

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025177.D
 Acq On : 03 Jul 2018 06:16
 Operator : MD/SY
 Sample : J3809-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1-062818

Quant Time: Jul 03 08:08:16 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	199676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143953	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	152477	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.56%	
35) Dibromofluoromethane	4.89	113	115904	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	7.57	98	426642	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.31	95	157770	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.82%	

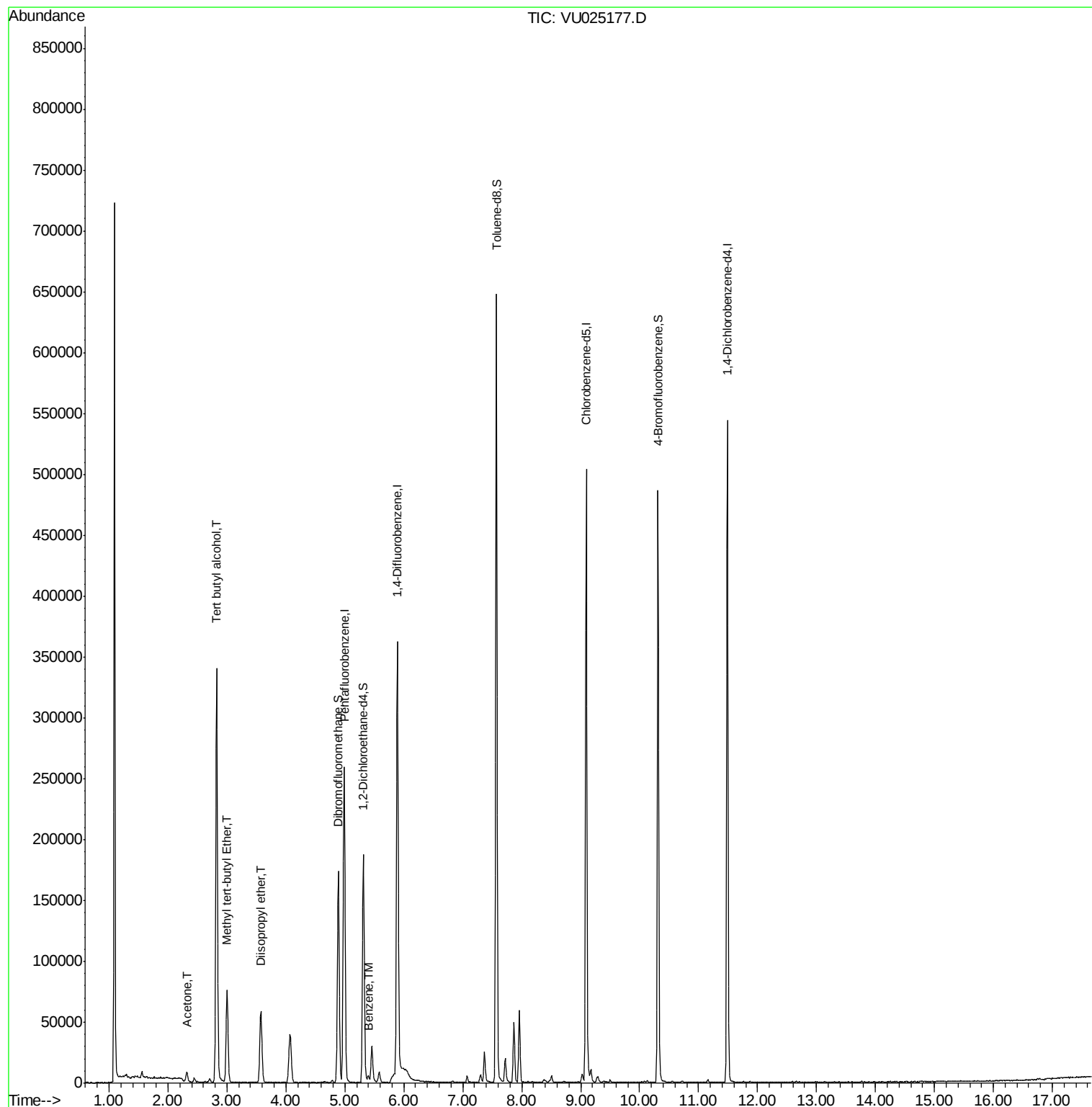
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	384756	485.31	ug/l	100
16) Acetone	2.32	43	8380	4.78	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	79471	9.30	ug/l	98
22) Diisopropyl ether	3.57	45	61521	7.35	ug/l	97
40) Benzene	5.40	78	5136	0.52	ug/l	94

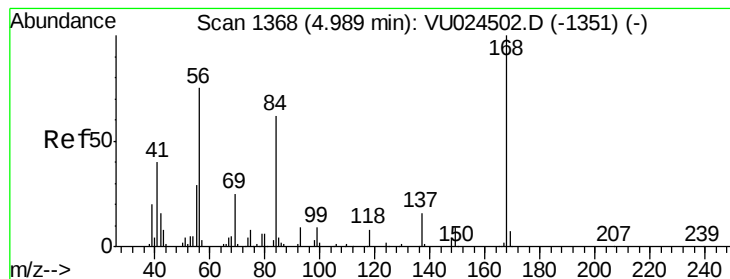
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

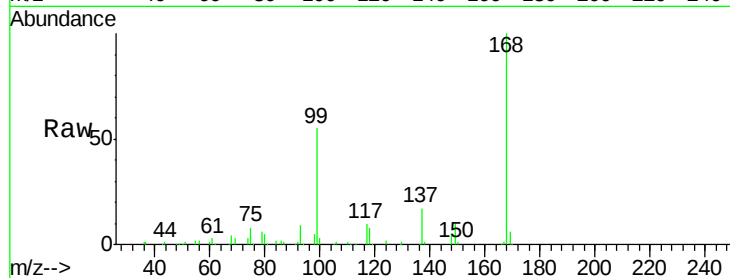
DUP-1-062818

Tot Ion:168 Resp: 199676

Ion Ratio Lower Upper

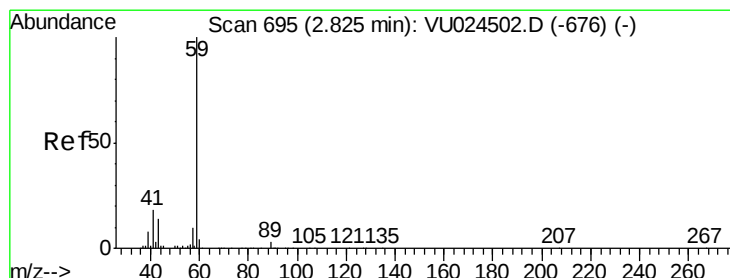
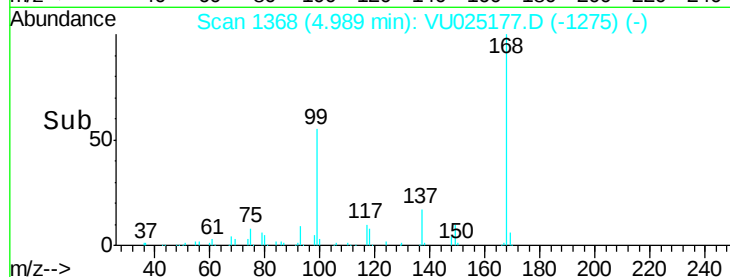
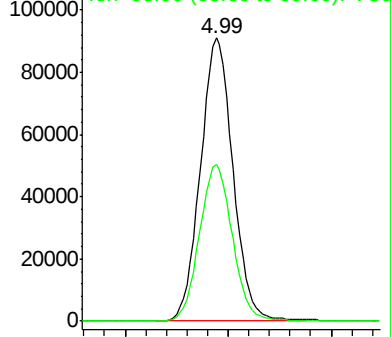
168 100

99 55.4 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: 485.31 ug/l

RT: 2.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VU025177.D

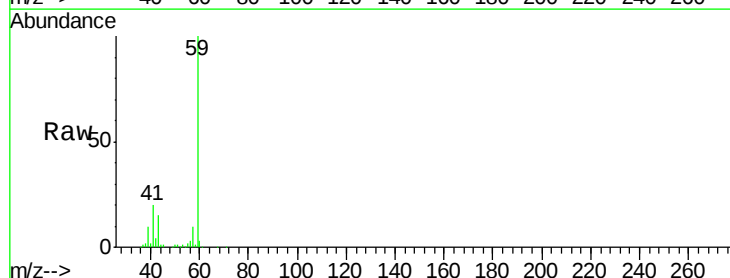
Acq: 03 Jul 2018 06:16

Tgt Ion: 59 Resp: 384756

Ion Ratio Lower Upper

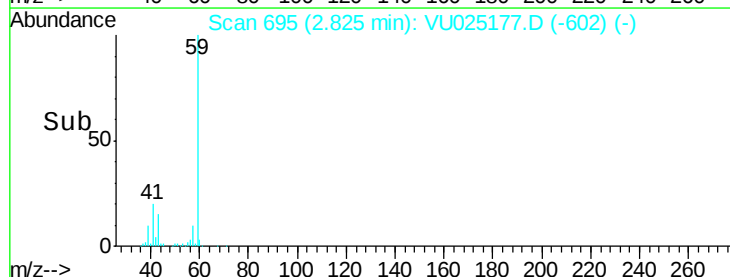
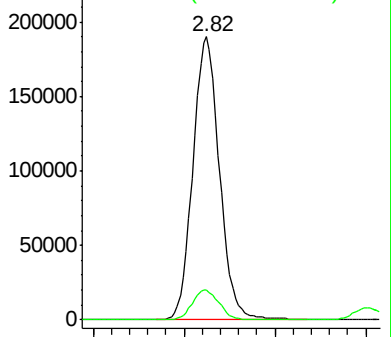
59 100

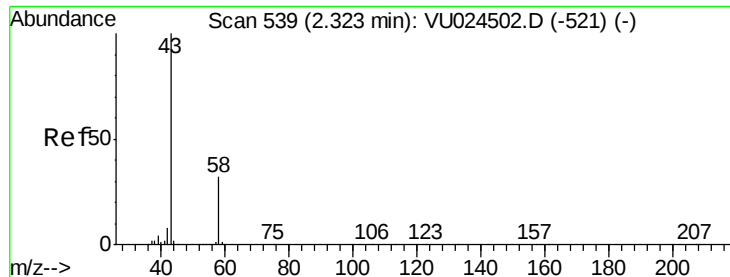
57 10.7 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.78 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

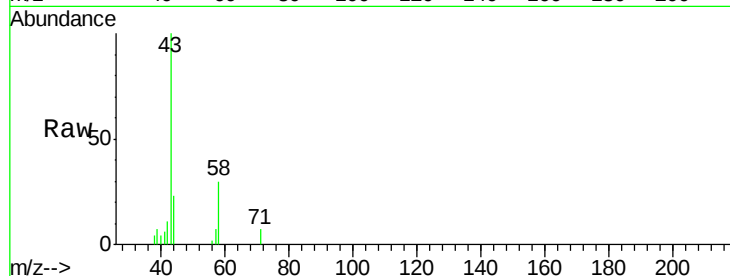
DUP-1-062818

Tot Ion: 43 Resp: 8380

Ion Ratio Lower Upper

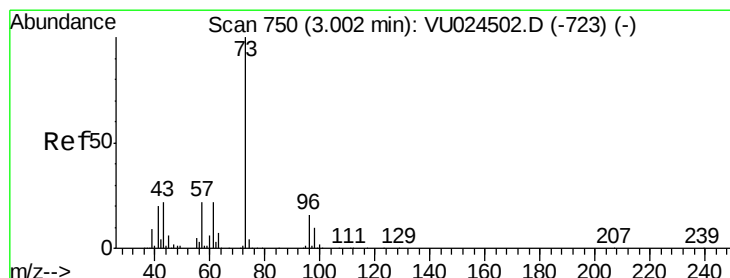
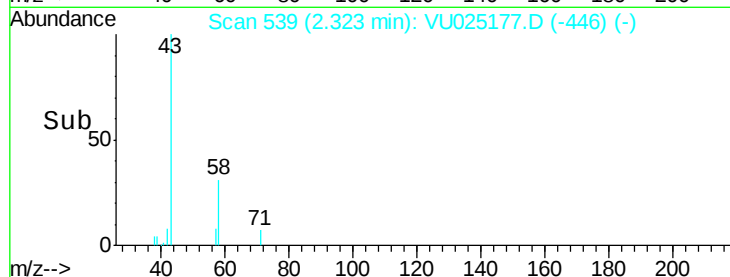
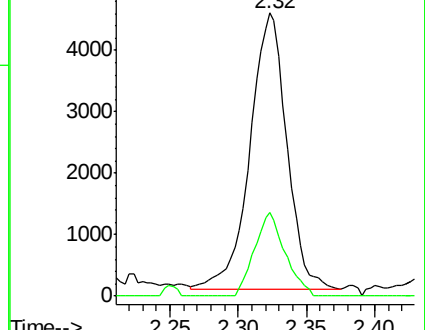
43 100

58 30.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)



#19

Methyl tert-butyl Ether

Concen: 9.30 ug/l

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025177.D

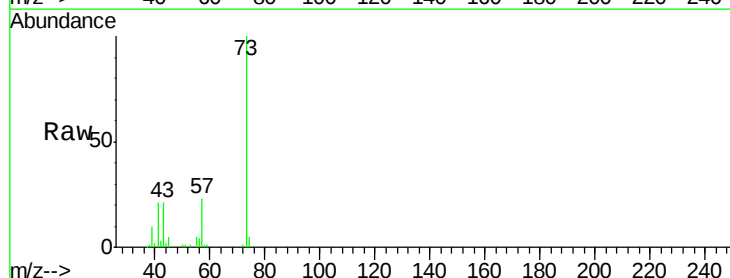
Acq: 03 Jul 2018 06:16

Tgt Ion: 73 Resp: 79471

Ion Ratio Lower Upper

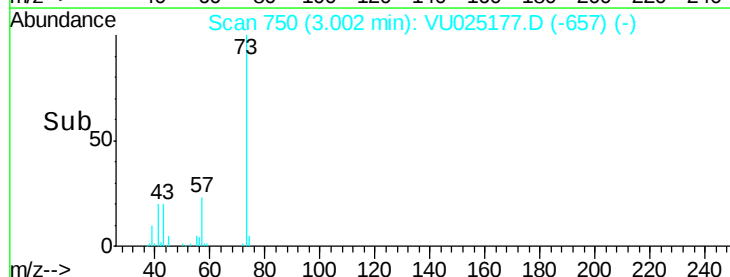
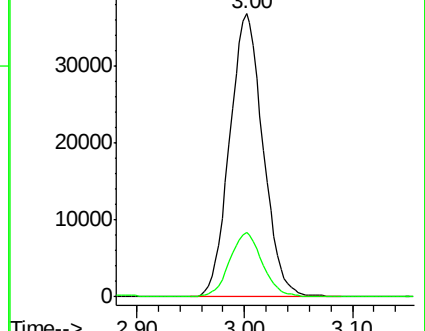
73 100

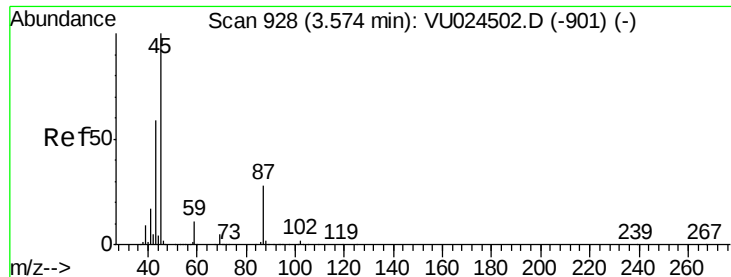
57 22.6 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)





#22

Diisopropyl ether

Concen: 7.35 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

DUP-1-062818

Tot Ion: 45 Resp: 61521

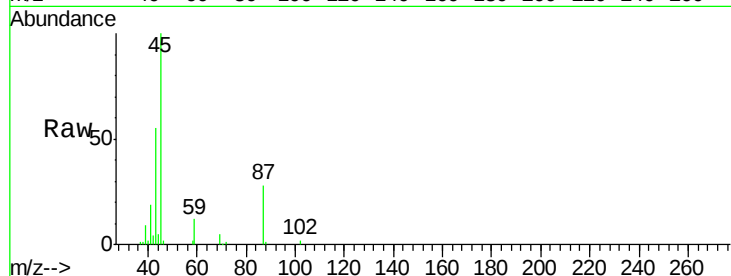
Ion Ratio Lower Upper

45 100

43 54.9 45.8 68.6

87 28.1 20.6 31.0

59 12.2 9.4 14.0

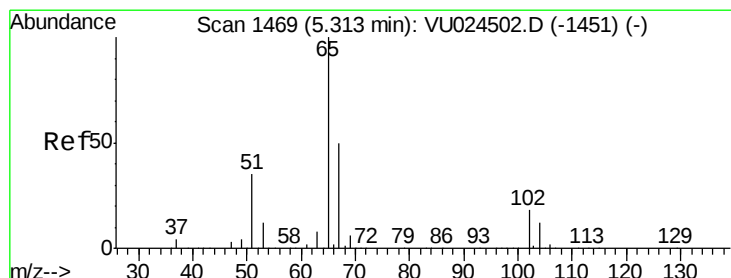
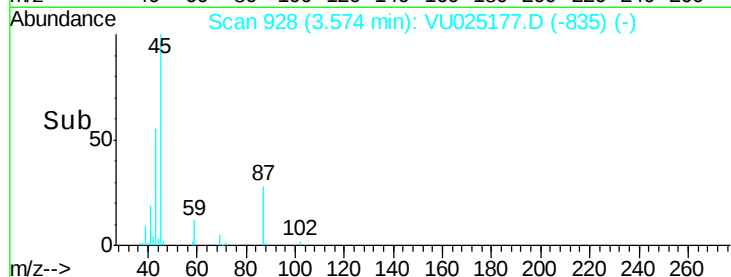
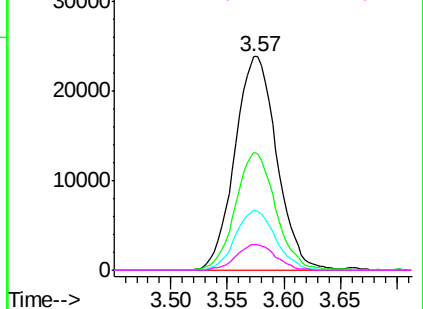


Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 46.78 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025177.D

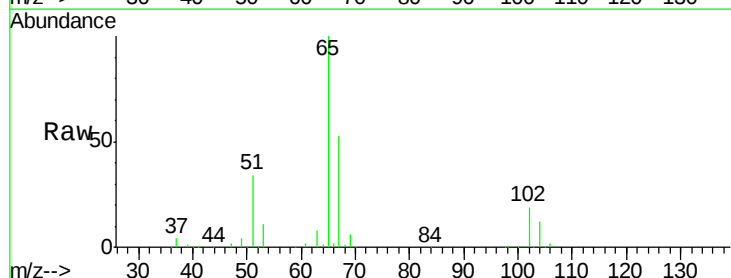
Acq: 03 Jul 2018 06:16

Tgt Ion: 65 Resp: 152477

Ion Ratio Lower Upper

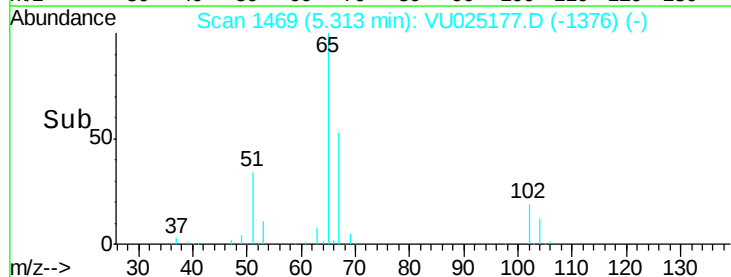
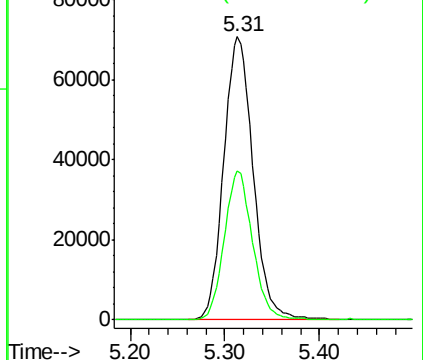
65 100

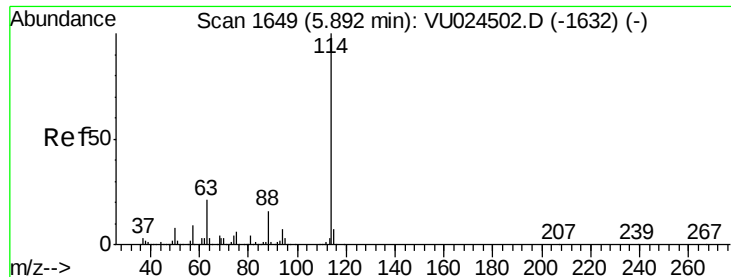
67 50.7 0.0 107.0



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: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

DUP-1-062818

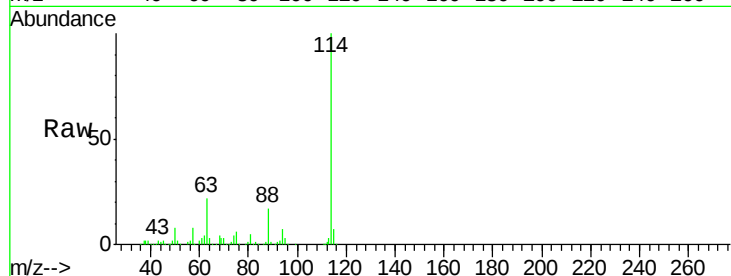
Tot Ion:114 Resp: 295566

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.4

88 16.7 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

200000

150000

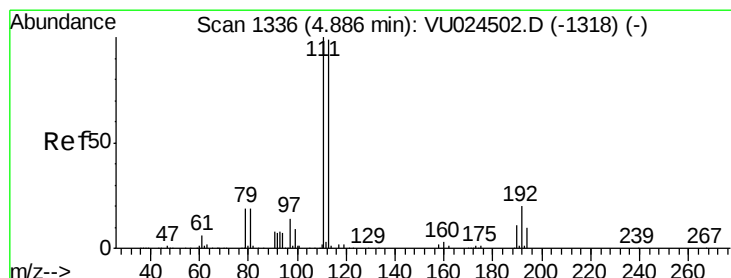
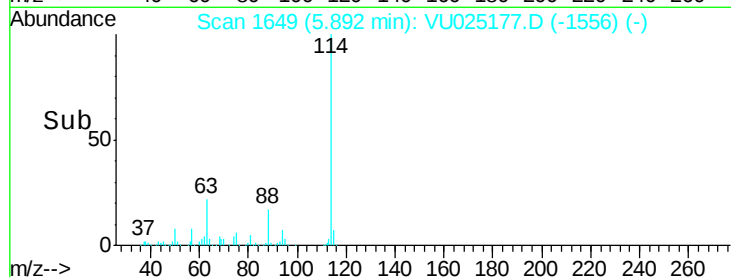
100000

50000

0

5.80 5.90 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.25 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

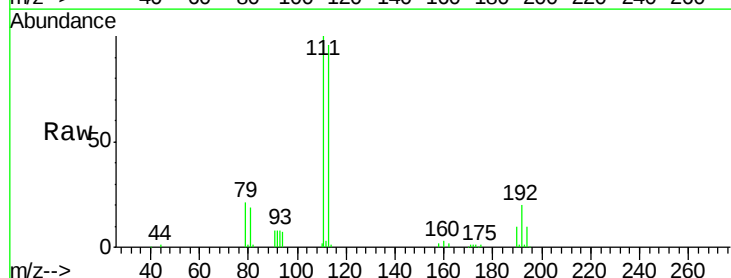
Tgt Ion:113 Resp: 115904

Ion Ratio Lower Upper

113 100

111 103.2 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

60000

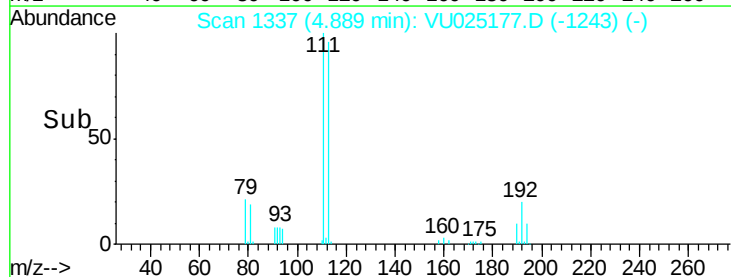
40000

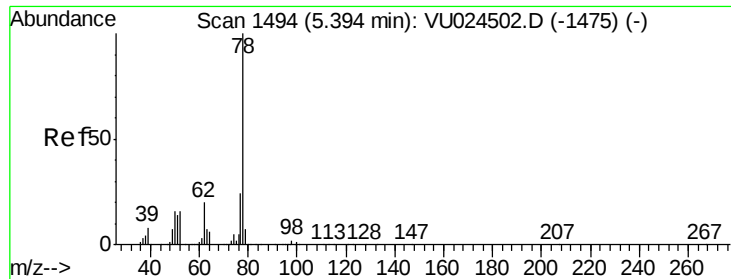
20000

0

4.80 4.85 4.90 4.95

Time-->





#40

Benzene

Concen: 0.52 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

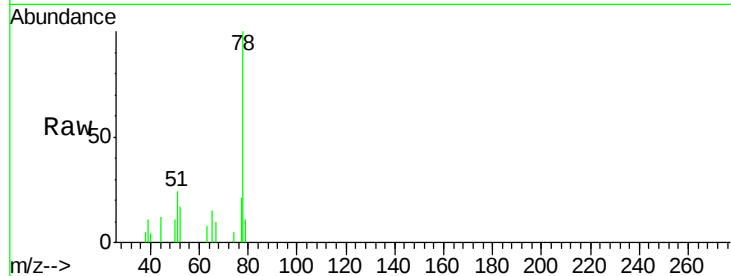
DUP-1-062818

Tot Ion: 78 Resp: 5136

Ion Ratio Lower Upper

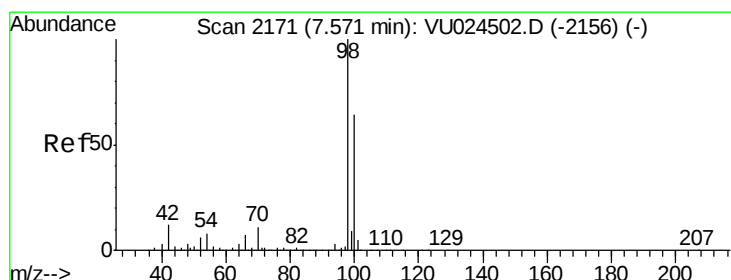
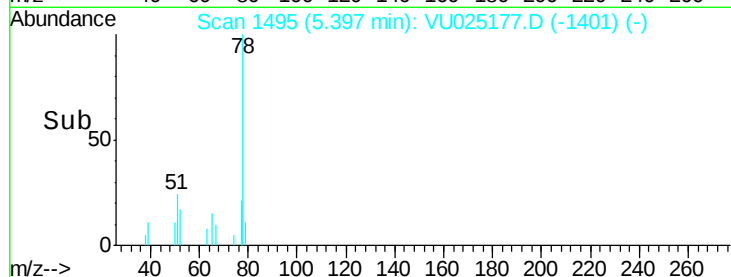
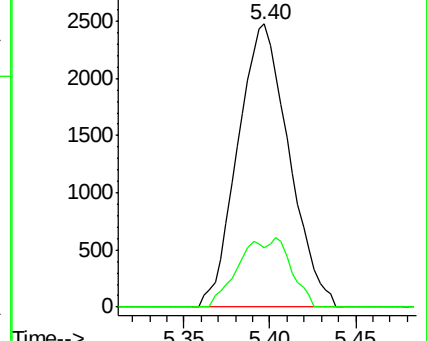
78 100

77 20.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 47.68 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025177.D

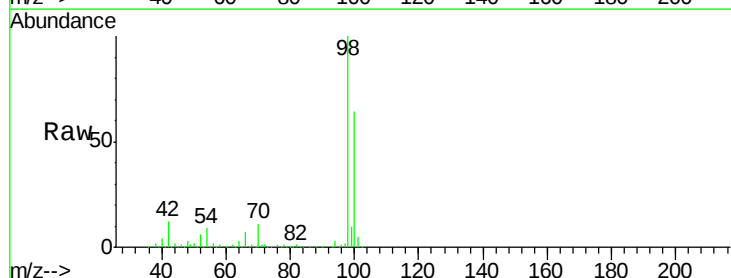
Acq: 03 Jul 2018 06:16

Tgt Ion: 98 Resp: 426642

Ion Ratio Lower Upper

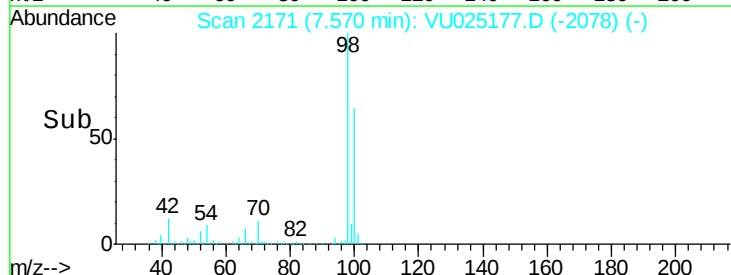
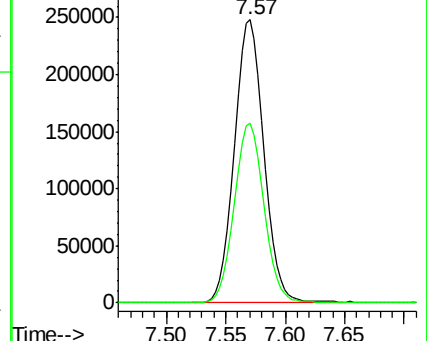
98 100

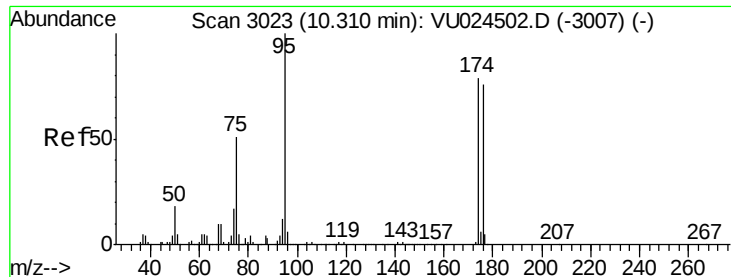
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 44.41 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

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ClientSampleId :

DUP-1-062818

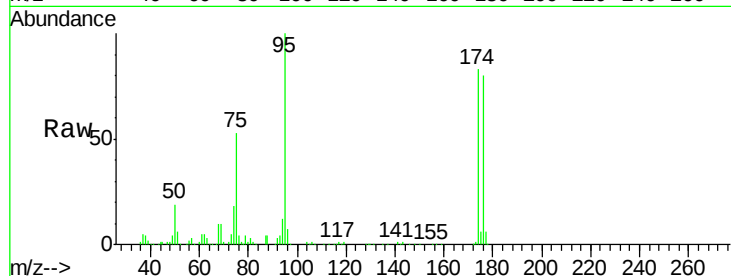
Tot Ion: 95 Resp: 157770

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.8

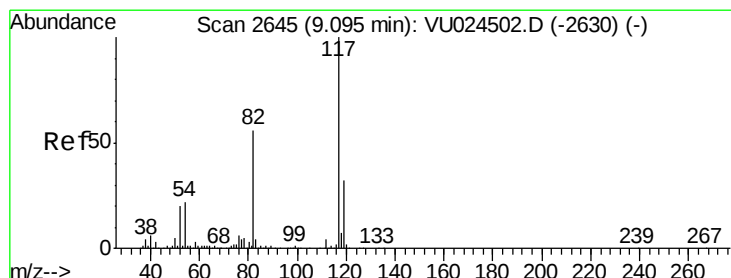
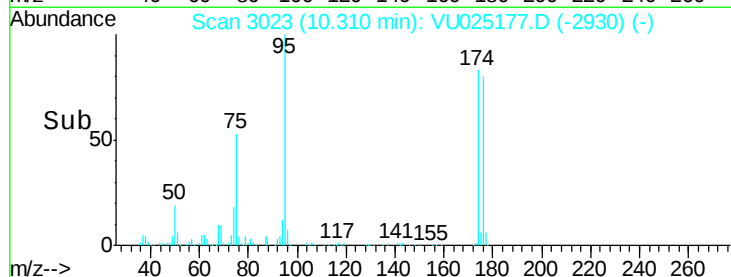
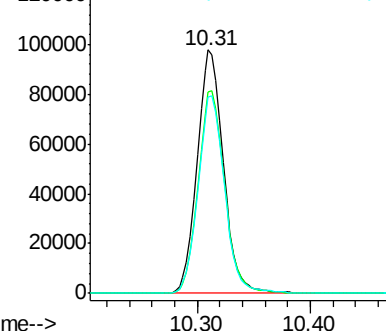
176 81.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

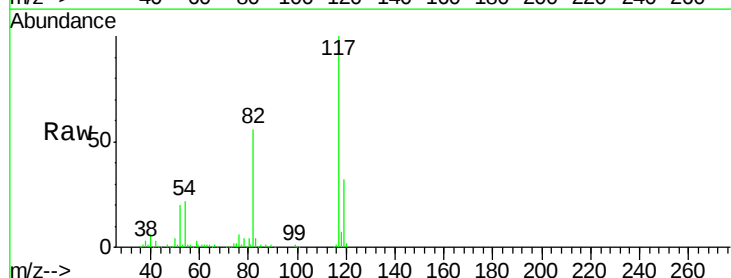
Tgt Ion: 117 Resp: 276725

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

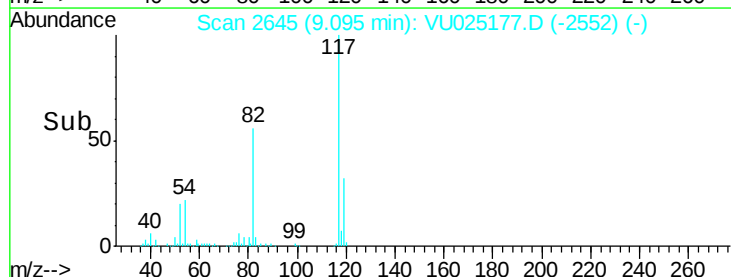
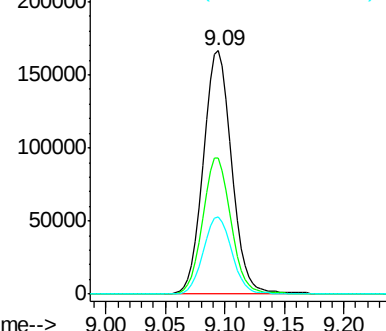
119 31.9 25.4 38.2

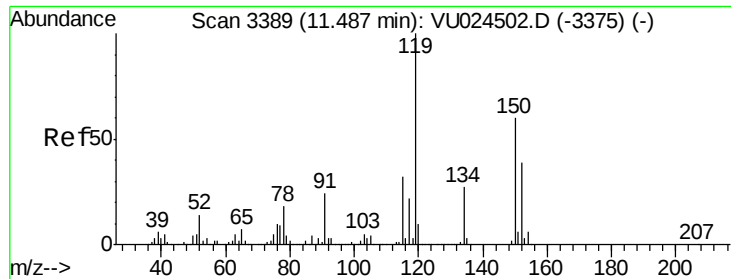


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

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: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

DUP-1-062818

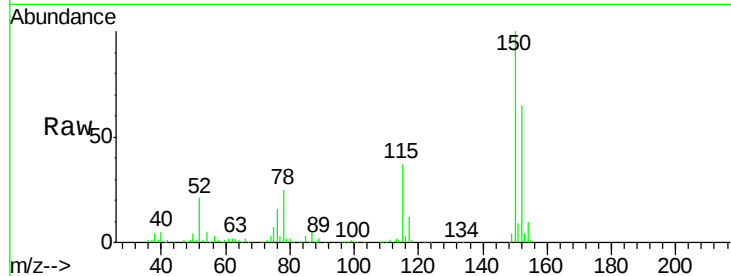
Tot Ion:152 Resp: 143953

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

150 155.8 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

