

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025124.D
 Acq On : 01 Jul 2018 06:57
 Operator : MD/SY
 Sample : J3789-02DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

Quant Time: Jul 02 09:31:06 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	206292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308521	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144777	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	155944	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	4.89	113	119839	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	7.57	98	444019	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	10.31	95	159050	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	

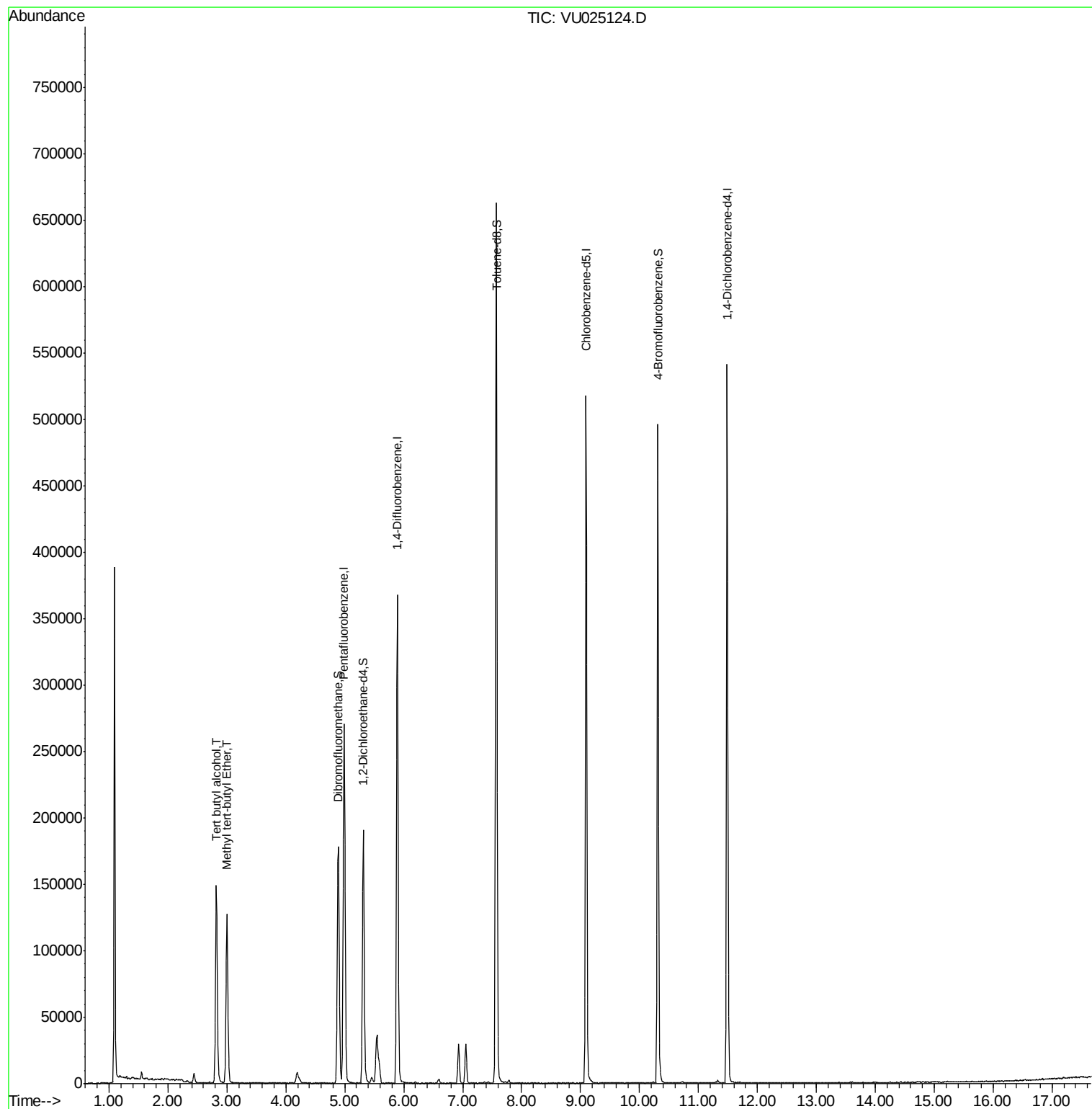
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	175793	214.63	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	136849	15.50	ug/l	99

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

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QLast Update : Wed Jun 13 13:55:26 2018
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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: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

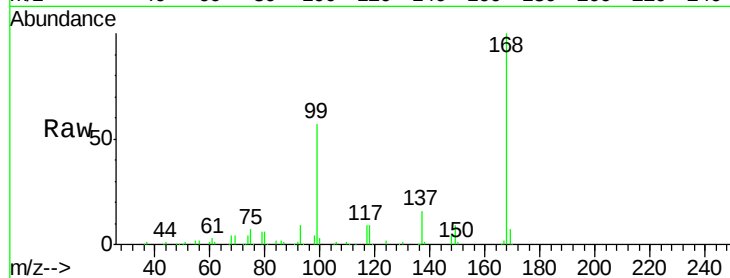
MW-2RDL

Tot Ion:168 Resp: 206292

Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025124.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025124.D (-1275) (-)

4.99

100000

80000

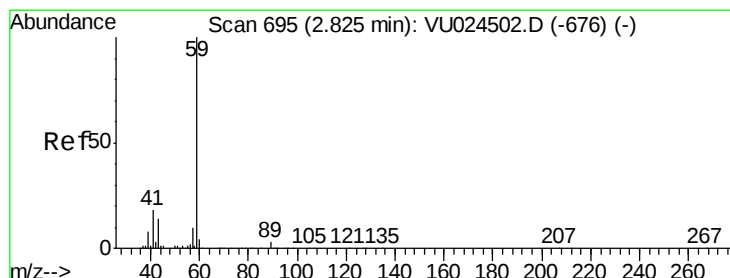
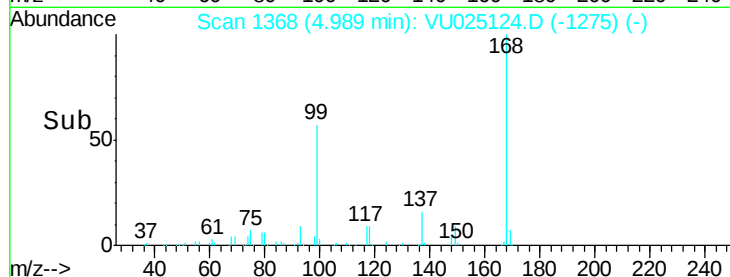
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 214.63 ug/l

RT: 2.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VU025124.D

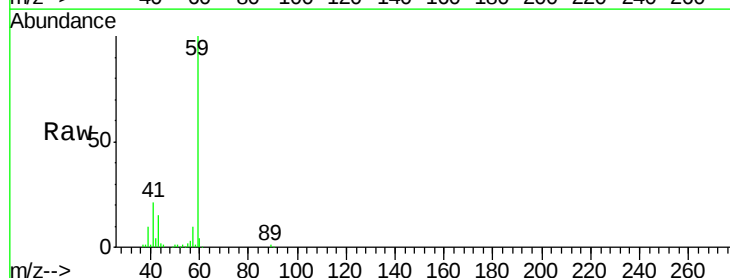
Acq: 01 Jul 2018 06:57

Tgt Ion: 59 Resp: 175793

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU025124.D (-602) (-)

Ion 57.00 (56.70 to 57.70): VU025124.D (-602) (-)

2.82

80000

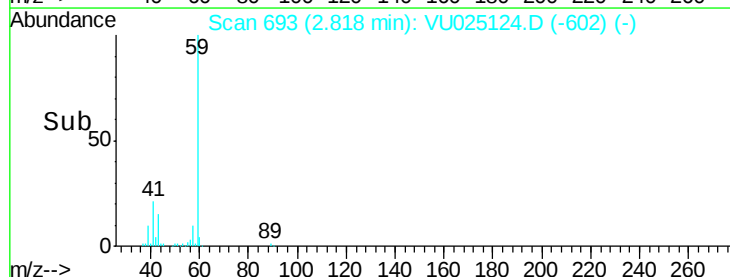
60000

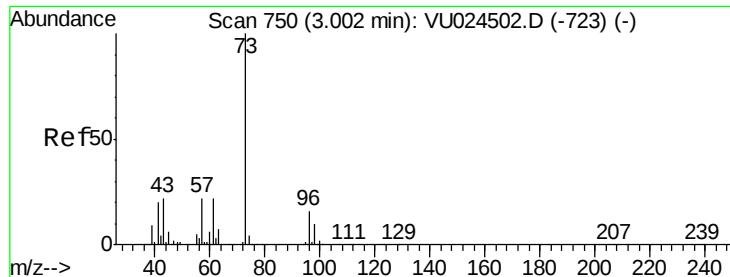
40000

20000

0

Time-->



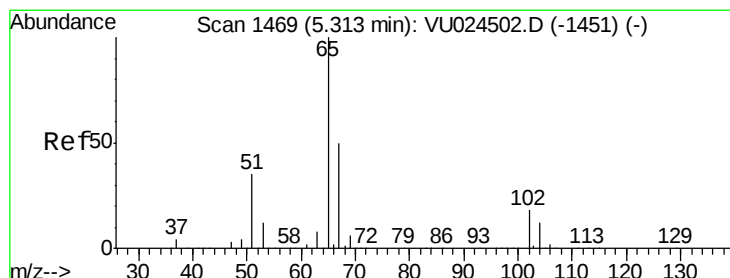
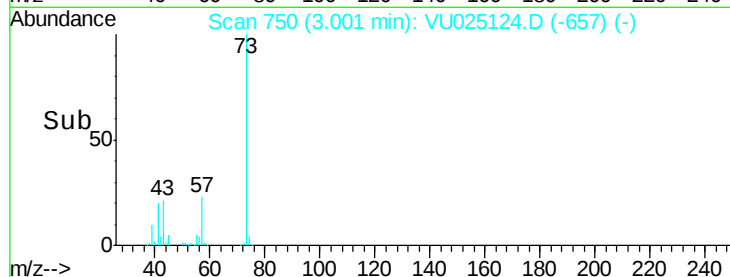
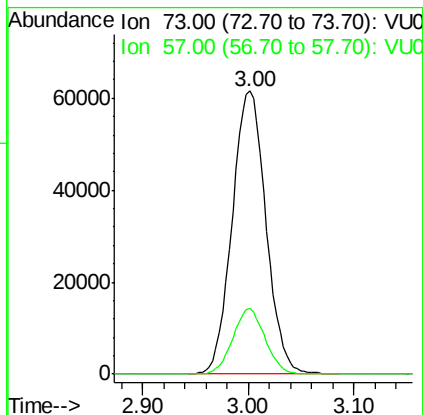
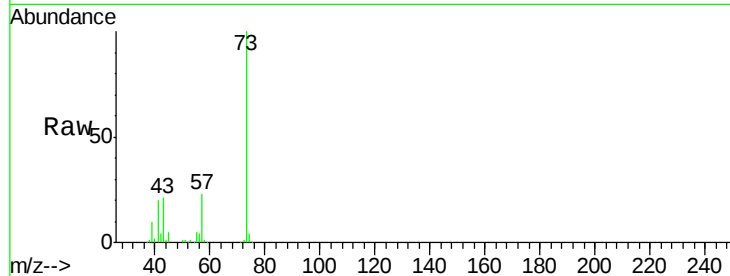


#19

Methvl tert-butvl Ether
 Concen: 15.50 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

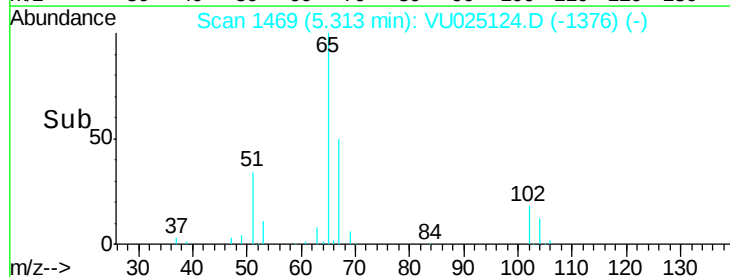
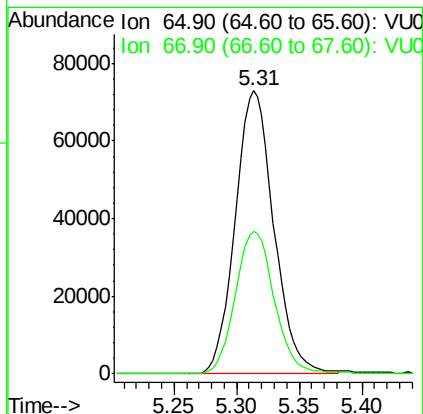
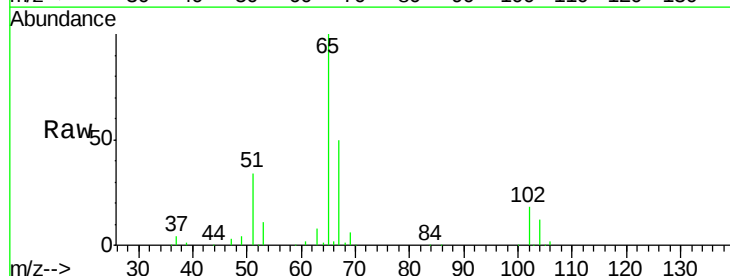
Tot Ion: 73 Resp: 136849
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.8 28.2

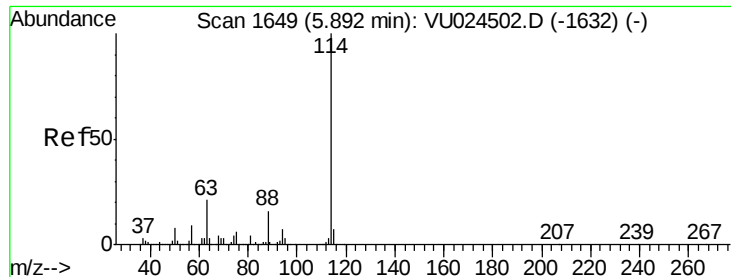


#33

1,2-Dichloroethane-d4
 Concen: 46.30 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Tgt Ion: 65 Resp: 155944
 Ion Ratio Lower Upper
 65 100
 67 50.7 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: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2RDL

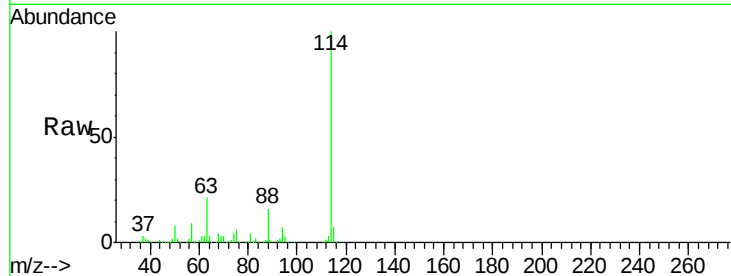
Tot Ion:114 Resp: 308521

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

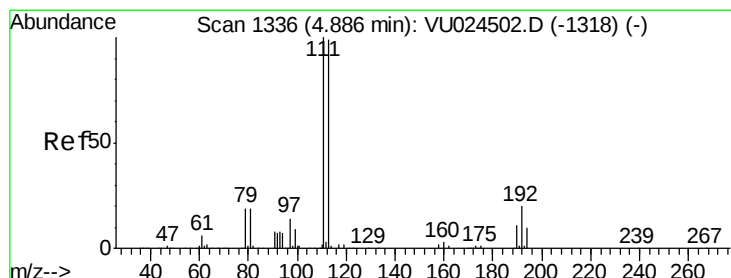
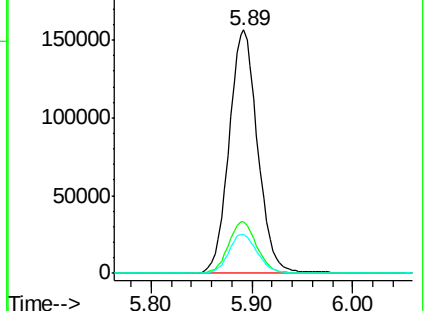
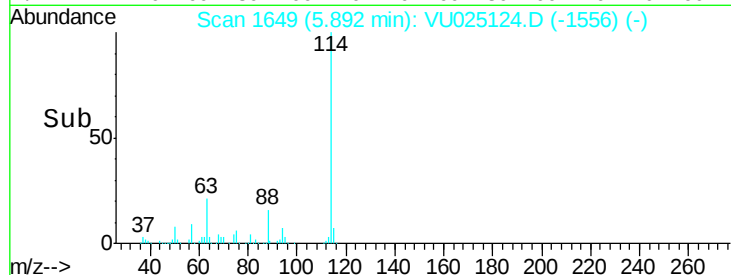
88 16.2 0.0 31.0



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: 46.80 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

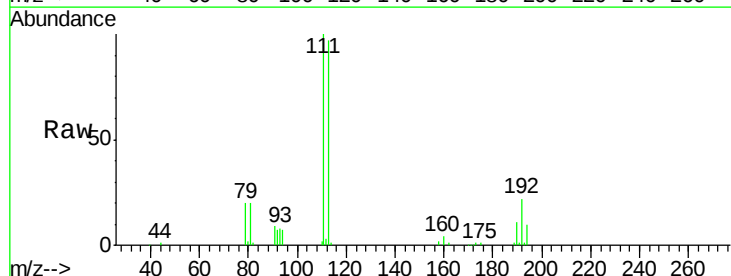
Tgt Ion:113 Resp: 119839

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

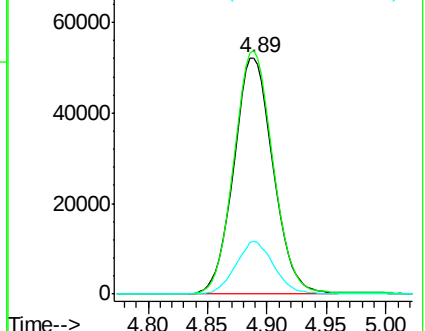
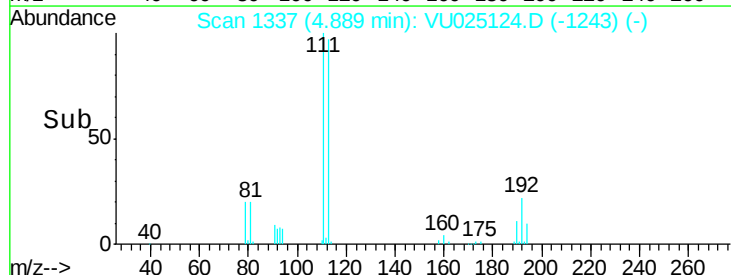
192 21.7 16.2 24.4

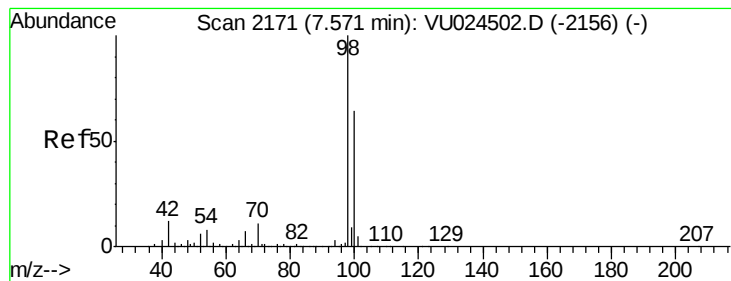


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.54 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

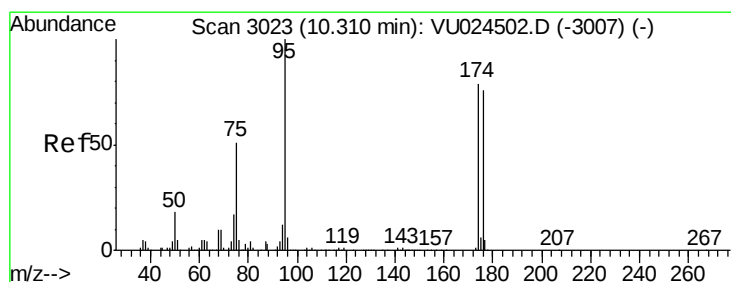
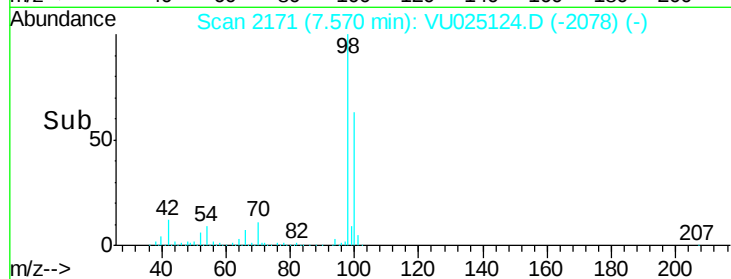
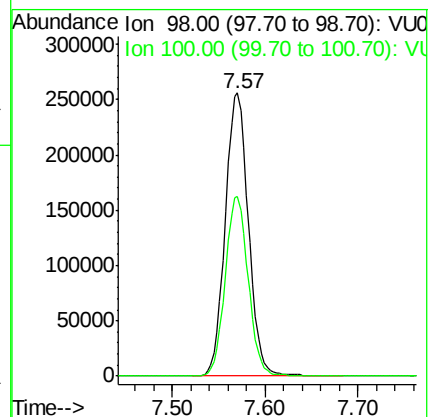
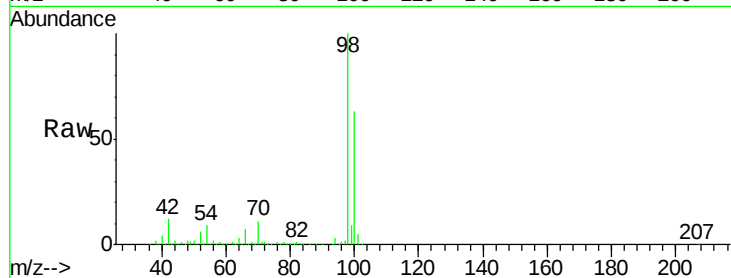
MW-2RDL

Tot Ion: 98 Resp: 444019

Ion Ratio Lower Upper

98 100

100 62.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 42.89 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

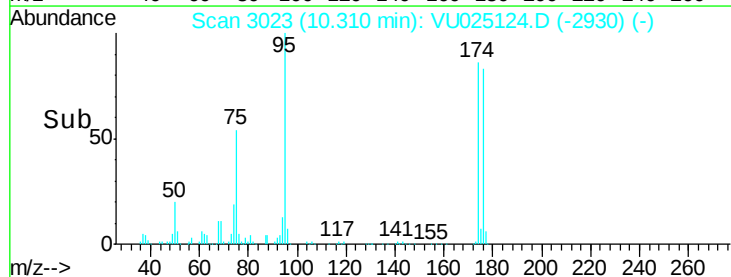
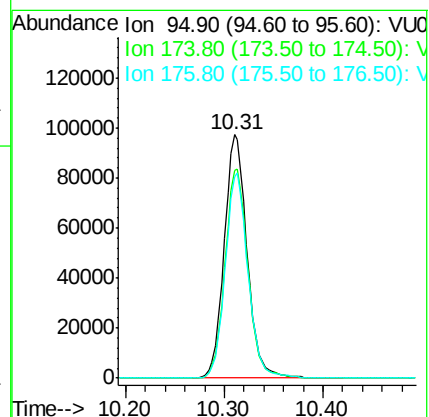
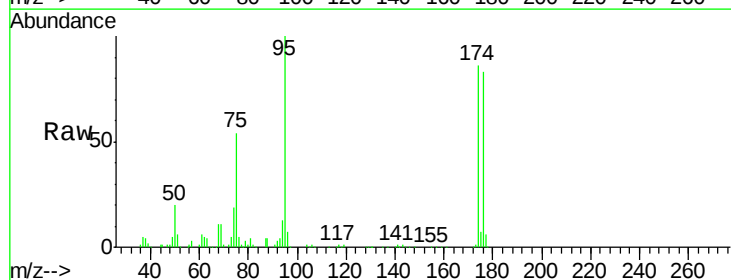
Tgt Ion: 95 Resp: 159050

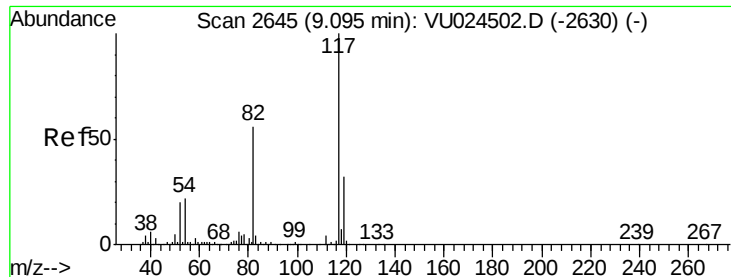
Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

176 83.5 0.0 159.4

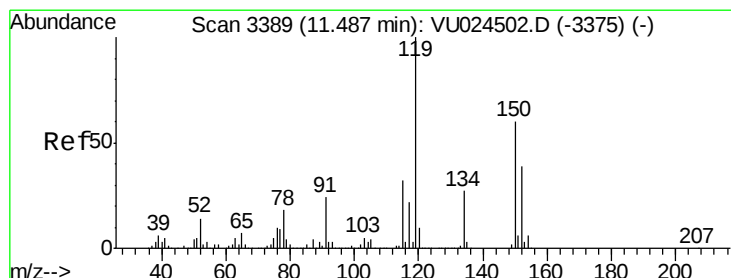
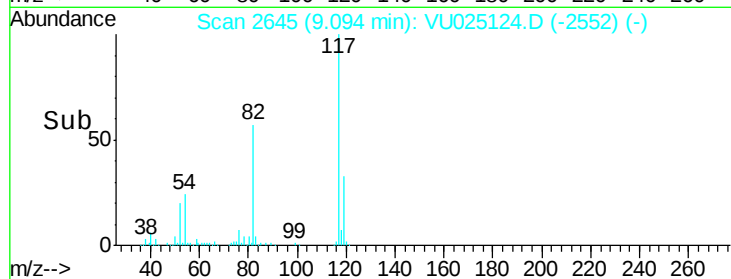
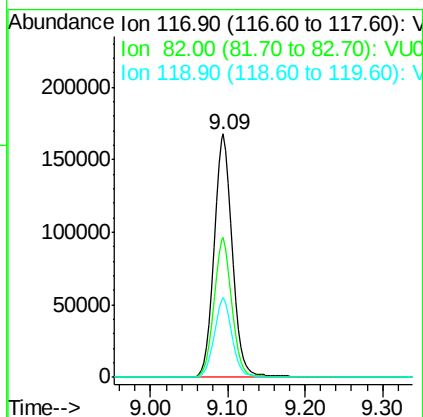
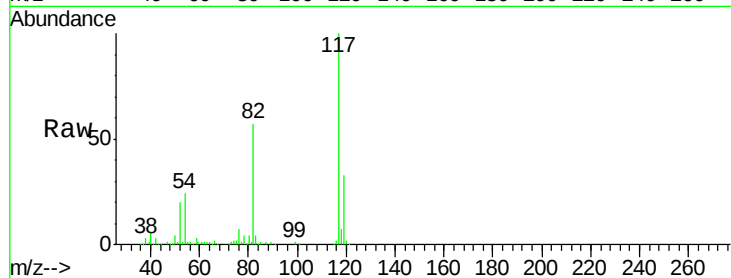




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

Instrument :
MSVOA_U
ClientSampleId :
MW-2RDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.3	66.5
119	32.7	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: VU025124.D
Acq: 01 Jul 2018 06:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	43.0	129.0
150	156.2	0.0	354.0

