

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025091.D
 Acq On : 30 Jun 2018 16:22
 Operator : MD/SY
 Sample : J3759-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW177-180625

Quant Time: Jul 02 05:38:40 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	210464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319339	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150521	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	160639	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
35) Dibromofluoromethane	4.89	113	123519	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	
50) Toluene-d8	7.57	98	453989	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	10.31	95	167608	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	

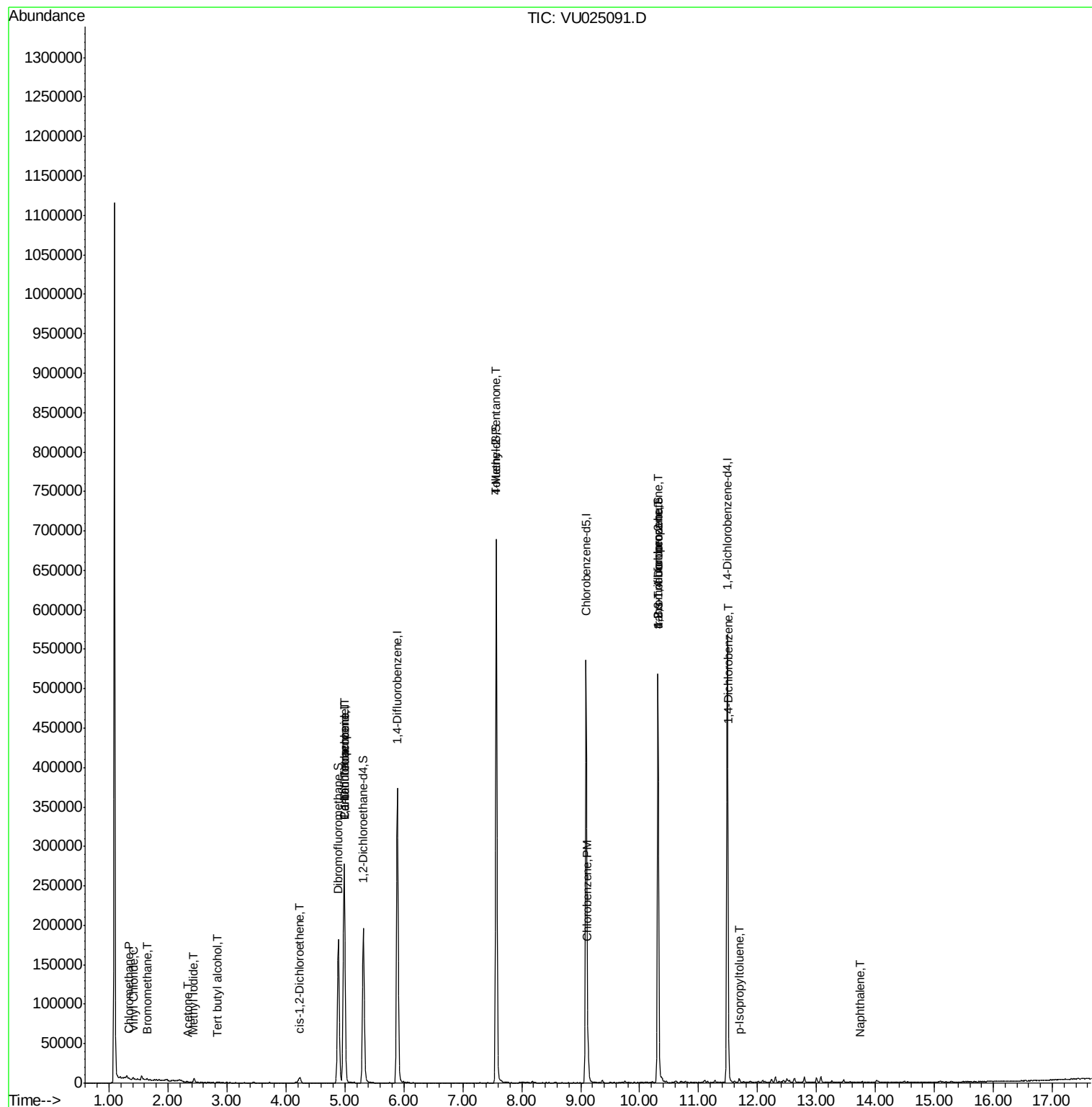
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	673	0.250	ug/l	88
4) Vinyl Chloride	1.40	62	2068	0.745	ug/l	98
5) Bromomethane	1.64	94	567	0.423	ug/l #	80
6) Chloroethane	1.65	64	20	Below Cal	#	43
10) Methyl Iodide	2.42	142	181	5.361	ug/l #	40
11) Tert butyl alcohol	2.83	59	763	0.913	ug/l #	72
16) Acetone	2.32	43	1252	0.678	ug/l	92
27) cis-1,2-Dichloroethene	4.24	96	4270	1.407	ug/l	88
31) Cyclohexane	4.99	56	4048	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15410	4.107	ug/l #	52
38) Carbon Tetrachloride	4.99	117	20531	4.975	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	2007	0.452	ug/l #	1
65) Chlorobenzene	9.12	112	20617	2.761	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	87271	26.335	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	87271	60.949	ug/l #	100
86) p-Isopropyltoluene	11.69	119	3283	0.304	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	1760	0.324	ug/l #	20
95) Naphthalene	13.75	128	243	0.701	ug/l #	69

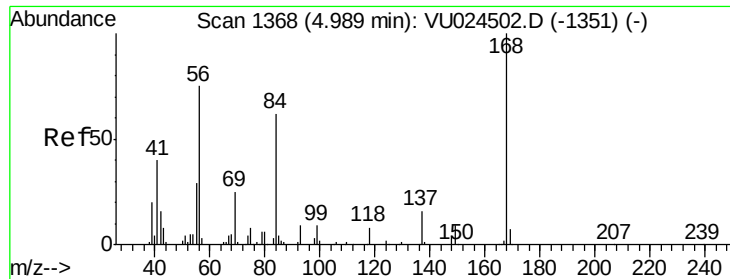
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

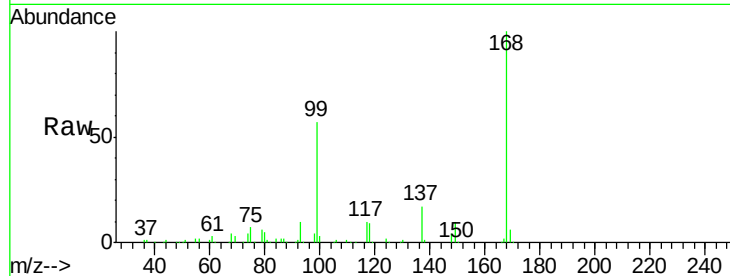
WP021MW177-180625

Tgt Ion:168 Resp: 210464

Ion Ratio Lower Upper

168 100

99 56.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

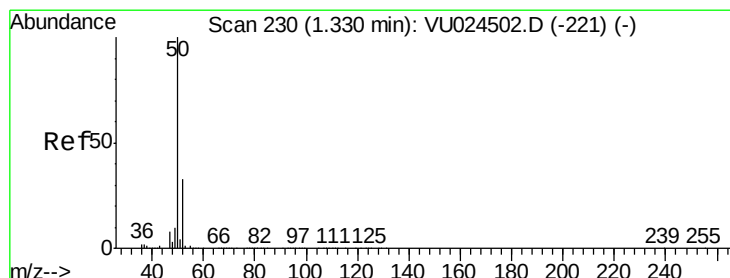
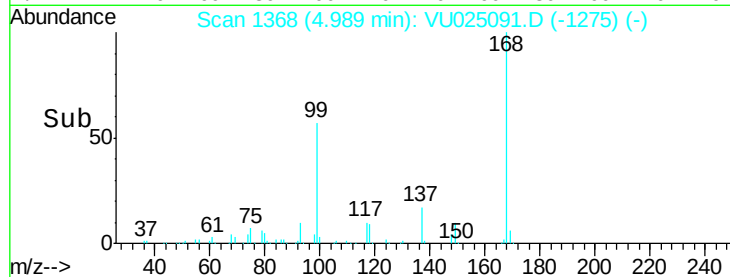
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025091.D

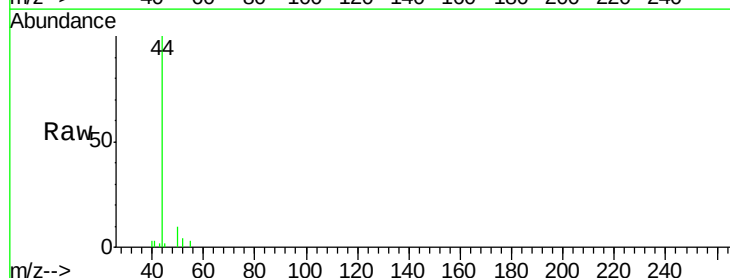
Acq: 30 Jun 2018 16:22

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

50 100

52 39.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

600

500

400

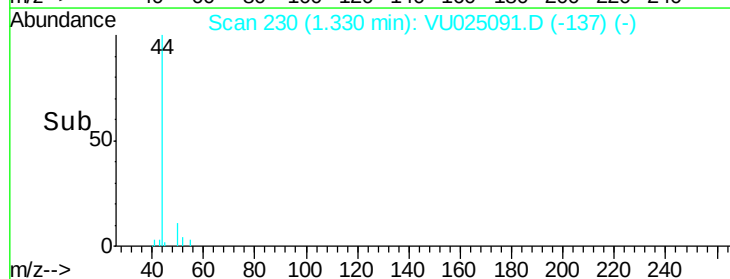
300

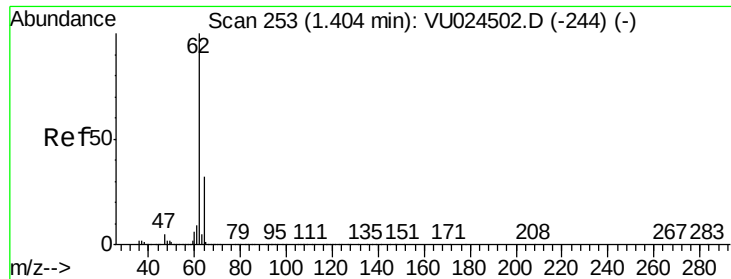
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.745 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

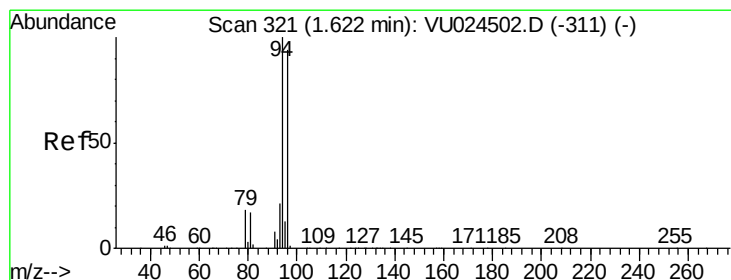
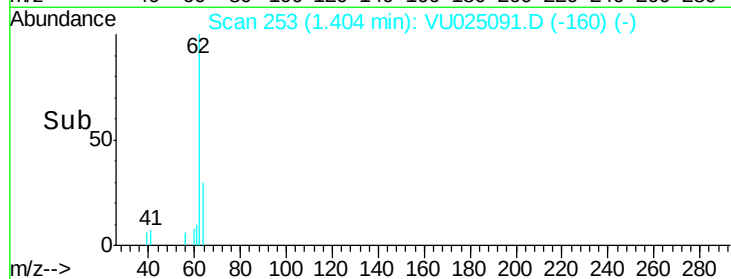
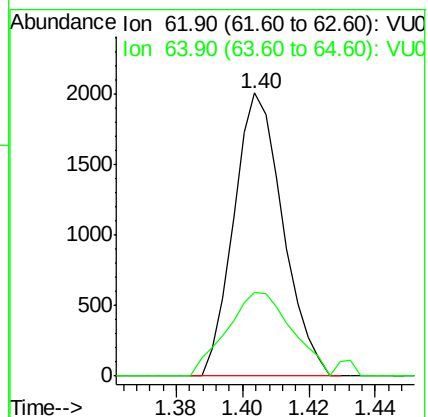
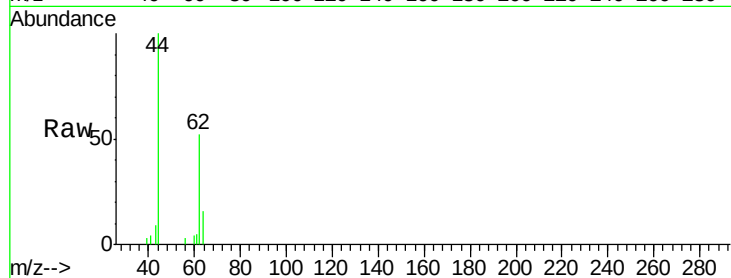
WP021MW177-180625

Tgt Ion: 62 Resp: 2068

Ion Ratio Lower Upper

62 100

64 29.7 24.8 37.2



#5

Bromomethane

Concen: 0.423 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU025091.D

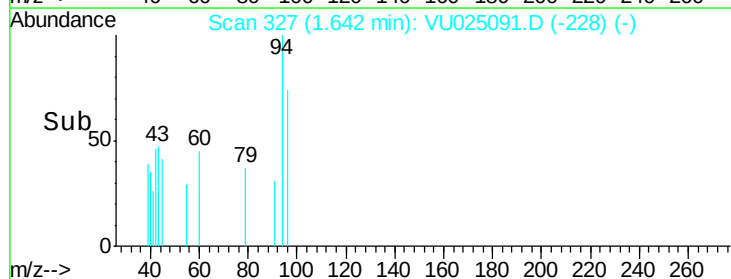
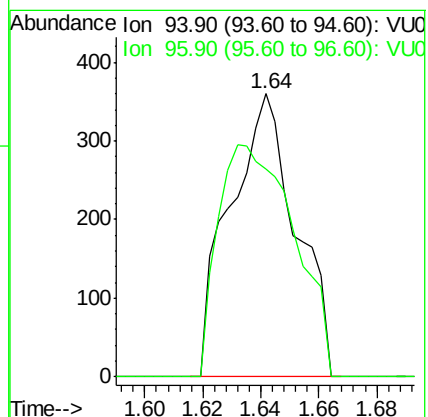
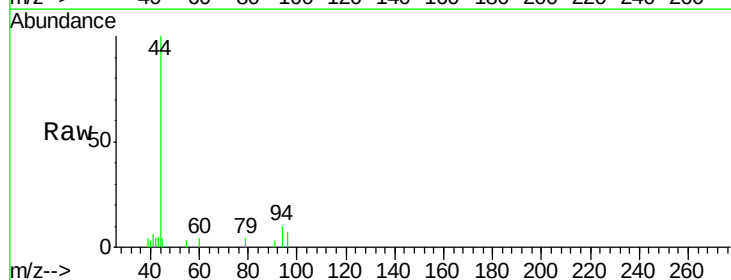
Acq: 30 Jun 2018 16:22

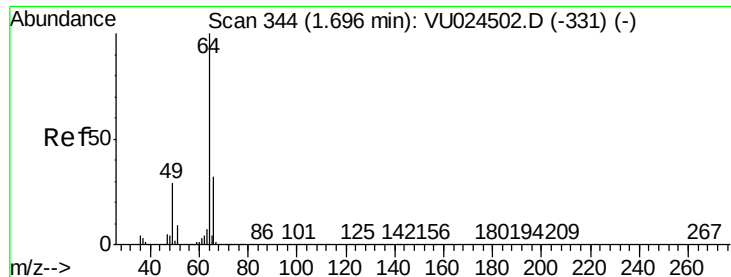
Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 73.6 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 329

Delta R.T. -0.05 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

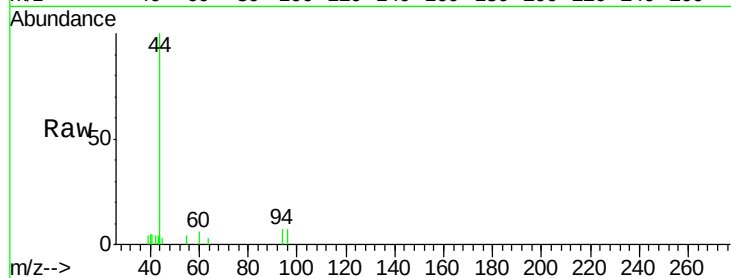
WP021MW177-180625

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

1.65

100

80

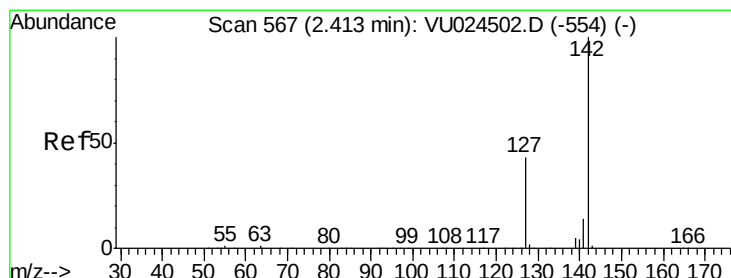
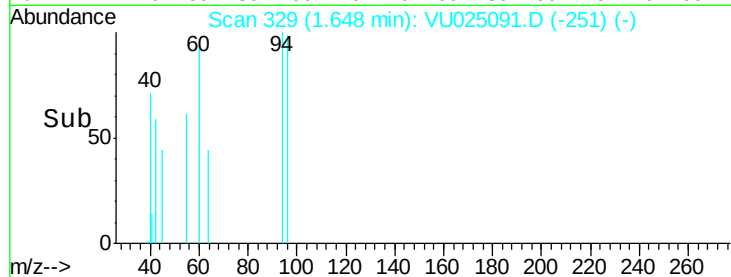
60

40

20

0

Time--> 1.64 1.65 1.65 1.66



#10

Methyl Iodide

Concen: 5.361 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

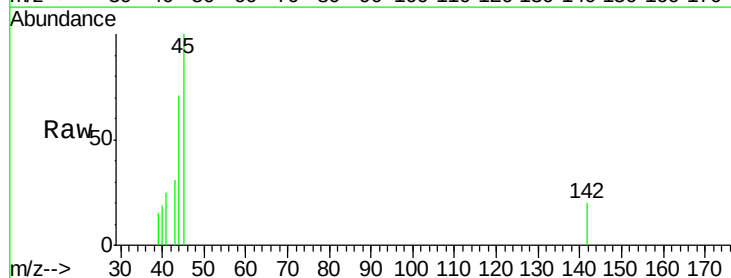
Tgt Ion: 142 Resp: 181

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

2.42

200

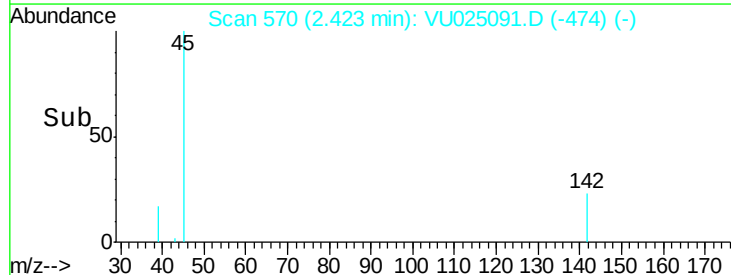
150

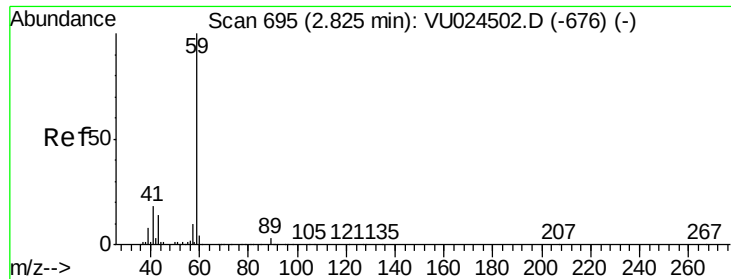
100

50

0

Time--> 2.40 2.42 2.44

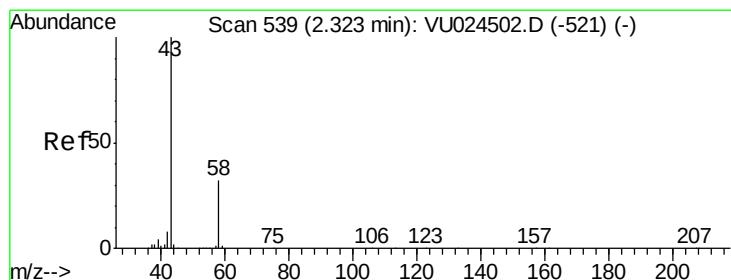
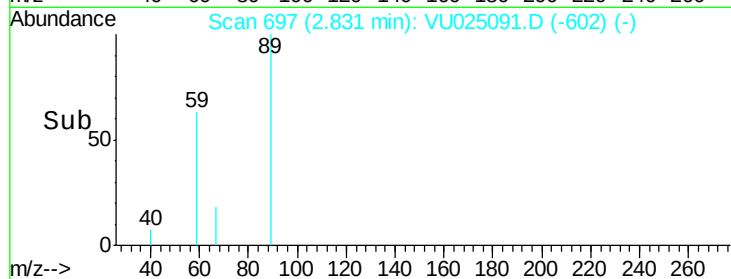
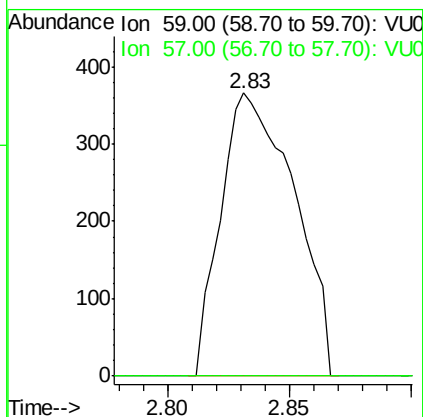
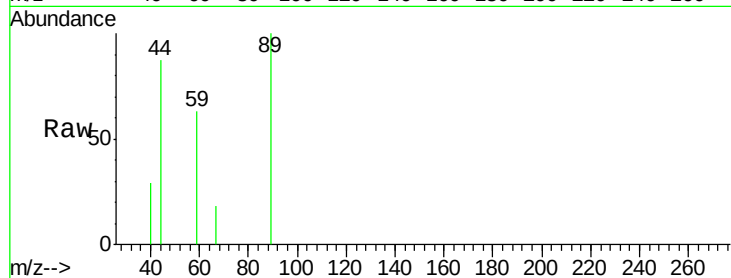




#11
Tert butyl alcohol
Concen: 0.913 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025091.D
Acq: 30 Jun 2018 16:22

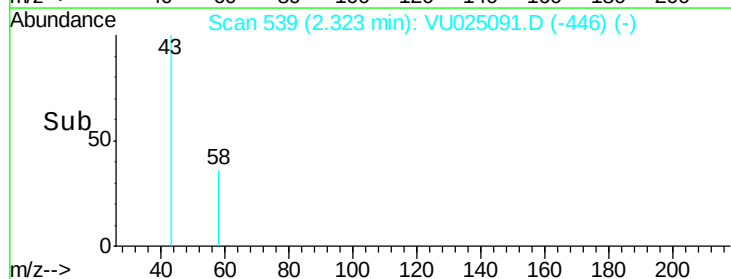
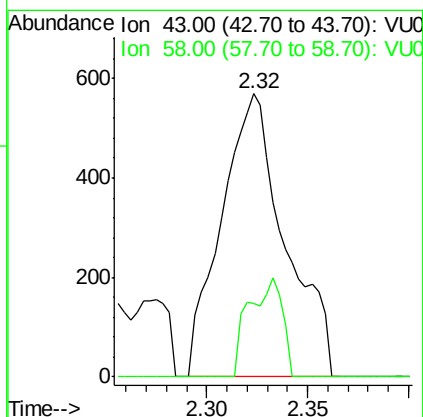
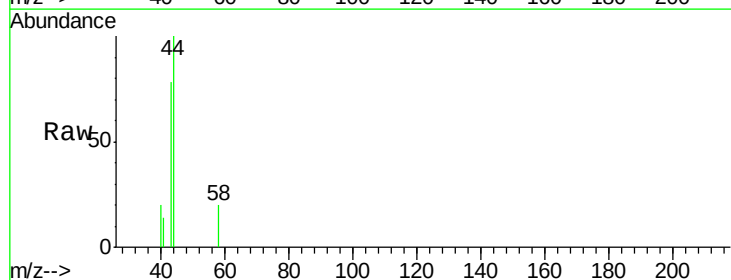
Instrument :
MSVOA_U
ClientSampleId :
WP021MW177-180625

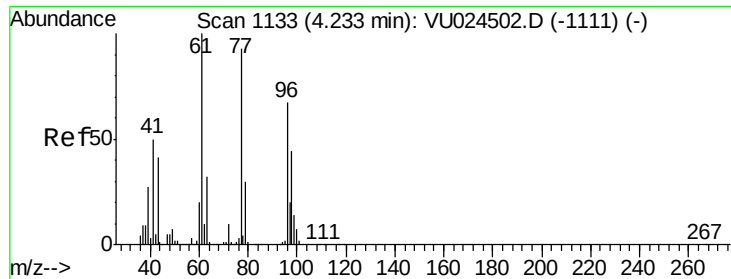
Tgt Ion: 59 Resp: 763
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.678 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025091.D
Acq: 30 Jun 2018 16:22

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 26.2 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 1.407 ug/l

RT: 4.24 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

WP021MW177-180625

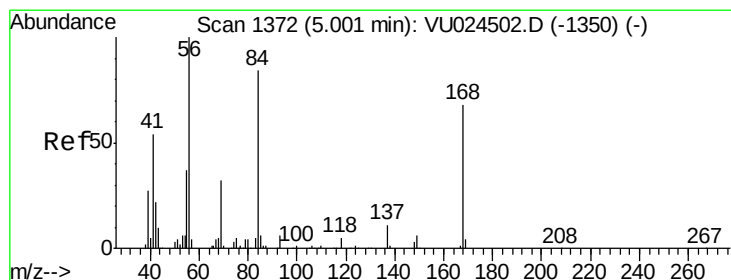
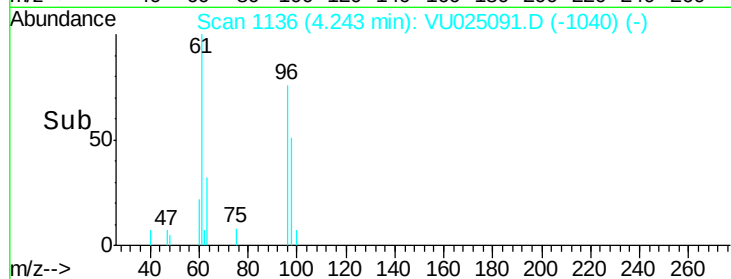
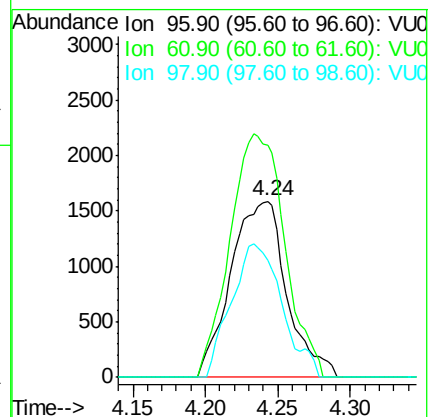
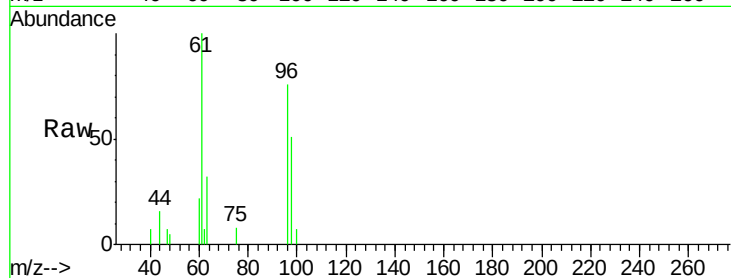
Tgt Ion: 96 Resp: 4270

Ion Ratio Lower Upper

96 100

61 134.7 0.0 306.6

98 68.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

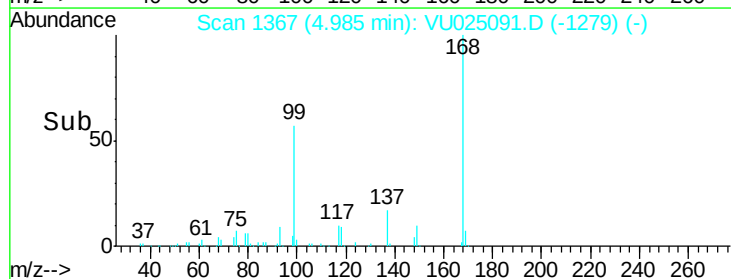
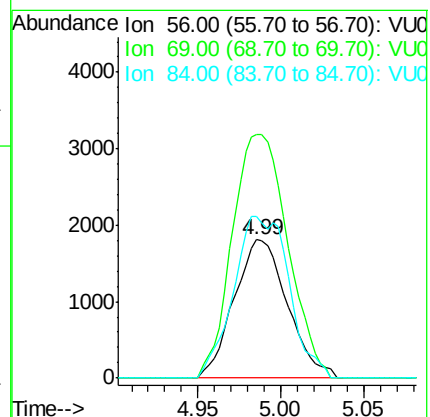
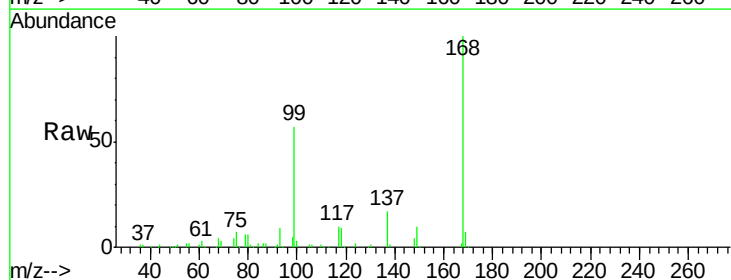
Tgt Ion: 56 Resp: 4048

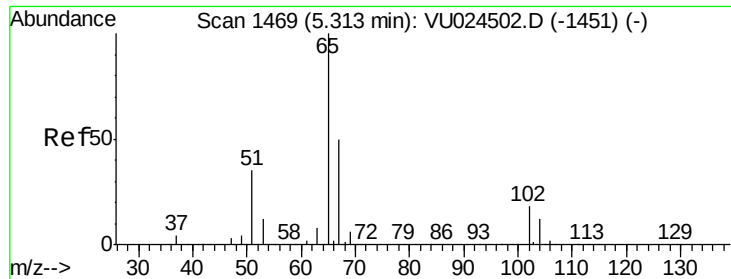
Ion Ratio Lower Upper

56 100

69 176.0 24.8 37.2#

84 116.9 65.2 97.8#

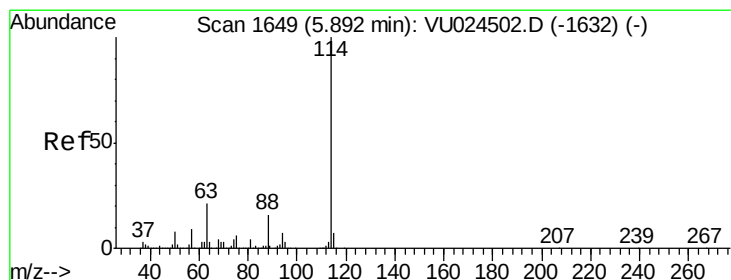
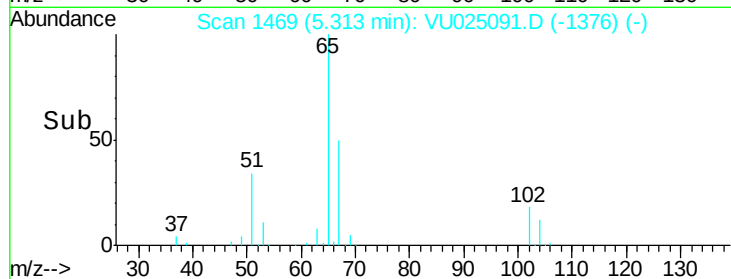
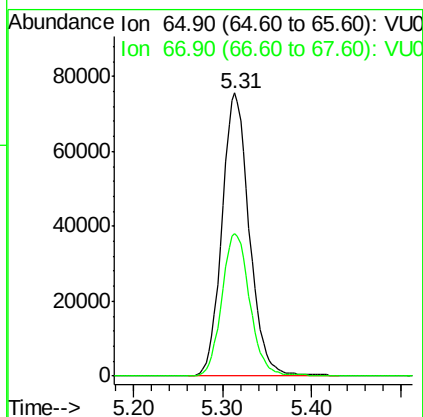
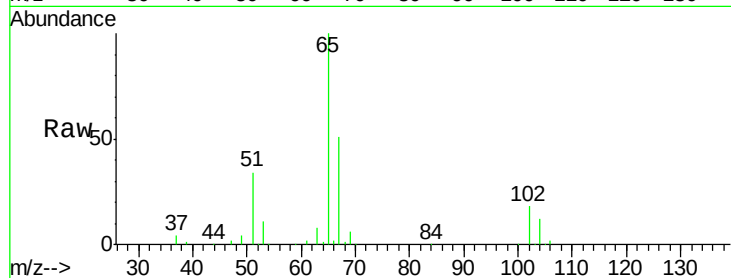




#33
 1,2-Dichloroethane-d4
 Concen: 46.754 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

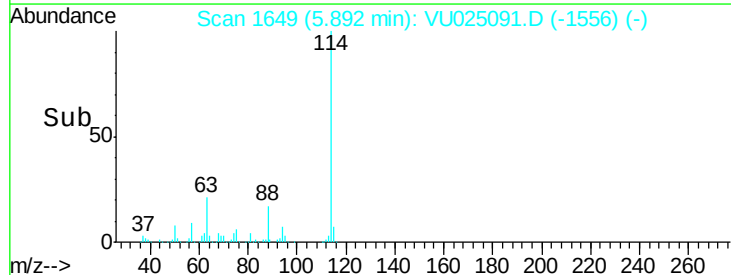
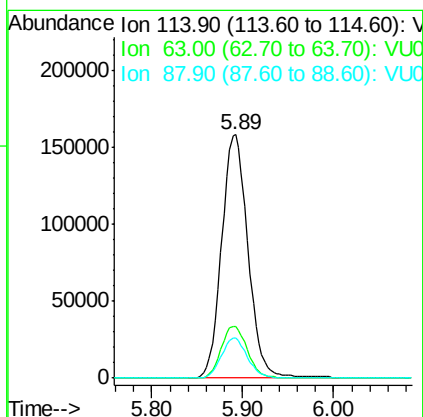
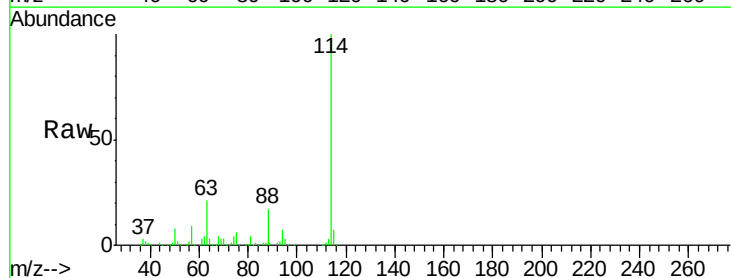
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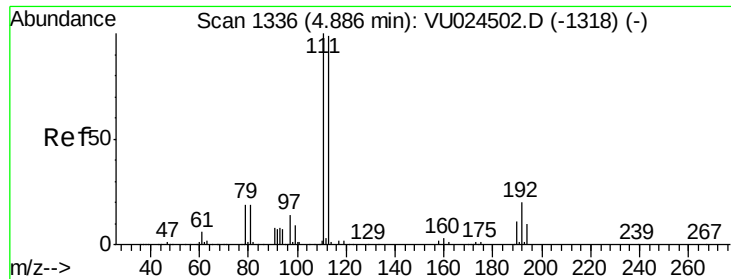
Tgt Ion: 65 Resp: 160639
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

Tgt Ion: 114 Resp: 319339
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.6 0.0 31.0

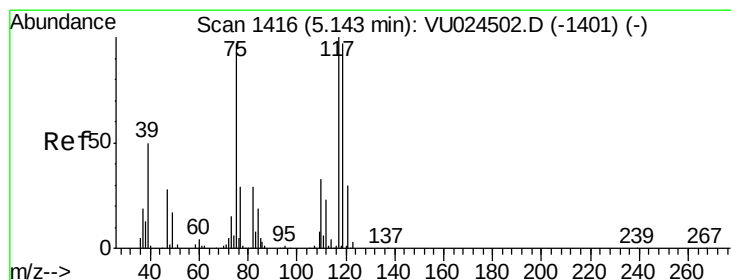
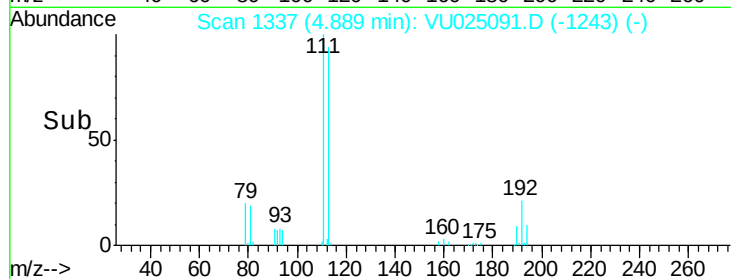
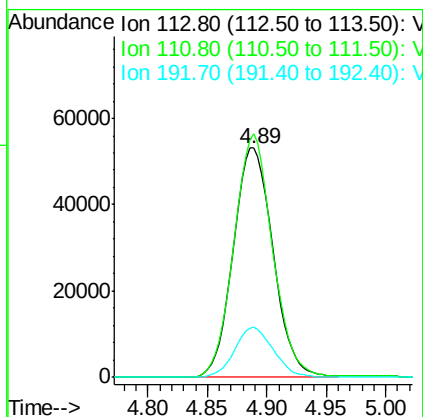
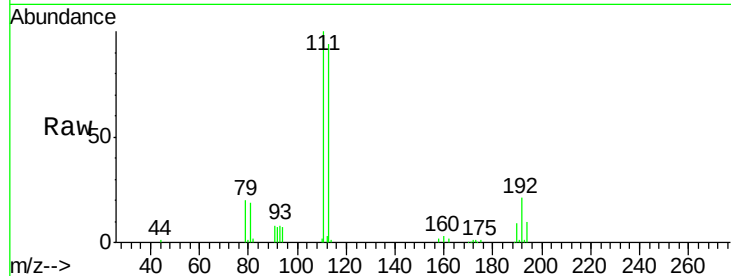




#35
 Dibromofluoromethane
 Concen: 46.606 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

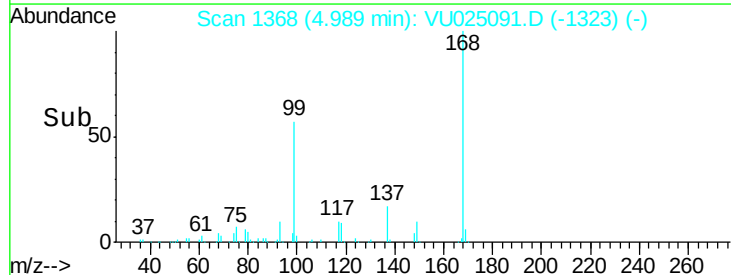
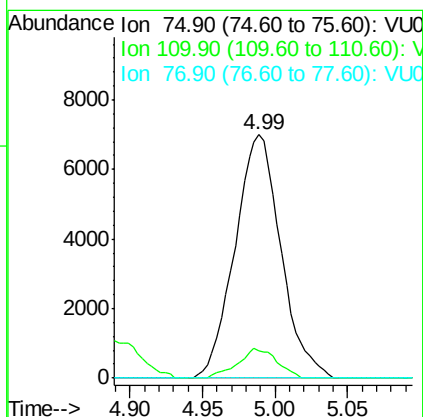
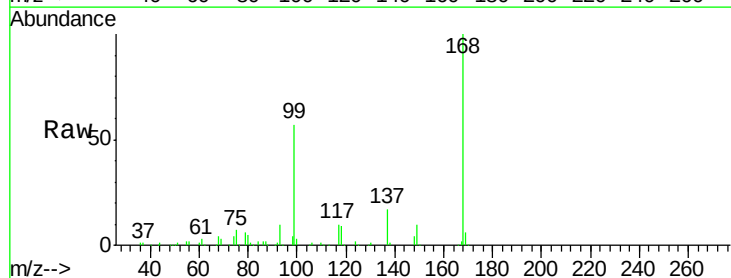
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW177-180625

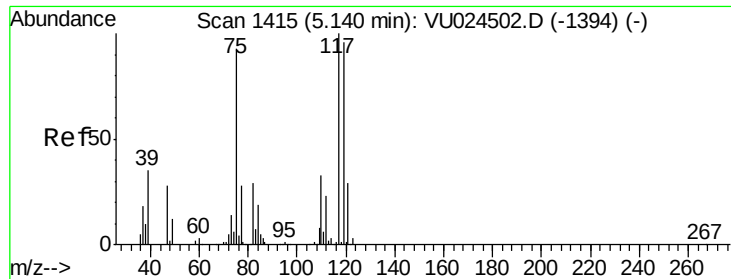
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.107 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.975 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

WP021MW177-180625

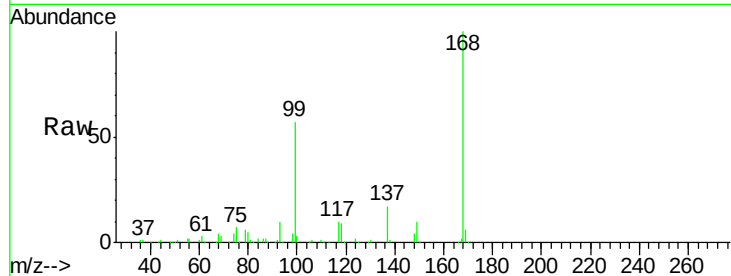
Tgt Ion:117 Resp: 20531

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

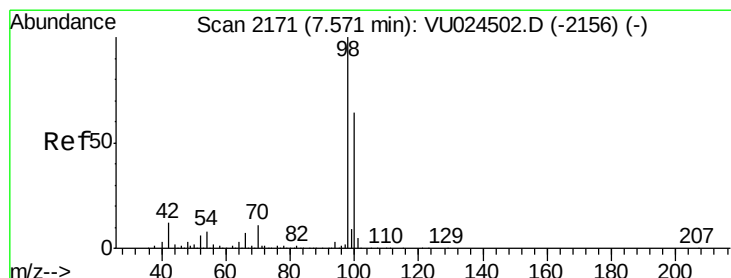
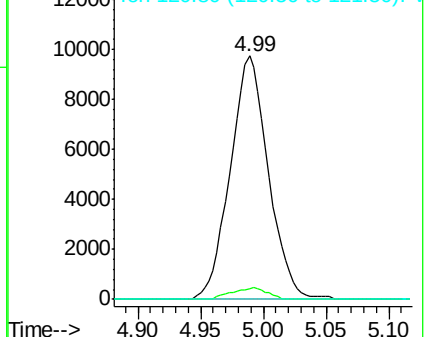
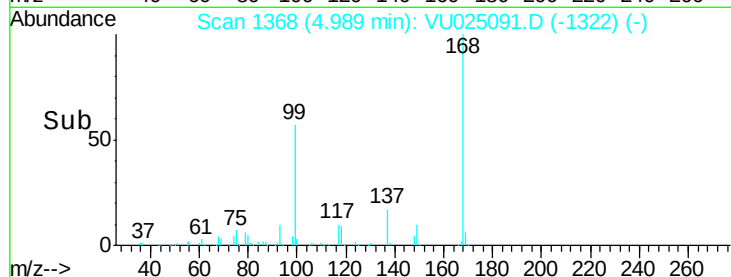
121 0.0 23.7 35.5#



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: 46.962 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025091.D

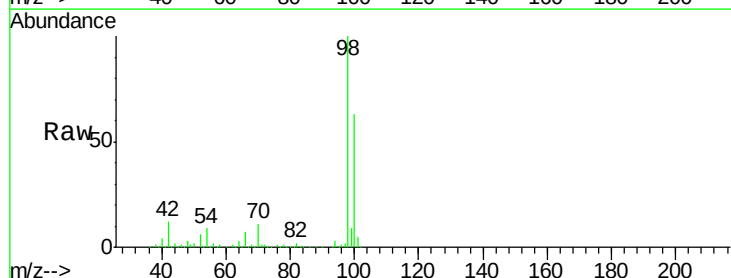
Acq: 30 Jun 2018 16:22

Tgt Ion: 98 Resp: 453989

Ion Ratio Lower Upper

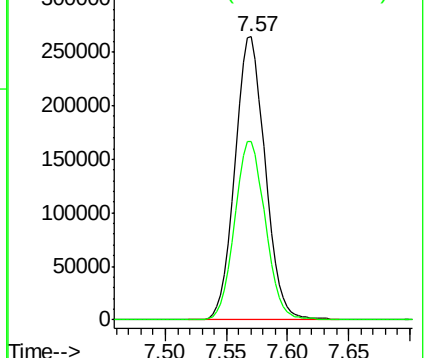
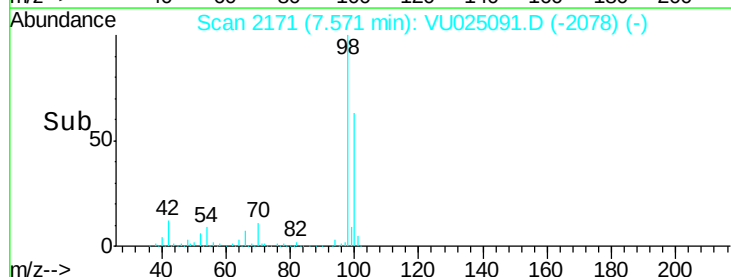
98 100

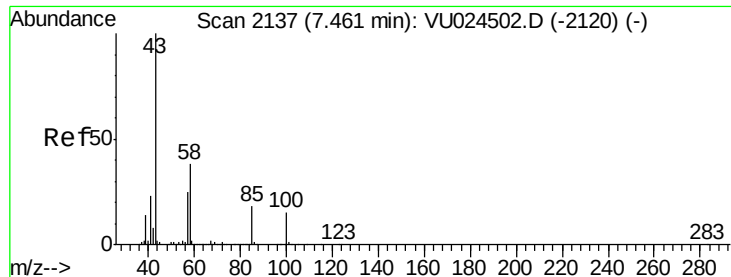
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

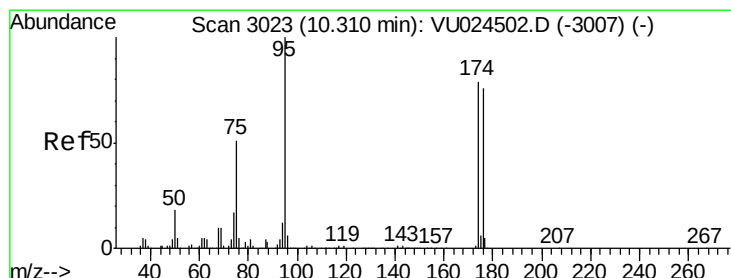
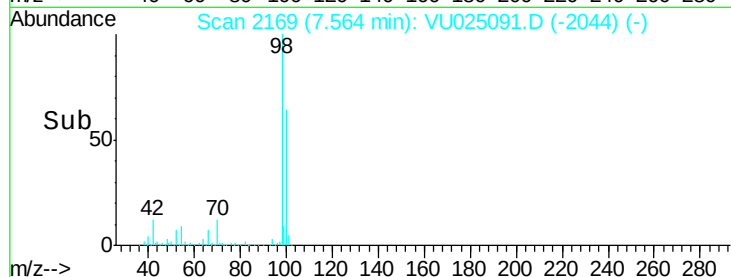
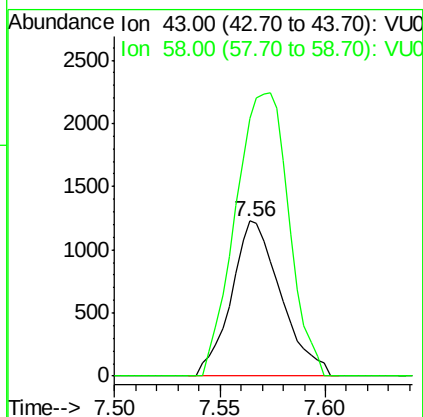
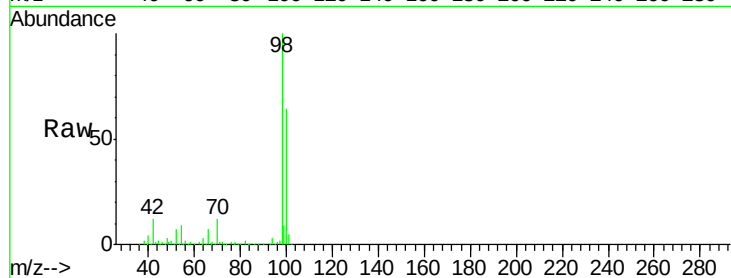




#51
 4-Methyl-2-Pentanone
 Concen: 0.452 ug/l
 RT: 7.56 min Scan# 2169
 Delta R.T. 0.10 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

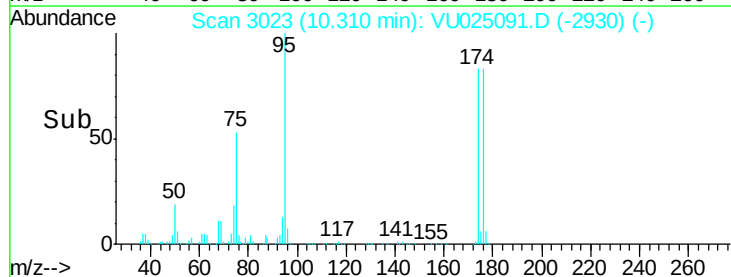
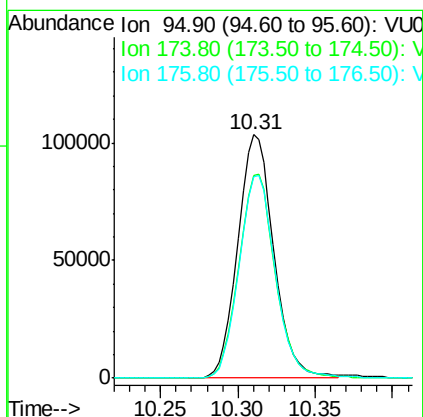
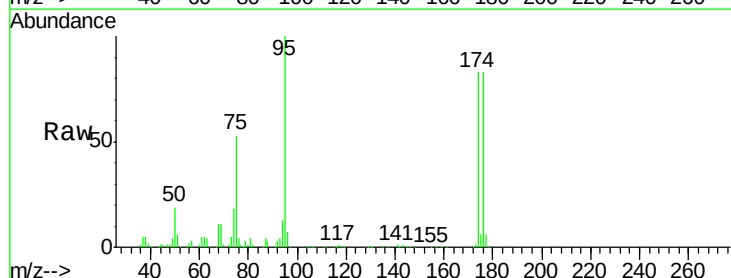
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW177-180625

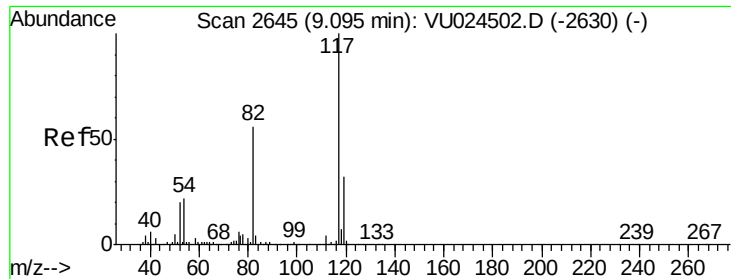
Tgt Ion: 43 Resp: 2007
 Ion Ratio Lower Upper
 43 100
 58 196.4 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 43.668 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

Tgt Ion: 95 Resp: 167608
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 165.8
 176 84.2 0.0 159.4

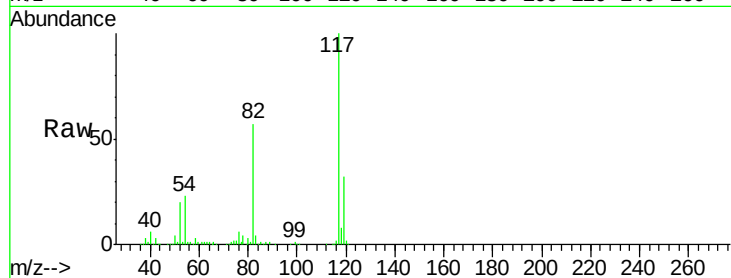




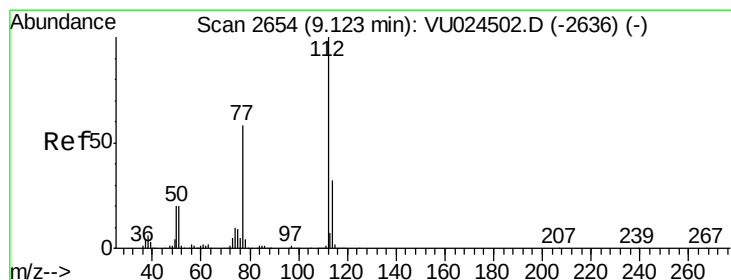
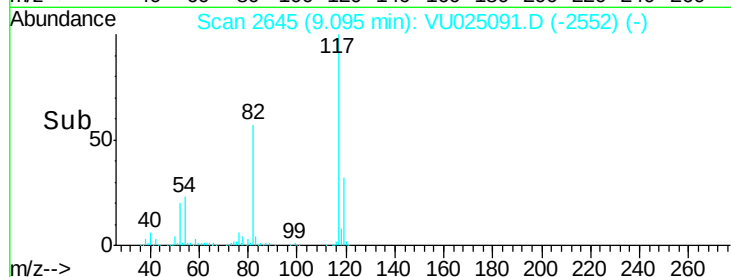
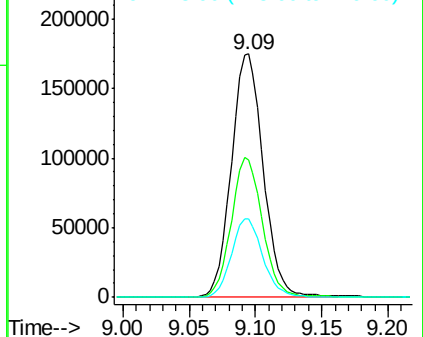
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025091.D
Acq: 30 Jun 2018 16:22

Instrument :
MSVOA_U
ClientSampleId :
WP021MW177-180625

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	292306		
82	56.6		44.3	66.5
119	32.3		25.4	38.2

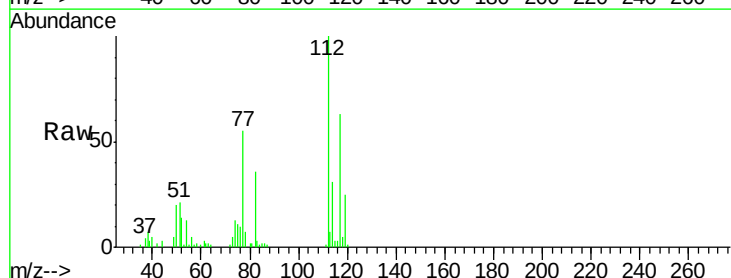


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

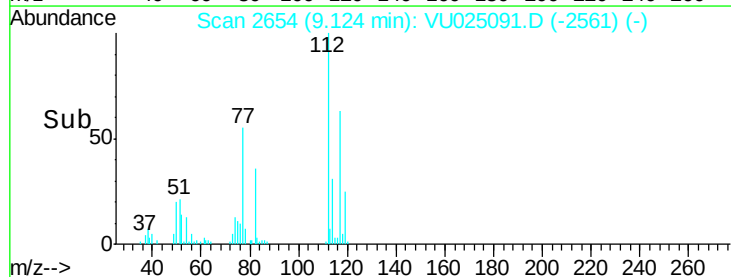
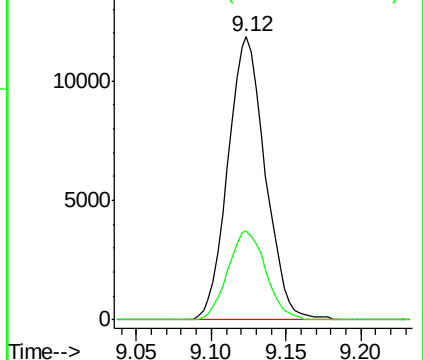


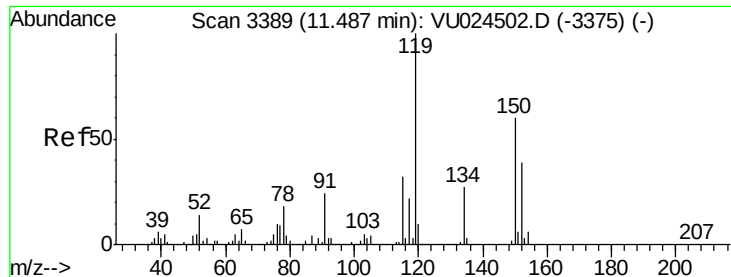
#65
Chlorobenzene
Concen: 2.761 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025091.D
Acq: 30 Jun 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	20617		
114	31.5		25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

WP021MW177-180625

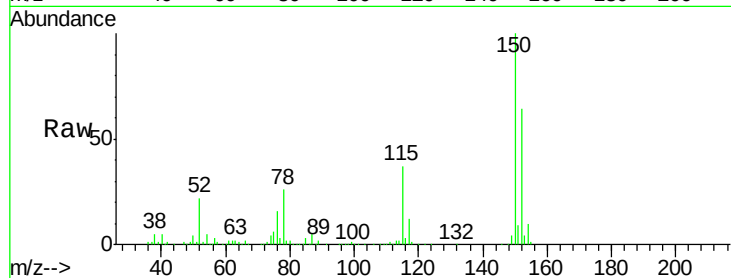
Tgt Ion:152 Resp: 150521

Ion Ratio Lower Upper

152 100

115 58.5 43.0 129.0

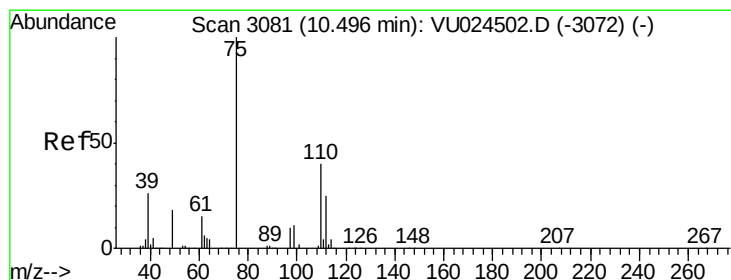
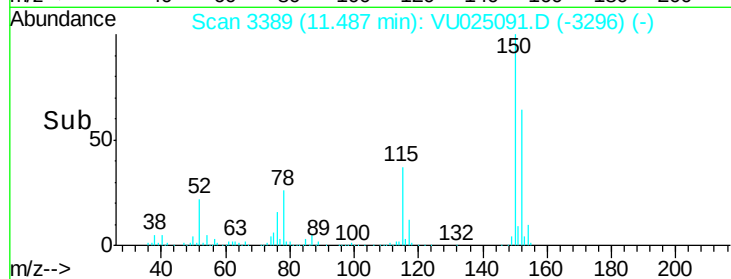
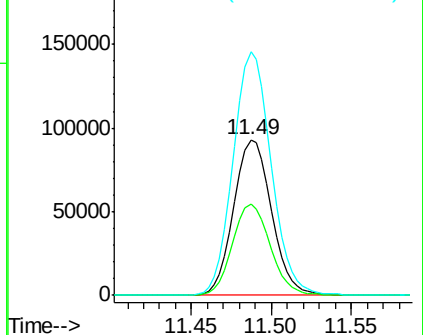
150 156.8 0.0 354.0



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



#76

1,2,3-Trichloropropane

Concen: 26.335 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025091.D

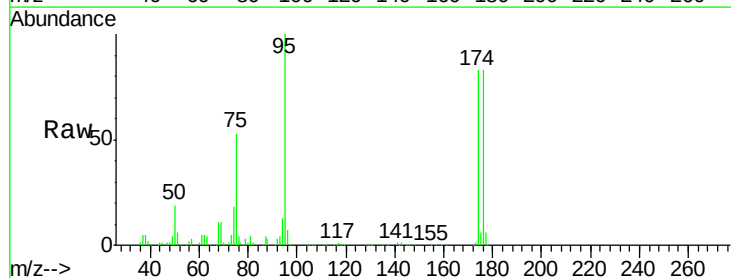
Acq: 30 Jun 2018 16:22

Tgt Ion: 75 Resp: 87271

Ion Ratio Lower Upper

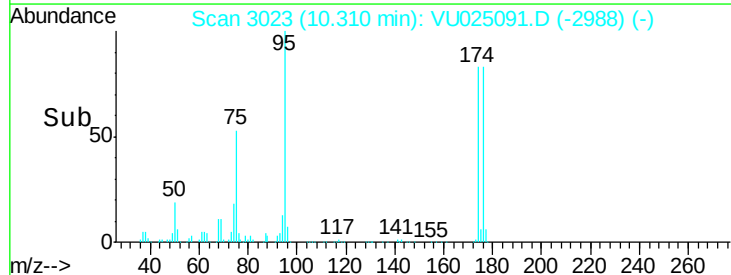
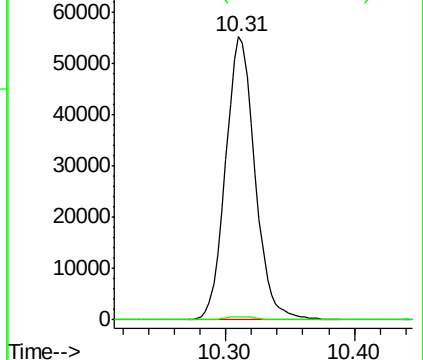
75 100

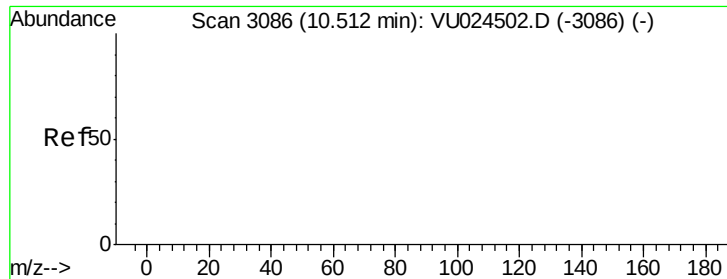
77 1.2 20.9 62.7#



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: 60.949 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

Instrument :

MSVOA_U

ClientSampleId :

WP021MW177-180625

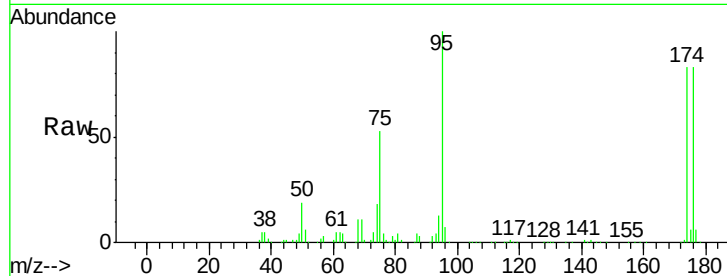
Tgt Ion: 75 Resp: 87271

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

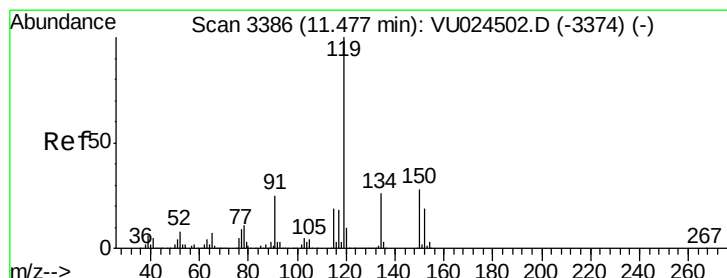
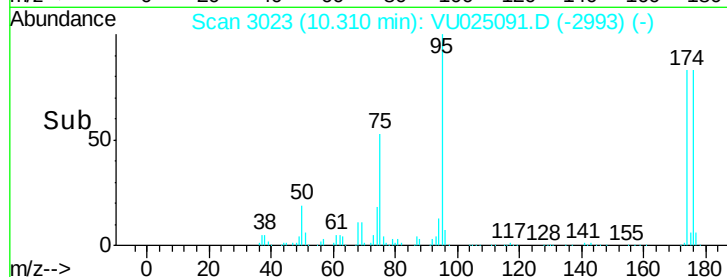
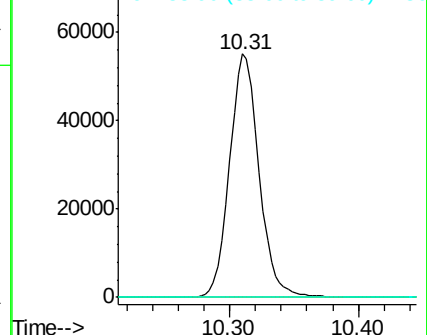
89 0.0 0.0 0.0



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) (-)



#86

p-Isopropyltoluene

Concen: 0.304 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025091.D

Acq: 30 Jun 2018 16:22

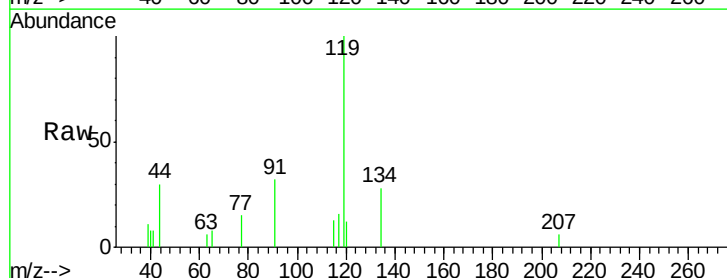
Tgt Ion: 119 Resp: 3283

Ion Ratio Lower Upper

119 100

134 23.8 12.9 38.6

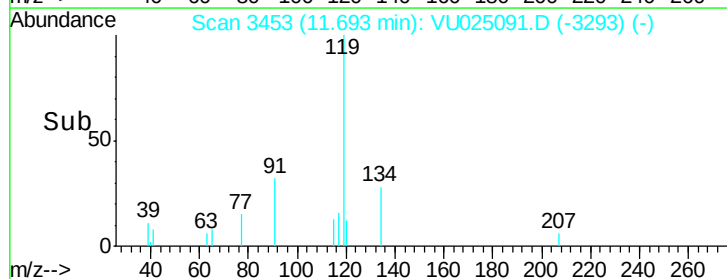
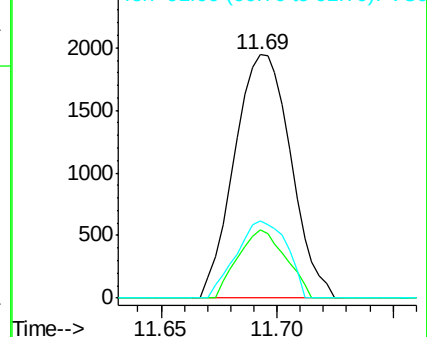
91 28.4 12.0 36.1

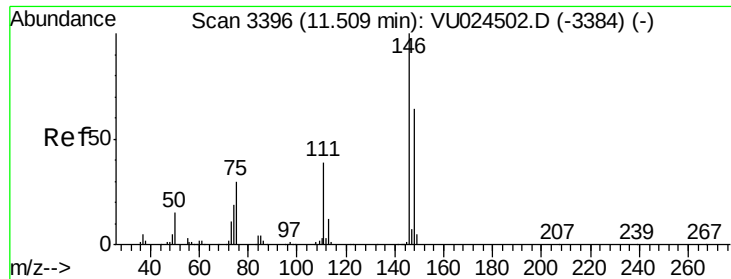


Abundance Ion 119.00 (118.70 to 119.70): VU024502.D (-3374) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3374) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-3374) (-)

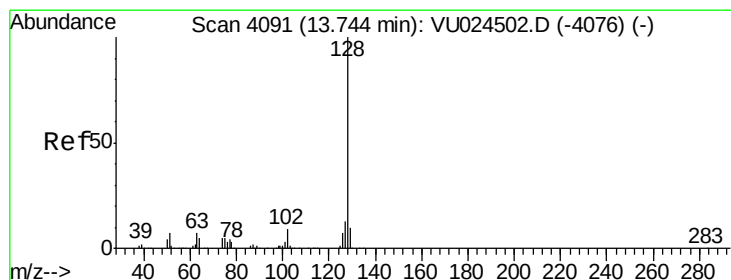
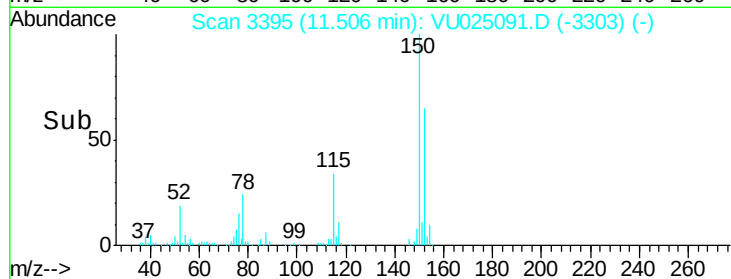
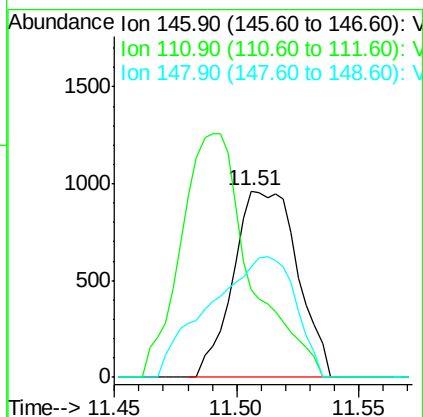
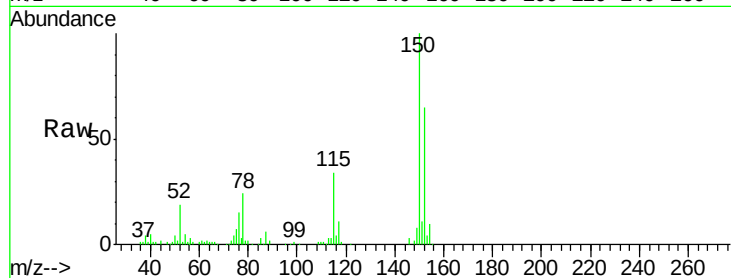




#88
 1,4-Dichlorobenzene
 Concen: 0.324 ug/l
 RT: 11.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW177-180625

Tgt Ion:146 Resp: 1760
 Ion Ratio Lower Upper
 146 100
 111 140.5 19.5 58.5#
 148 86.8 32.4 97.0



#95
 Naphthalene
 Concen: 0.701 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025091.D
 Acq: 30 Jun 2018 16:22

Tgt Ion:128 Resp: 243
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#

