

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025097.D
 Acq On : 30 Jun 2018 18:49
 Operator : MD/SY
 Sample : J3759-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW469-180626

Quant Time: Jul 02 05:40:05 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

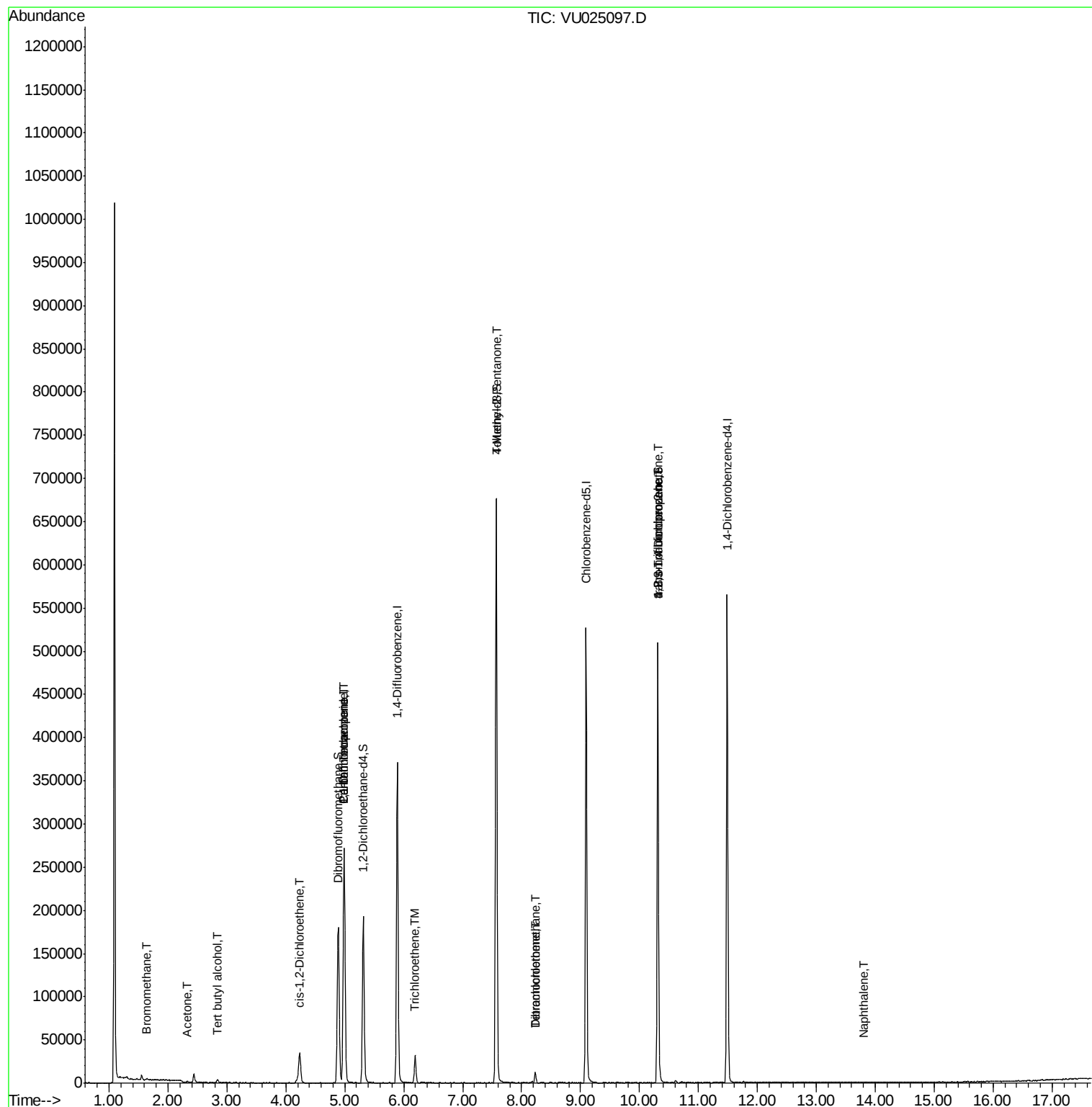
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	211475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	313648	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146681	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	158589	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
35) Dibromofluoromethane	4.89	113	120761	46.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.78%	
50) Toluene-d8	7.57	98	450394	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	10.31	95	164989	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.54%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	476	0.353	ug/l	93
6) Chloroethane	1.72	64	74	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	2550	3.037	ug/l #	72
16) Acetone	2.32	43	1166	0.629	ug/l	90
27) cis-1,2-Dichloroethene	4.23	96	20157	6.611	ug/l	88
31) Cyclohexane	4.99	56	4104	Below Cal	#	2
36) 1,1-Dichloropropene	4.99	75	15573	4.225	ug/l #	52
38) Carbon Tetrachloride	4.99	117	20025	4.941	ug/l #	16
44) Trichloroethene	6.19	130	11523	3.855	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	2147	0.492	ug/l #	1
60) Dibromochloromethane	8.23	129	2748	0.802	ug/l #	11
64) Tetrachloroethene	8.23	164	2927	1.066	ug/l	86
76) 1,2,3-Trichloropropane	10.31	75	87298	27.032	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	87298	62.564	ug/l #	100
95) Naphthalene	13.80	128	120	0.690	ug/l #	69

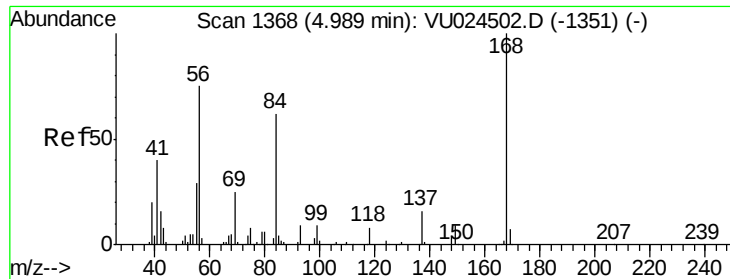
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

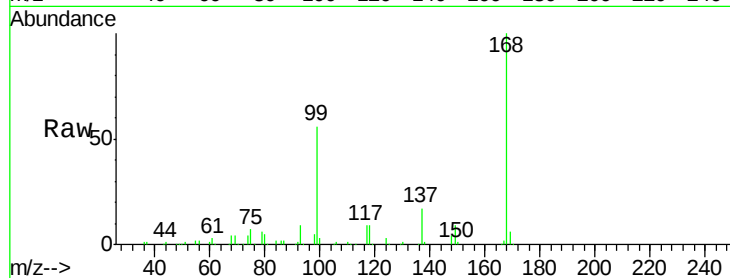
WP021MW469-180626

Tgt Ion:168 Resp: 211475

Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

100000

80000

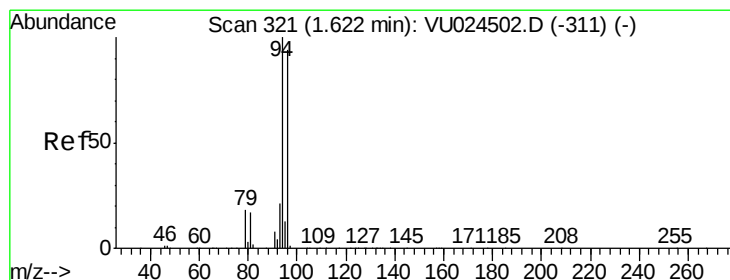
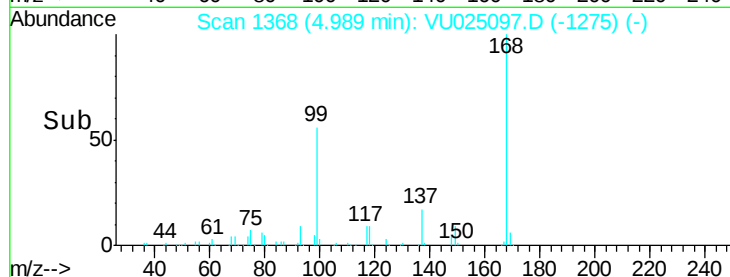
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025097.D

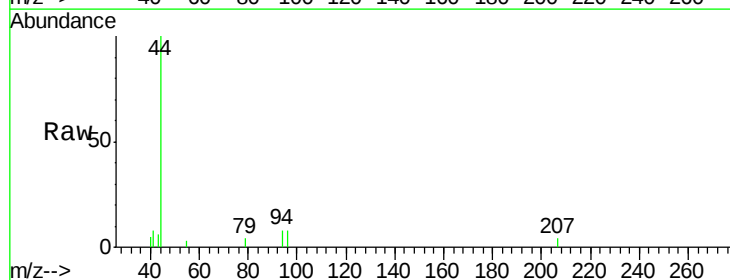
Acq: 30 Jun 2018 18:49

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

96 99.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D

Ion 95.90 (95.60 to 96.60): VU024502.D

1.64

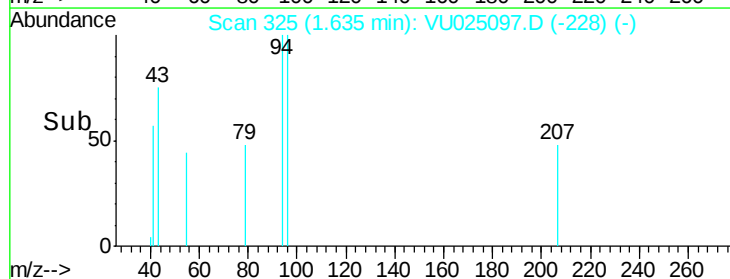
300

200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 351

Delta R.T. 0.02 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

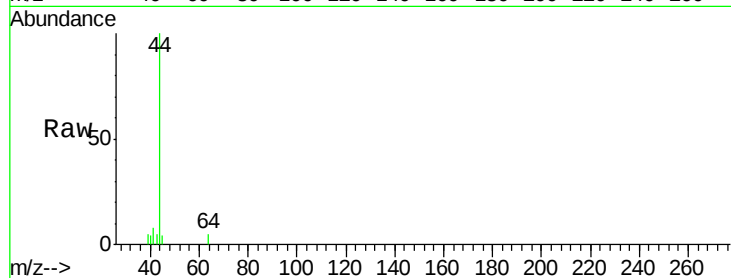
WP021MW469-180626

Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.72

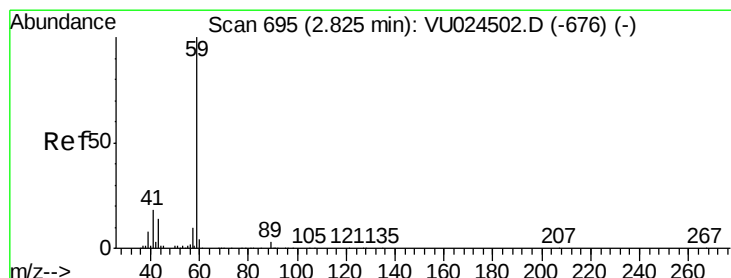
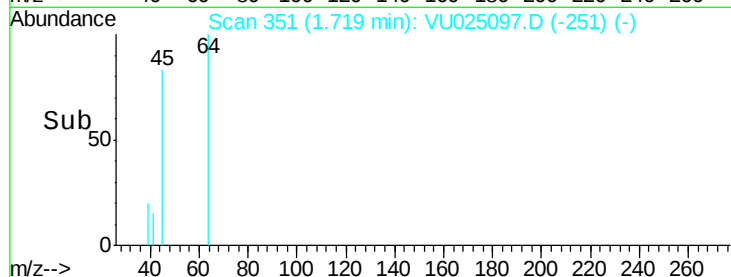
150

100

50

0

Time--> 1.70 1.71 1.72 1.73



#11

Tert butyl alcohol

Concen: 3.037 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU025097.D

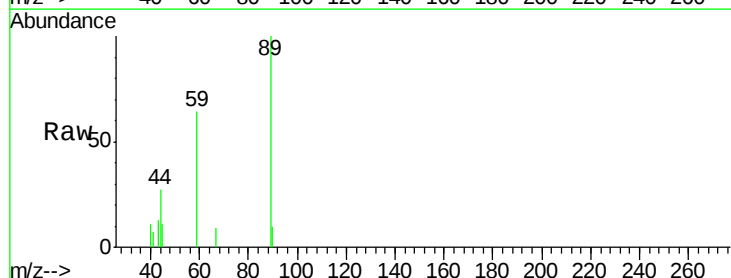
Acq: 30 Jun 2018 18:49

Tgt Ion: 59 Resp: 2550

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

1200

1000

800

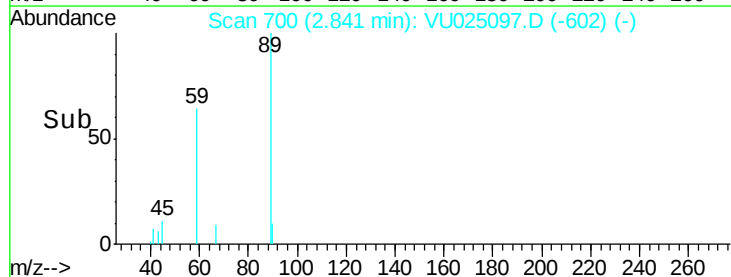
600

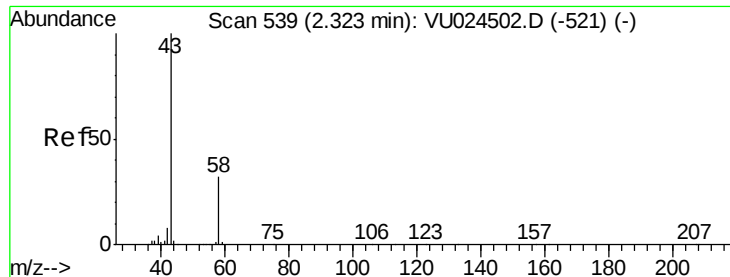
400

200

0

Time--> 2.80 2.85 2.90





#16

Acetone

Concen: 0.629 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

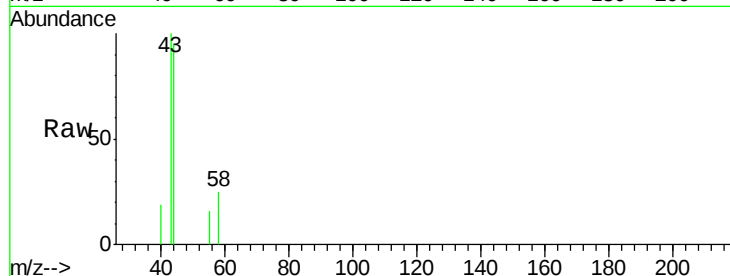
WP021MW469-180626

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 25.1 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) (-)

2.32

600

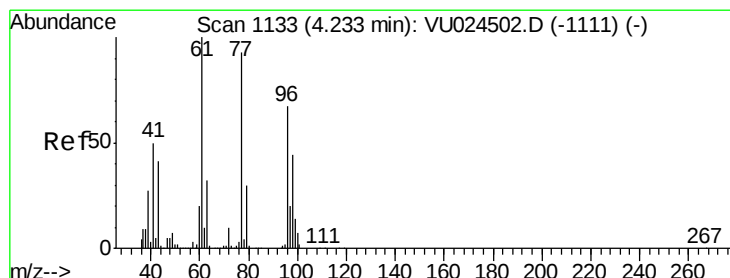
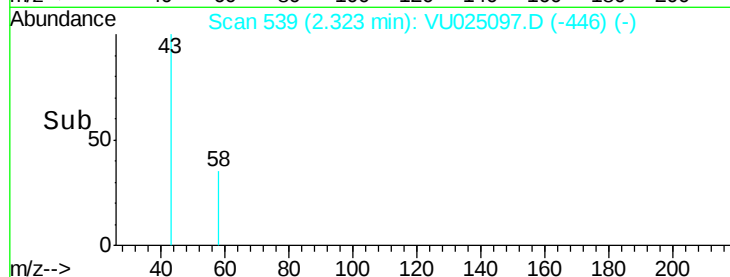
400

200

0

2.30 2.35

Time-->



#27

cis-1,2-Dichloroethene

Concen: 6.611 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

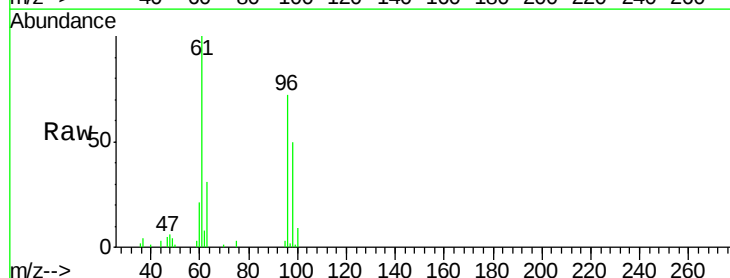
Tgt Ion: 96 Resp: 20157

Ion Ratio Lower Upper

96 100

61 131.7 0.0 306.6

98 65.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-1111) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-1111) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1111) (-)

4.23

15000

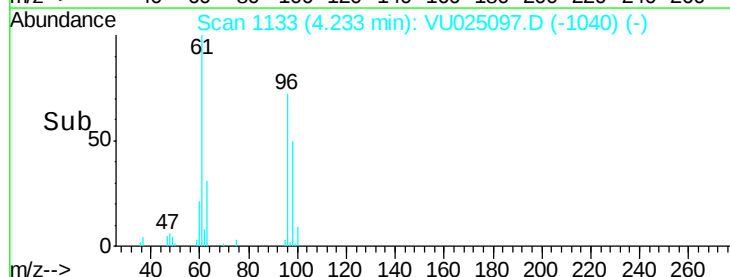
10000

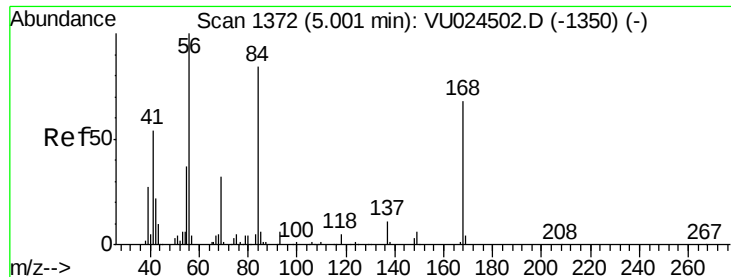
5000

0

4.15 4.20 4.25 4.30 4.35

Time-->

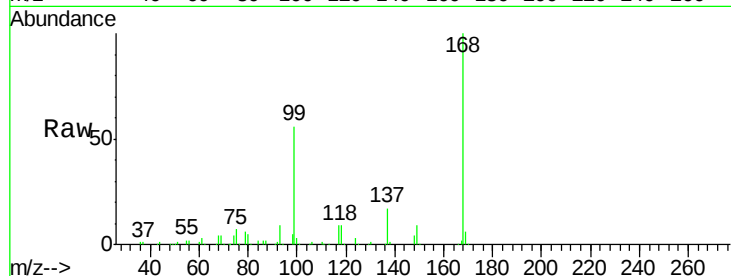




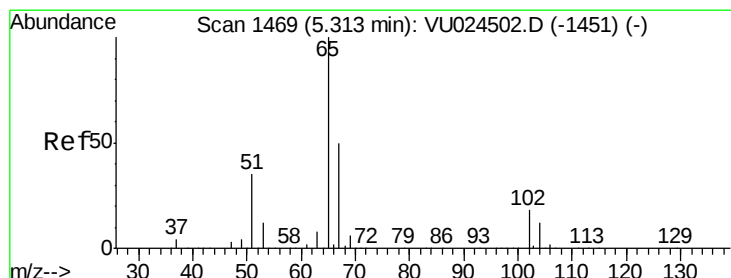
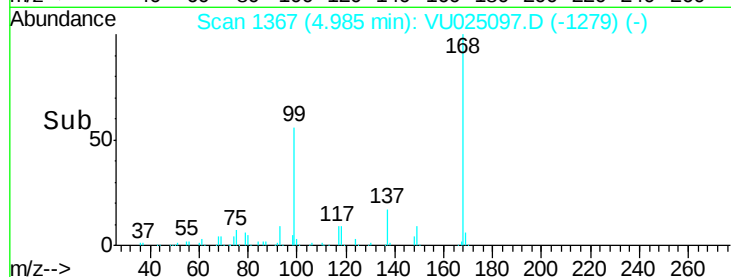
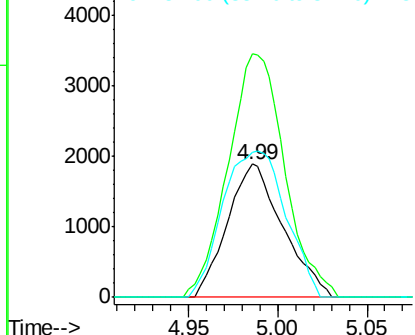
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025097.D
Acq: 30 Jun 2018 18:49

Instrument :
MSVOA_U
ClientSampleId :
WP021MW469-180626

Tgt Ion: 56 Resp: 4104
Ion Ratio Lower Upper
56 100
69 182.8 24.8 37.2#
84 108.8 65.2 97.8#

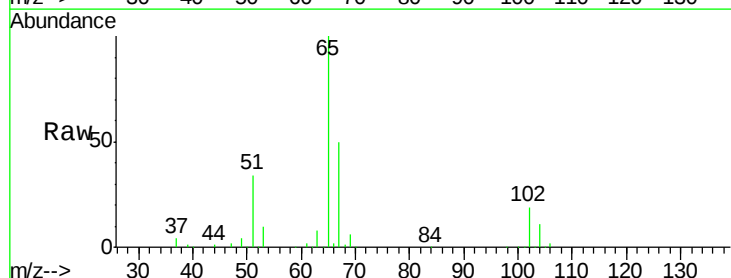


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

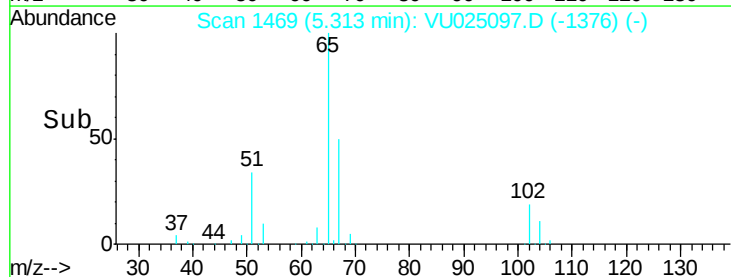
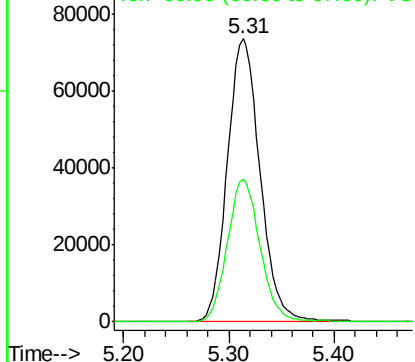


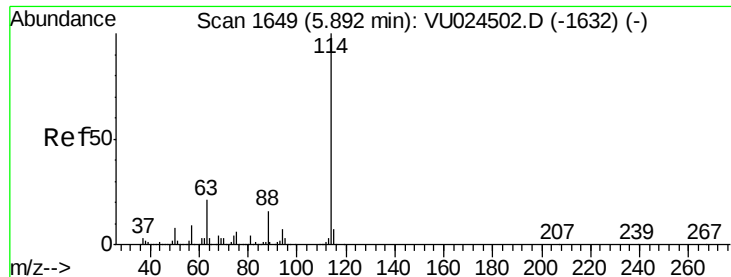
#33
1,2-Dichloroethane-d4
Concen: 45.936 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025097.D
Acq: 30 Jun 2018 18:49

Tgt Ion: 65 Resp: 158589
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

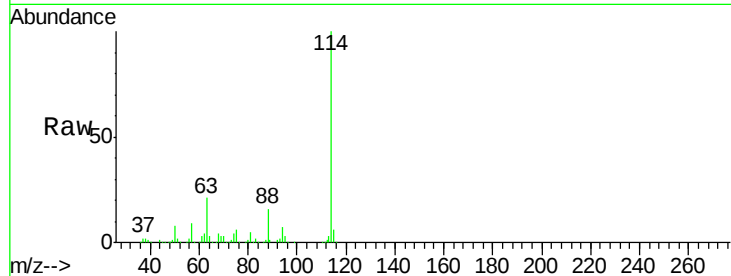




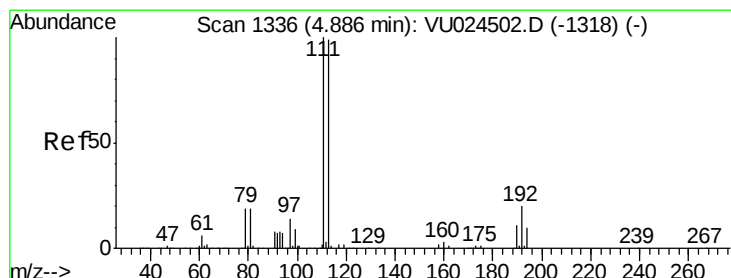
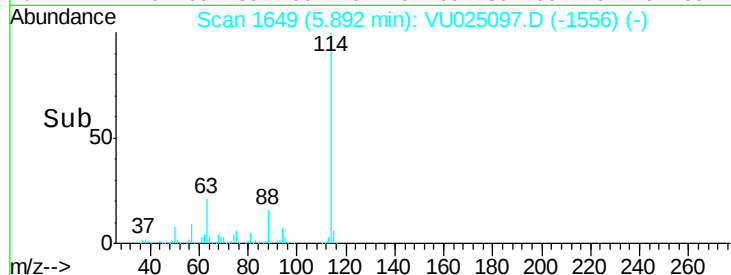
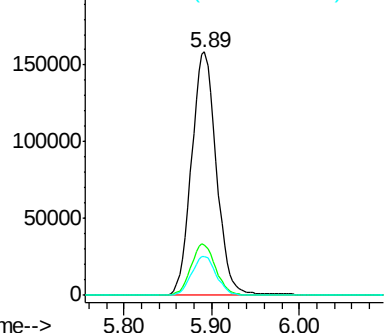
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW469-180626

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	16.1	0.0	31.0

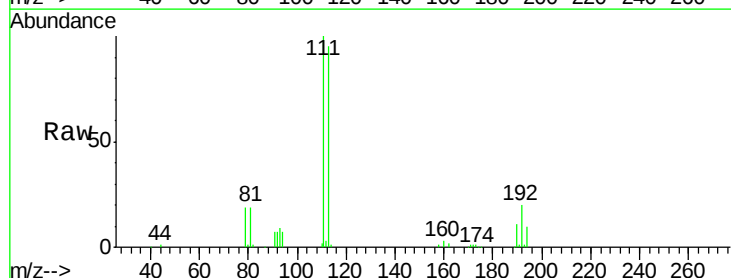


Abundance Ion 113.90 (113.60 to 114.60): V

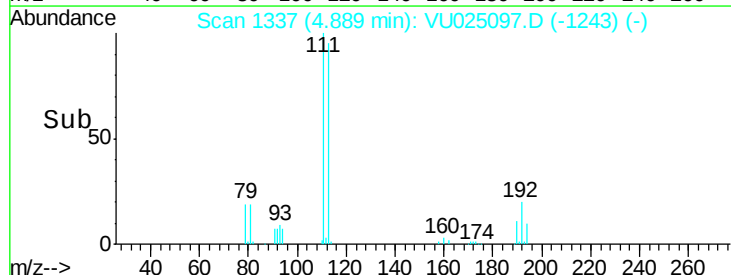
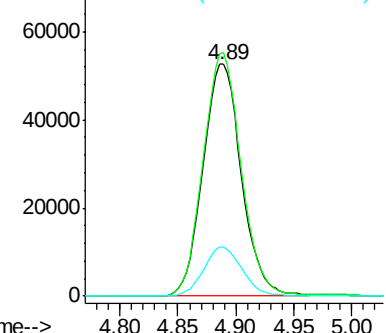


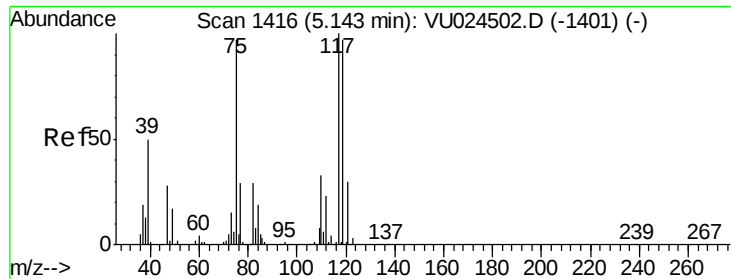
#35
 Dibromofluoromethane
 Concen: 46.392 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	21.1	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V

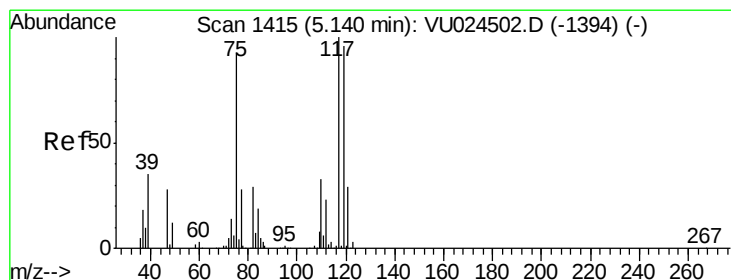
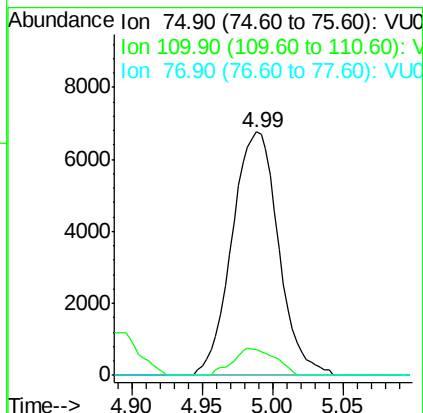
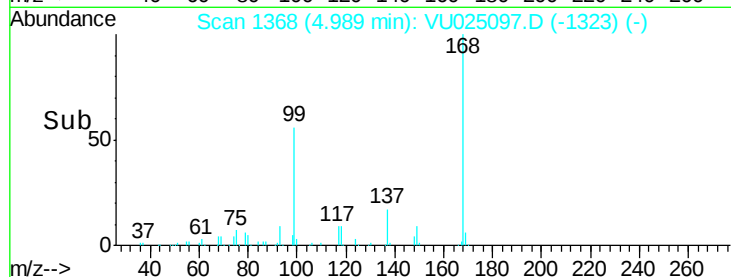
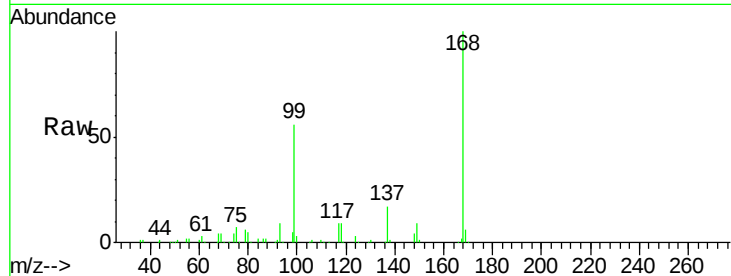




#36
 1,1-Dichloropropene
 Concen: 4.225 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

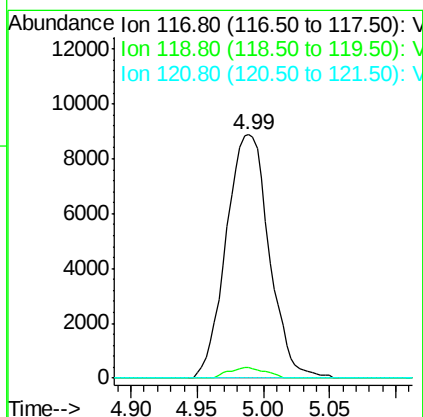
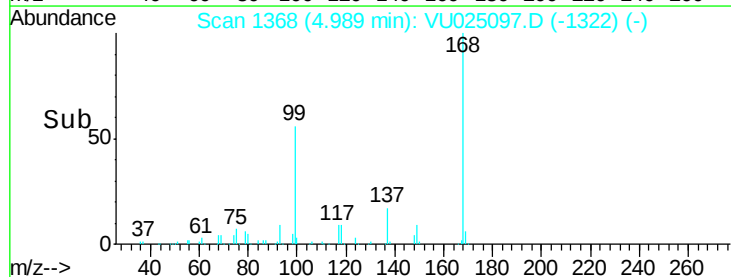
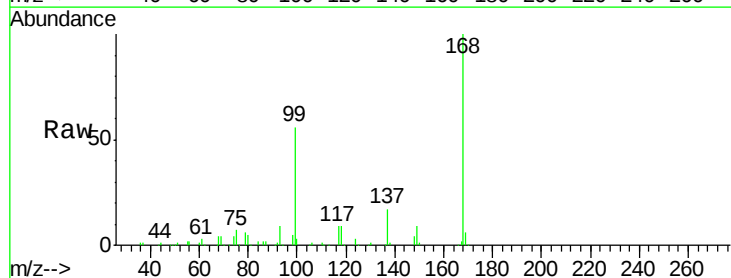
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW469-180626

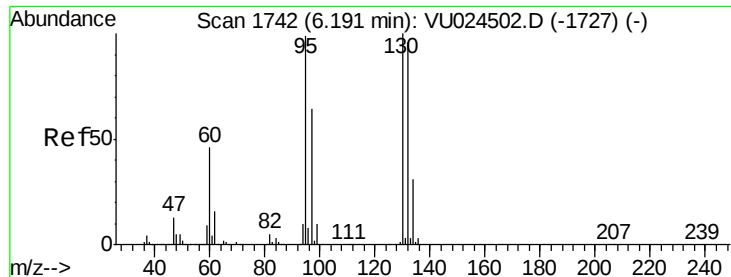
Tgt Ion: 75 Resp: 15573
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.941 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

Tgt Ion: 117 Resp: 20025
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 3.855 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

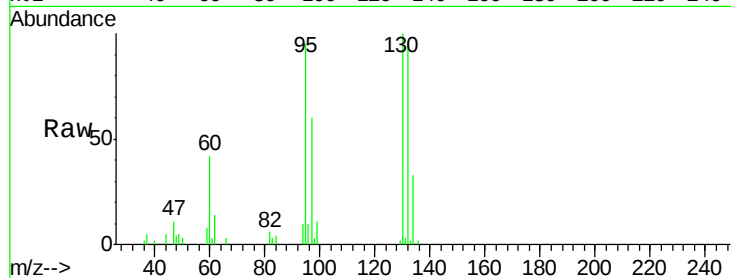
WP021MW469-180626

Tgt Ion:130 Resp: 11523

Ion Ratio Lower Upper

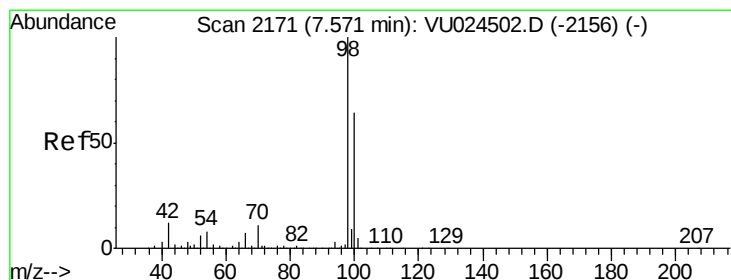
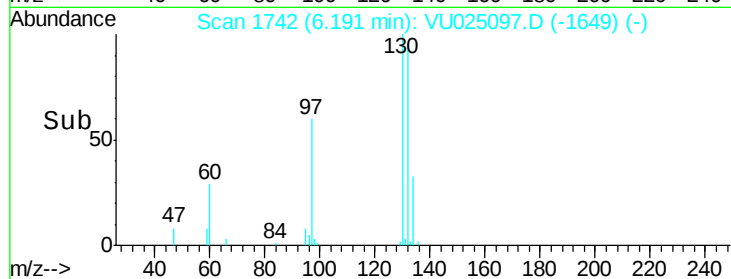
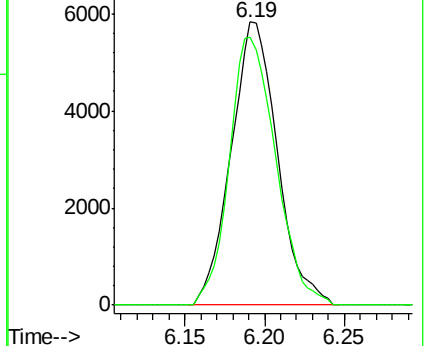
130 100

95 94.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.436 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025097.D

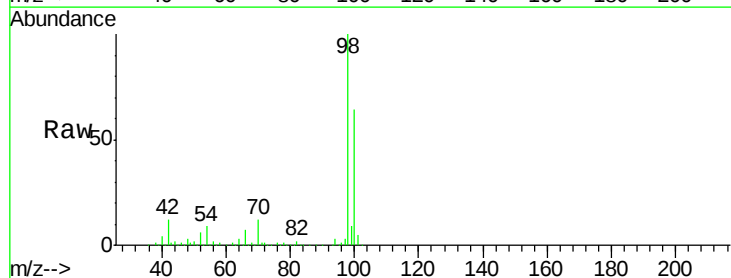
Acq: 30 Jun 2018 18:49

Tgt Ion: 98 Resp: 450394

Ion Ratio Lower Upper

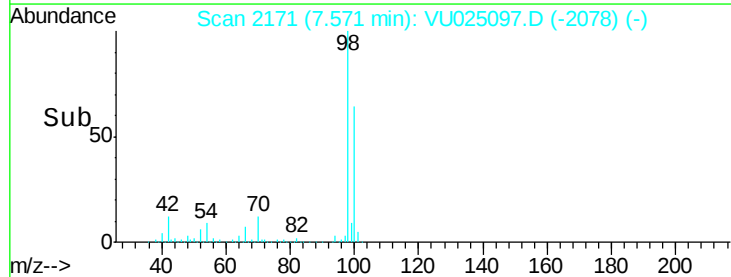
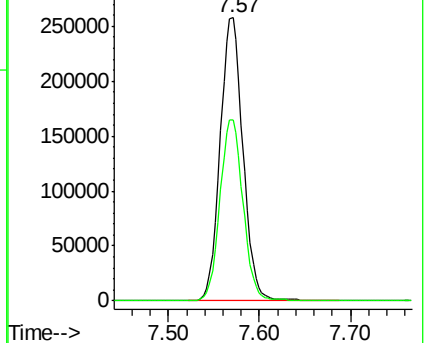
98 100

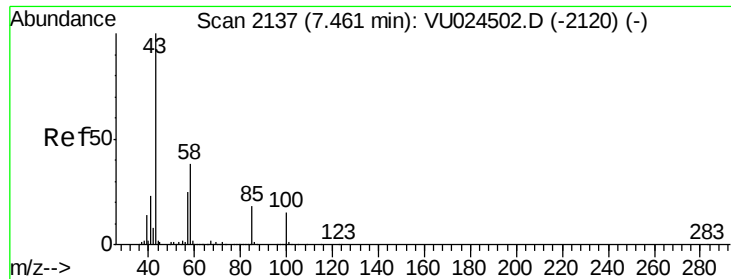
100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.492 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

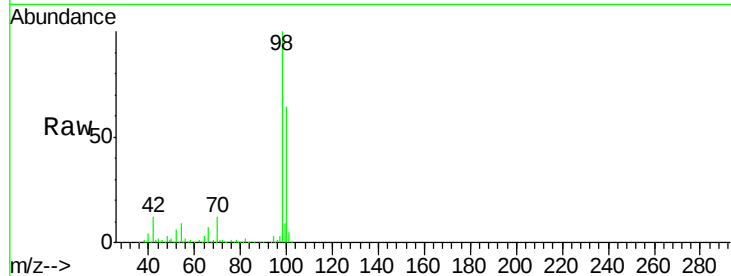
WP021MW469-180626

Tgt Ion: 43 Resp: 2147

Ion Ratio Lower Upper

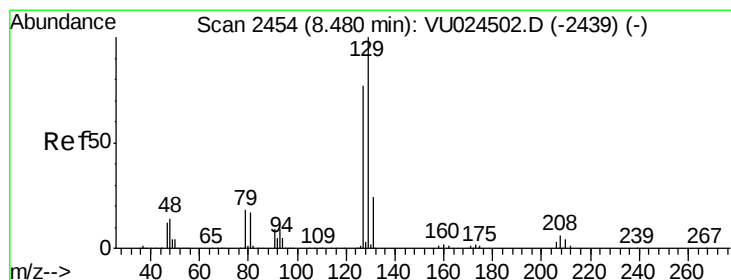
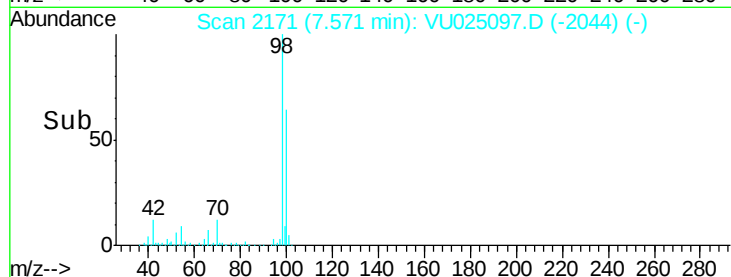
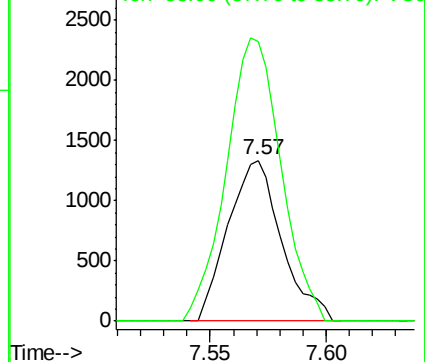
43 100

58 179.3 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#60

Dibromochloromethane

Concen: 0.802 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU025097.D

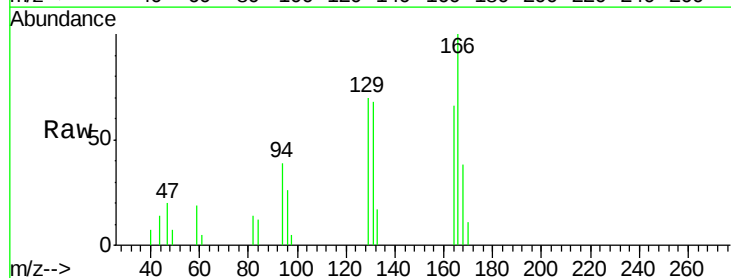
Acq: 30 Jun 2018 18:49

Tgt Ion: 129 Resp: 2748

Ion Ratio Lower Upper

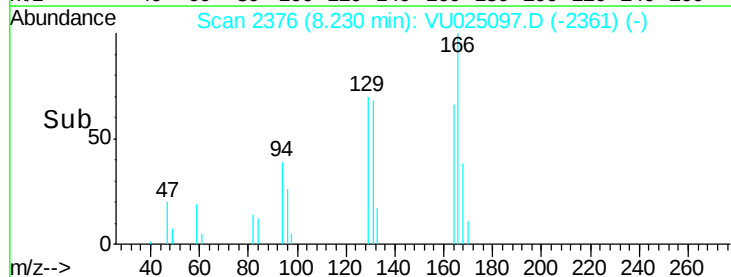
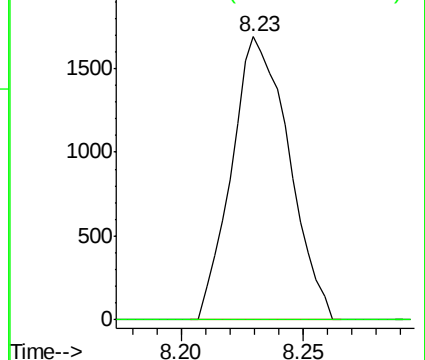
129 100

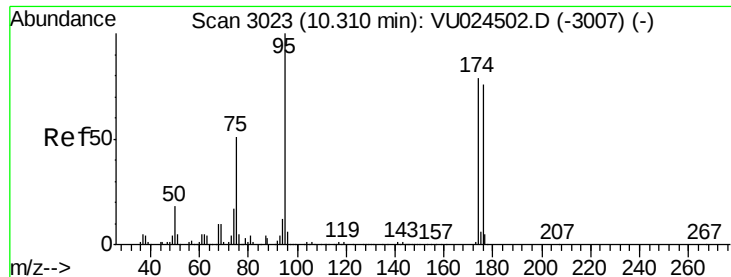
127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 43.766 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

WP021MW469-180626

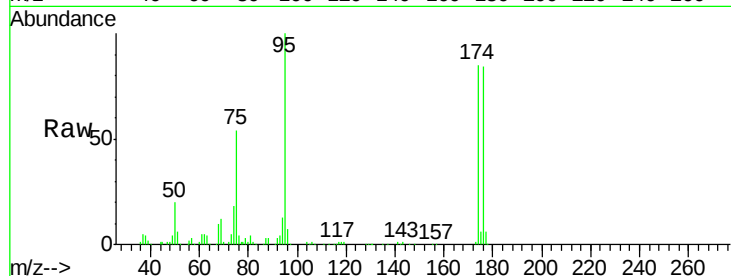
Tgt Ion: 95 Resp: 164989

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

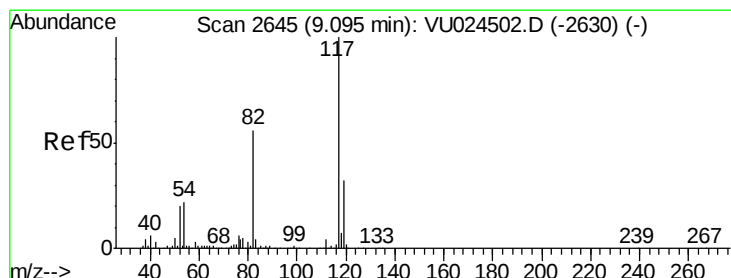
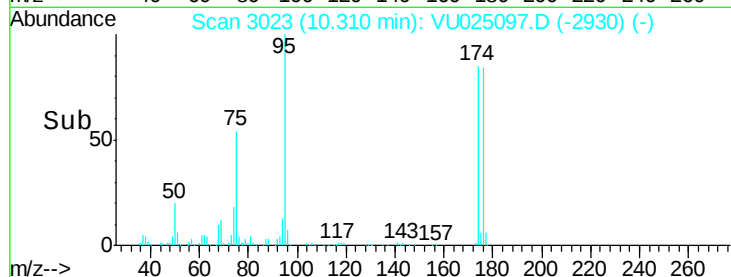
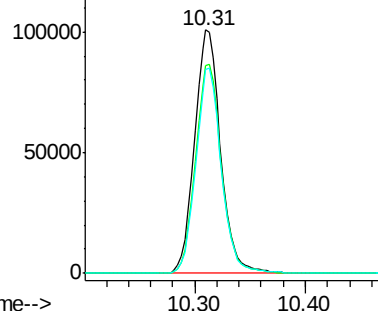
176 82.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

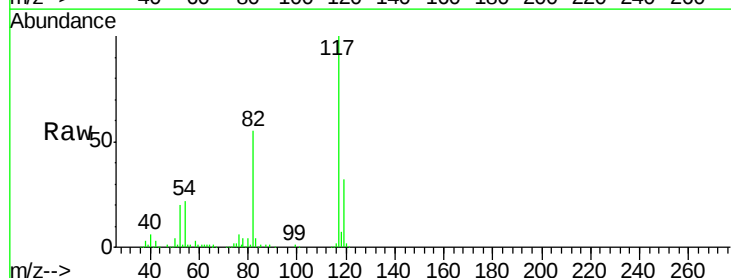
Tgt Ion: 117 Resp: 288736

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

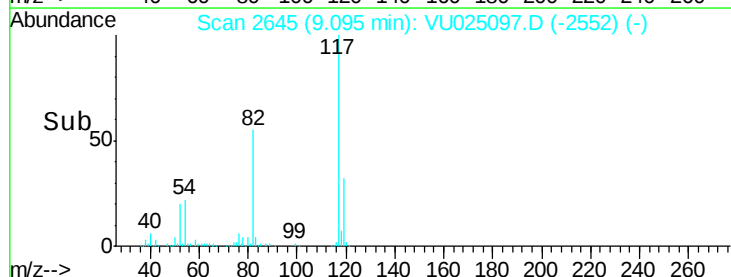
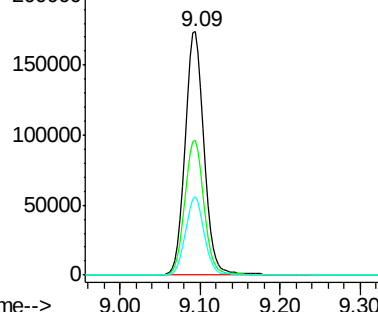
119 32.2 25.4 38.2

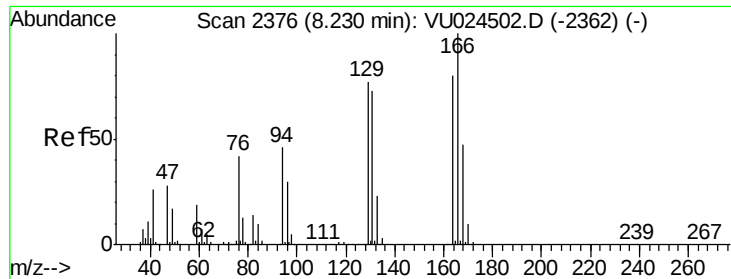


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#64

Tetrachloroethene

Concen: 1.066 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

WP021MW469-180626

Tgt Ion:164 Resp: 2927

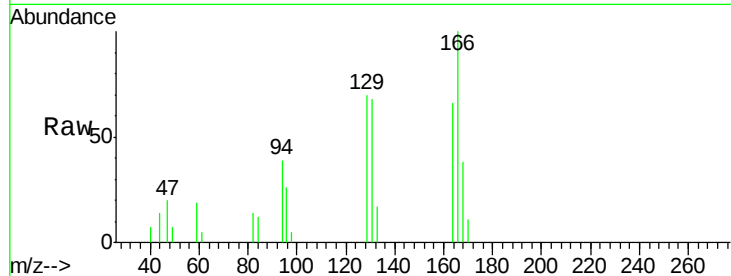
Ion Ratio Lower Upper

164 100

166 151.0 101.7 152.5

129 106.4 76.9 115.3

131 102.6 74.9 112.3

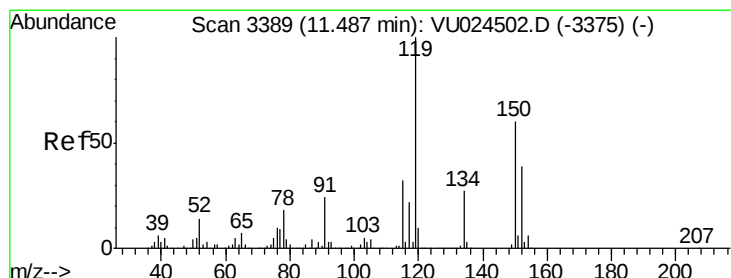
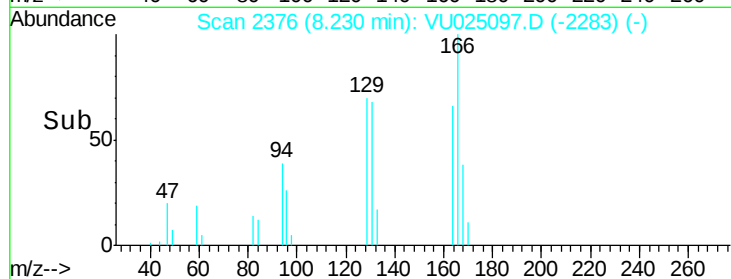
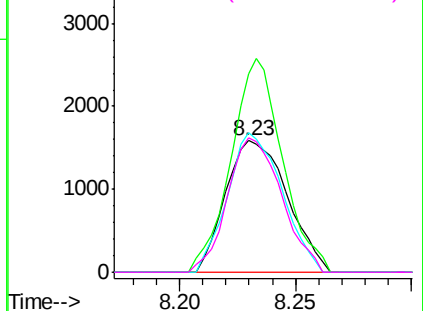


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025097.D

Acq: 30 Jun 2018 18:49

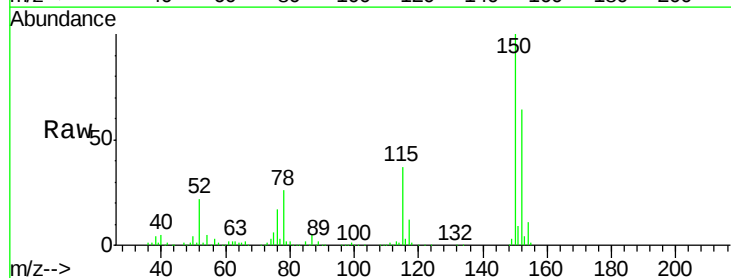
Tgt Ion:152 Resp: 146681

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

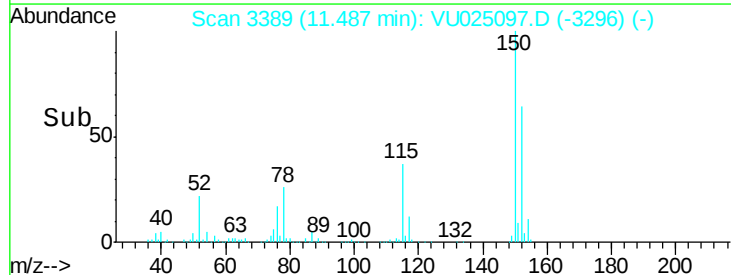
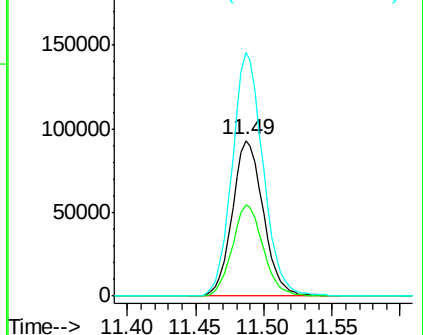
150 156.3 0.0 354.0

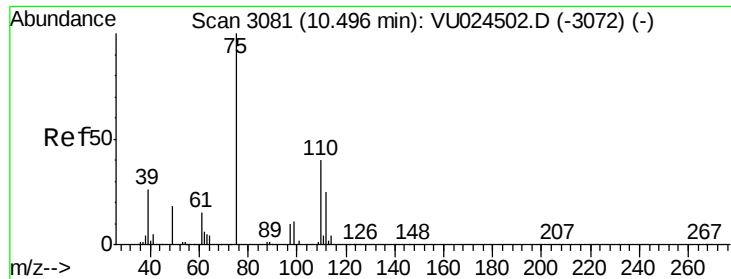


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

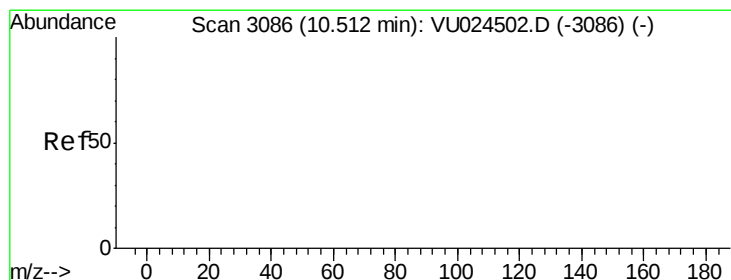
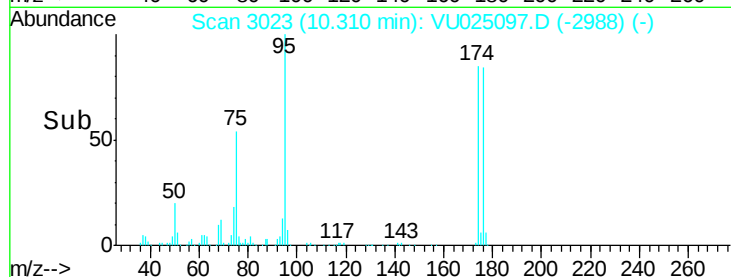
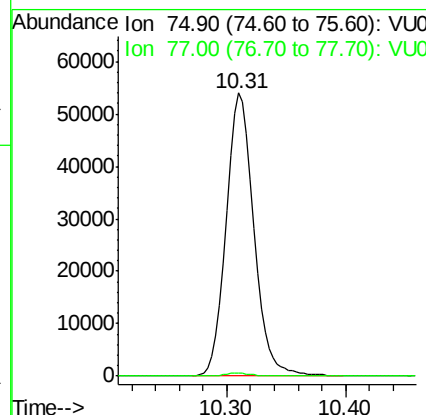
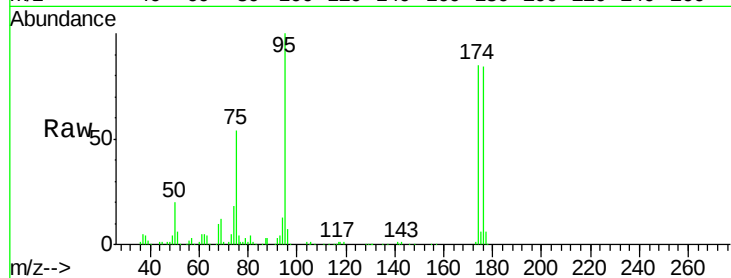




#76
 1,2,3-Trichloropropane
 Concen: 27.032 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

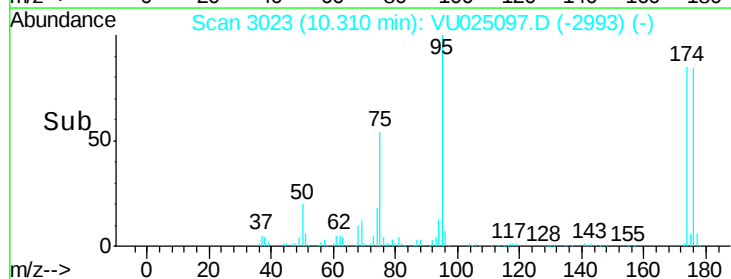
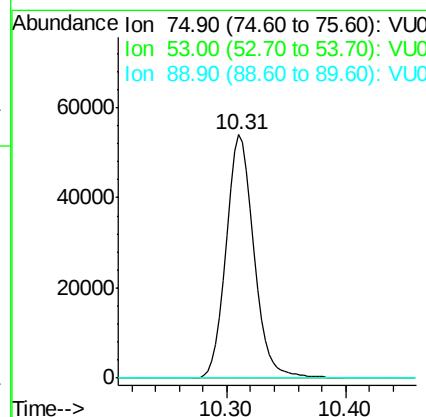
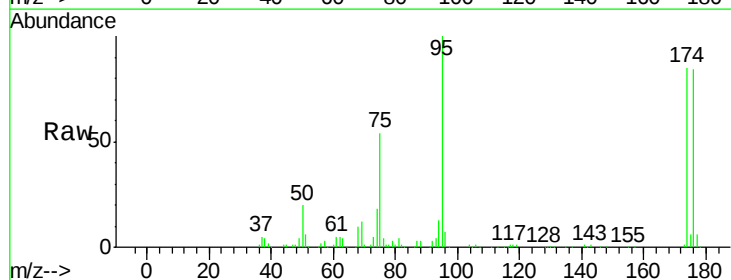
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW469-180626

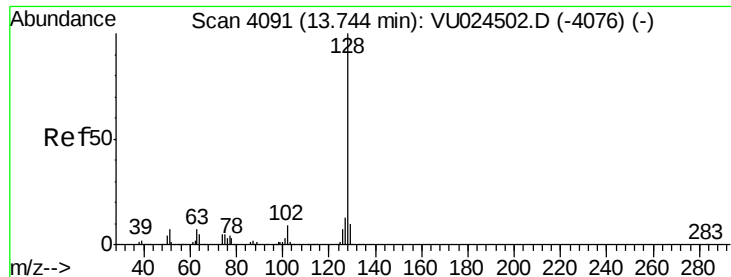
Tgt Ion: 75 Resp: 87298
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.564 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025097.D
 Acq: 30 Jun 2018 18:49

Tgt Ion: 75 Resp: 87298
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.690 ug/l
RT: 13.80 min Scan# 4107
Delta R.T. 0.05 min
Lab File: VU025097.D
Acq: 30 Jun 2018 18:49

Instrument :
MSVOA_U
ClientSampleId :
WP021MW469-180626

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

