

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024537.D
 Acq On : 14 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3443-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:35:17 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	175089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301654	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	171741	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	133872	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	4.89	113	120005	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	7.57	98	447687	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	10.31	95	175123	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

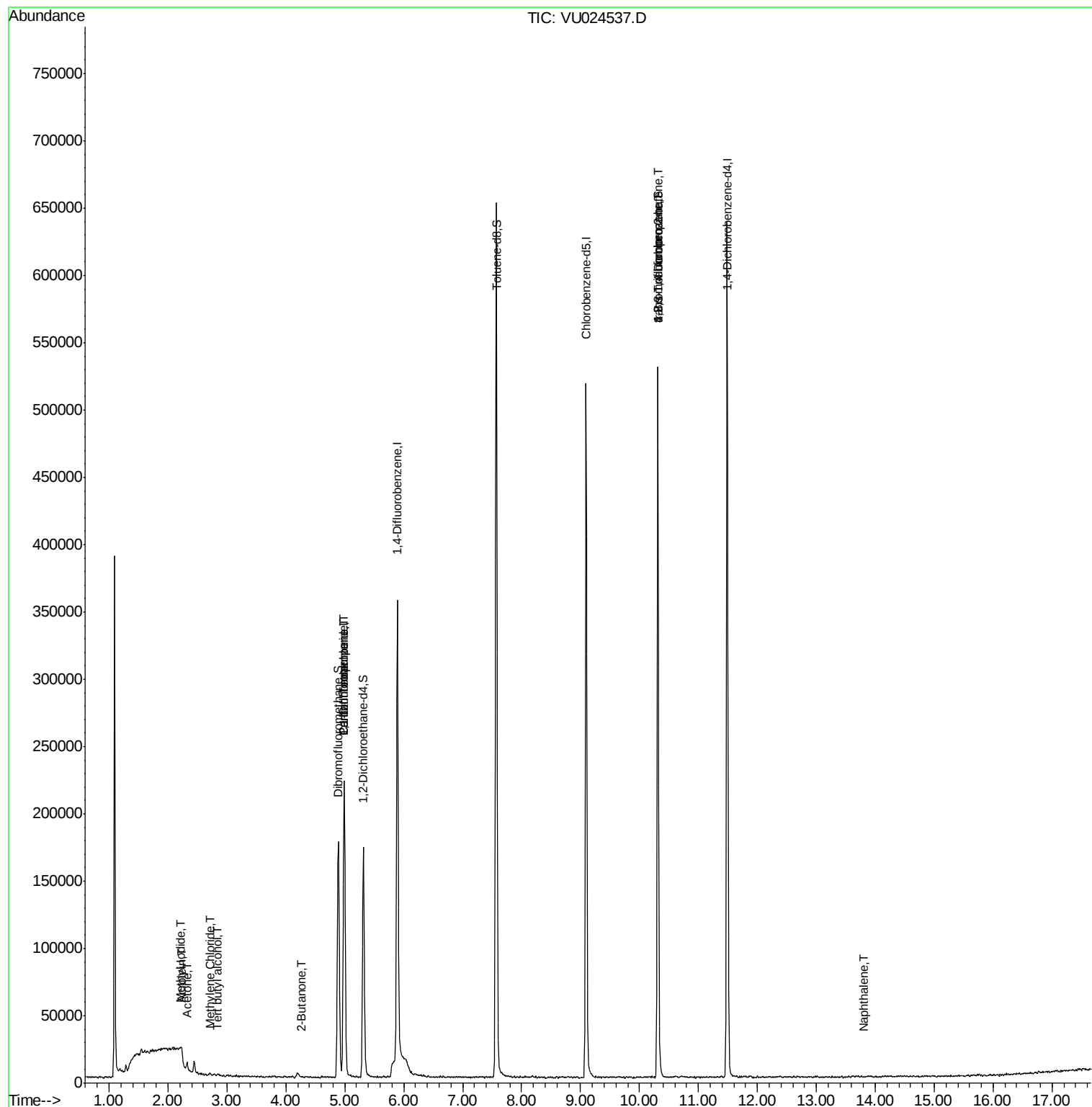
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	204	Below Cal	#	65
8) Diethyl Ether	2.16	74	41	Below Cal		97
10) Methyl Iodide	2.21	142	20	5.298	ug/l #	1
11) Tert butyl alcohol	2.85	59	704	1.013	ug/l #	83
13) Acrolein	2.23	56	2004	5.490	ug/l #	13
16) Acetone	2.32	43	5658	3.684	ug/l	100
20) Methylene Chloride	2.71	84	1128	0.468	ug/l #	68
25) 2-Butanone	4.25	43	443	0.215	ug/l #	51
31) Cyclohexane	4.99	56	3569	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12701	3.583	ug/l #	51
38) Carbon Tetrachloride	4.99	117	16702	4.285	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	86470	22.869	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86470	52.928	ug/l #	100
95) Naphthalene	13.80	128	220	0.696	ug/l #	69

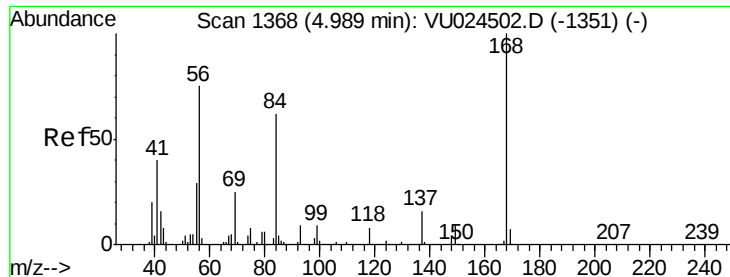
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

Instrument :

MSVOA_U

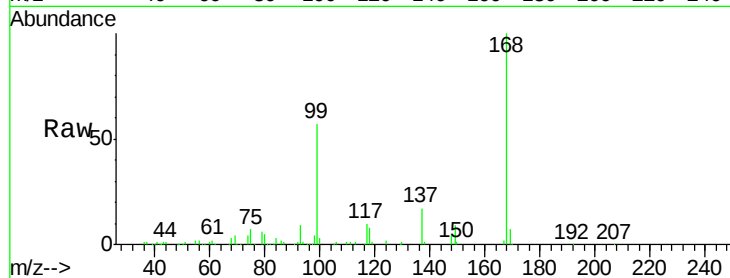
ClientSampled :

Tot Ion:168 Resp: 175089

Ion Ratio Lower Upper

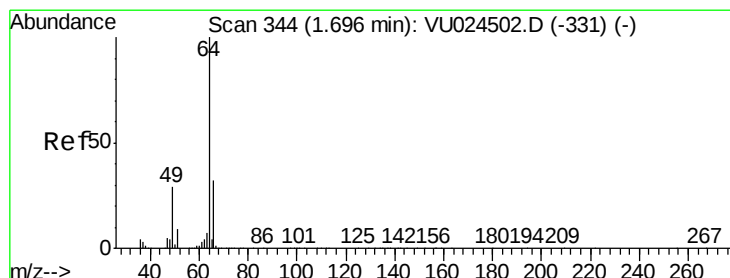
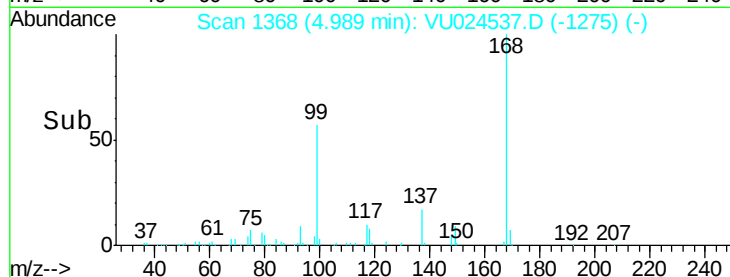
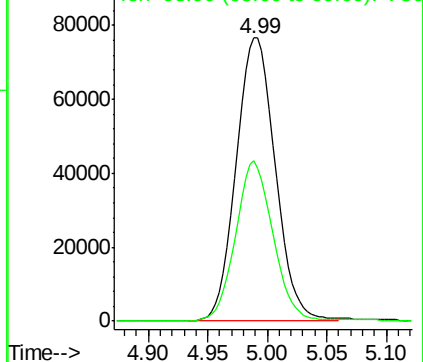
168 100

99 56.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VU024537.D

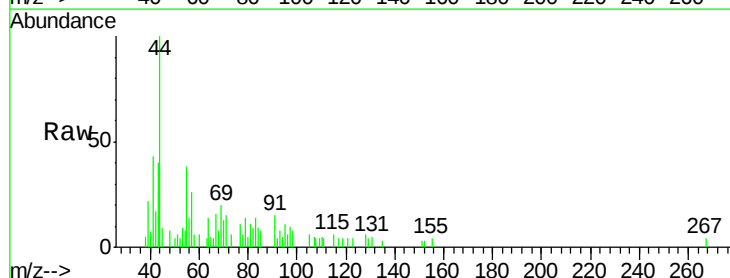
Acq: 14 Jun 2018 14:11

Tgt Ion: 64 Resp: 204

Ion Ratio Lower Upper

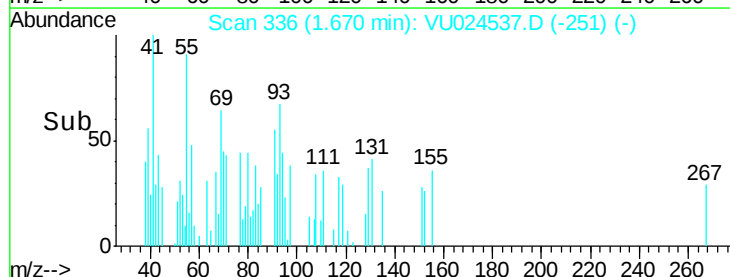
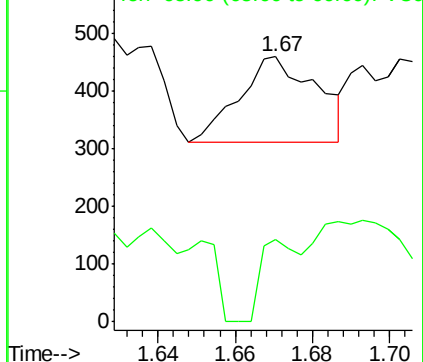
64 100

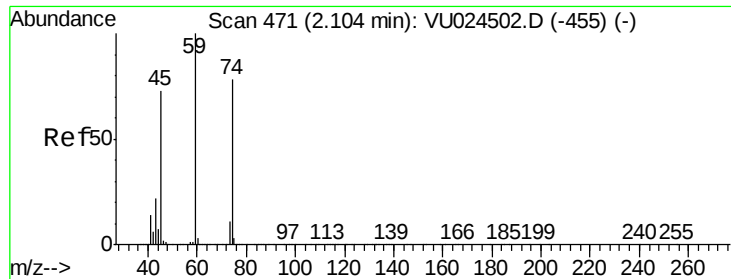
66 12.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 488

Delta R.T. 0.06 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

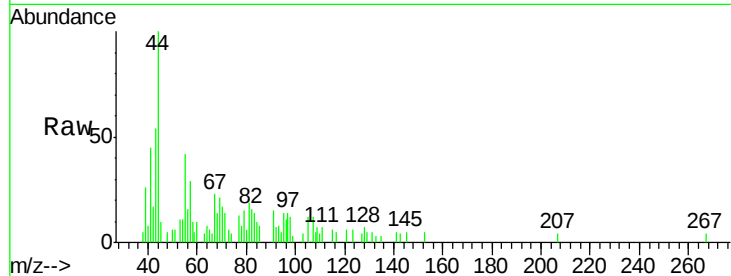
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 74 Resp: 41

Ion Ratio Lower Upper

74 100

45 107.3 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU024502.D (-455) (-)

Ion 45.00 (44.70 to 45.70): VU024502.D (-455) (-)

400

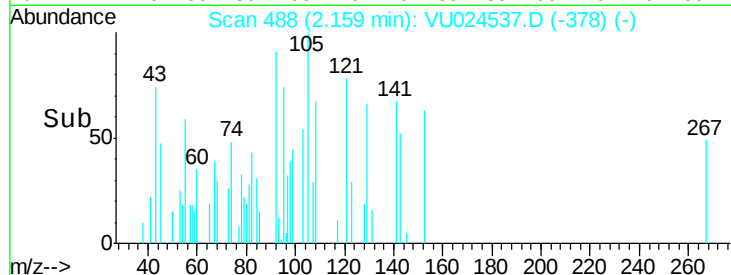
300

200

100

0

Time-->



Abundance Ion 74.00 (73.70 to 74.70): VU024537.D (-378) (-)

Ion 45.00 (44.70 to 45.70): VU024537.D (-378) (-)

400

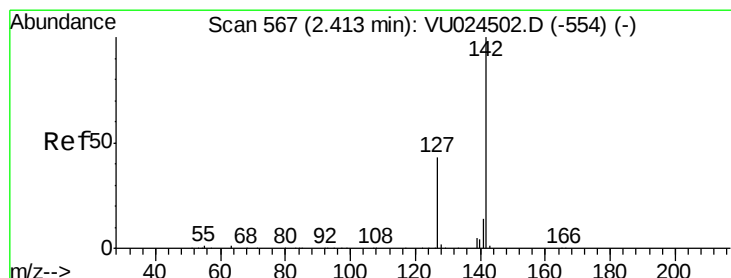
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 5.298 ug/l

RT: 2.21 min Scan# 503

Delta R.T. -0.21 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

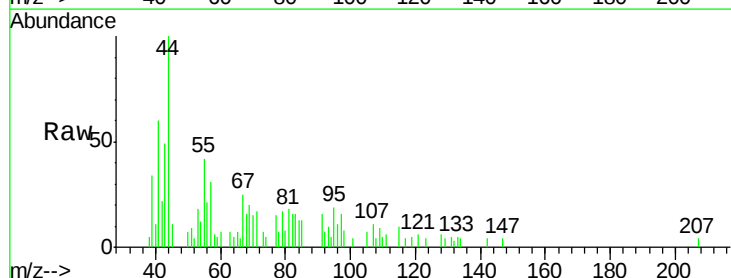
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

142 100

127 235.0 35.6 53.4#

141 395.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)

Ion 126.80 (126.50 to 127.50): VU024502.D (-554) (-)

Ion 140.80 (140.50 to 141.50): VU024502.D (-554) (-)

200

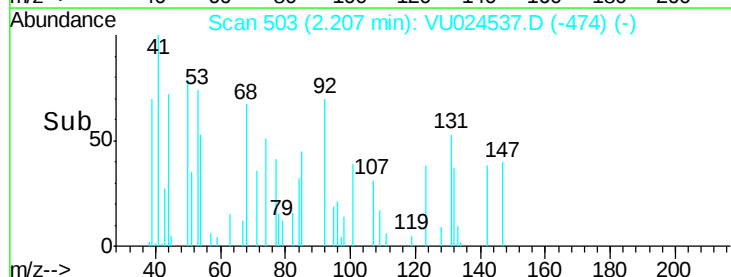
150

100

50

0

Time-->



Abundance Ion 141.80 (141.50 to 142.50): VU024537.D (-474) (-)

Ion 126.80 (126.50 to 127.50): VU024537.D (-474) (-)

Ion 140.80 (140.50 to 141.50): VU024537.D (-474) (-)

200

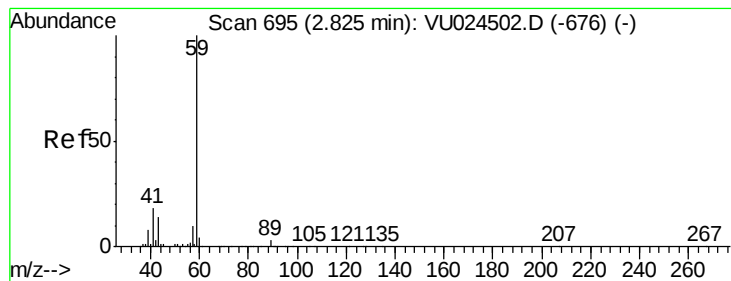
150

100

50

0

Time-->

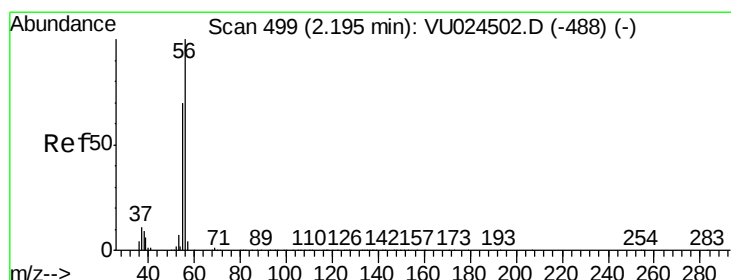
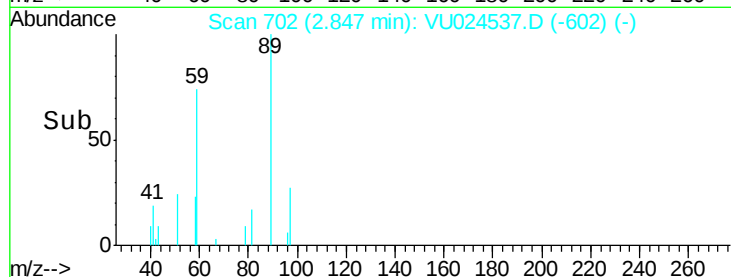
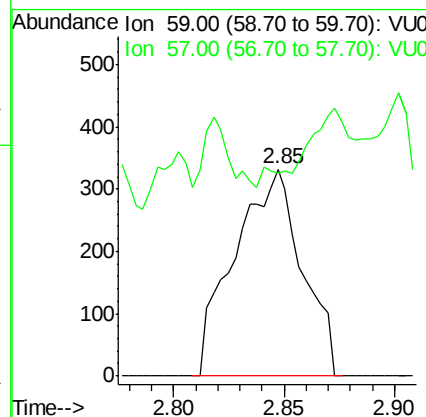
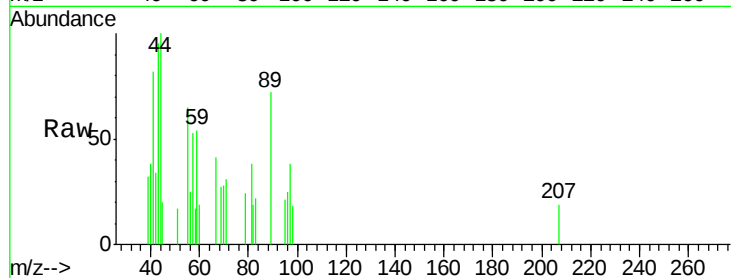


#11

Tert butyl alcohol
 Concen: 1.013 ug/l
 RT: 2.85 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

Instrument :
 MSVOA_U
 ClientSampled :

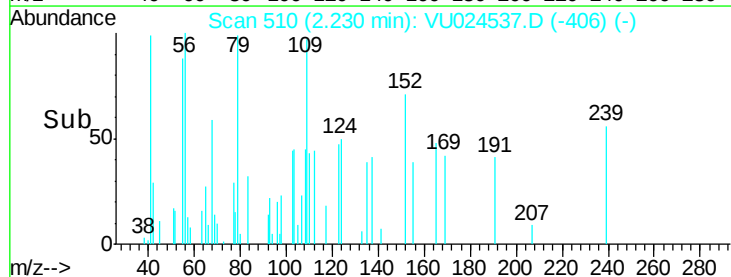
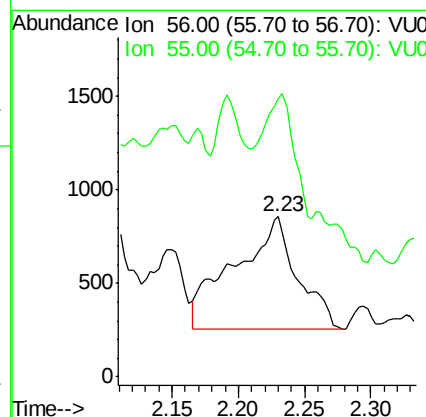
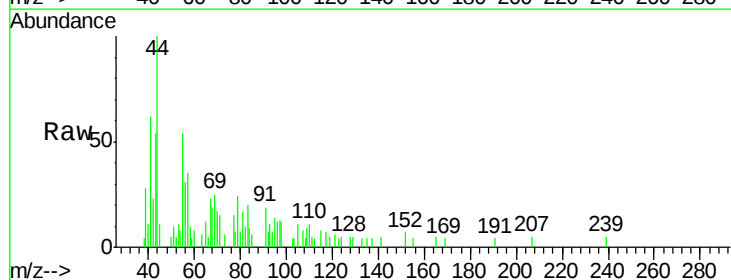
Tot Ion: 59 Resp: 704
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.5 12.7#

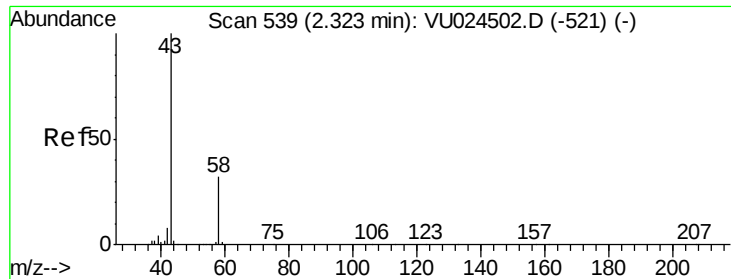


#13

Acrolein
 Concen: 5.490 ug/l
 RT: 2.23 min Scan# 510
 Delta R.T. 0.04 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

Tgt Ion: 56 Resp: 2004
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 3.684 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

Instrument :

MSVOA_U

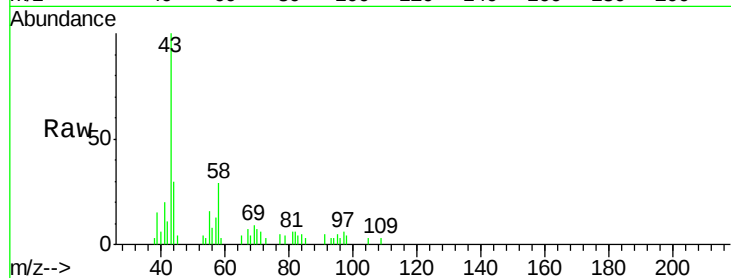
ClientSampleId :

Tot Ion: 43 Resp: 5658

Ion Ratio Lower Upper

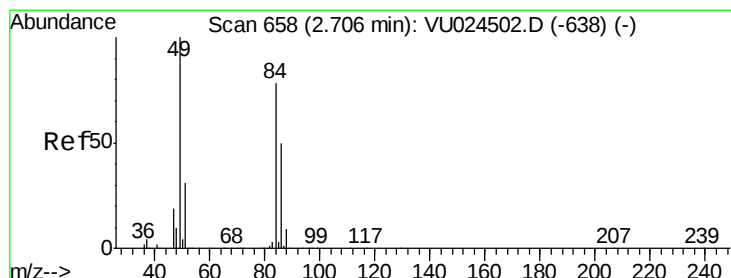
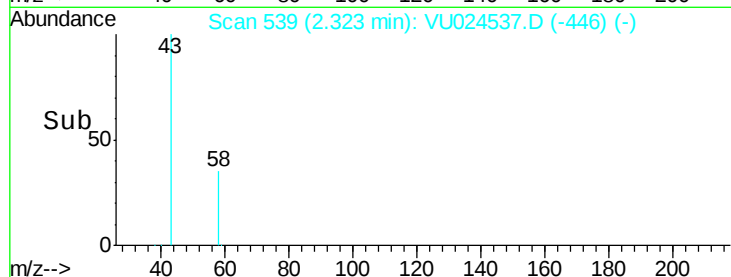
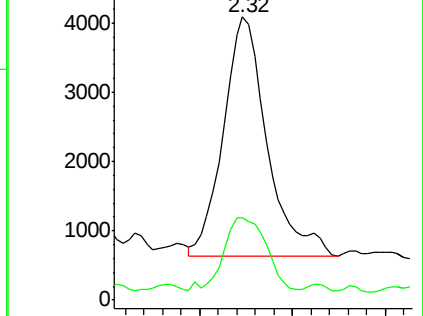
43 100

58 30.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024537.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024537.D (-446) (-)



#20

Methylene Chloride

Concen: 0.468 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

Tgt Ion: 84 Resp: 1128

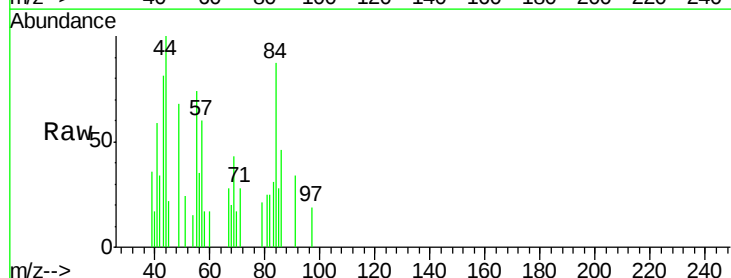
Ion Ratio Lower Upper

84 100

49 78.1 103.8 155.8#

51 27.1 32.0 48.0#

86 53.0 51.6 77.4

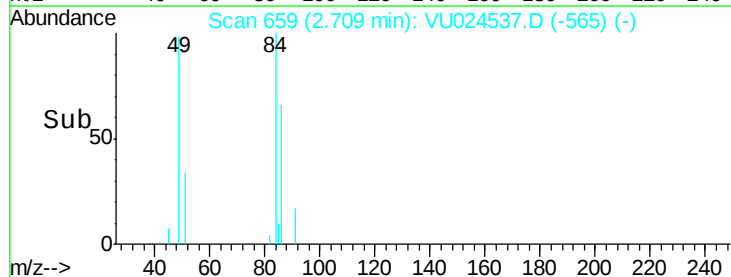
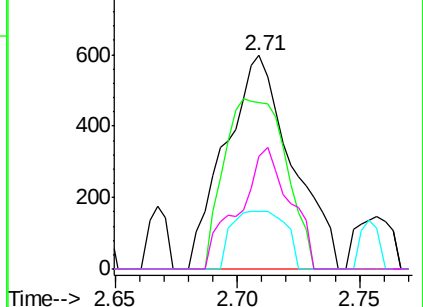


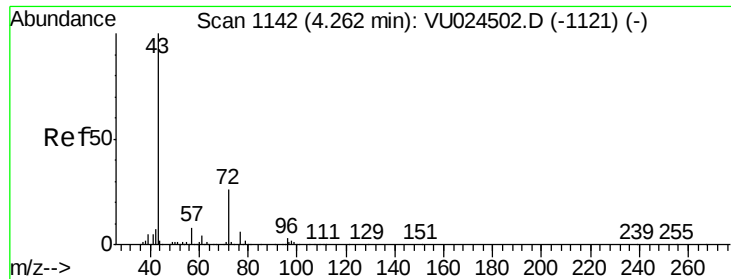
Abundance Ion 83.90 (83.60 to 84.60): VU024537.D (-565) (-)

Ion 48.90 (48.60 to 49.60): VU024537.D (-565) (-)

Ion 50.90 (50.60 to 51.60): VU024537.D (-565) (-)

Ion 85.90 (85.60 to 86.60): VU024537.D (-565) (-)

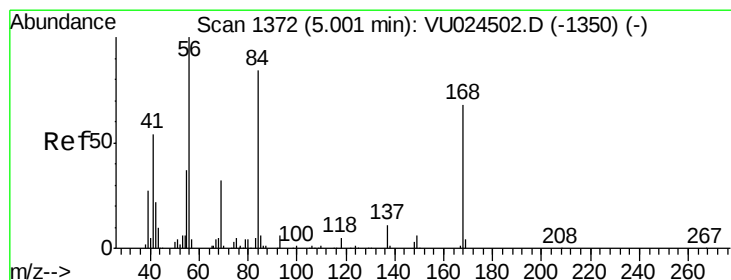
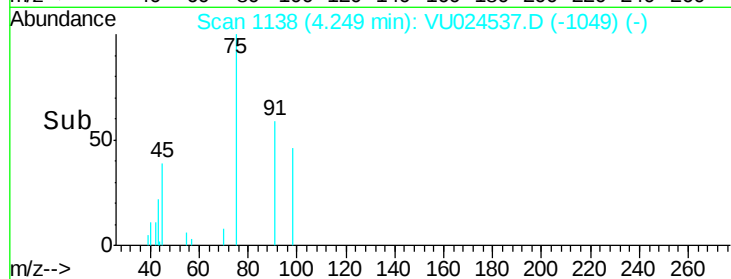
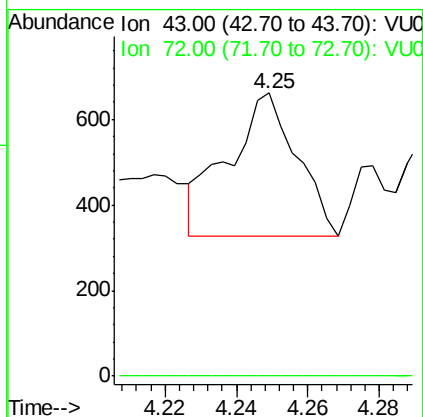
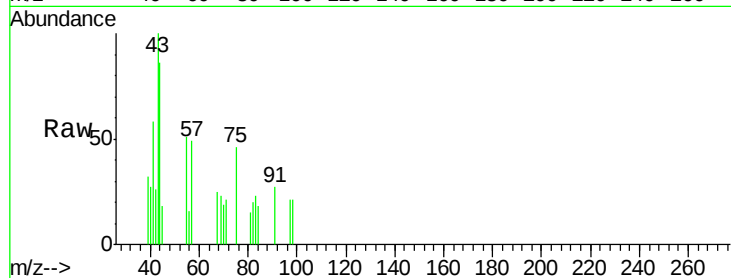




#25
2-Butanone
Concen: 0.215 ug/l
RT: 4.25 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

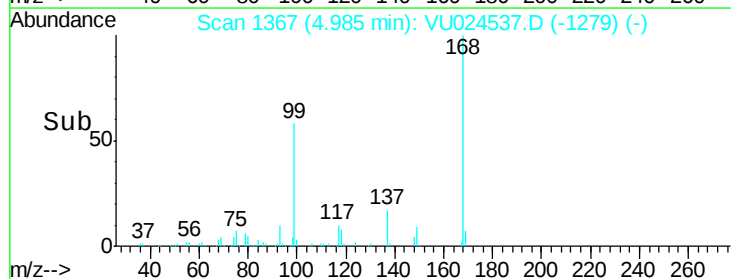
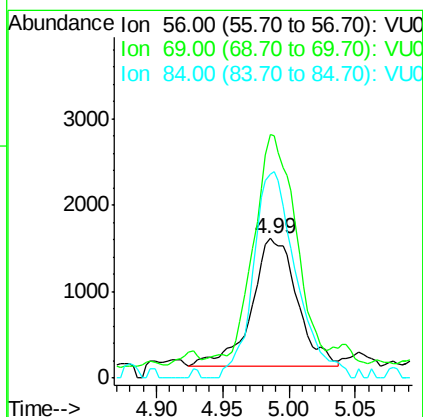
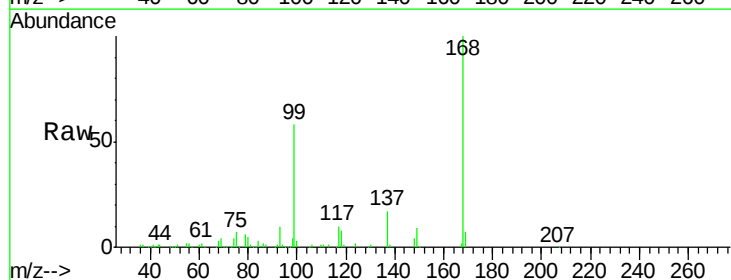
Instrument :
MSVOA_U
ClientSampleId :

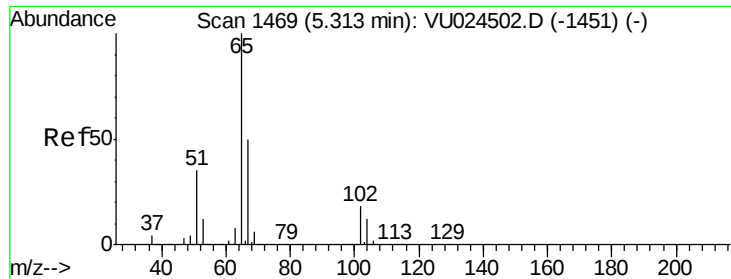
Tot Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

Tgt Ion: 56 Resp: 3569
Ion Ratio Lower Upper
56 100
69 170.2 24.8 37.2#
84 160.0 65.2 97.8#

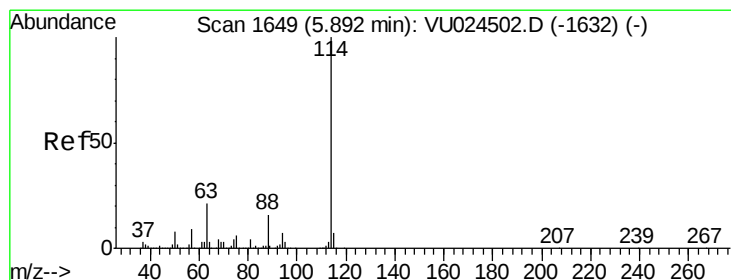
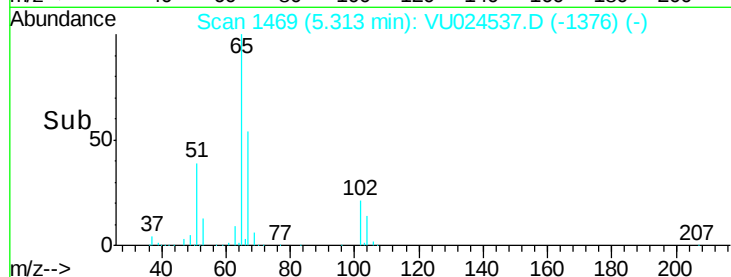
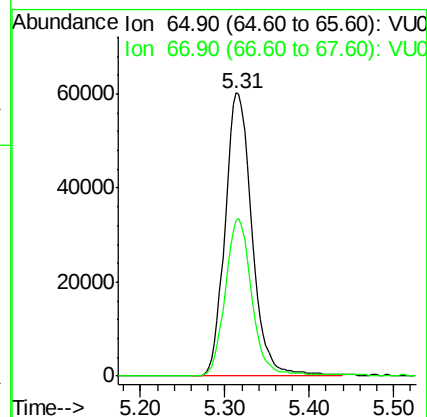
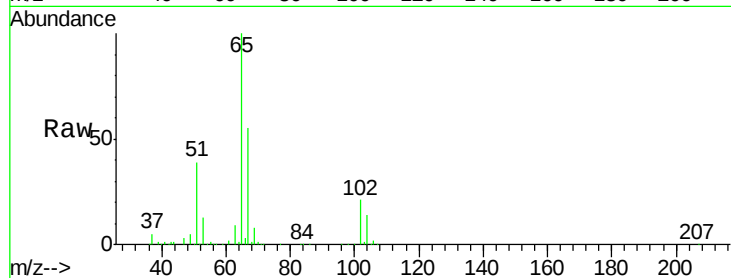




#33
 1,2-Dichloroethane-d4
 Concen: 46.835 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

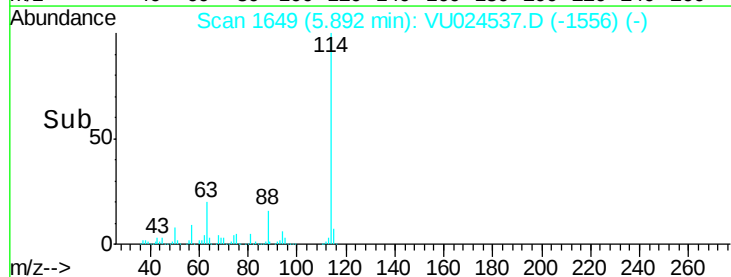
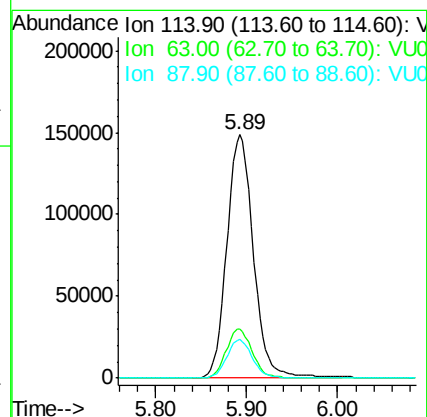
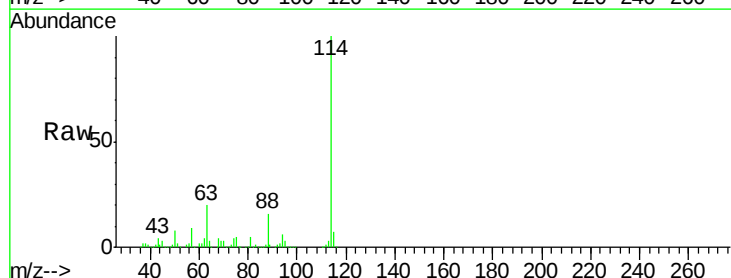
Instrument :
 MSVOA_U
 ClientSampleId :

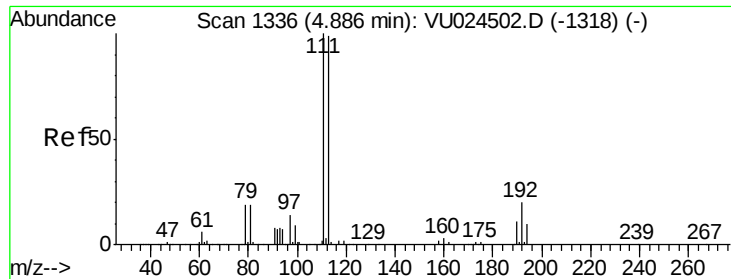
Tot Ion: 65 Resp: 133872
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

Tgt Ion: 114 Resp: 301654
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.8 0.0 31.0

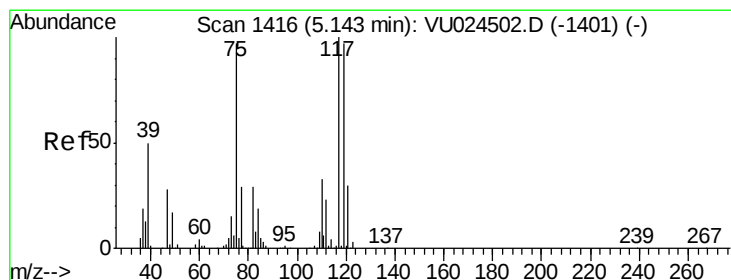
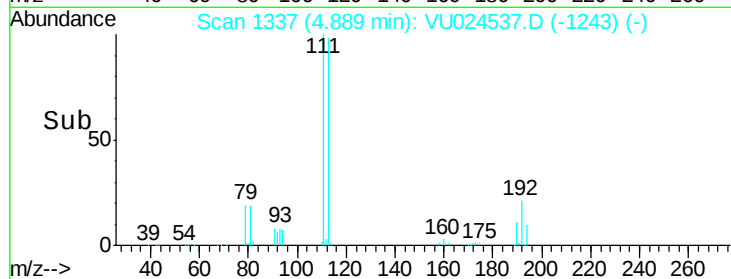
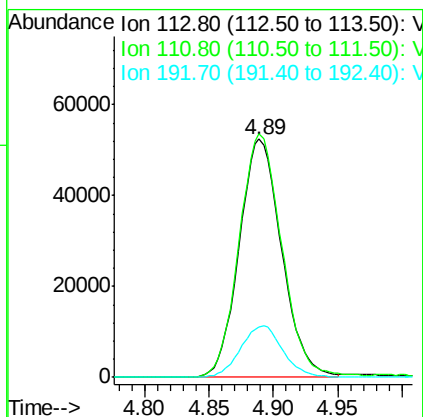
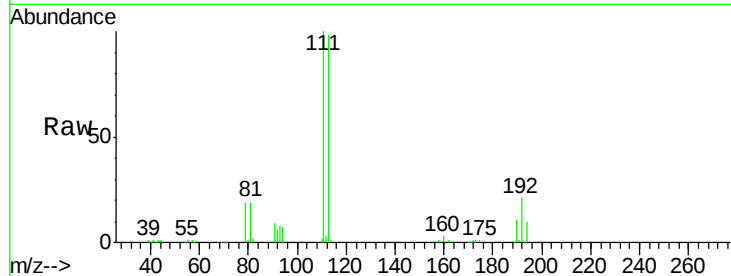




#35
 Dibromofluoromethane
 Concen: 47.935 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

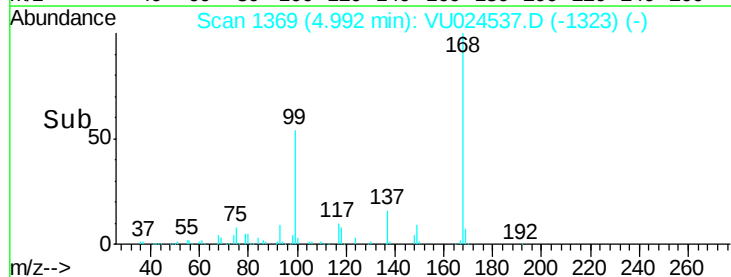
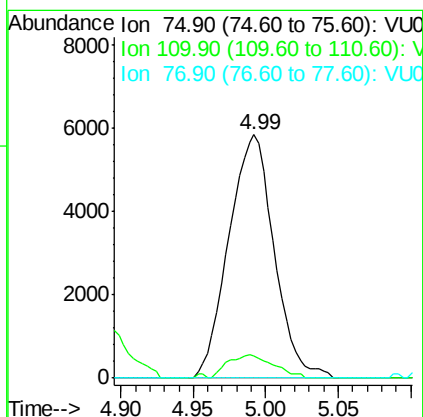
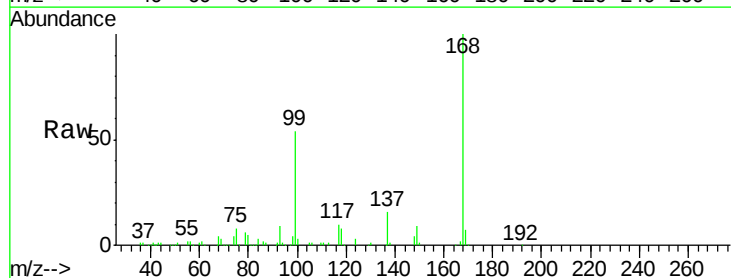
Instrument :
 MSVOA_U
 ClientSampleId :

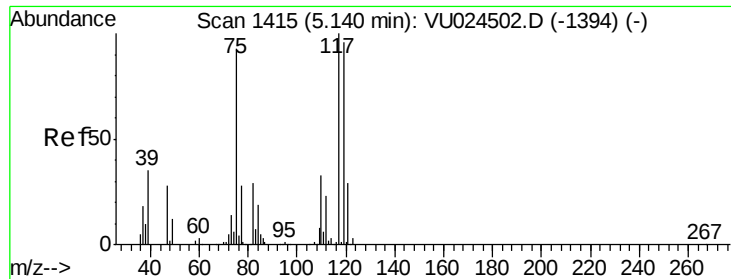
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	21.5	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.583 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU024537.D
 Acq: 14 Jun 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.285 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

Instrument :

MSVOA_U

ClientSampleId :

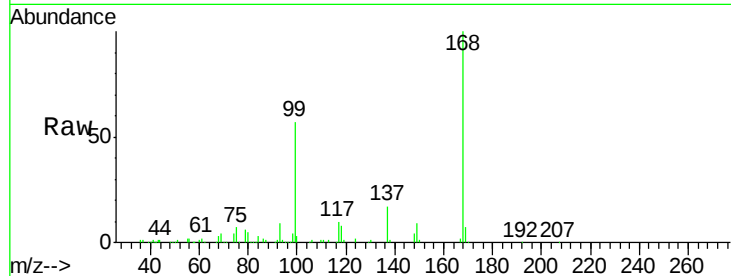
Tot Ion:117 Resp: 16702

Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

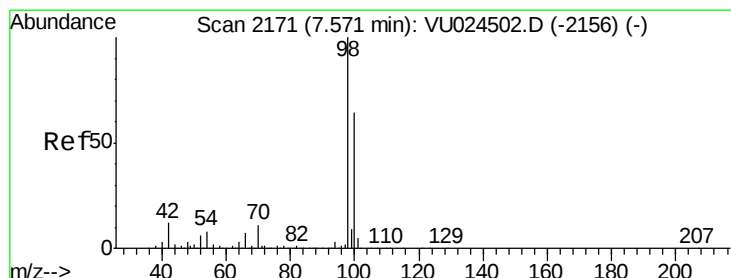
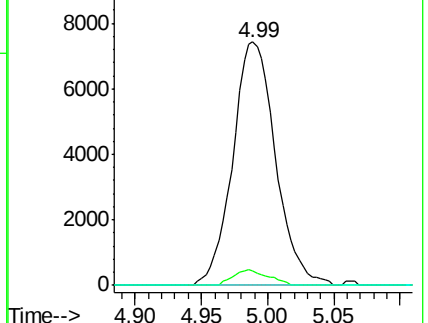
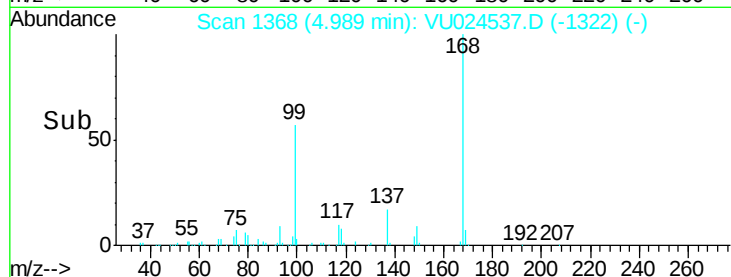
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.025 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024537.D

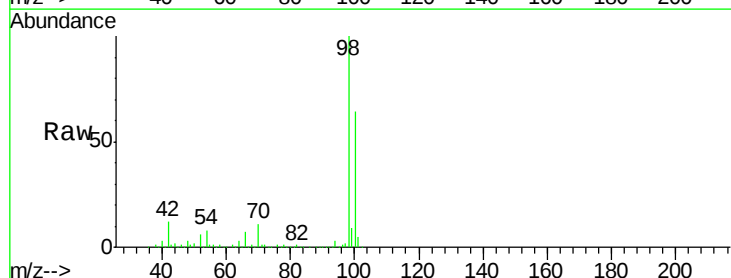
Acq: 14 Jun 2018 14:11

Tgt Ion: 98 Resp: 447687

Ion Ratio Lower Upper

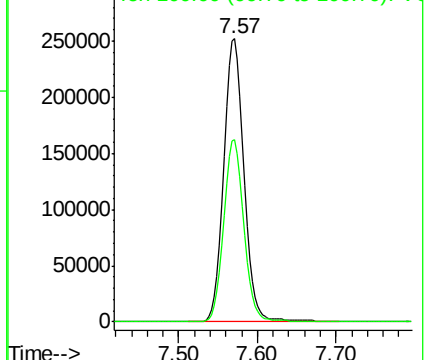
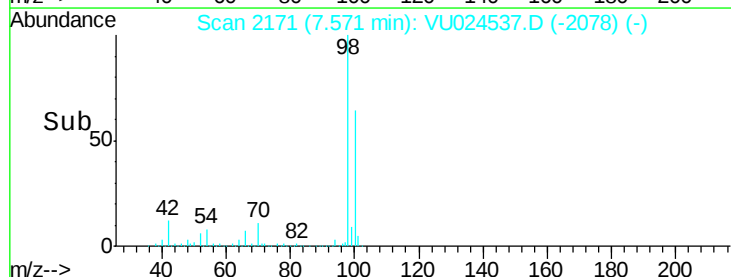
98 100

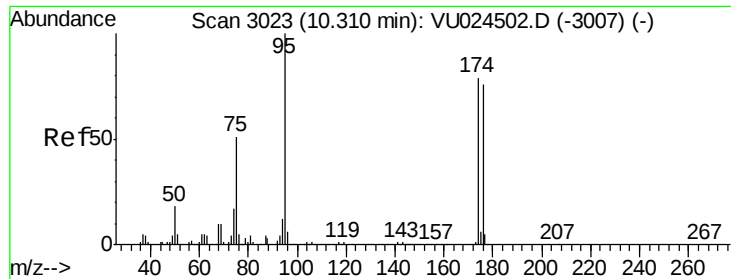
100 63.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

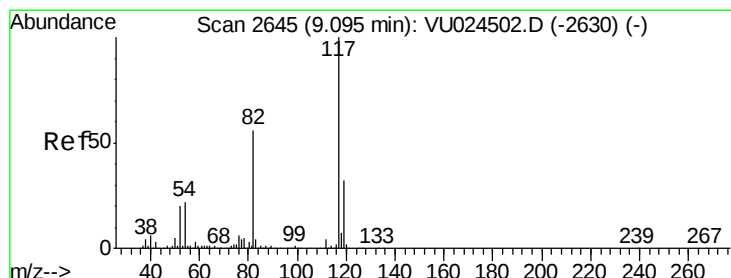
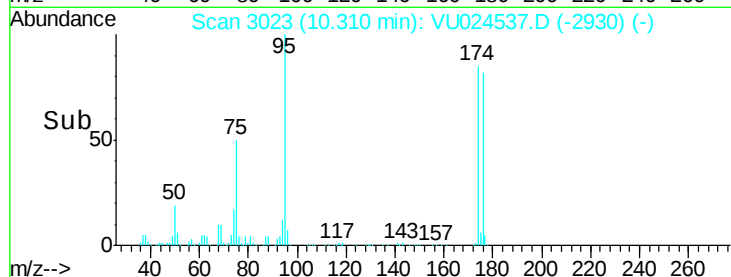
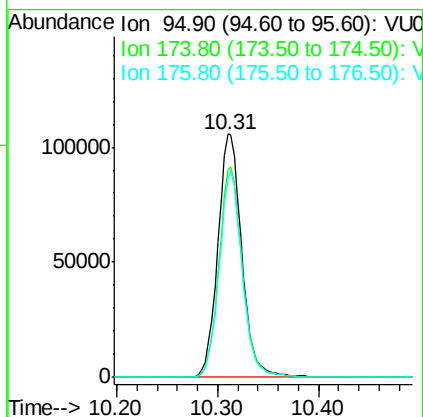
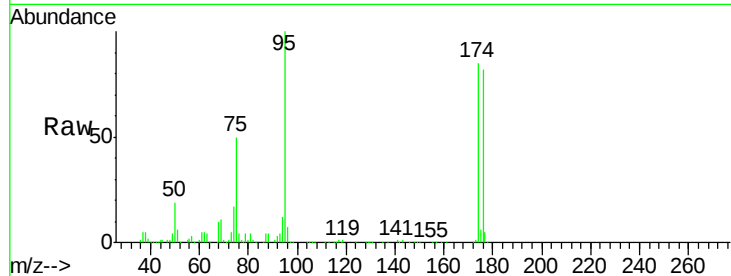




#62
4-Bromofluorobenzene
Concen: 48.301 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

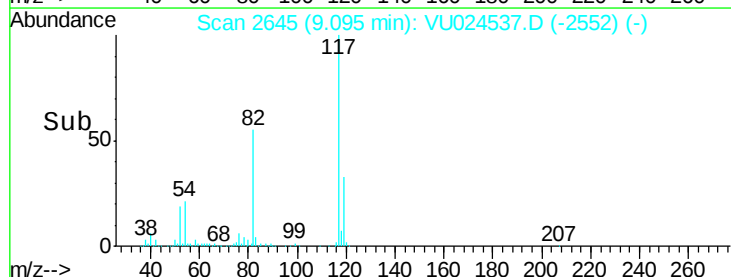
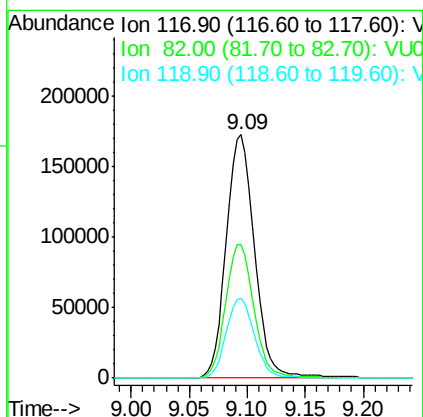
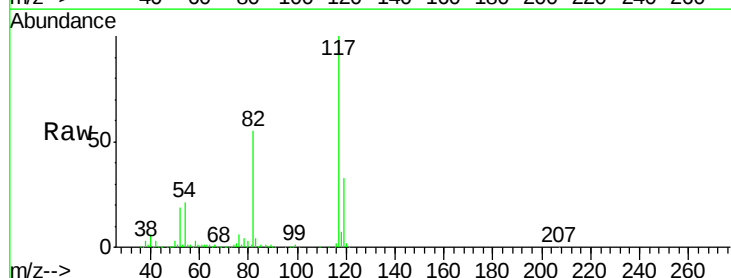
Instrument :
MSVOA_U
ClientSampled :

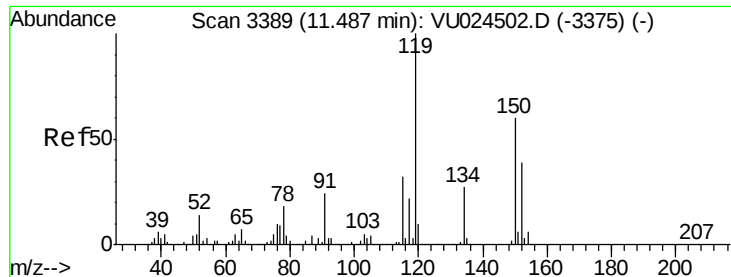
Tot Ion	95	Resp	175123
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	165.8
176	81.8	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

Tgt Ion	117	Resp	291061
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.3	66.5
119	32.5	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024537.D

Acq: 14 Jun 2018 14:11

Instrument :

MSVOA_U

ClientSampleId :

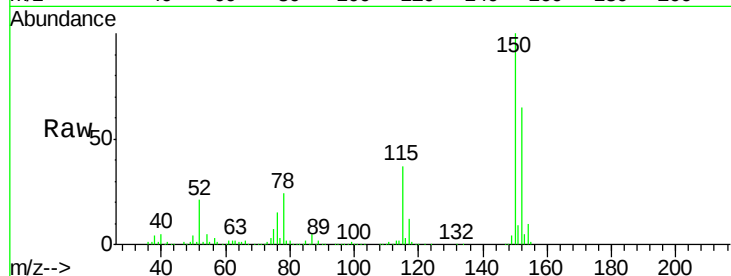
Tot Ion:152 Resp: 171741

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

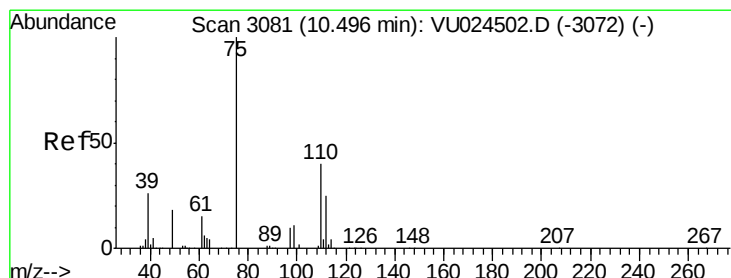
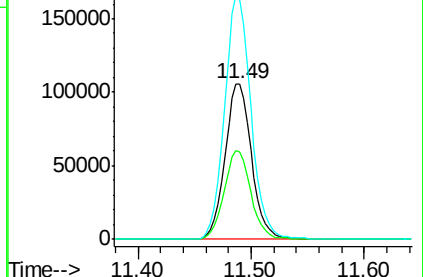
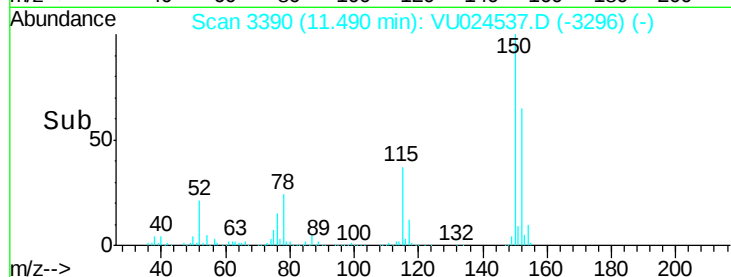
150 156.2 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 22.869 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU024537.D

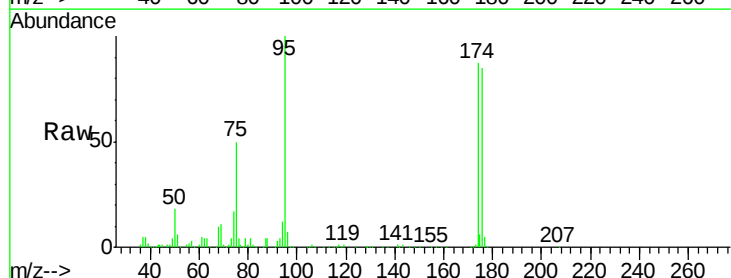
Acq: 14 Jun 2018 14:11

Tgt Ion: 75 Resp: 86470

Ion Ratio Lower Upper

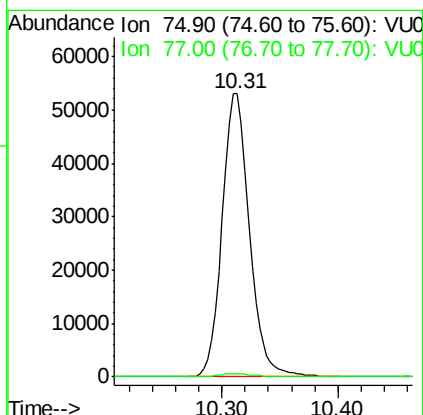
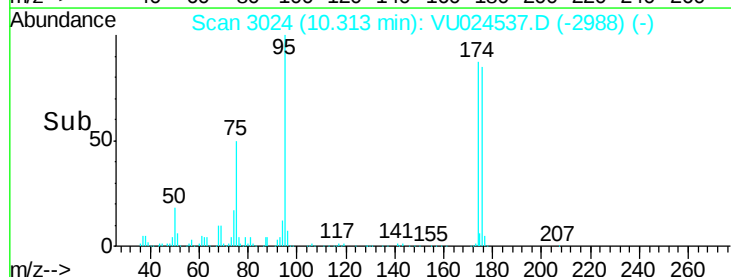
75 100

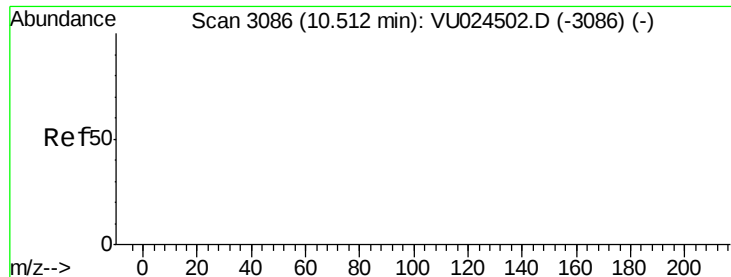
77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

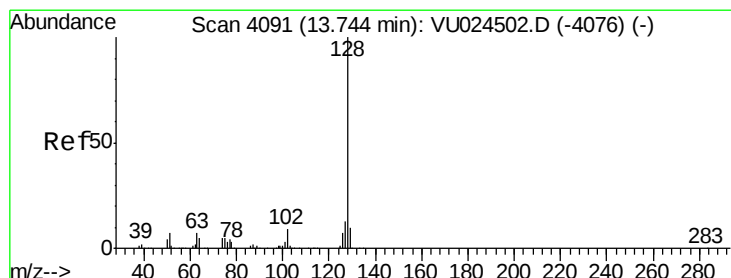
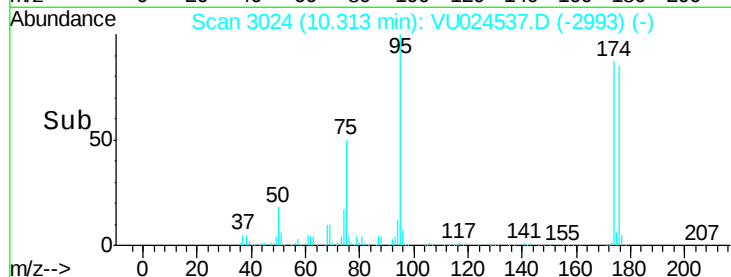
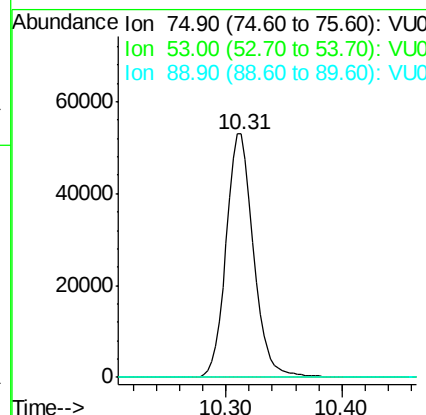
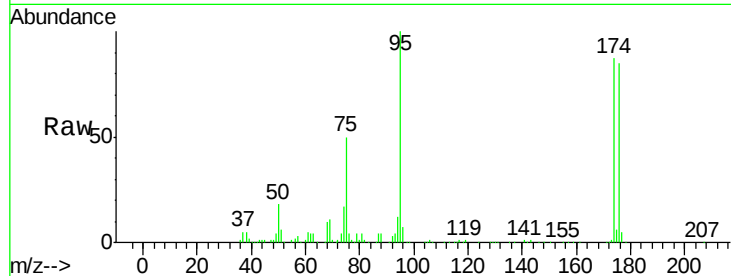




#81
trans-1,4-Dichloro-2-butene
Concen: 52.928 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.20 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 86470
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.696 ug/l
RT: 13.80 min Scan# 4107
Delta R.T. 0.05 min
Lab File: VU024537.D
Acq: 14 Jun 2018 14:11

Tgt Ion:128 Resp: 220
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

