70 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025127.D

Acq: 01 Jul 2018 08:10

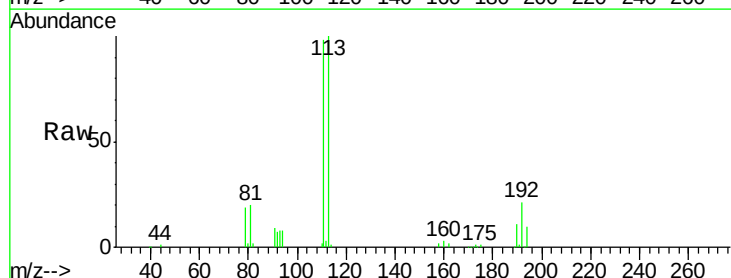
Tgt Ion:113 Resp: 120738

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

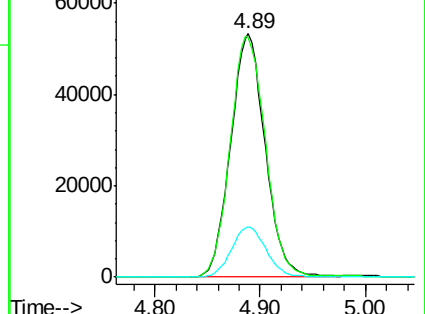
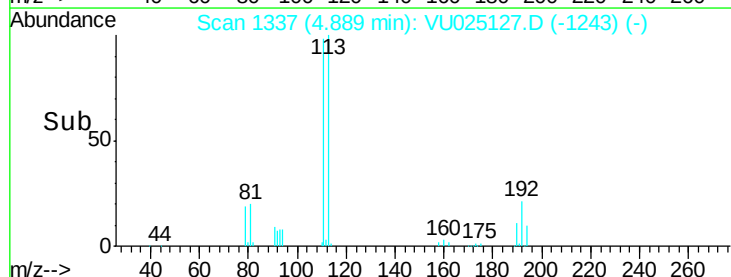
192 20.7 16.2 24.4

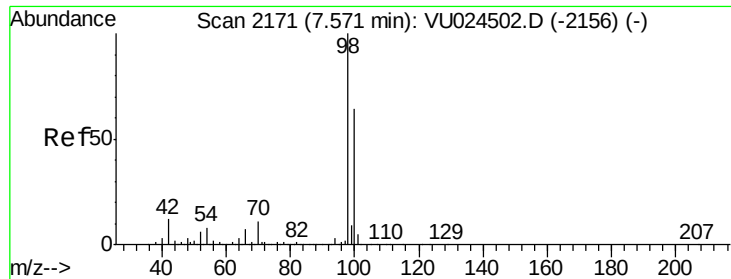


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

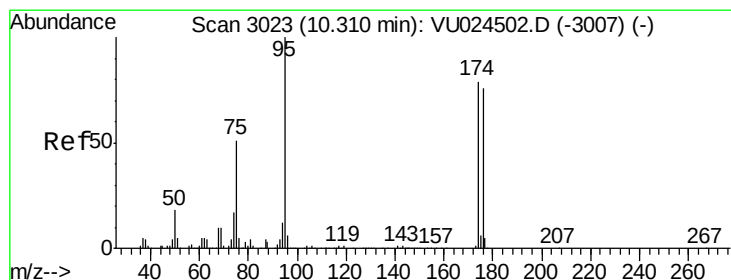
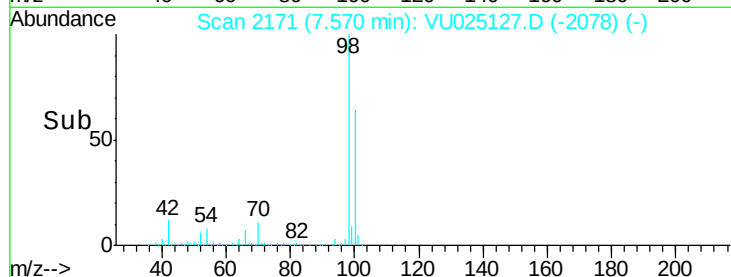
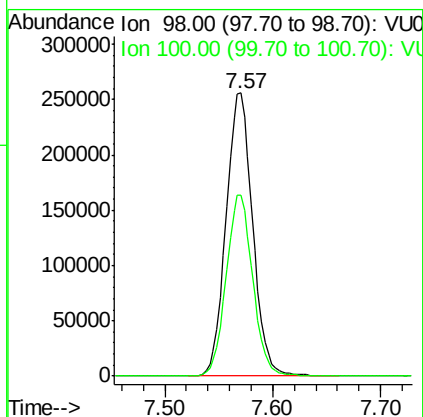
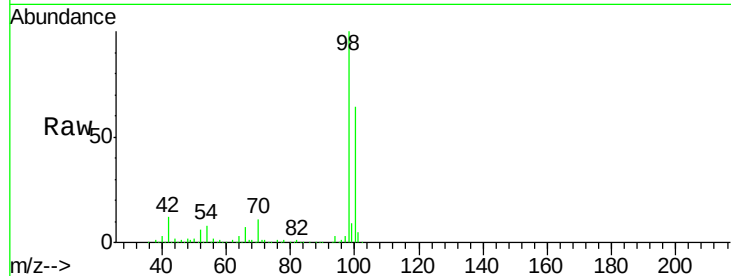




#50
Toluene-d8
Concen: 47.72 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

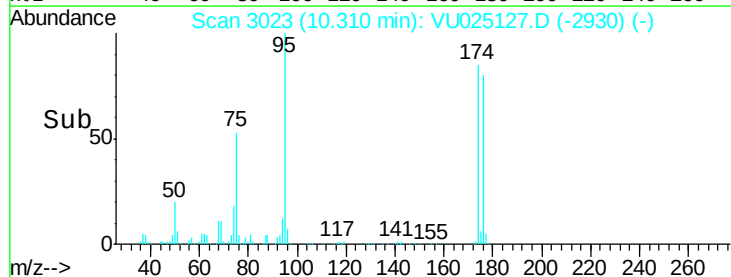
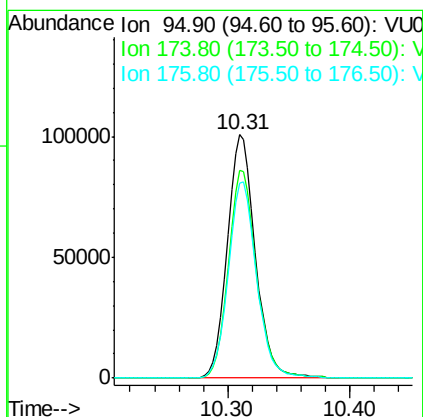
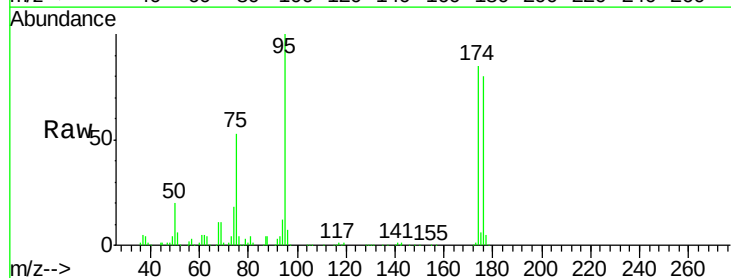
Instrument :
MSVOA_U
ClientSampled :
MW-5

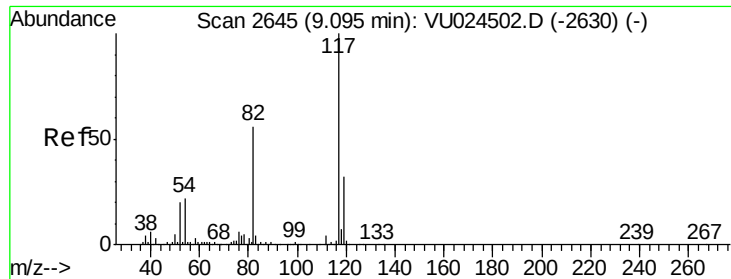
Tot Ion: 98 Resp: 440577
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.23 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

Tgt Ion: 95 Resp: 162119
Ion Ratio Lower Upper
95 100
174 85.5 0.0 165.8
176 81.3 0.0 159.4

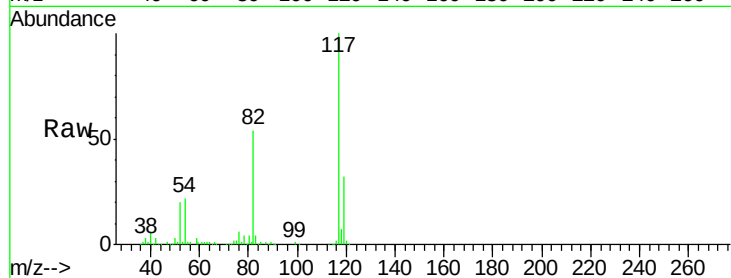




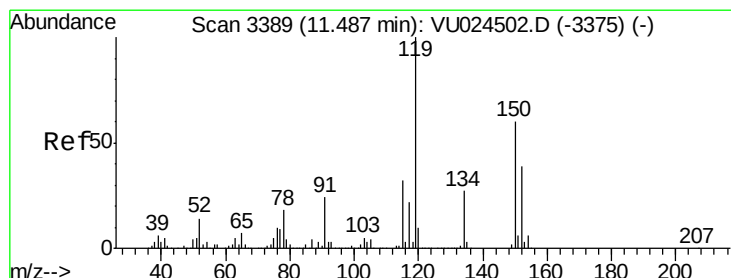
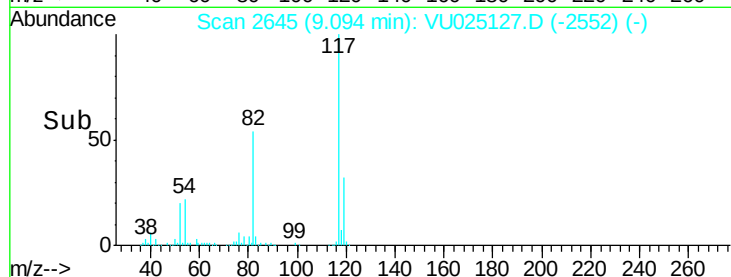
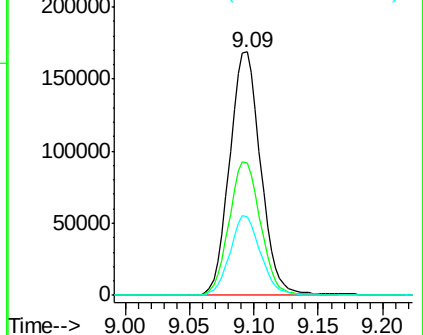
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

Instrument :
MSVOA_U
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.3	66.5
119	32.4	25.4	38.2

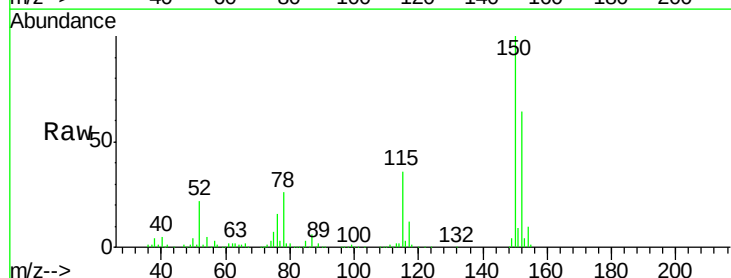


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025127.D
Acq: 01 Jul 2018 08:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	43.0	129.0
150	156.7	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

