

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024849.D
 Acq On : 22 Jun 2018 22:15
 Operator : MD/SY
 Sample : J3662-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

Quant Time: Jun 25 10:06:45 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	196884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299266	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154067	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	142497	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
35) Dibromofluoromethane	4.89	113	116144	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	438982	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	165464	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

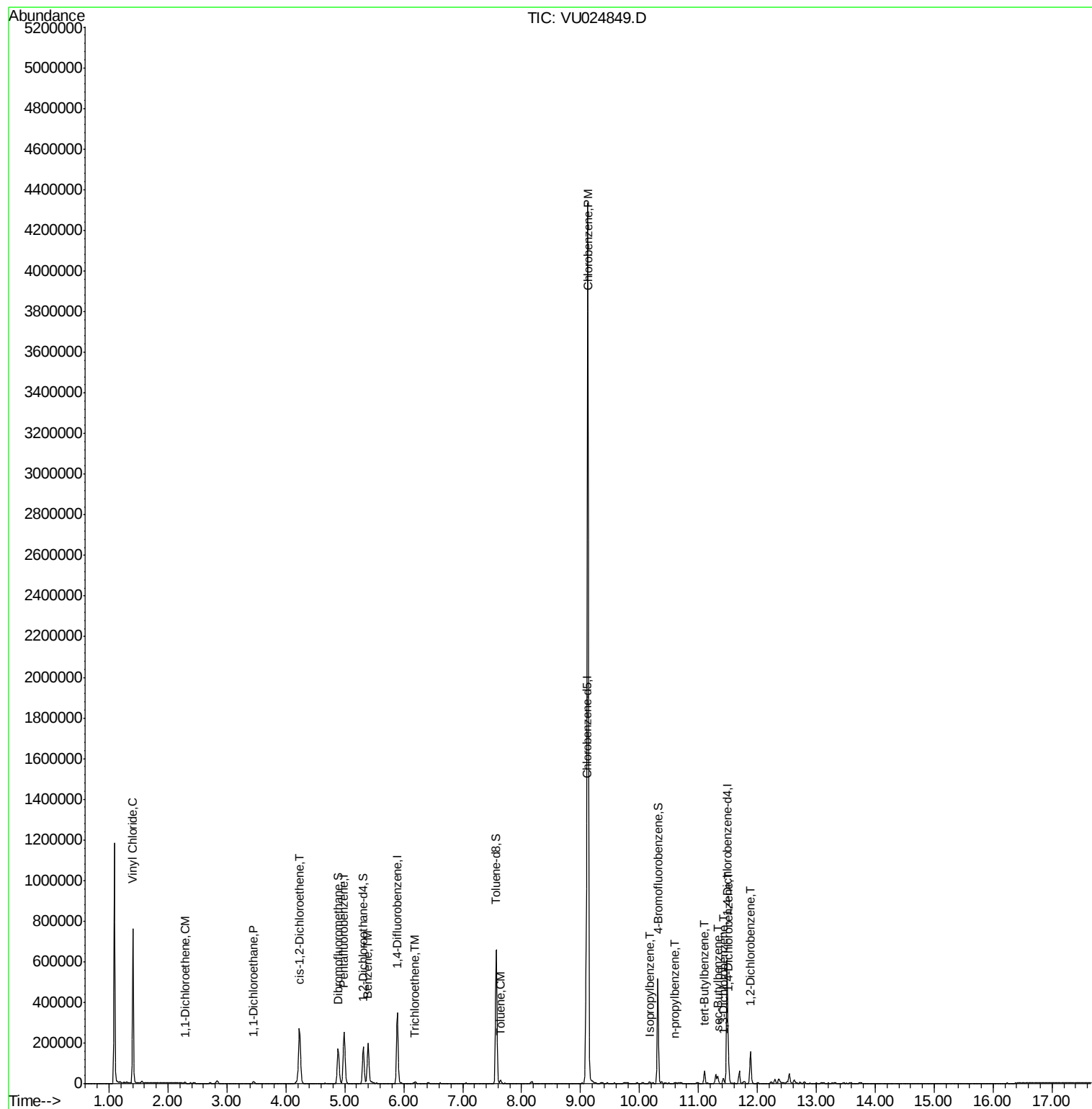
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	476815	183.64	ug/l	99
12) 1,1-Dichloroethene	2.29	96	2421	1.08	ug/l	# 64
24) 1,1-Dichloroethane	3.45	63	11777	2.48	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	151087	53.22	ug/l	89
40) Benzene	5.39	78	197892	19.75	ug/l	100
44) Trichloroethene	6.19	130	3082	1.08	ug/l	99
52) Toluene	7.64	92	6452	1.00	ug/l	98
65) Chlorobenzene	9.12	112	2226671	310.23	ug/l	99
73) Isopropylbenzene	10.17	105	6794	0.57	ug/l	98
78) n-propylbenzene	10.60	91	3481	0.25	ug/l	96
83) tert-Butylbenzene	11.10	119	30942	3.14	ug/l	93
85) sec-Butylbenzene	11.33	105	24553	1.99	ug/l	94
87) 1,3-Dichlorobenzene	11.42	146	10627	1.92	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	29368	5.27	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	62944	11.36	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

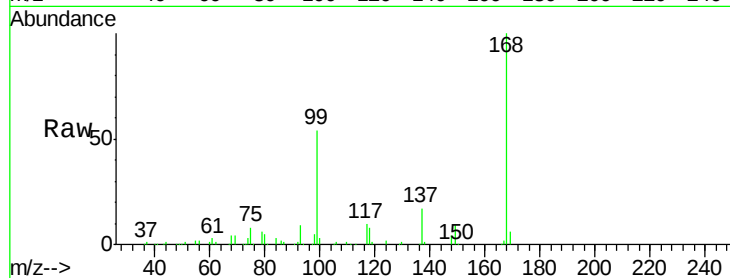
WP021RW246-180618

Tot Ion:168 Resp: 196884

Ion Ratio Lower Upper

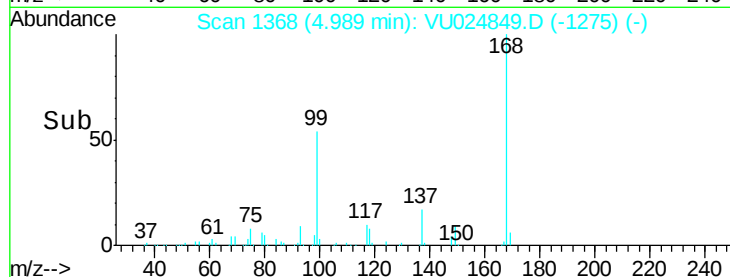
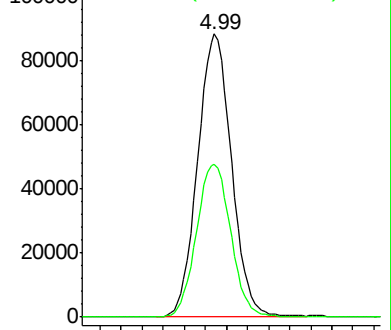
168 100

99 54.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 183.64 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024849.D

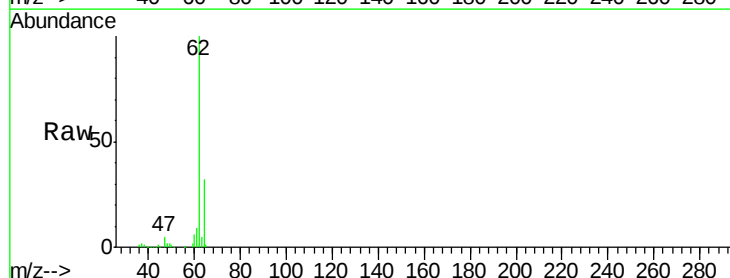
Acq: 22 Jun 2018 22:15

Tgt Ion: 62 Resp: 476815

Ion Ratio Lower Upper

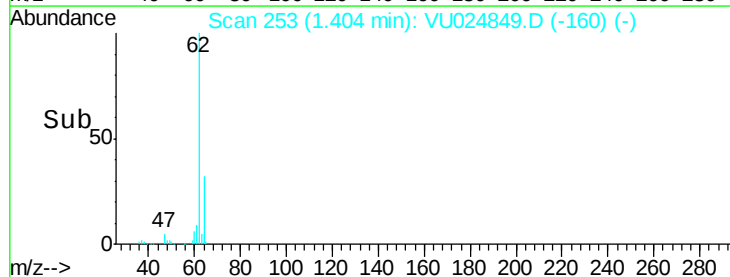
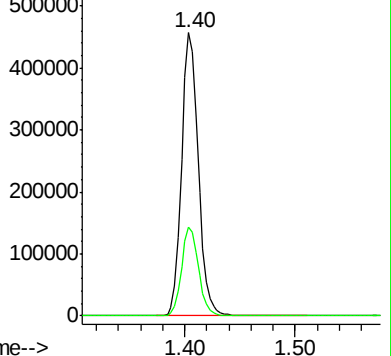
62 100

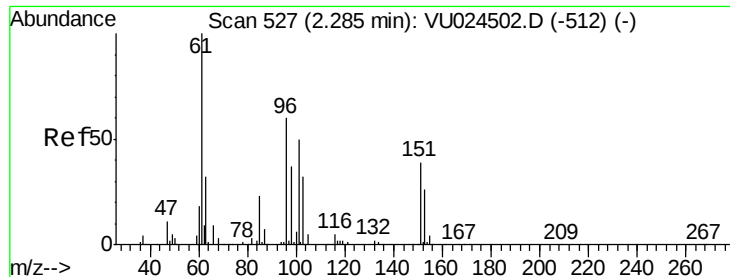
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#12

1,1-Dichloroethene

Concen: 1.08 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

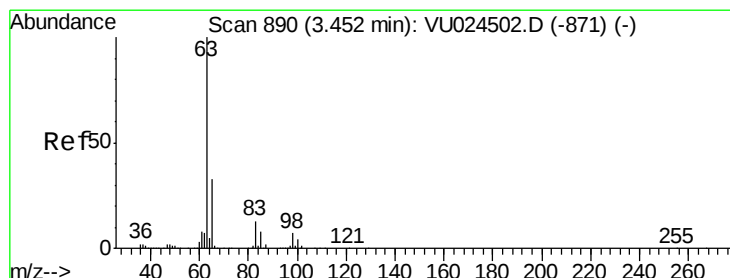
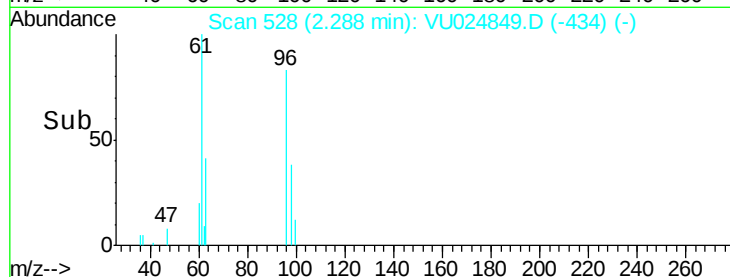
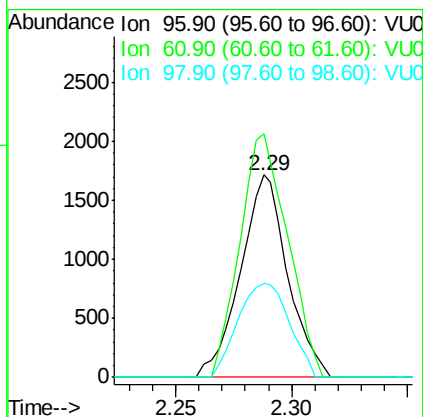
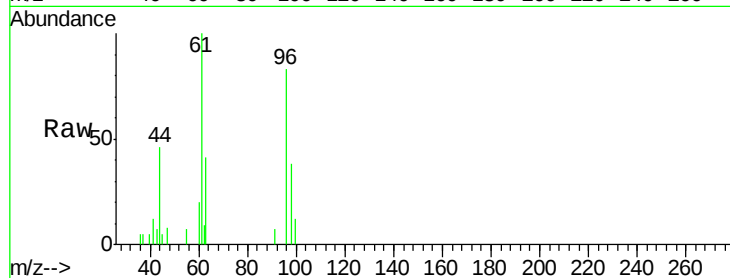
Tot Ion: 96 Resp: 2421

Ion Ratio Lower Upper

96 100

61 120.5 141.7 212.5#

98 46.2 51.6 77.4#



#24

1,1-Dichloroethane

Concen: 2.48 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

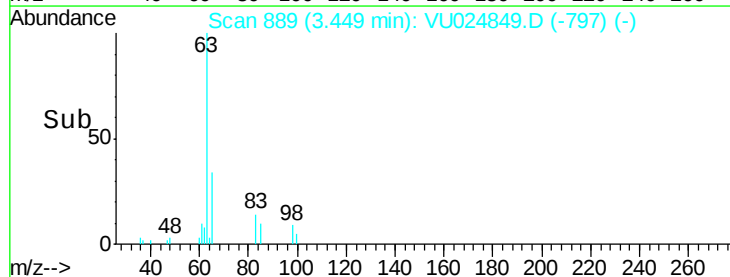
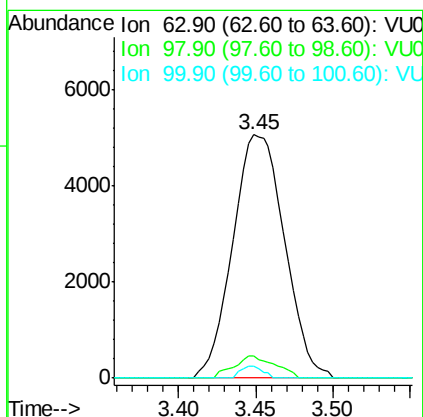
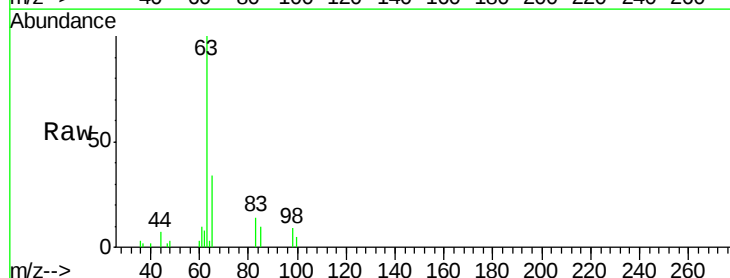
Tgt Ion: 63 Resp: 11777

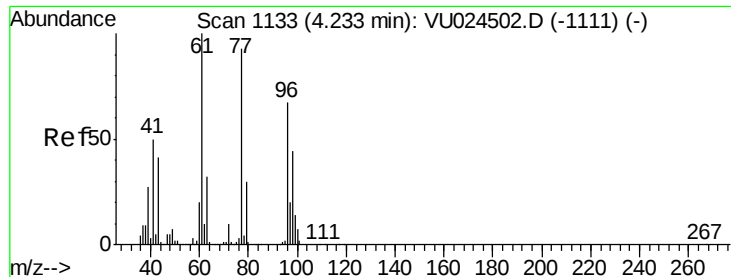
Ion Ratio Lower Upper

63 100

98 9.0 3.5 10.4

100 4.8 1.8 5.5

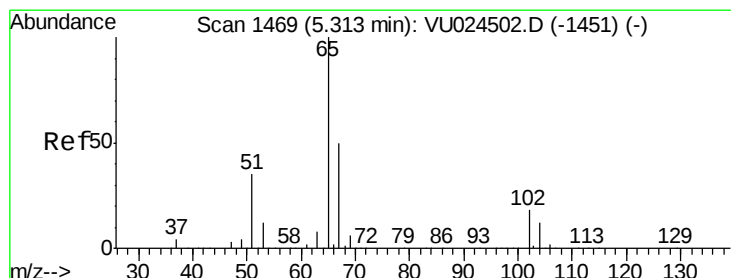
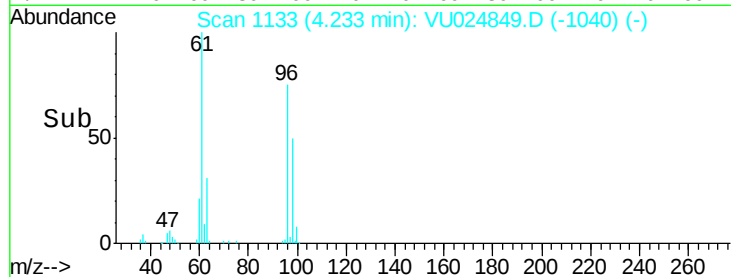
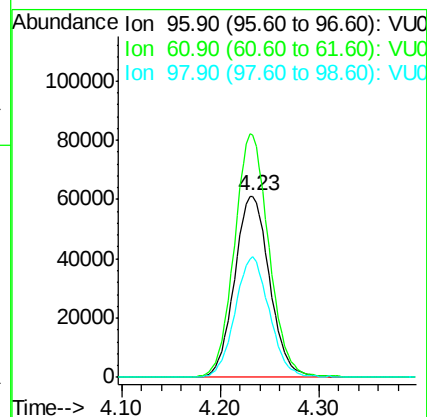
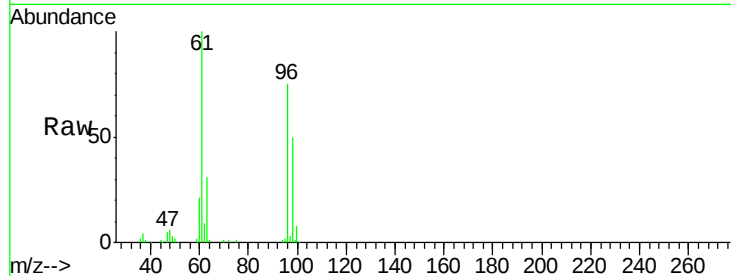




#27
 cis-1,2-Dichloroethene
 Concen: 53.22 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

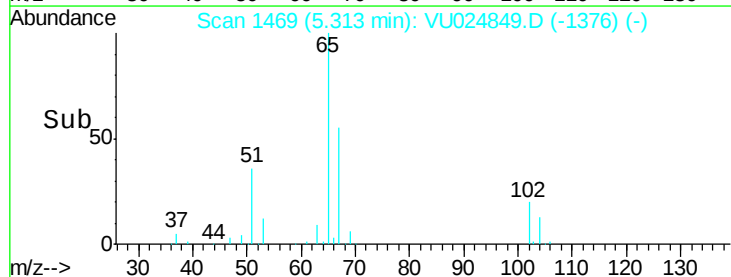
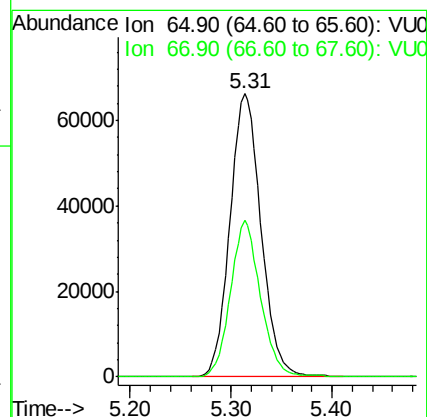
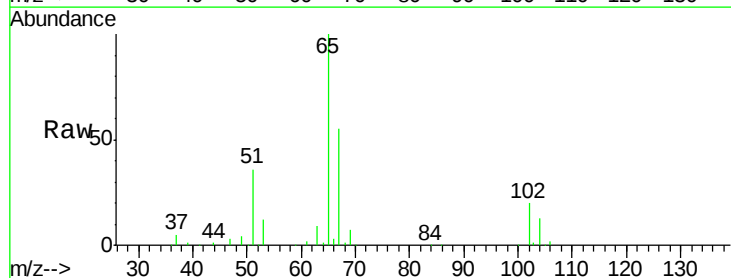
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

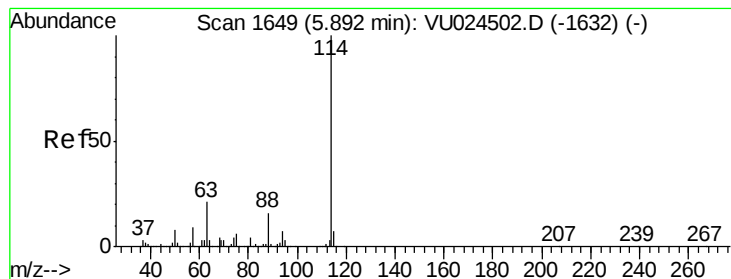
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	306.6
98	65.0	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 44.33 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

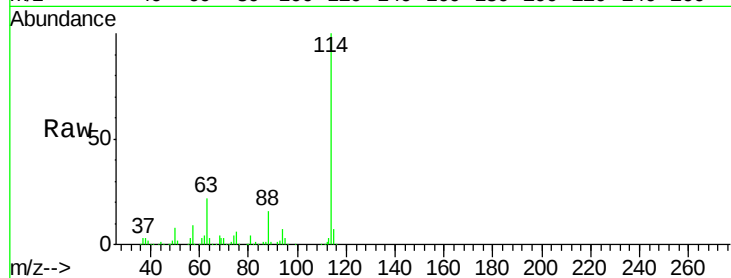
Tot Ion:114 Resp: 299266

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.4

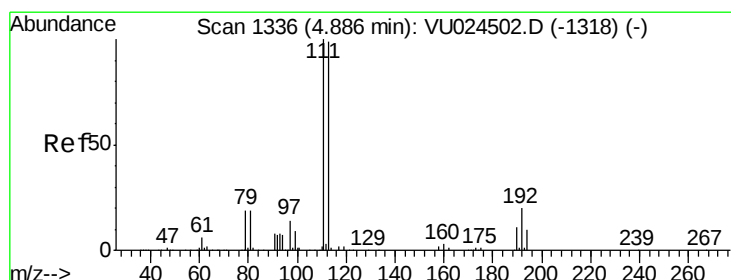
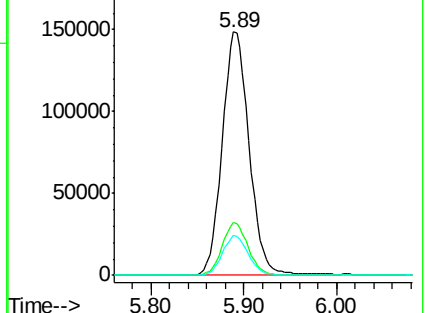
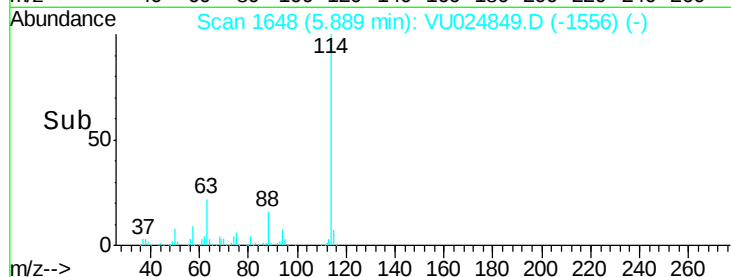
88 16.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.76 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

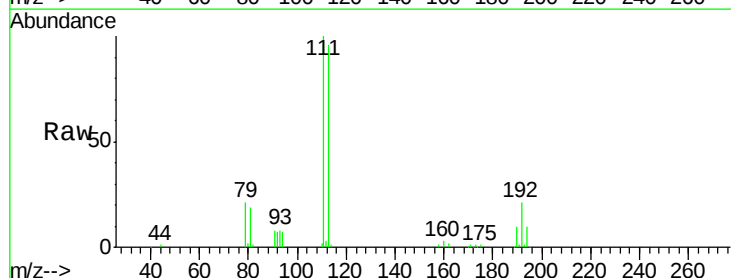
Tgt Ion:113 Resp: 116144

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

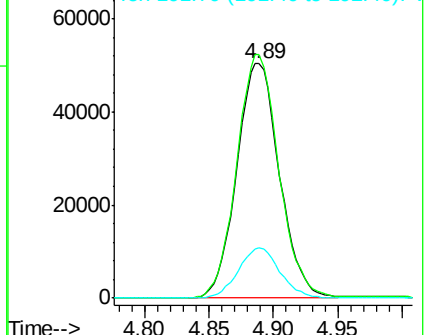
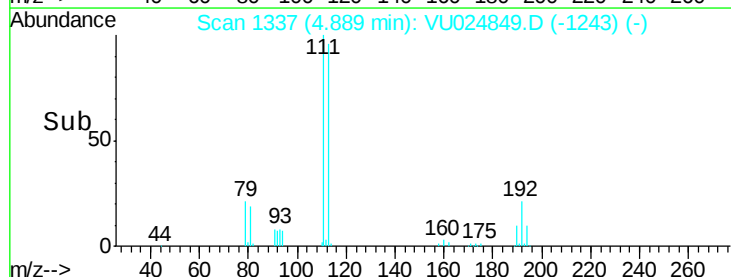
192 20.9 16.2 24.4

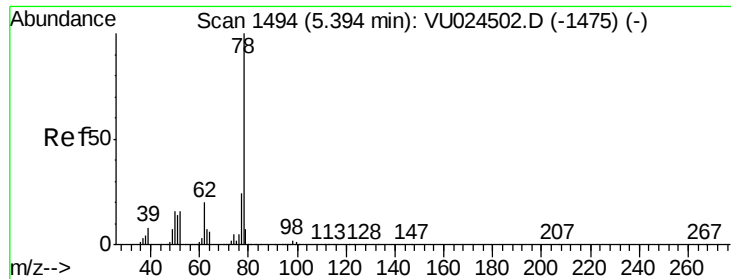


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 19.75 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

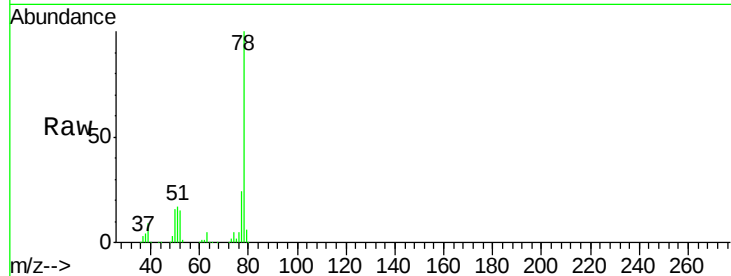
WP021RW246-180618

Tot Ion: 78 Resp: 197892

Ion Ratio Lower Upper

78 100

77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

100000

80000

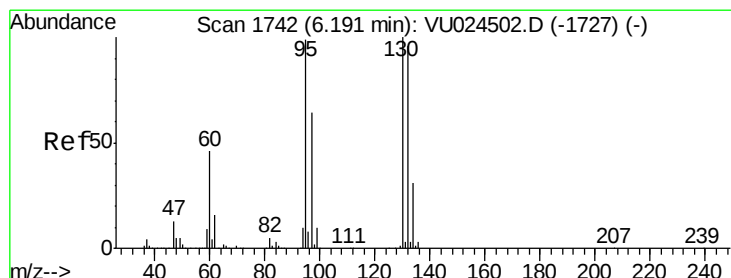
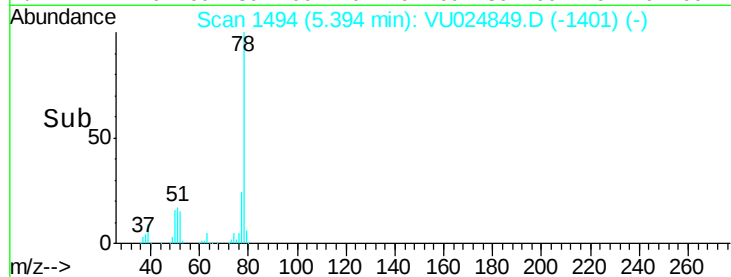
60000

40000

20000

0

Time-->



#44

Trichloroethene

Concen: 1.08 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024849.D

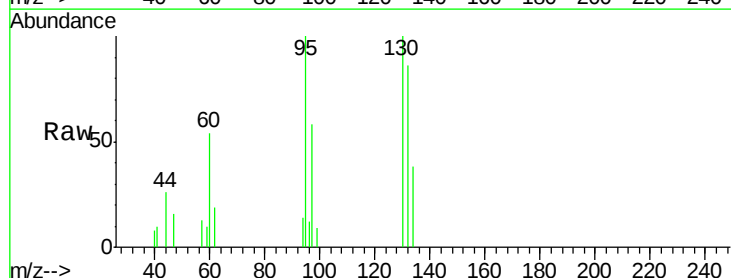
Acq: 22 Jun 2018 22:15

Tgt Ion:130 Resp: 3082

Ion Ratio Lower Upper

130 100

95 99.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

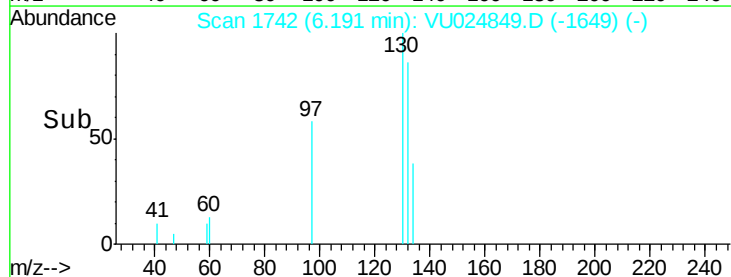
1500

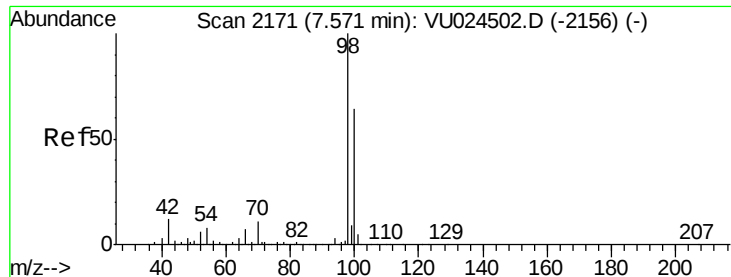
1000

500

0

Time-->





#50

Toluene-d8

Concen: 48.46 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

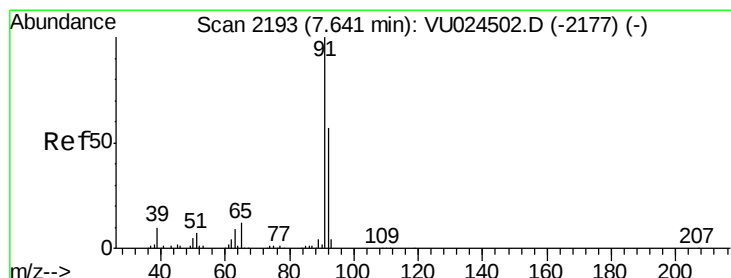
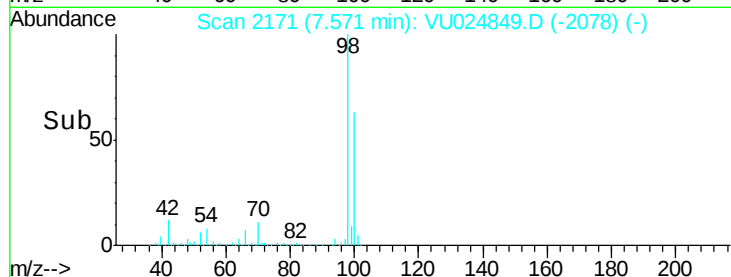
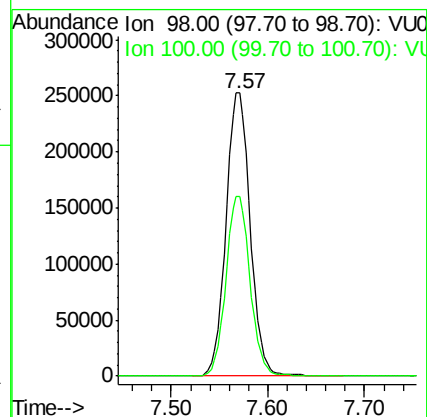
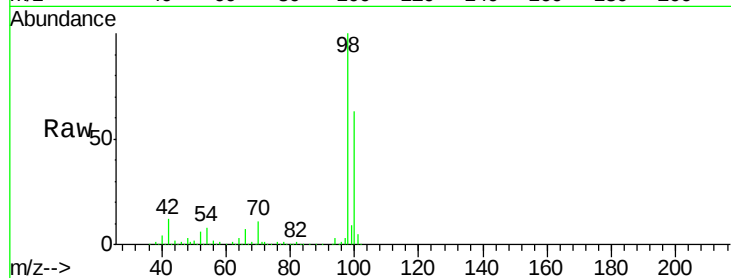
WP021RW246-180618

Tot Ion: 98 Resp: 438982

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



#52

Toluene

Concen: 1.00 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024849.D

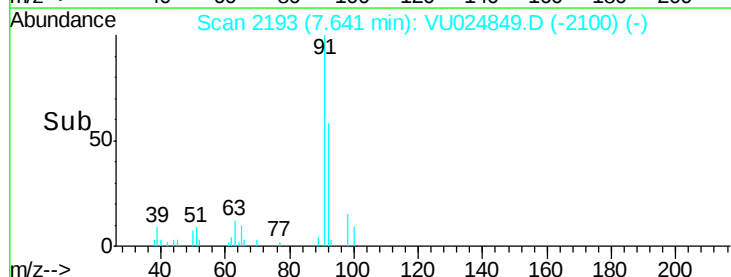
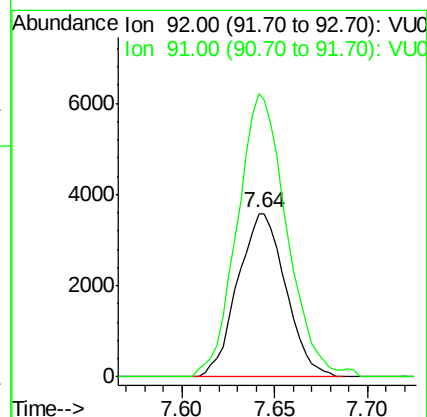
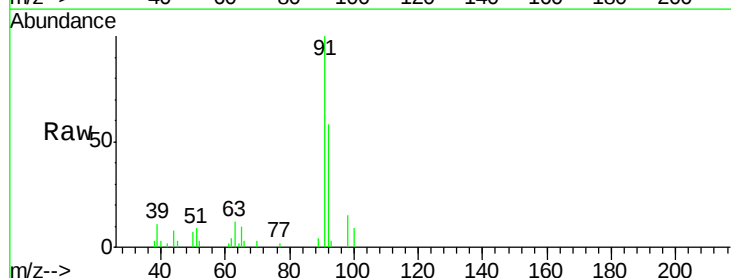
Acq: 22 Jun 2018 22:15

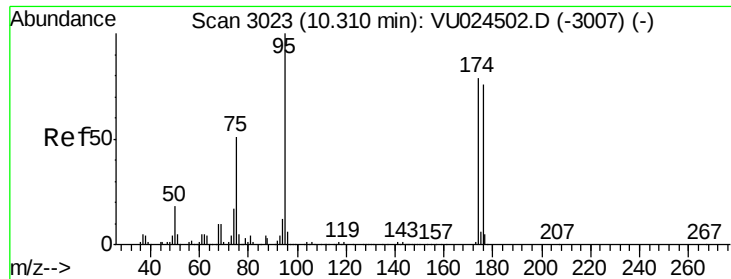
Tgt Ion: 92 Resp: 6452

Ion Ratio Lower Upper

92 100

91 178.7 140.5 210.7

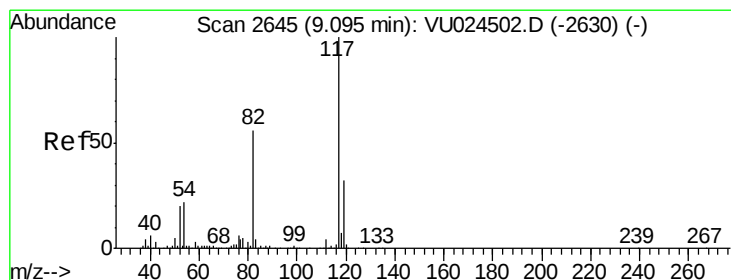
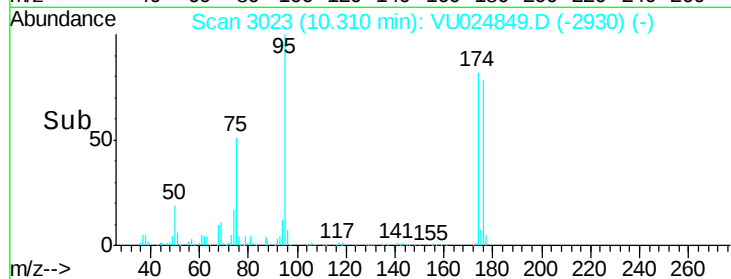
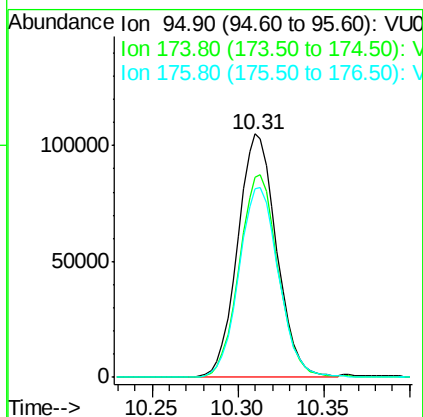
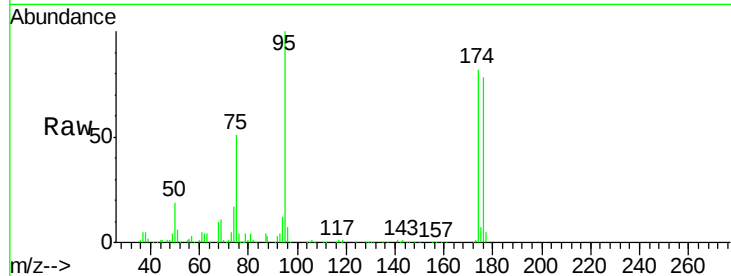




#62
4-Bromofluorobenzene
Concen: 46.00 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024849.D
Acq: 22 Jun 2018 22:15

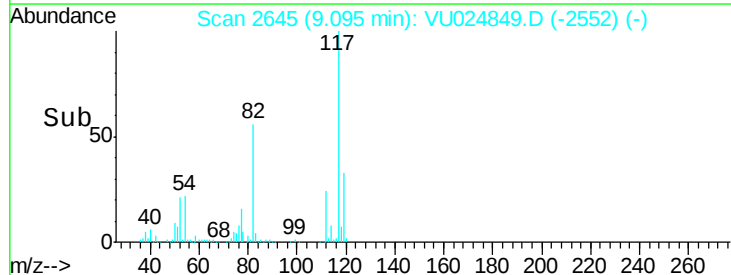
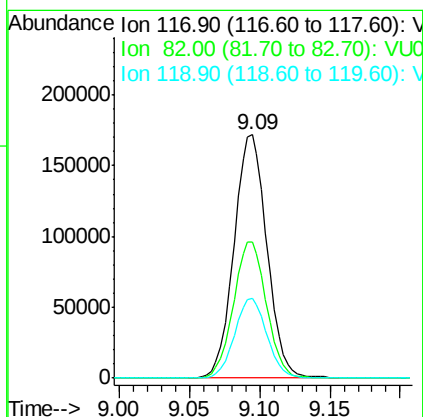
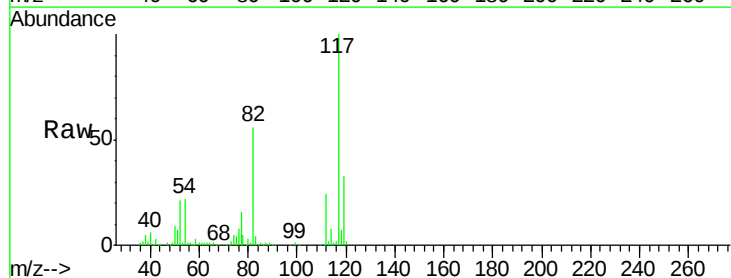
Instrument :
MSVOA_U
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WP021RW246-180618

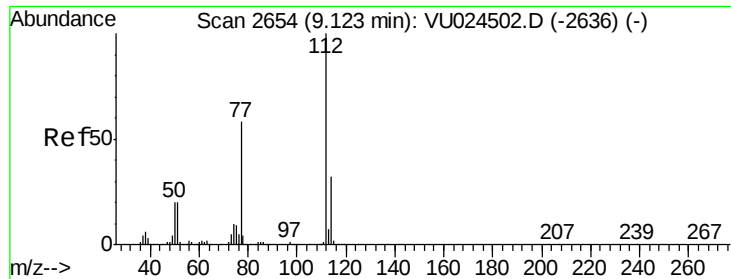
Tot Ion	95	Resp	165464
Ion Ratio	Lower	Upper	
95	100		
174	83.4	0.0	165.8
176	80.0	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024849.D
Acq: 22 Jun 2018 22:15

Tgt Ion	117	Resp	280958
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.3	66.5
119	33.0	25.4	38.2





#65

Chlorobenzene

Concen: 310.23 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

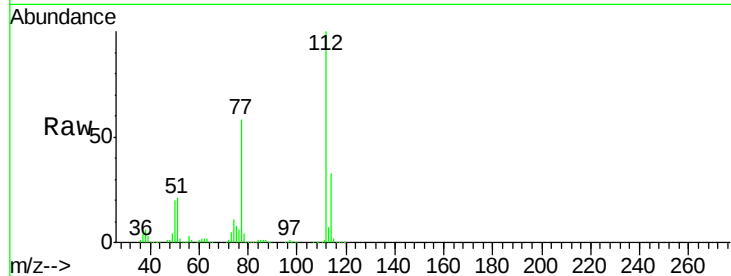
WP021RW246-180618

Tot Ion:112 Resp: 2226671

Ion Ratio Lower Upper

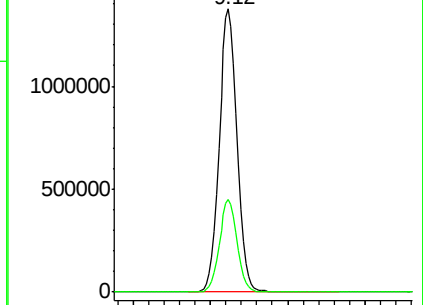
112 100

114 32.8 25.6 38.4

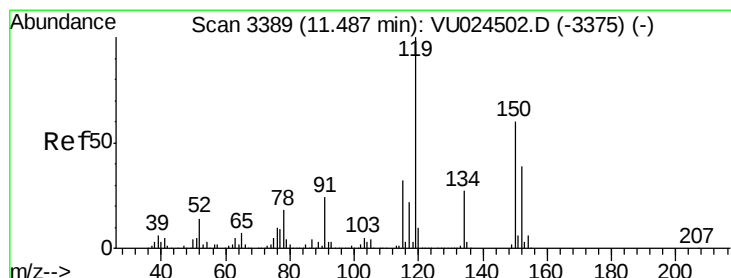
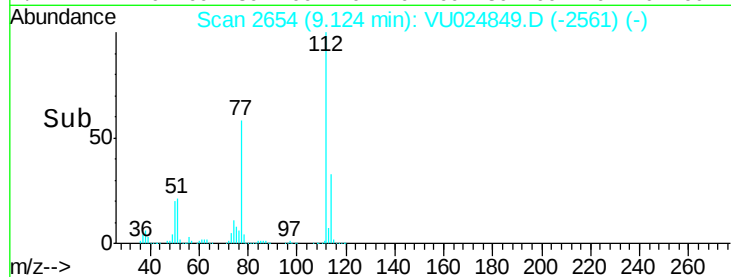


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

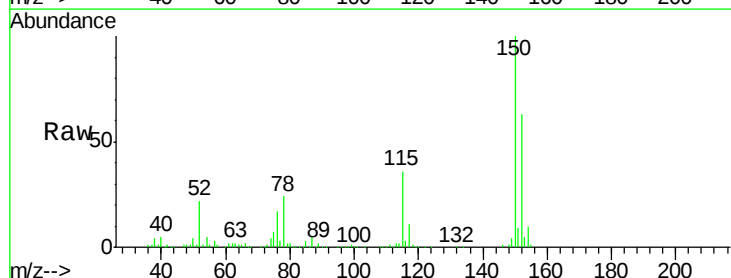
Tgt Ion:152 Resp: 154067

Ion Ratio Lower Upper

152 100

115 56.6 43.0 129.0

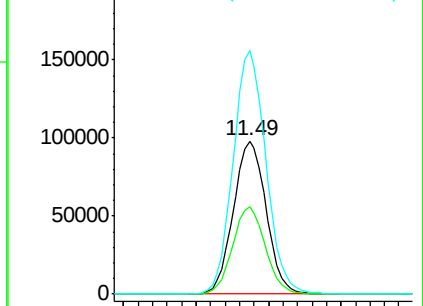
150 159.4 0.0 354.0



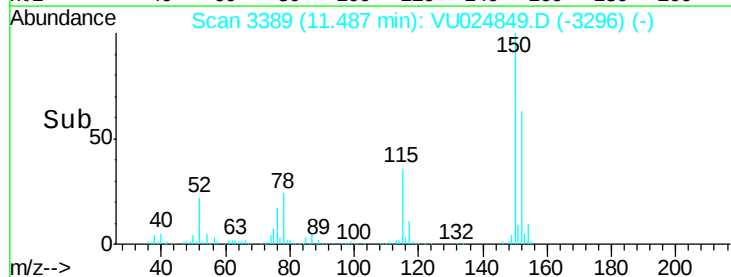
Abundance Ion 151.90 (151.60 to 152.60): V

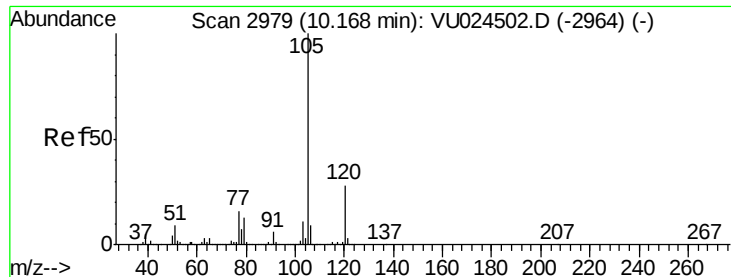
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 0.57 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

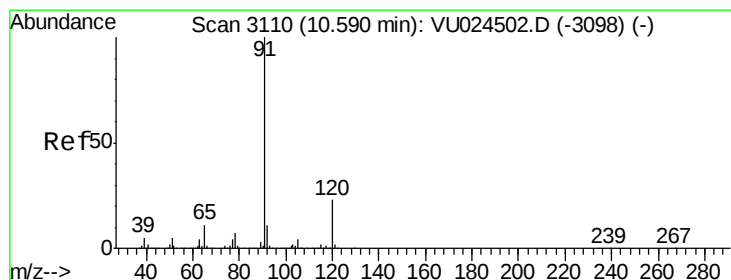
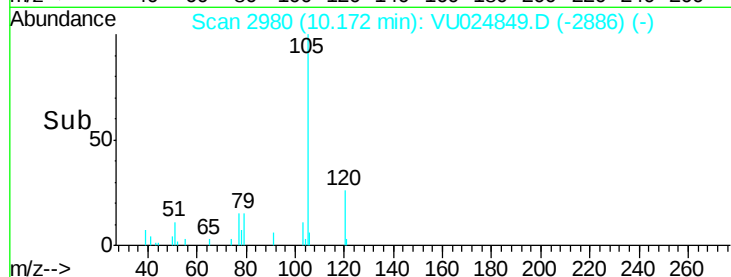
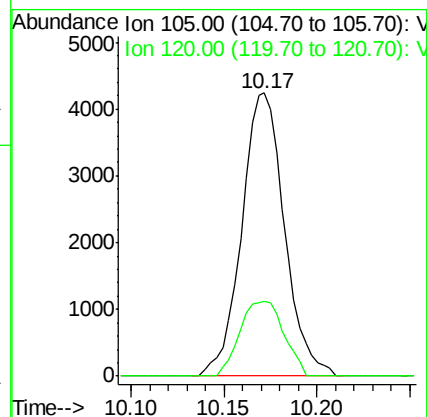
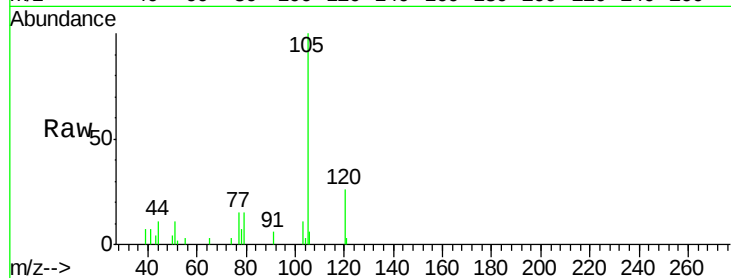
WP021RW246-180618

Tot Ion:105 Resp: 6794

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6



#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU024849.D

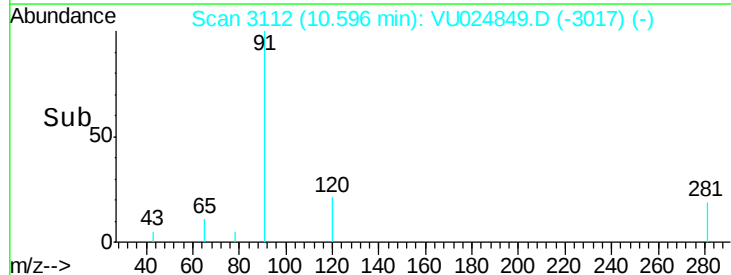
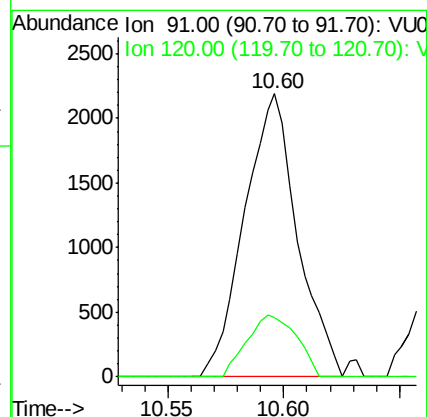
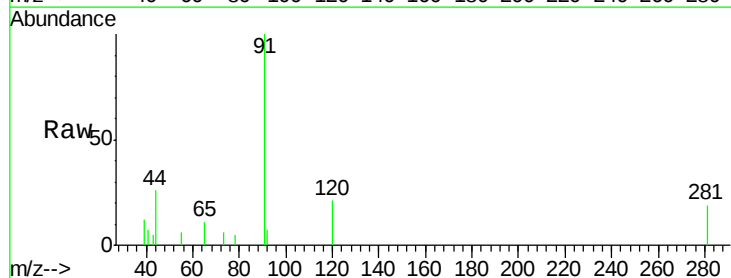
Acq: 22 Jun 2018 22:15

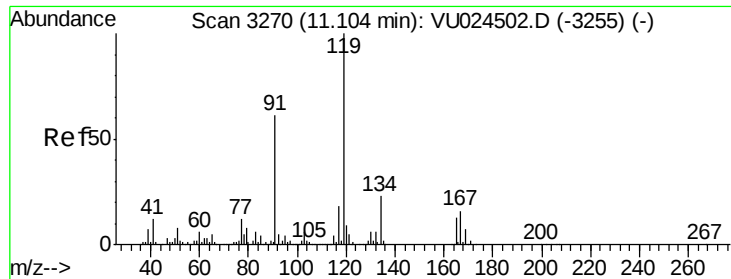
Tgt Ion: 91 Resp: 3481

Ion Ratio Lower Upper

91 100

120 20.4 11.2 33.5





#83

tert-Butylbenzene

Concen: 3.14 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024849.D

Acq: 22 Jun 2018 22:15

Instrument :

MSVOA_U

ClientSampleId :

WP021RW246-180618

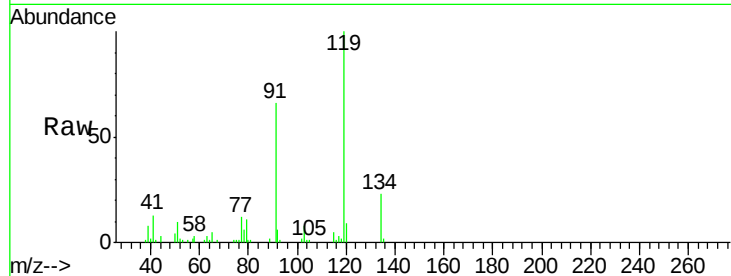
Tot Ion:119 Resp: 30942

Ion Ratio Lower Upper

119 100

91 66.3 29.7 89.1

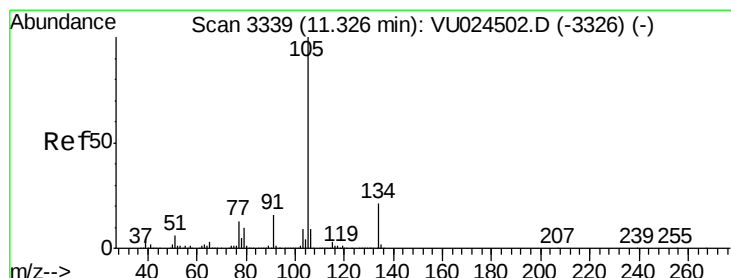
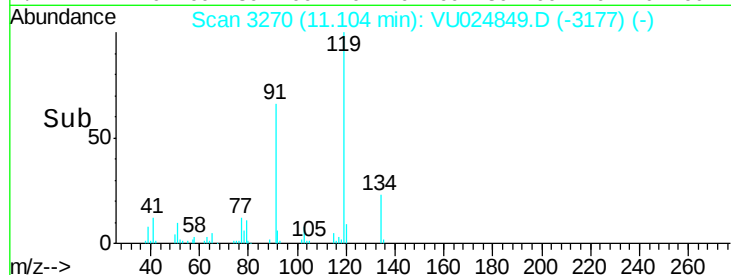
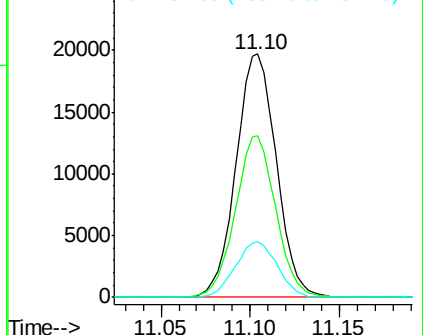
134 23.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 1.99 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024849.D

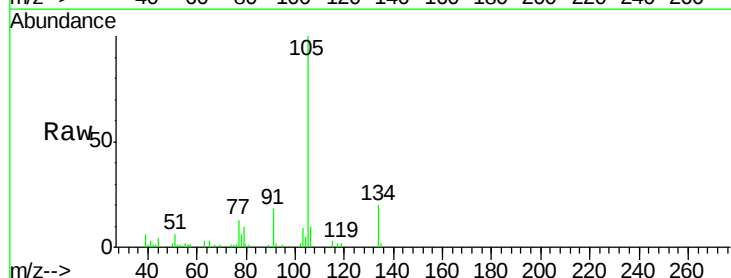
Acq: 22 Jun 2018 22:15

Tgt Ion:105 Resp: 24553

Ion Ratio Lower Upper

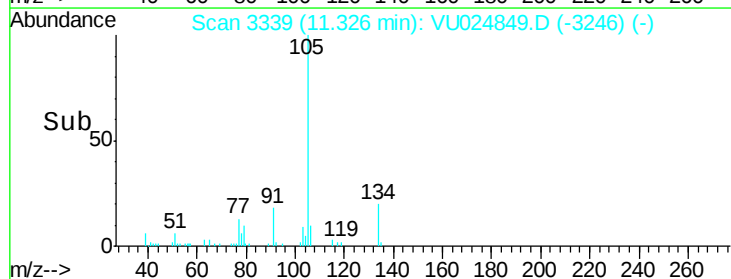
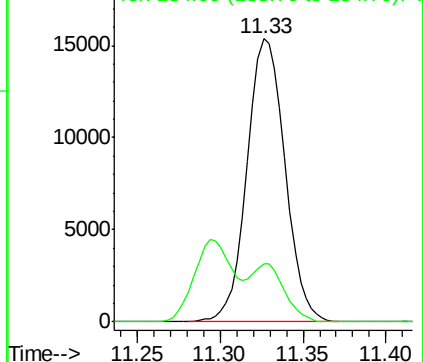
105 100

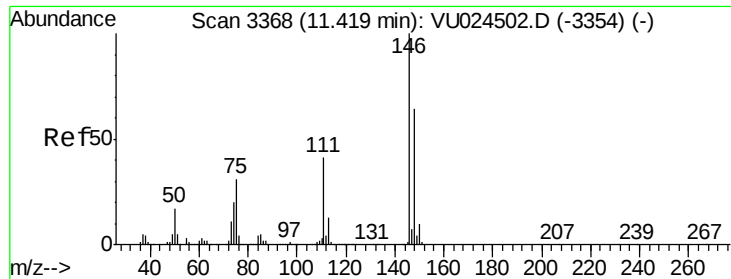
134 16.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

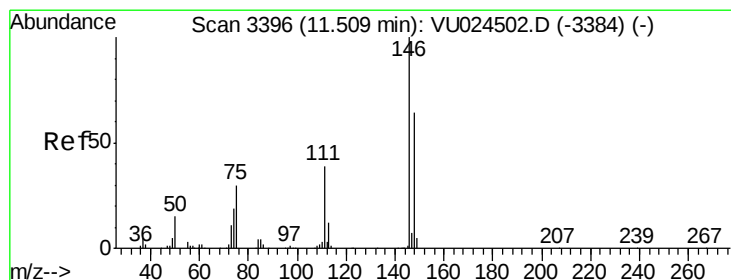
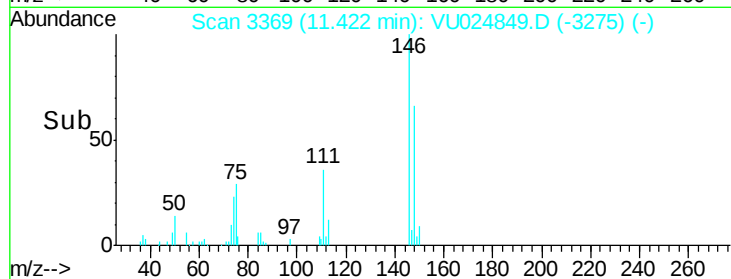
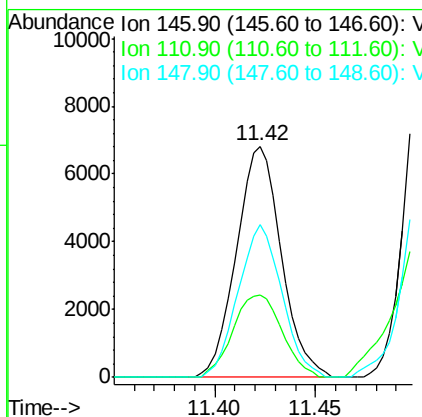
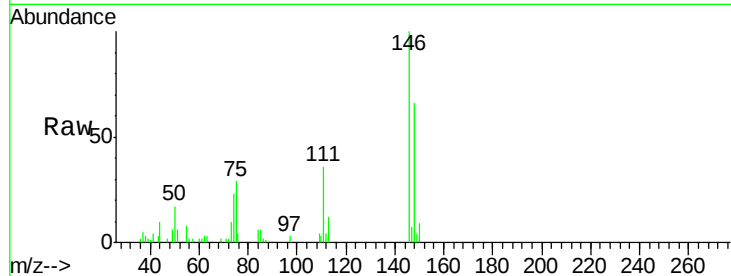




#87
 1,3-Dichlorobenzene
 Concen: 1.92 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

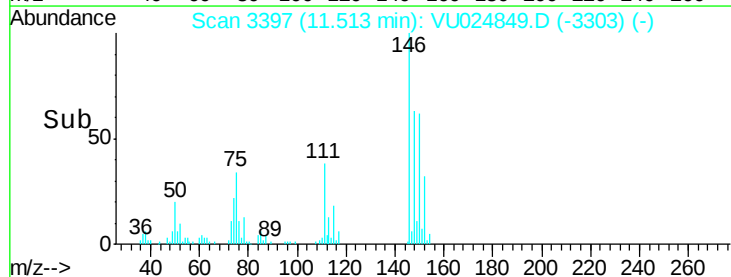
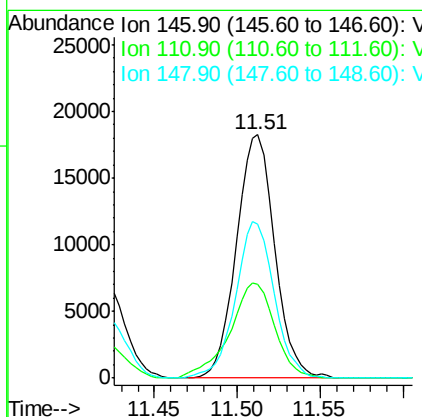
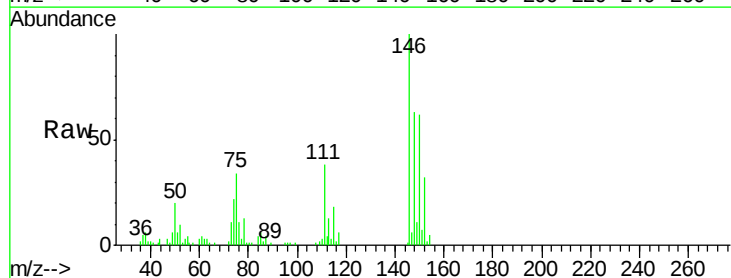
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

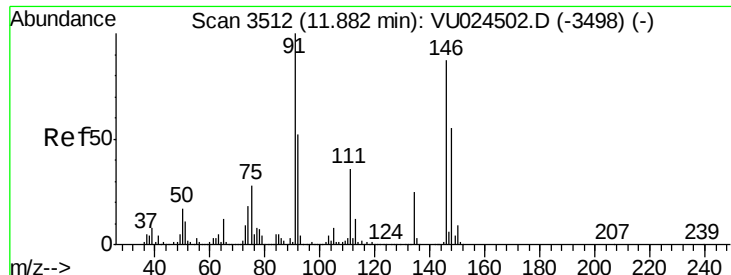
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	64.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.27 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	19.5	58.5
148	64.7	32.4	97.0





#91
 1,2-Dichlorobenzene
 Concen: 11.36 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024849.D
 Acq: 22 Jun 2018 22:15

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021RW246-180618

Tot Ion:146	Resp:	62944
Ion	Ratio	Lower Upper
146	100	
111	40.5	20.5 61.6
148	65.9	31.9 95.7

