

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025096.D
 Acq On : 30 Jun 2018 18:24
 Operator : MD/SY
 Sample : J3759-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW462-180626

Quant Time: Jul 02 05:39:52 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

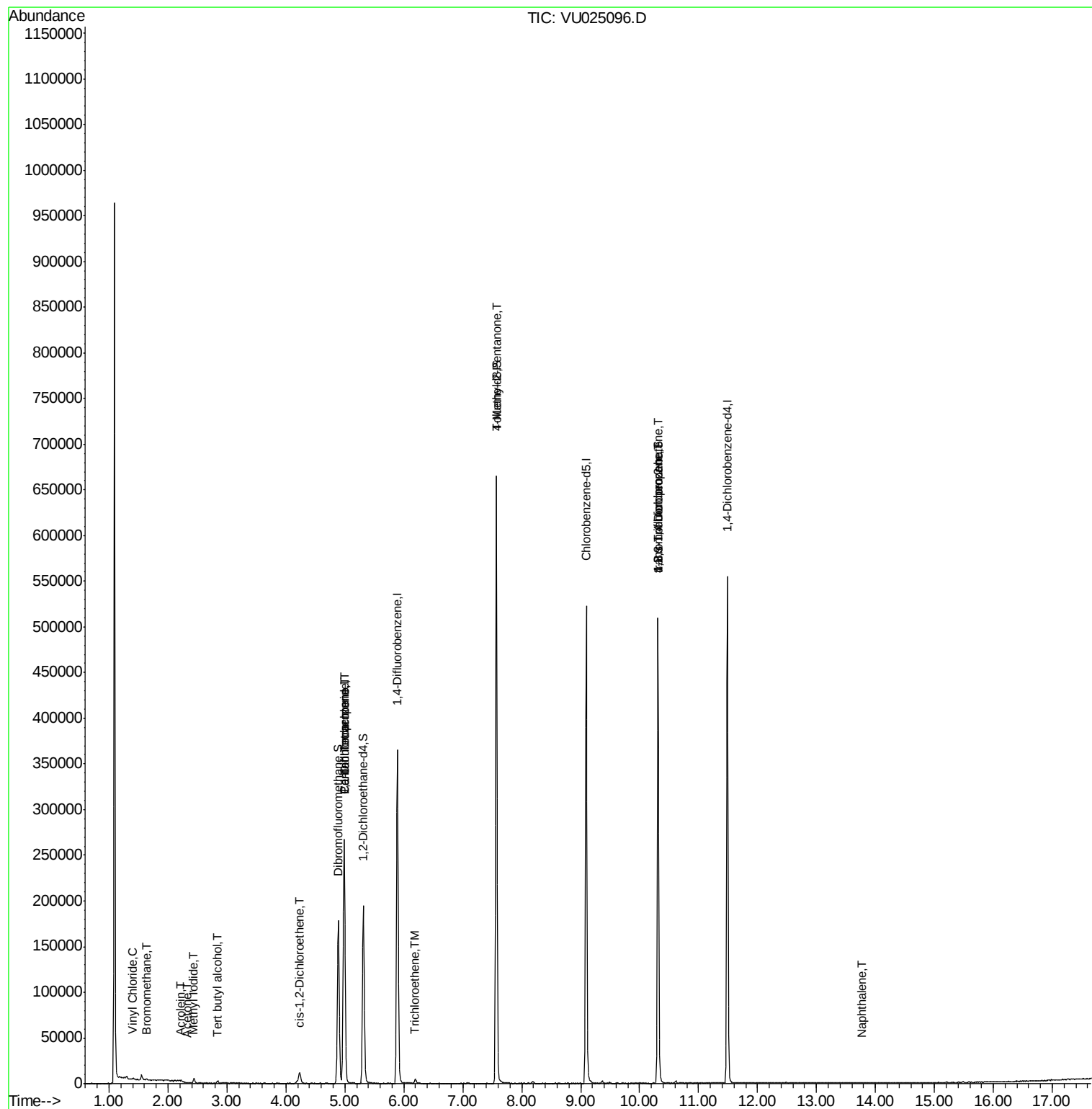
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	204544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307873	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145455	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	156573	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
35) Dibromofluoromethane	4.89	113	120717	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	7.57	98	441453	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	10.31	95	161042	43.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.04%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	746	0.277	ug/l #	80
5) Bromomethane	1.64	94	389	0.298	ug/l	97
6) Chloroethane	1.70	64	20	Below Cal	#	43
10) Methyl Iodide	2.42	142	20	5.297	ug/l #	40
11) Tert butyl alcohol	2.84	59	1377	1.696	ug/l #	72
13) Acrolein	2.21	56	122	0.286	ug/l #	1
16) Acetone	2.32	43	867	0.483	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	7265	2.463	ug/l	86
31) Cyclohexane	4.99	56	4254	Below Cal	#	12
36) 1,1-Dichloropropene	4.99	75	15268	4.220	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19906	5.004	ug/l #	16
44) Trichloroethene	6.19	130	1765	0.602	ug/l	94
51) 4-Methyl-2-Pentanone	7.57	43	1936	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	86654	27.059	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	86654	62.626	ug/l #	100
95) Naphthalene	13.78	128	206	0.698	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: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

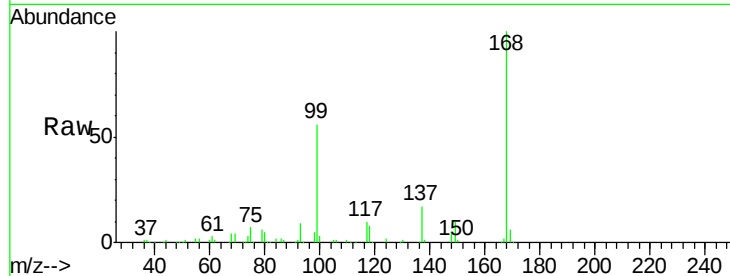
WP021MW462-180626

Tgt Ion:168 Resp: 204544

Ion Ratio Lower Upper

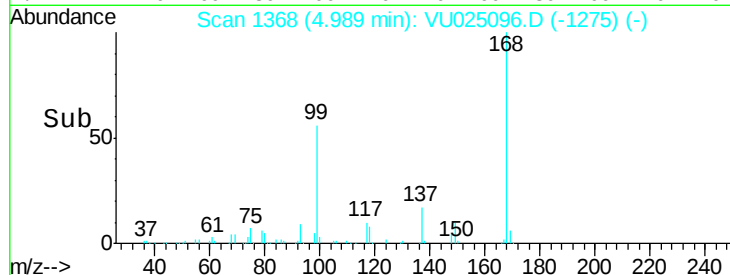
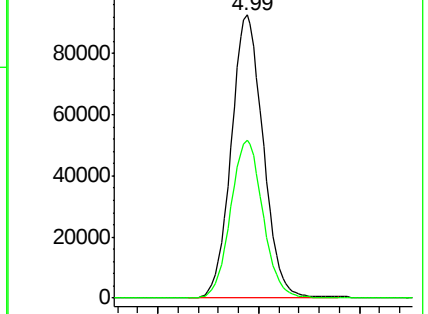
168 100

99 56.0 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

Vinyl Chloride

Concen: 0.277 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025096.D

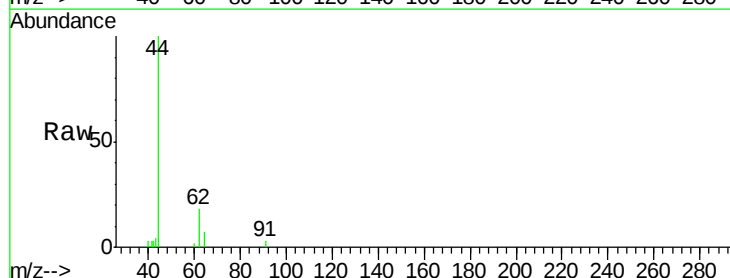
Acq: 30 Jun 2018 18:24

Tgt Ion: 62 Resp: 746

Ion Ratio Lower Upper

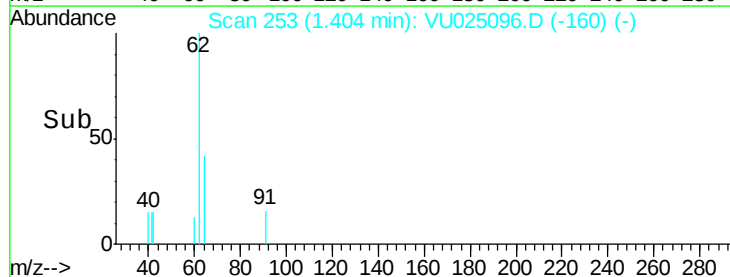
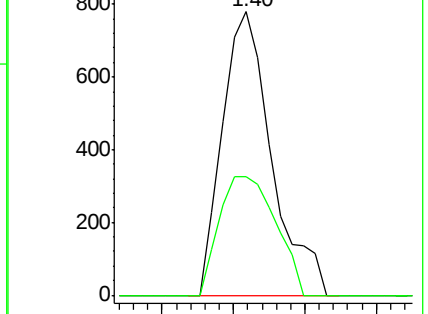
62 100

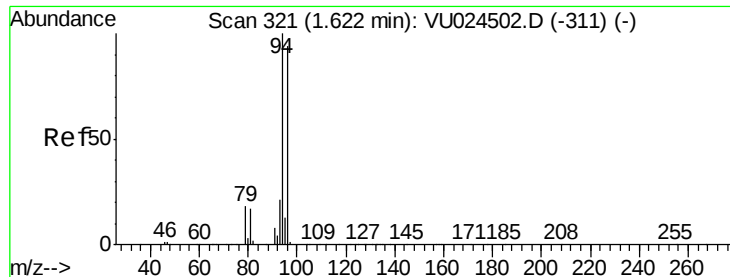
64 42.0 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D

Ion 63.90 (63.60 to 64.60): VU024502.D





#5

Bromomethane

Concen: 0.298 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

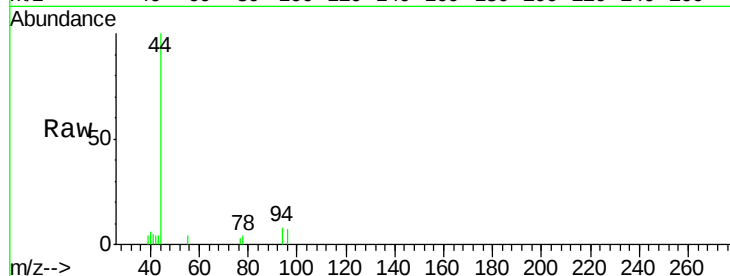
WP021MW462-180626

Tgt Ion: 94 Resp: 389

Ion Ratio Lower Upper

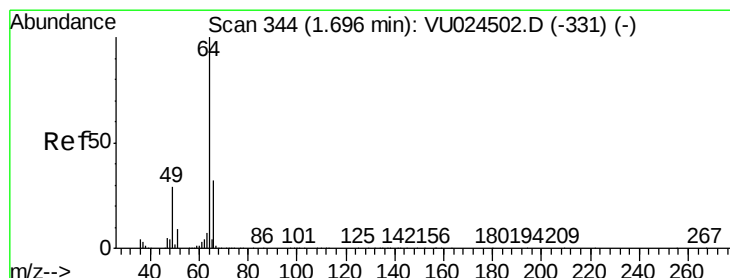
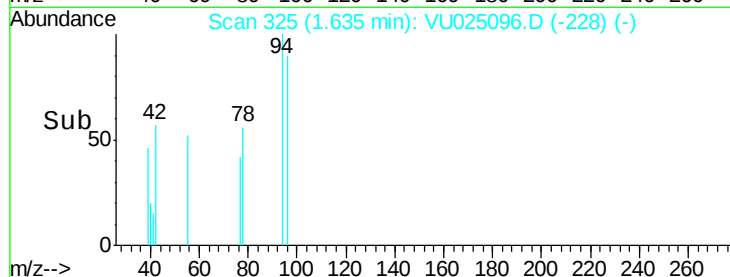
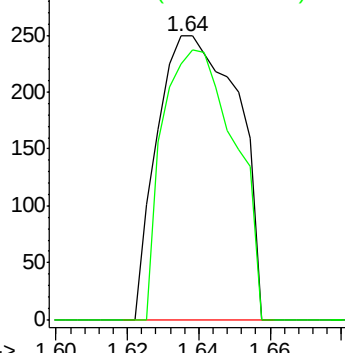
94 100

96 90.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025096.D

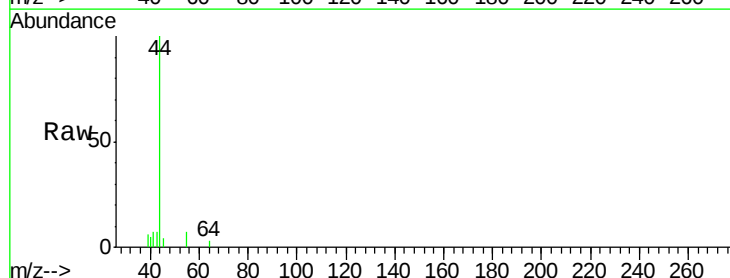
Acq: 30 Jun 2018 18:24

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

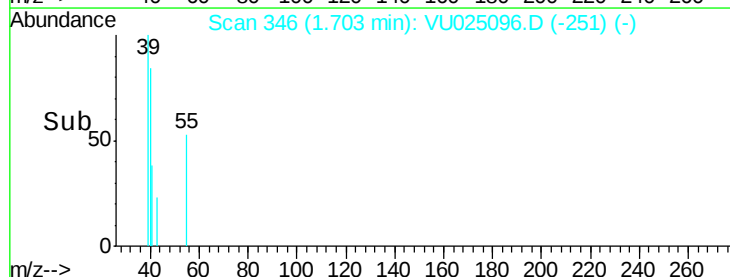
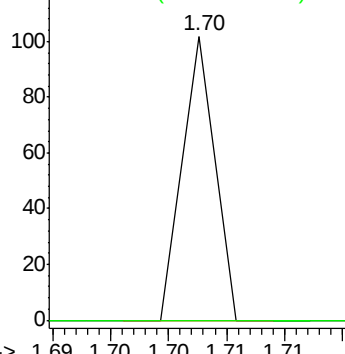
64 100

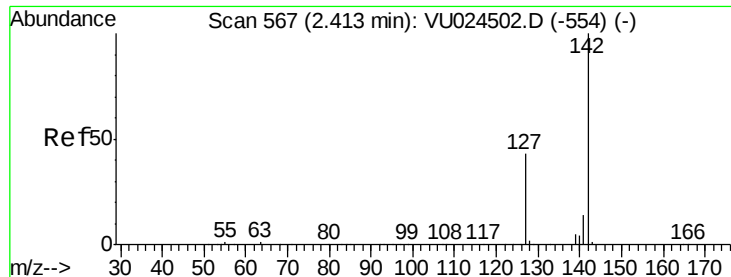
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.297 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

WP021MW462-180626

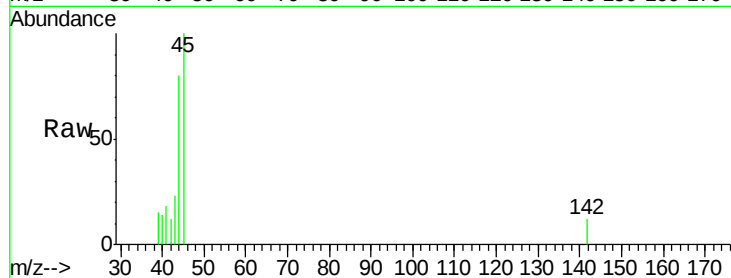
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

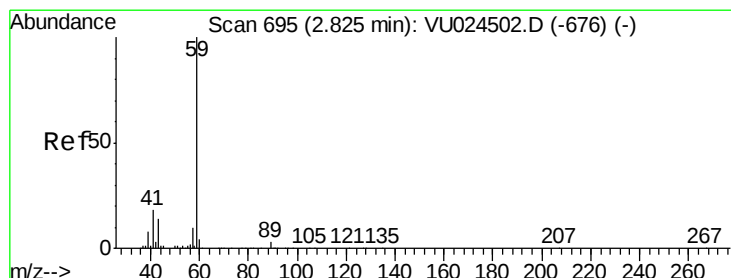
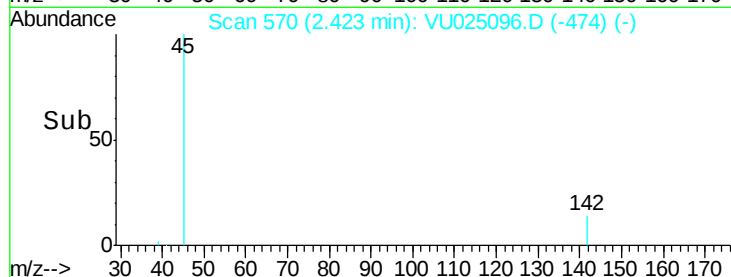
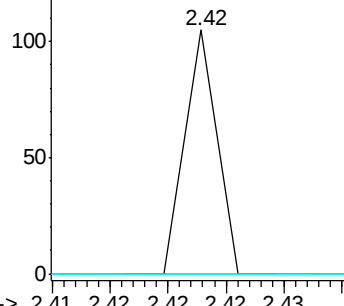
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.696 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU025096.D

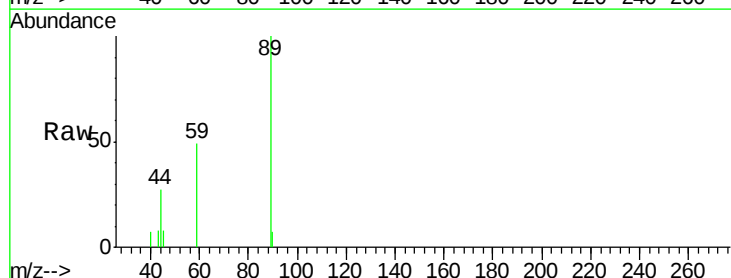
Acq: 30 Jun 2018 18:24

Tgt Ion: 59 Resp: 1377

Ion Ratio Lower Upper

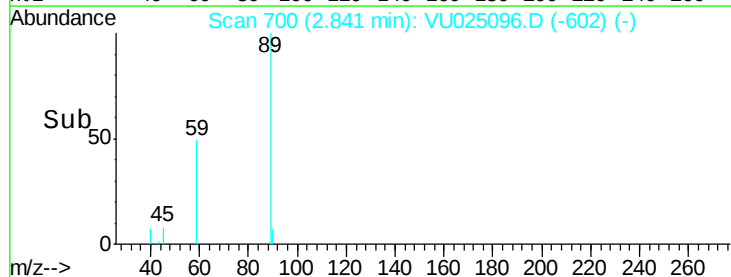
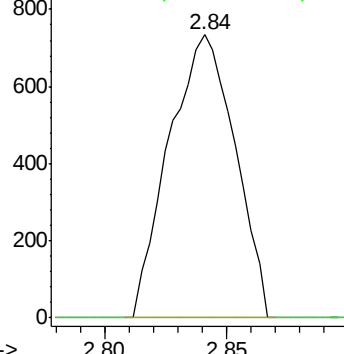
59 100

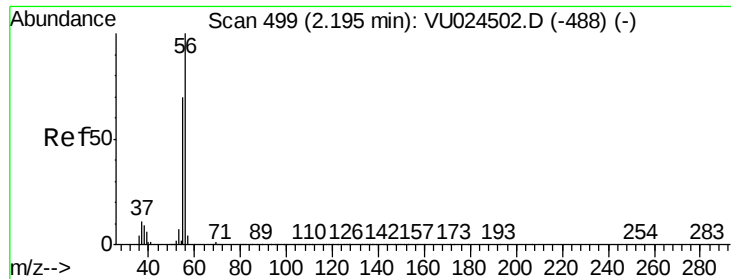
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.286 ug/l

RT: 2.21 min Scan# 505

Delta R.T. 0.02 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

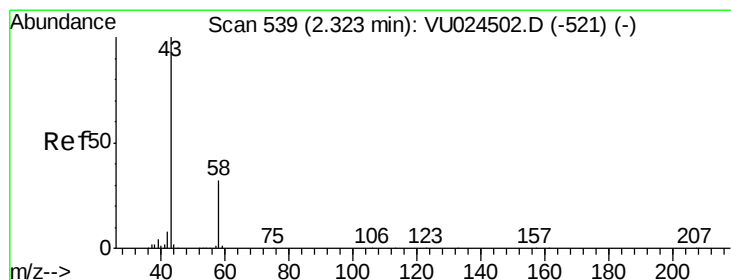
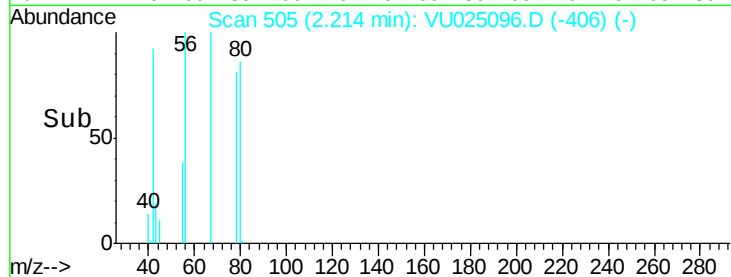
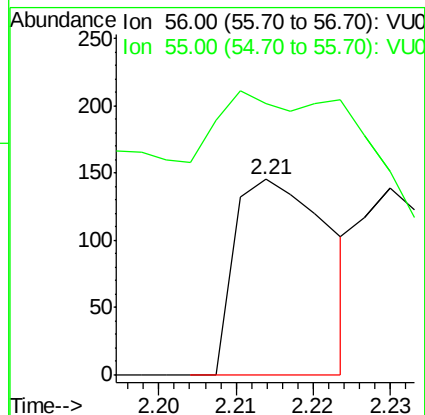
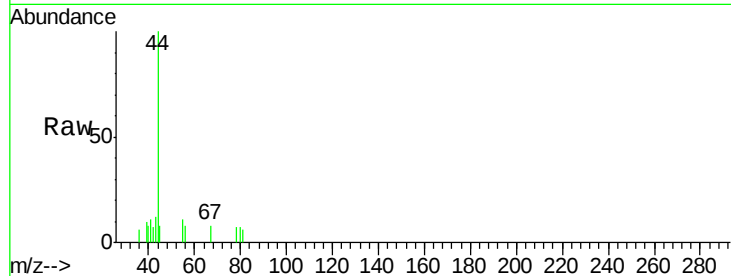
WP021MW462-180626

Tgt Ion: 56 Resp: 122

Ion Ratio Lower Upper

56 100

55 260.7 58.4 87.6#



#16

Acetone

Concen: 0.483 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025096.D

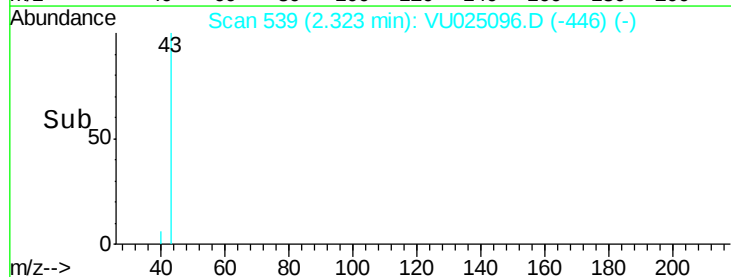
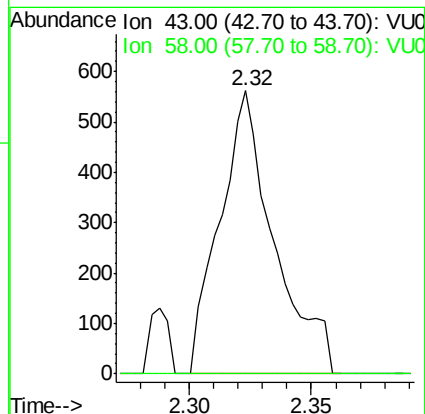
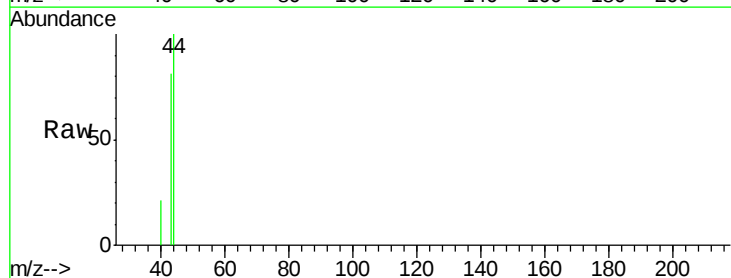
Acq: 30 Jun 2018 18:24

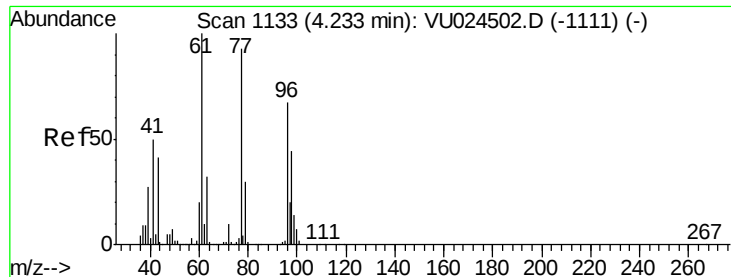
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 2.463 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

WP021MW462-180626

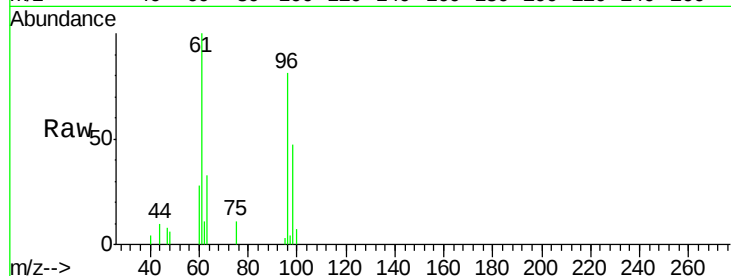
Tgt Ion: 96 Resp: 7265

Ion Ratio Lower Upper

96 100

61 127.8 0.0 306.6

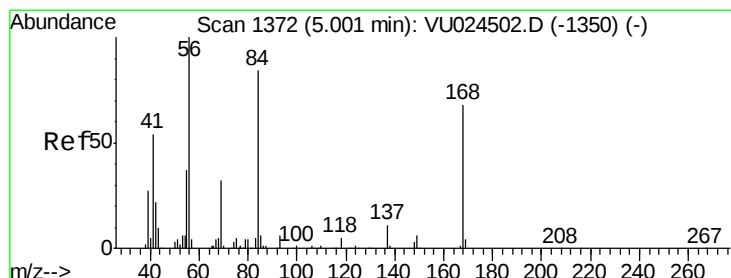
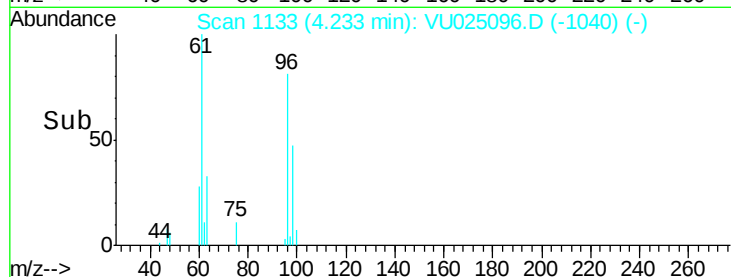
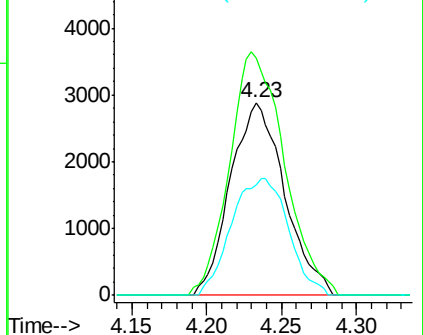
98 63.7 0.0 128.8



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) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

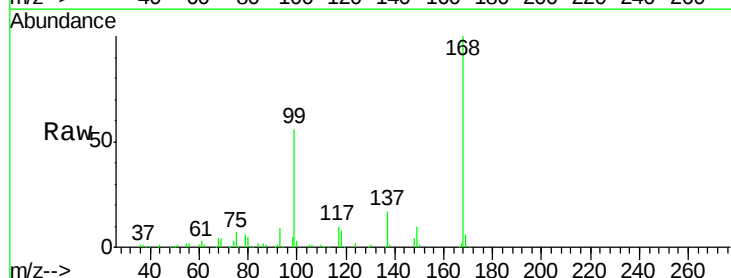
Tgt Ion: 56 Resp: 4254

Ion Ratio Lower Upper

56 100

69 169.5 24.8 37.2#

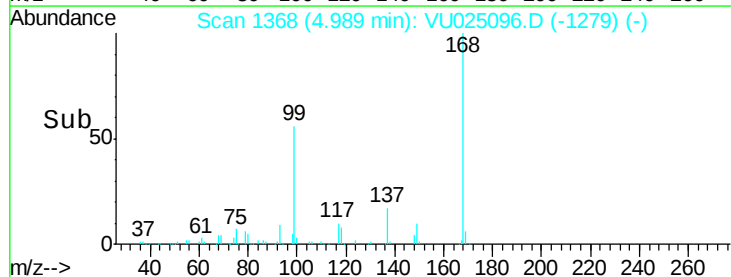
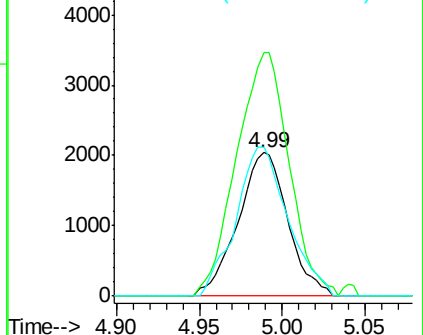
84 103.8 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU024502.D (-1350) (-)

Ion 69.00 (68.70 to 69.70): VU024502.D (-1350) (-)

Ion 84.00 (83.70 to 84.70): VU024502.D (-1350) (-)

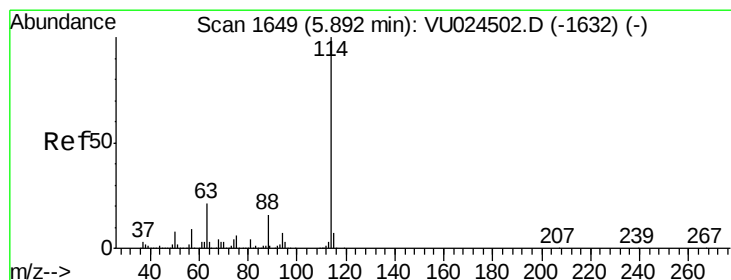
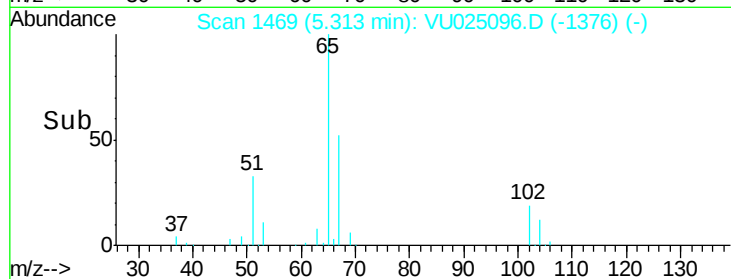
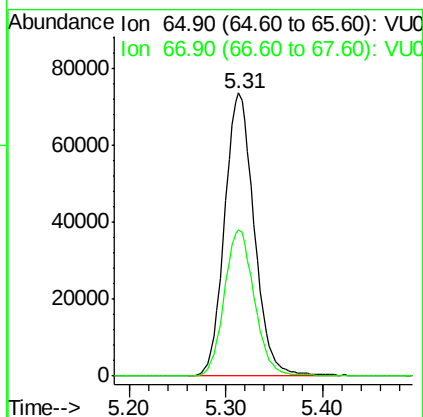
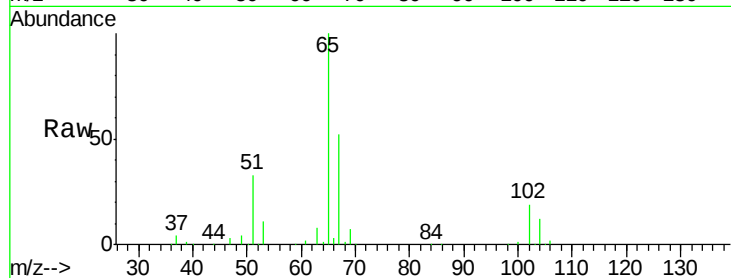




#33
 1,2-Dichloroethane-d4
 Concen: 46.889 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025096.D
 Acq: 30 Jun 2018 18:24

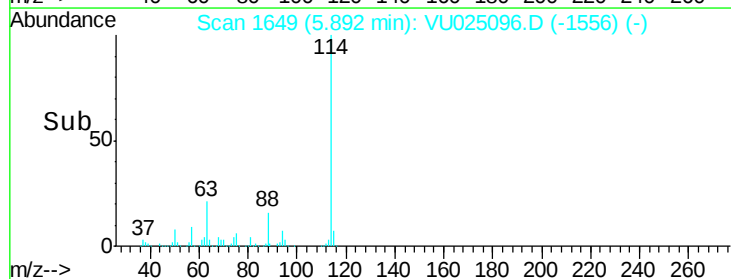
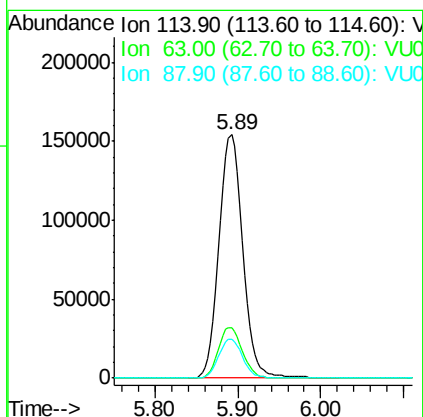
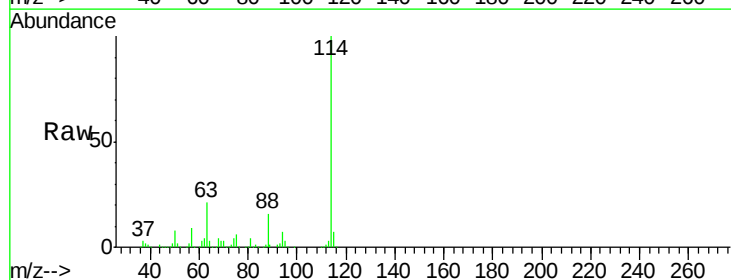
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW462-180626

Tgt Ion: 65 Resp: 156573
 Ion Ratio Lower Upper
 65 100
 67 52.4 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: VU025096.D
 Acq: 30 Jun 2018 18:24

Tgt Ion: 114 Resp: 307873
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.2 0.0 31.0

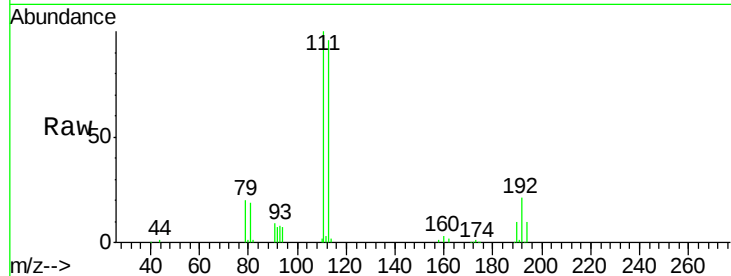




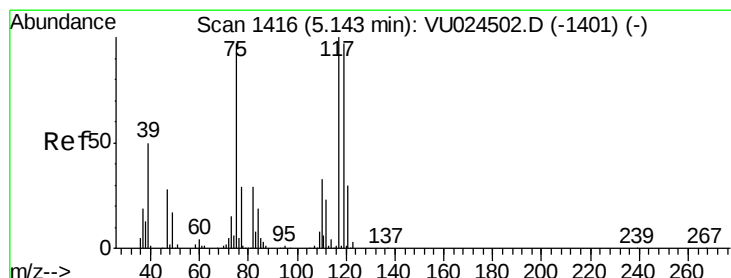
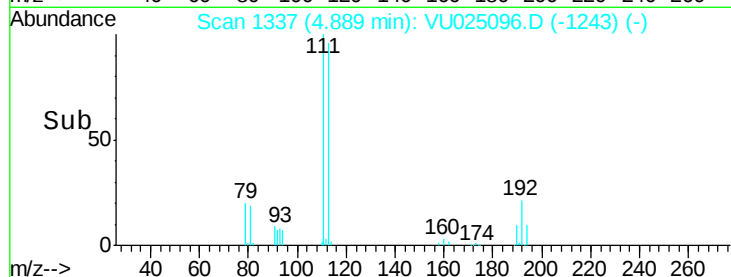
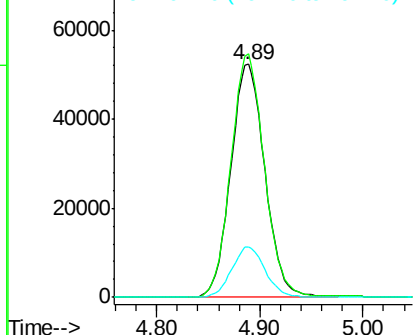
#35
Dibromofluoromethane
Concen: 47.245 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025096.D
Acq: 30 Jun 2018 18:24

Instrument :
MSVOA_U
ClientSampleId :
WP021MW462-180626

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	21.3	16.2	24.4

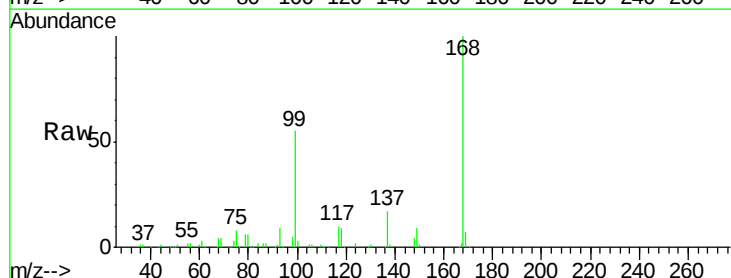


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

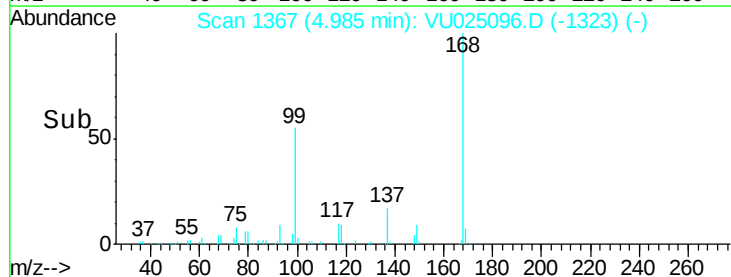
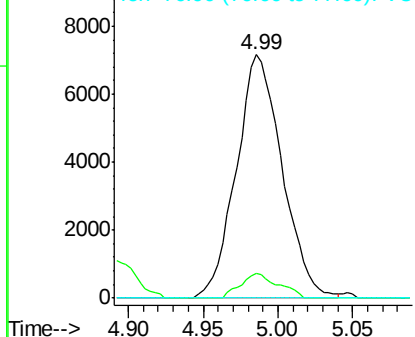


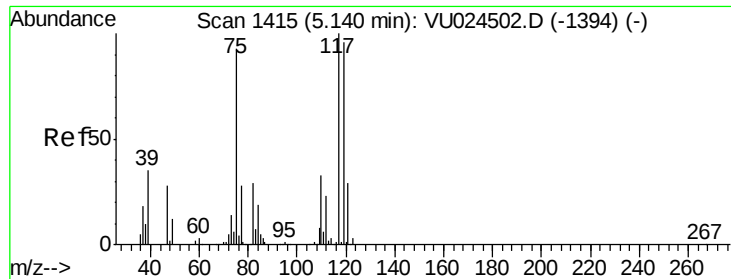
#36
1,1-Dichloropropene
Concen: 4.220 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.16 min
Lab File: VU025096.D
Acq: 30 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.004 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

WP021MW462-180626

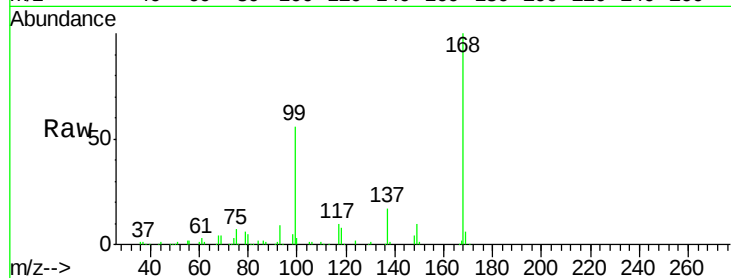
Tgt Ion:117 Resp: 19906

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

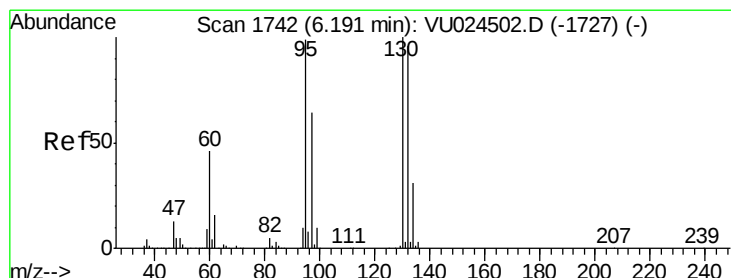
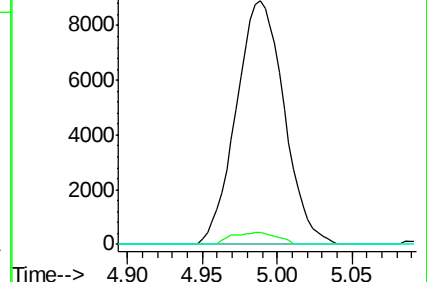
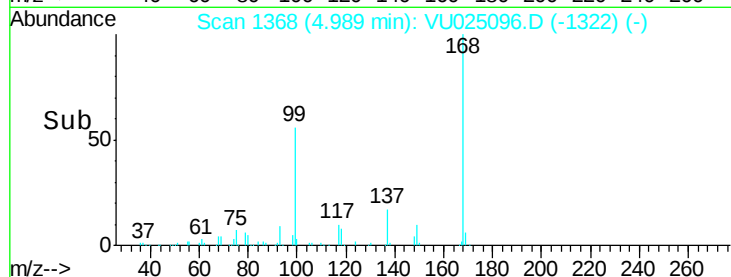
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.602 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025096.D

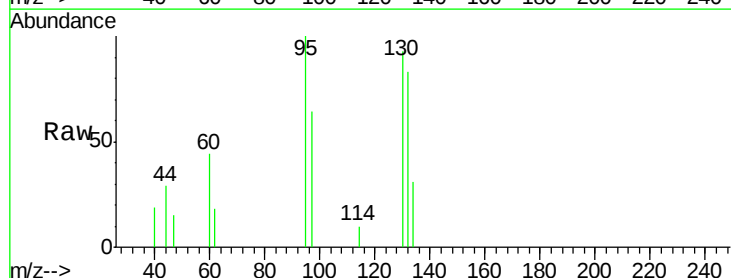
Acq: 30 Jun 2018 18:24

Tgt Ion:130 Resp: 1765

Ion Ratio Lower Upper

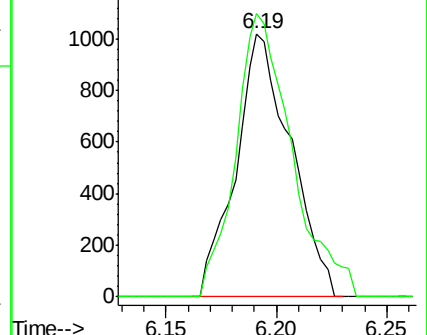
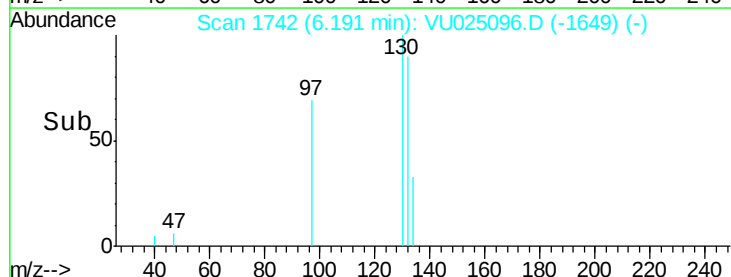
130 100

95 107.5 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: 47.366 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

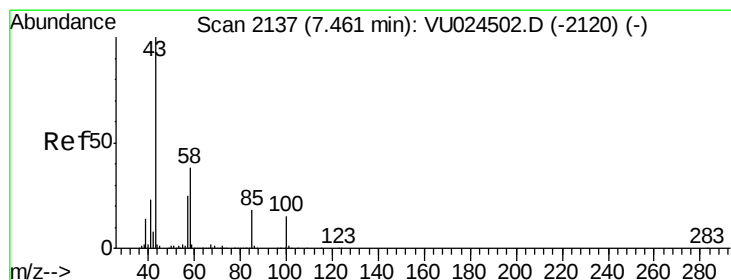
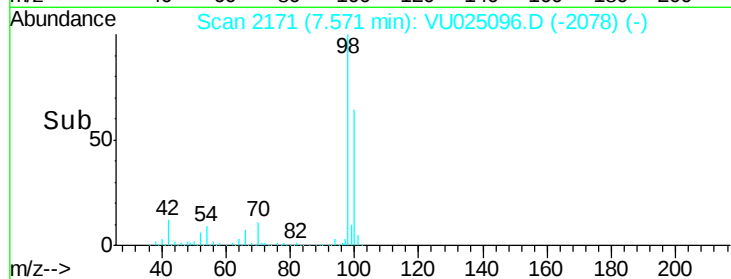
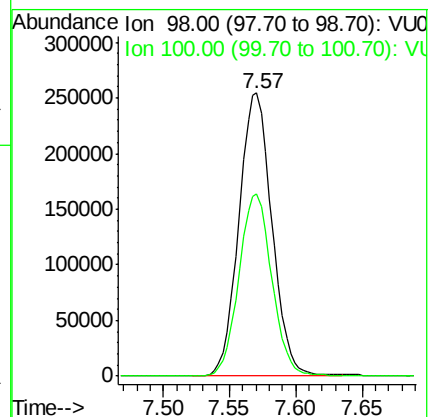
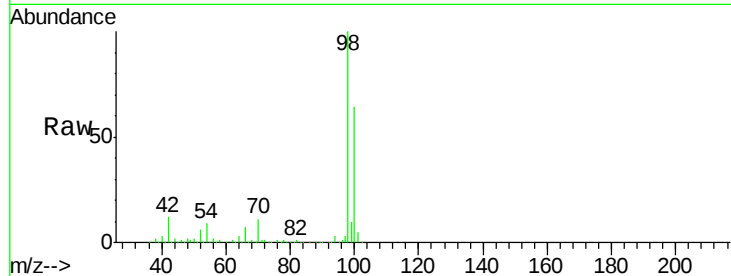
WP021MW462-180626

Tgt Ion: 98 Resp: 441453

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.452 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU025096.D

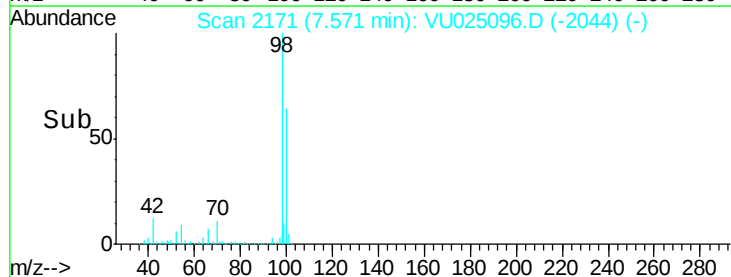
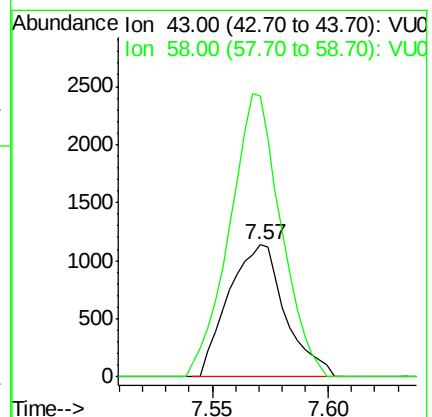
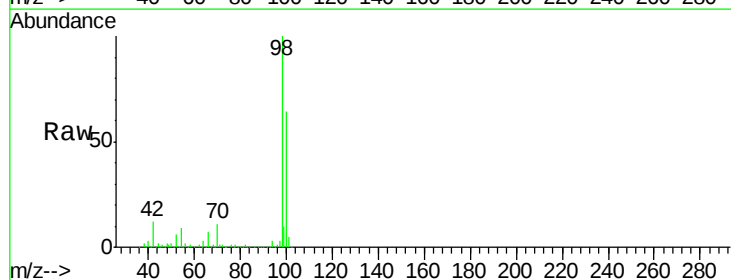
Acq: 30 Jun 2018 18:24

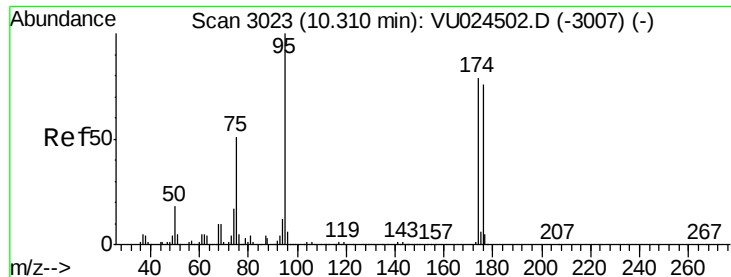
Tgt Ion: 43 Resp: 1936

Ion Ratio Lower Upper

43 100

58 193.6 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 43.520 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

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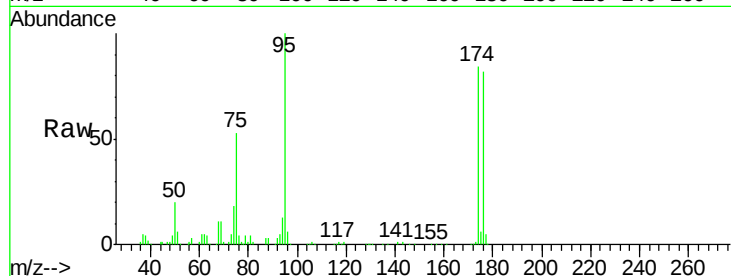
Tgt Ion: 95 Resp: 161042

Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.8

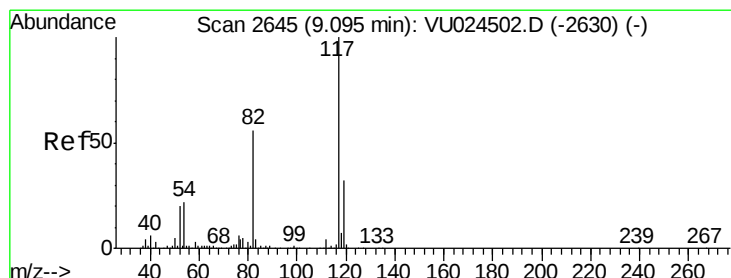
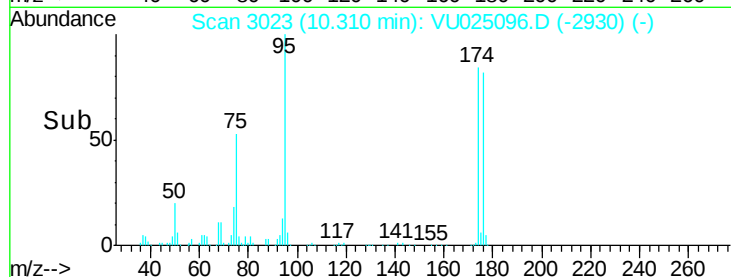
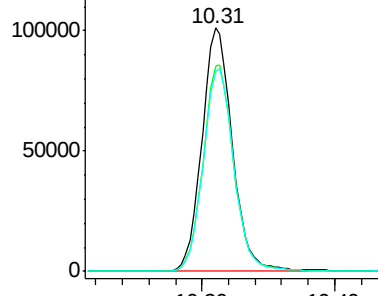
176 84.0 0.0 159.4



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: VU025096.D

Acq: 30 Jun 2018 18:24

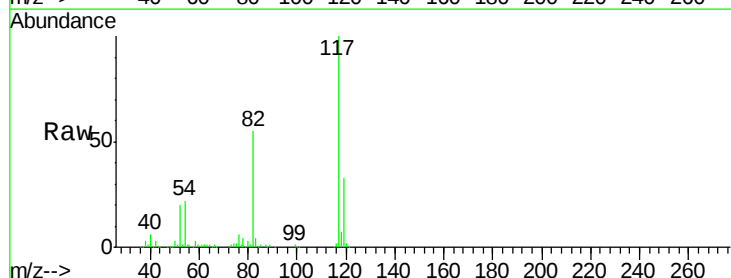
Tgt Ion: 117 Resp: 287088

Ion Ratio Lower Upper

117 100

82 55.1 44.3 66.5

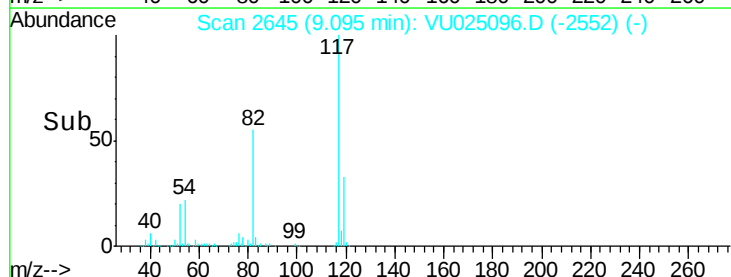
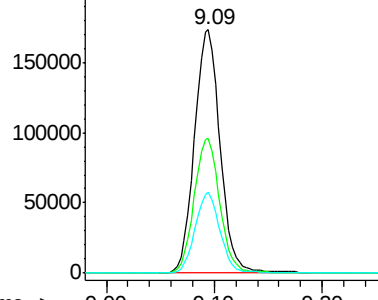
119 33.1 25.4 38.2

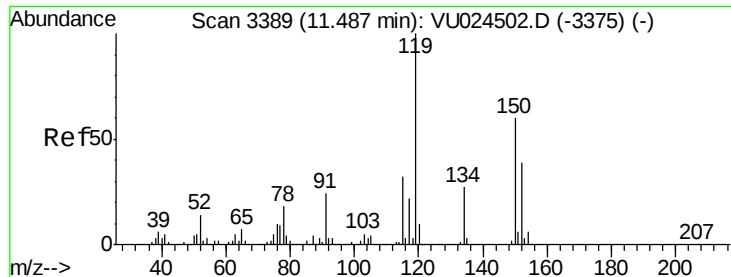


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

WP021MW462-180626

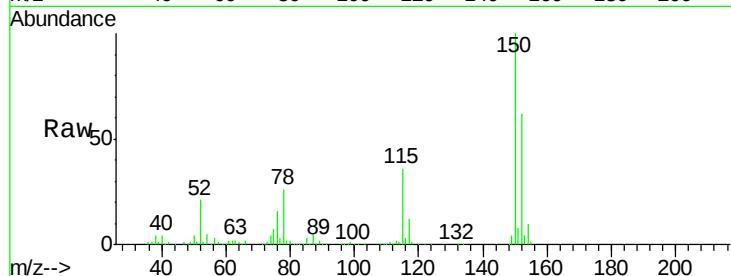
Tgt Ion:152 Resp: 145455

Ion Ratio Lower Upper

152 100

115 57.3 43.0 129.0

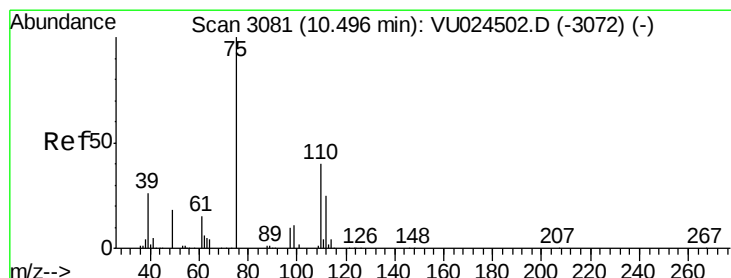
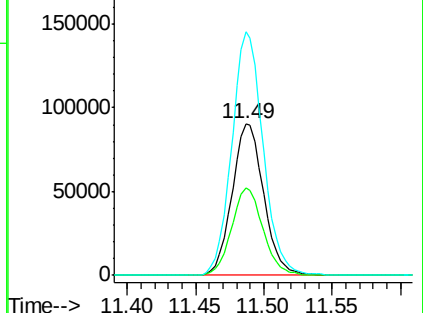
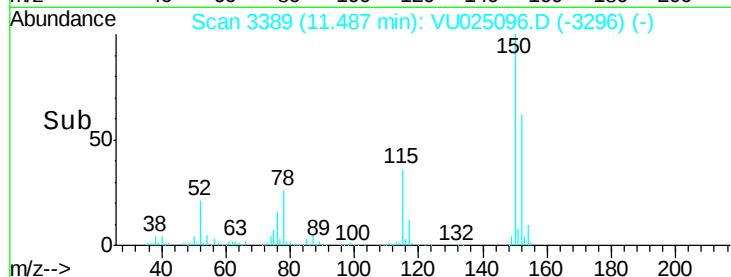
150 159.2 0.0 354.0



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: 27.059 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025096.D

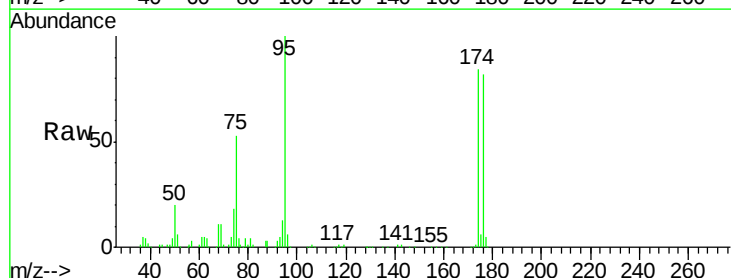
Acq: 30 Jun 2018 18:24

Tgt Ion: 75 Resp: 86654

Ion Ratio Lower Upper

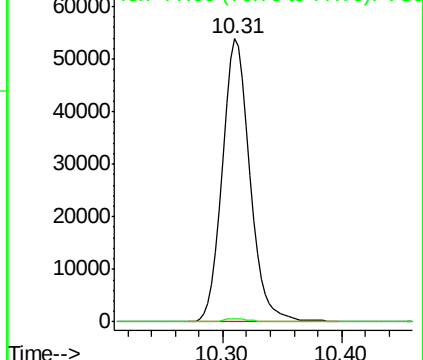
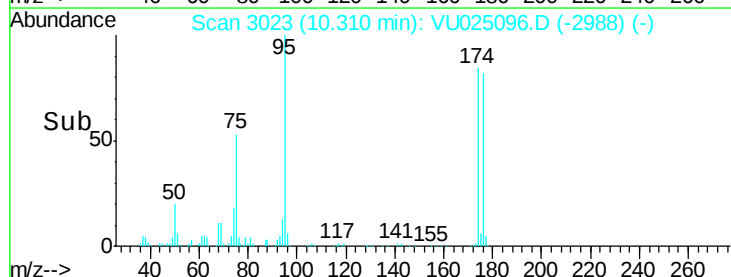
75 100

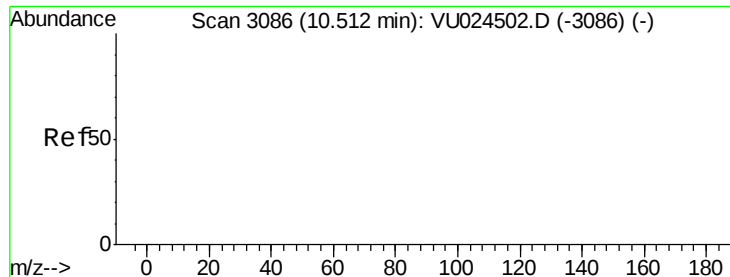
77 1.1 20.9 62.7#



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: 62.626 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

Instrument :

MSVOA_U

ClientSampleId :

WP021MW462-180626

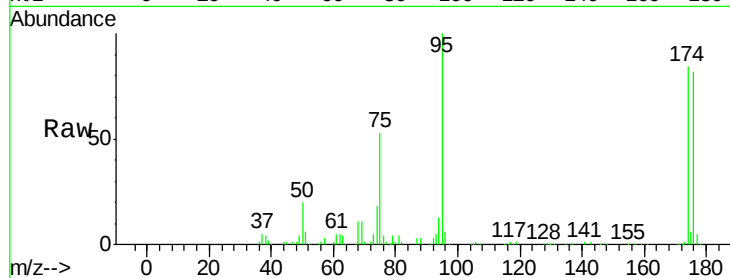
Tgt Ion: 75 Resp: 86654

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

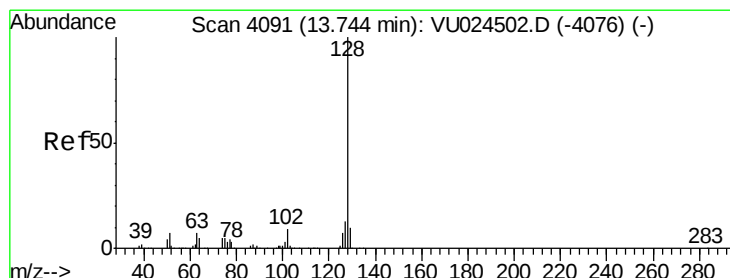
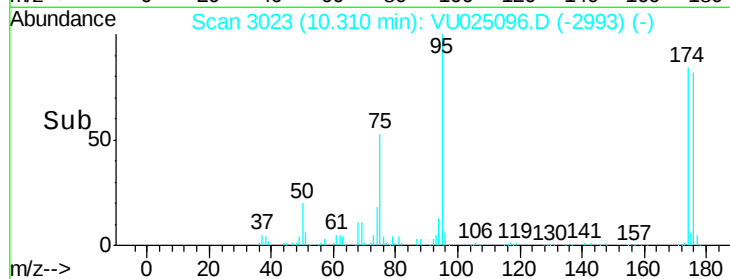
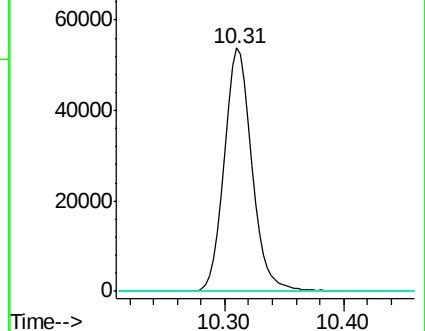
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.698 ug/l

RT: 13.78 min Scan# 4103

Delta R.T. 0.04 min

Lab File: VU025096.D

Acq: 30 Jun 2018 18:24

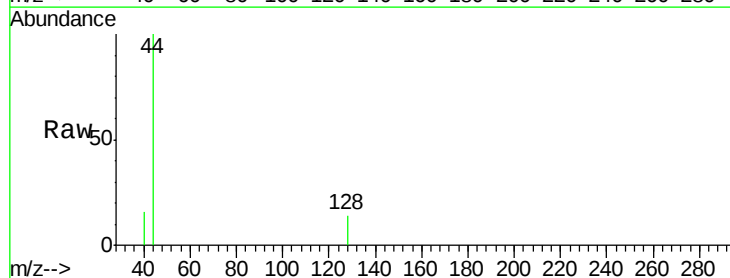
Tgt Ion: 128 Resp: 206

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

