

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025101.D
 Acq On : 30 Jun 2018 20:26
 Operator : MD/SY
 Sample : J3759-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

Quant Time: Jul 02 07:30:29 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	217536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	318912	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157152	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	164519	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
35) Dibromofluoromethane	4.89	113	127785	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	7.57	98	460174	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	10.31	95	173576	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

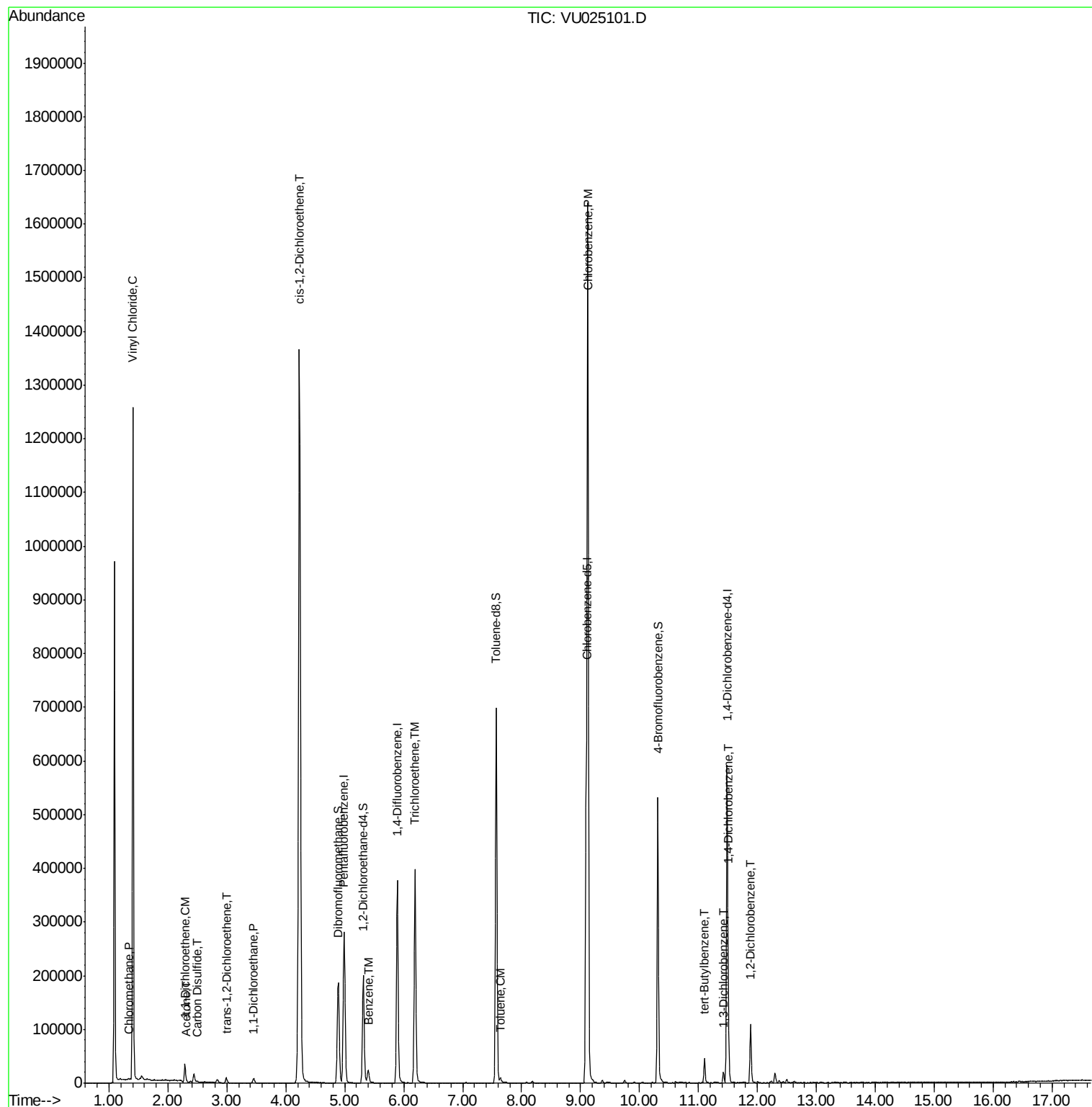
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1297	0.47	ug/l	99
4) Vinyl Chloride	1.40	62	784016	273.29	ug/l	98
12) 1,1-Dichloroethene	2.29	96	11169	4.51	ug/l	92
16) Acetone	2.32	43	1648	0.86	ug/l	93
17) Carbon Disulfide	2.49	76	3849	0.49	ug/l #	89
21) trans-1,2-Dichloroethene	2.99	96	3696	1.35	ug/l	92
24) 1,1-Dichloroethane	3.45	63	9206	1.76	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	767998	244.86	ug/l	89
40) Benzene	5.39	78	23210	2.17	ug/l	98
44) Trichloroethene	6.19	130	140733	46.31	ug/l	97
52) Toluene	7.64	92	3546	0.52	ug/l	95
65) Chlorobenzene	9.12	112	858168	112.21	ug/l	99
83) tert-Butylbenzene	11.10	119	21238	2.11	ug/l	89
87) 1,3-Dichlorobenzene	11.42	146	8744	1.55	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	20354	3.58	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	46943	8.30	ug/l	99

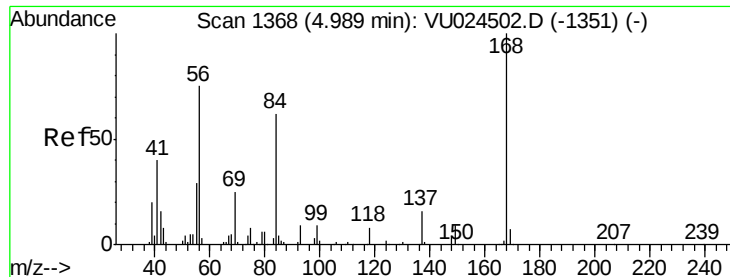
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

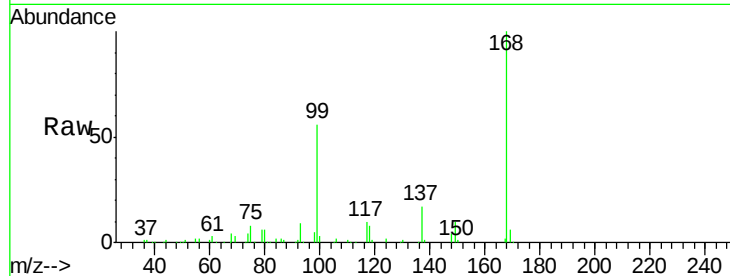
WP021MW358-180626

Tot Ion:168 Resp: 217536

Ion Ratio Lower Upper

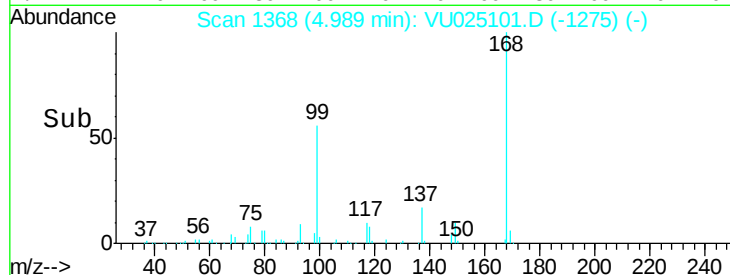
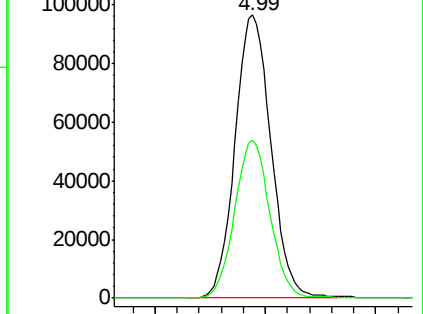
168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.47 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025101.D

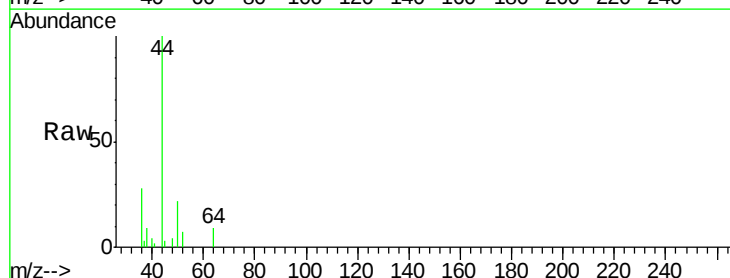
Acq: 30 Jun 2018 20:26

Tgt Ion: 50 Resp: 1297

Ion Ratio Lower Upper

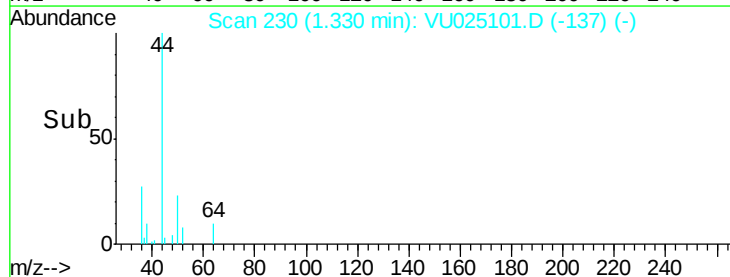
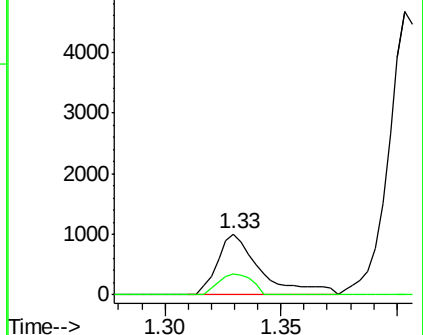
50 100

52 33.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#4

Vinyl Chloride

Concen: 273.29 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

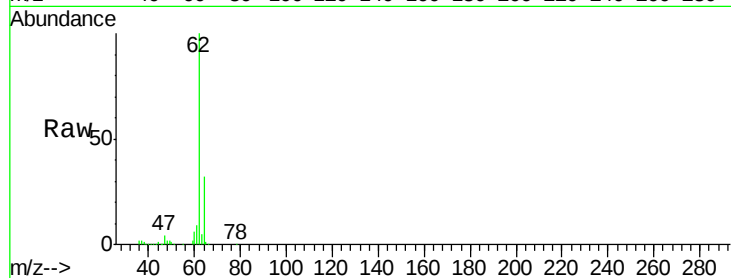
WP021MW358-180626

Tot Ion: 62 Resp: 784016

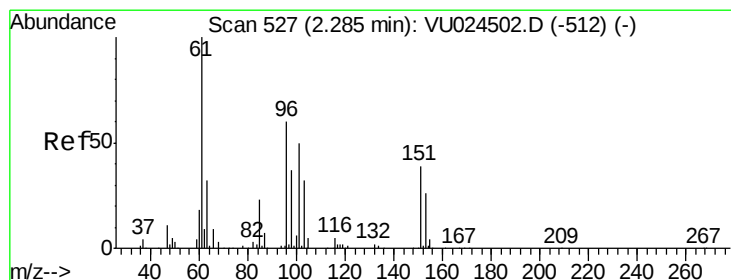
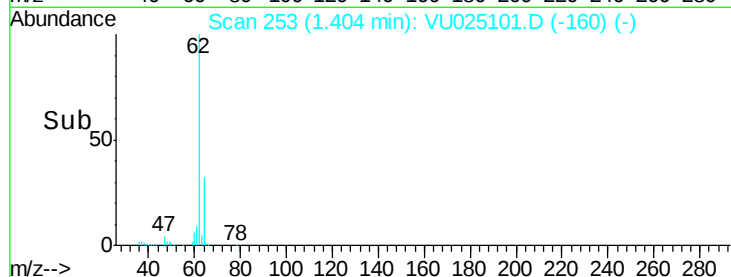
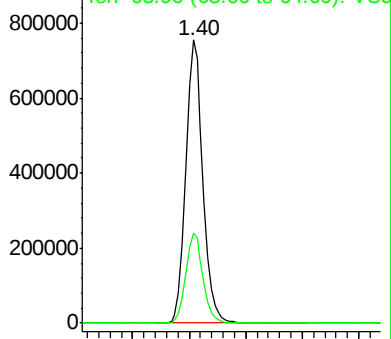
Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU025101.D (-160) (-)



#12

1,1-Dichloroethene

Concen: 4.51 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

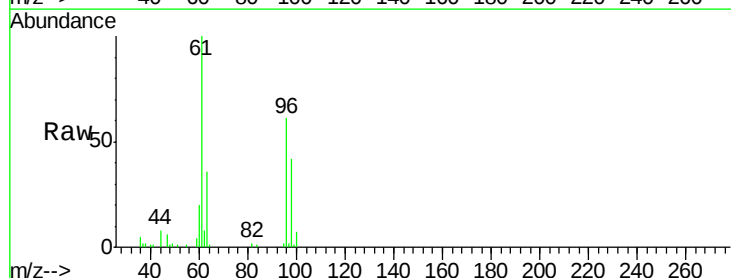
Tgt Ion: 96 Resp: 11169

Ion Ratio Lower Upper

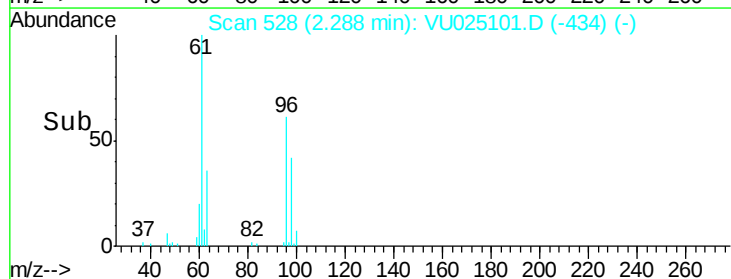
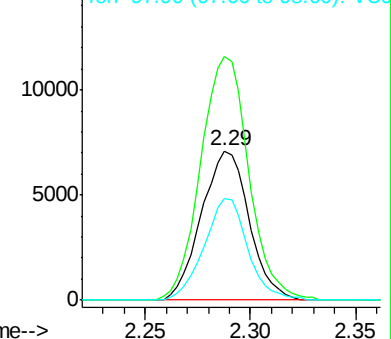
96 100

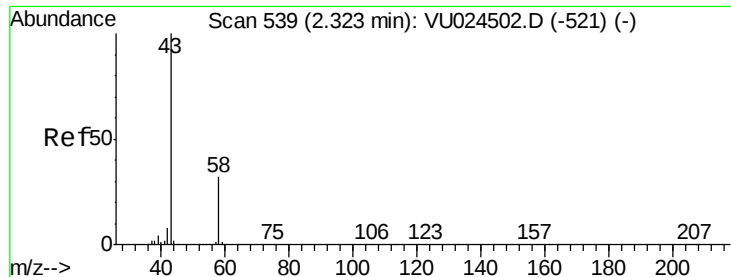
61 163.1 141.7 212.5

98 68.0 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU025101.D (-434) (-)





#16

Acetone

Concen: 0.86 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

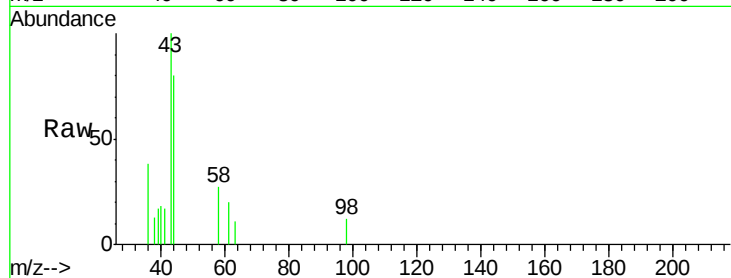
WP021MW358-180626

Tot Ion: 43 Resp: 1648

Ion Ratio Lower Upper

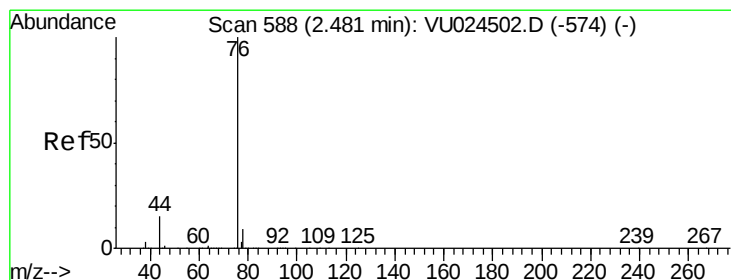
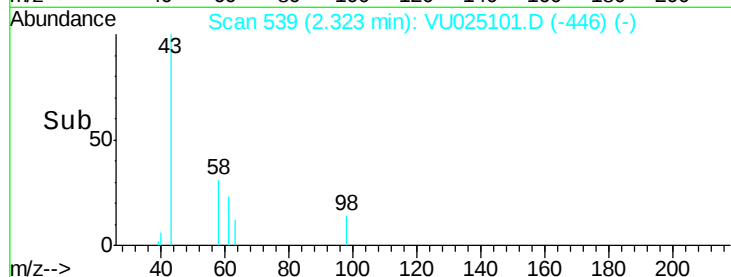
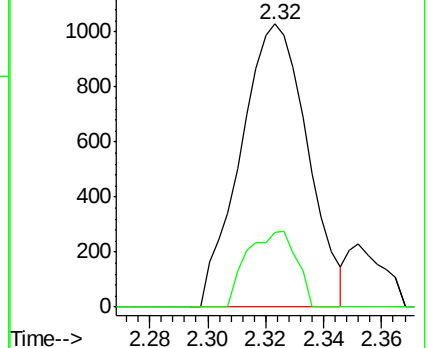
43 100

58 26.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.49 ug/l

RT: 2.49 min Scan# 592

Delta R.T. 0.01 min

Lab File: VU025101.D

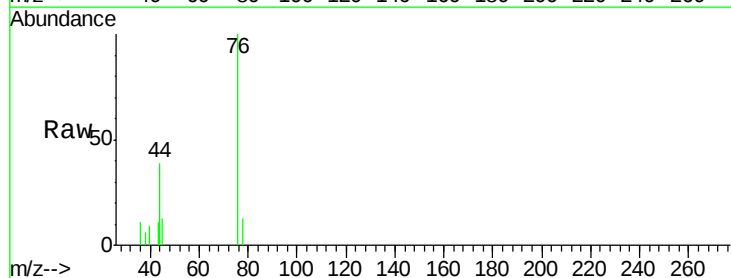
Acq: 30 Jun 2018 20:26

Tgt Ion: 76 Resp: 3849

Ion Ratio Lower Upper

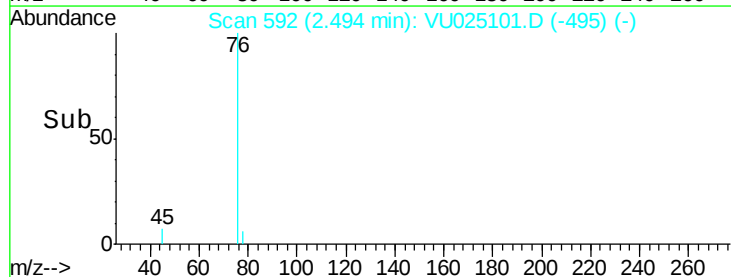
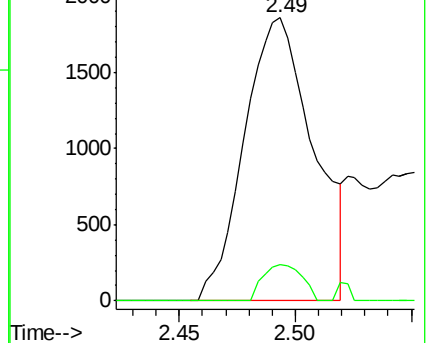
76 100

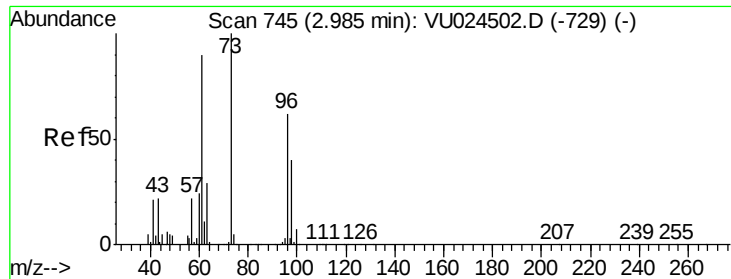
78 12.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 1.35 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

WP021MW358-180626

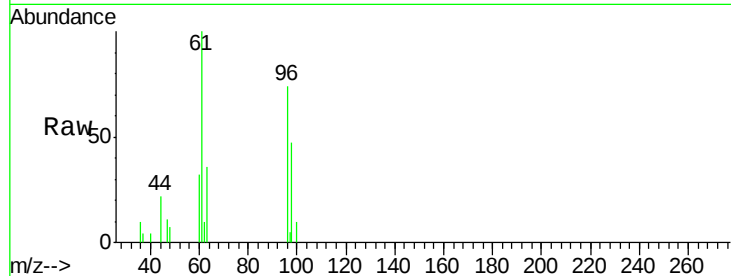
Tot Ion: 96 Resp: 3696

Ion Ratio Lower Upper

96 100

61 135.3 119.4 179.0

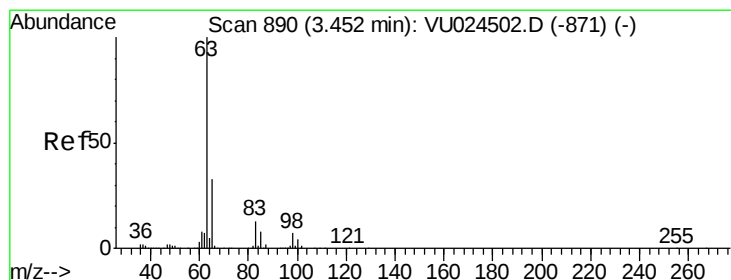
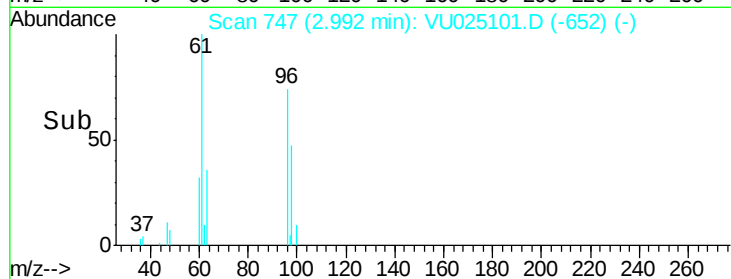
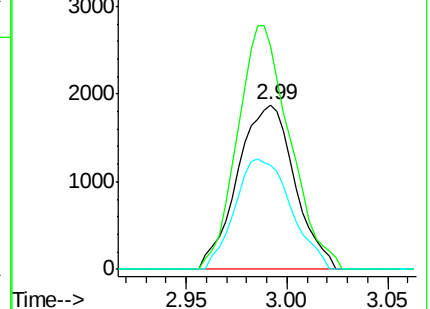
98 63.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#24

1,1-Dichloroethane

Concen: 1.76 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

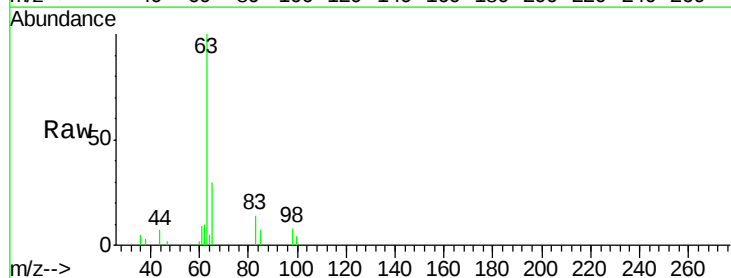
Tgt Ion: 63 Resp: 9206

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

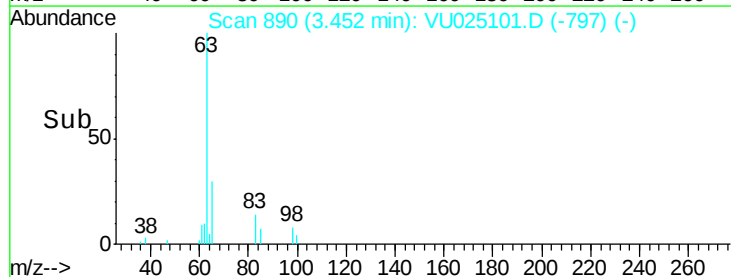
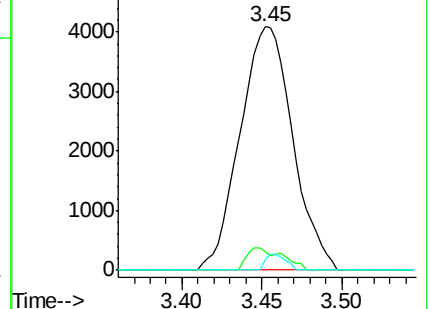
100 4.4 1.8 5.5

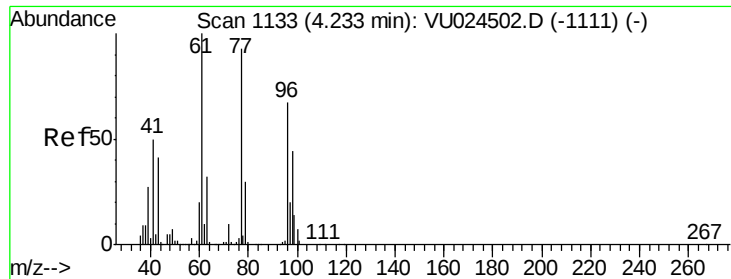


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

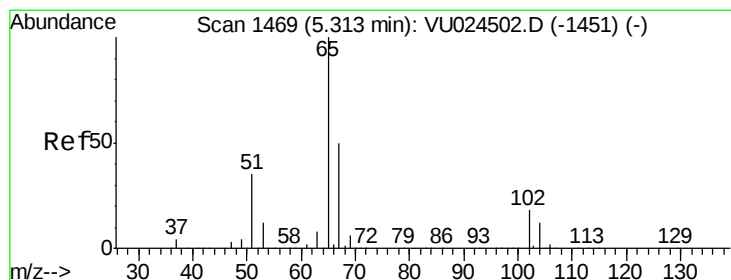
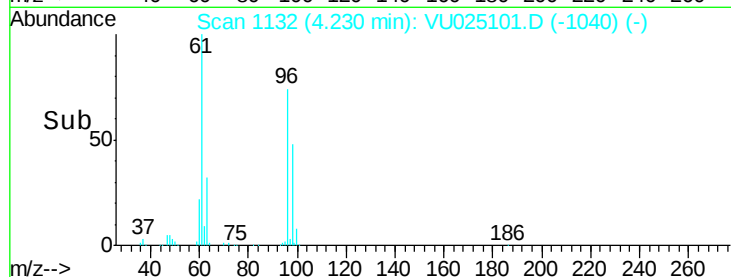
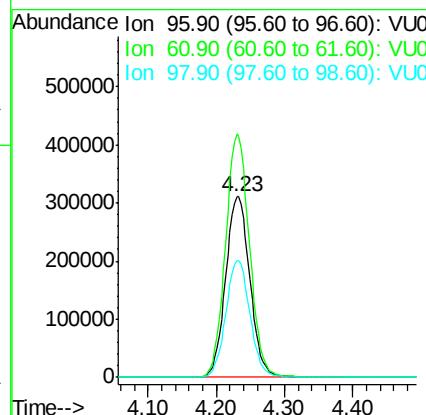
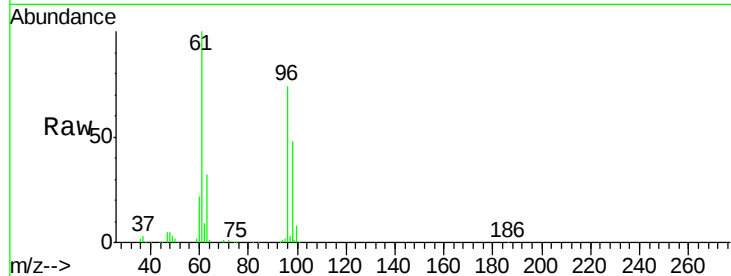




#27
 cis-1,2-Dichloroethene
 Concen: 244.86 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025101.D
 Acq: 30 Jun 2018 20:26

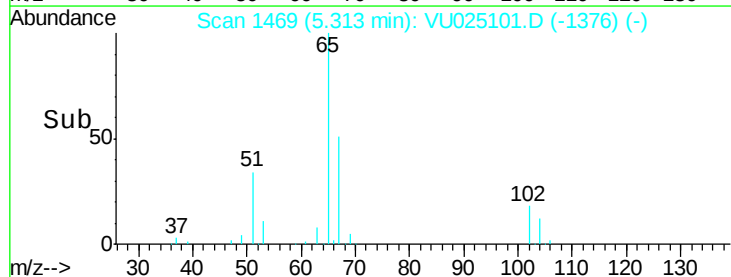
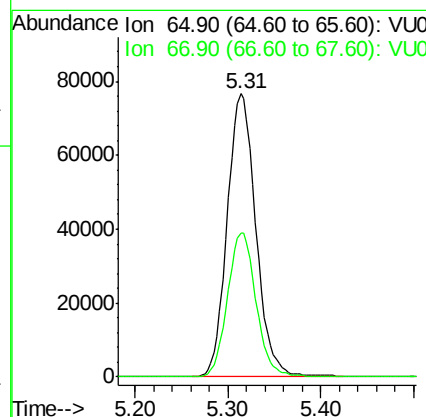
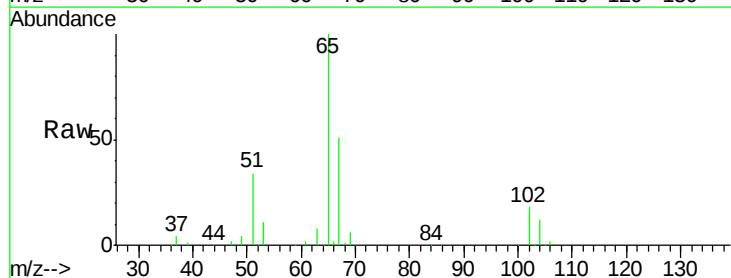
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

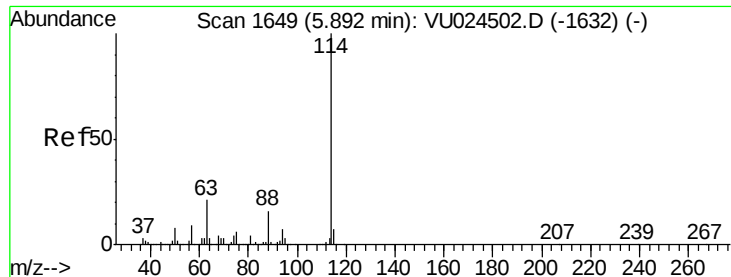
Tot Ion	96	Resp	767998
Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	306.6
98	64.1	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 46.33 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025101.D
 Acq: 30 Jun 2018 20:26

Tgt Ion	65	Resp	164519
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

WP021MW358-180626

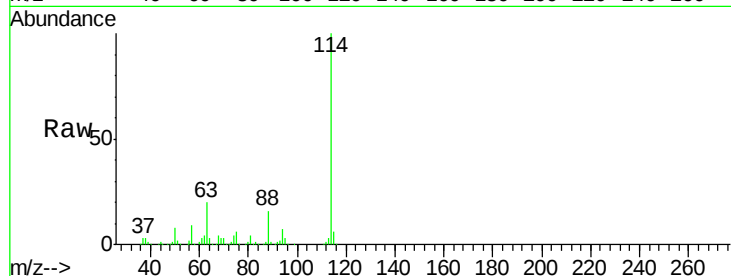
Tot Ion:114 Resp: 318912

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.4

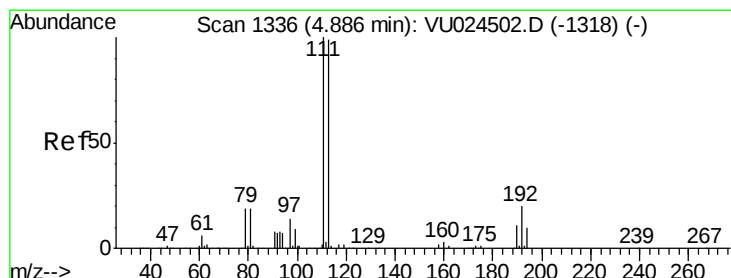
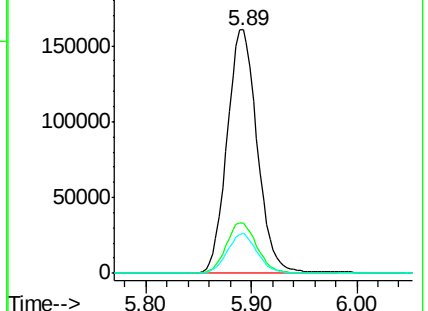
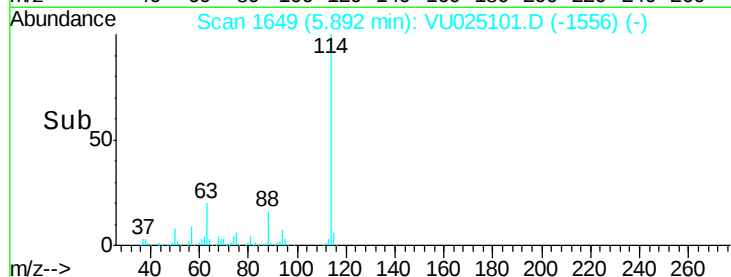
88 16.2 0.0 31.0



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: 48.28 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

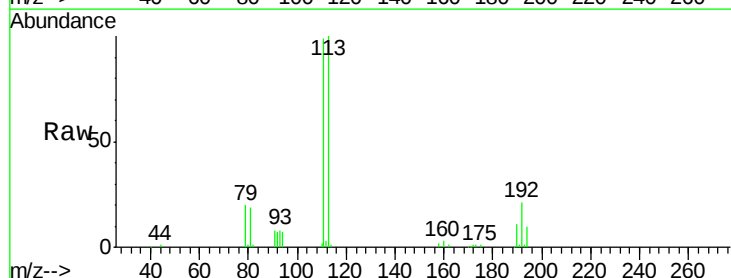
Tgt Ion:113 Resp: 127785

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

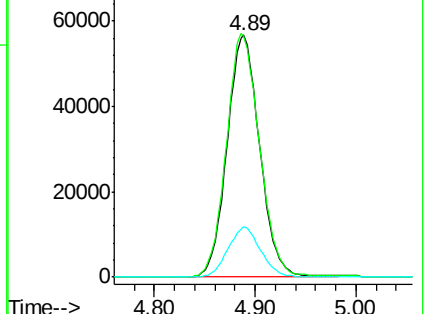
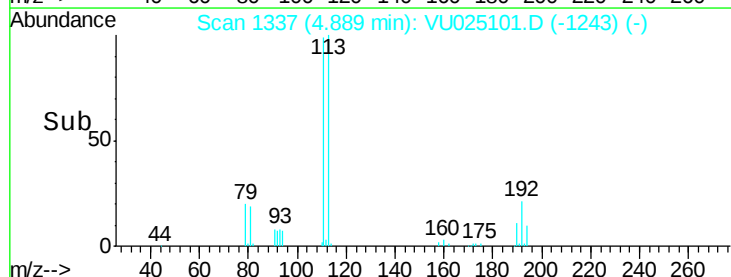
192 20.7 16.2 24.4

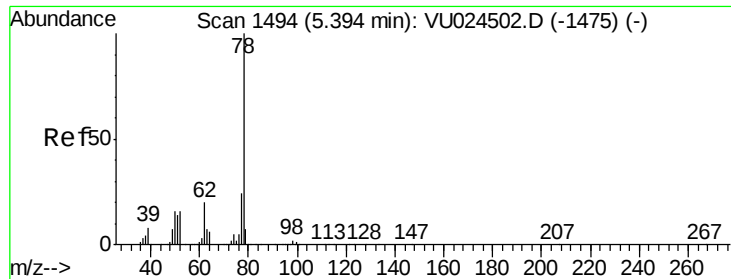


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.17 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

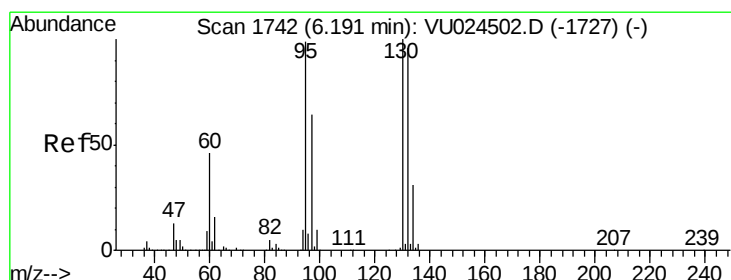
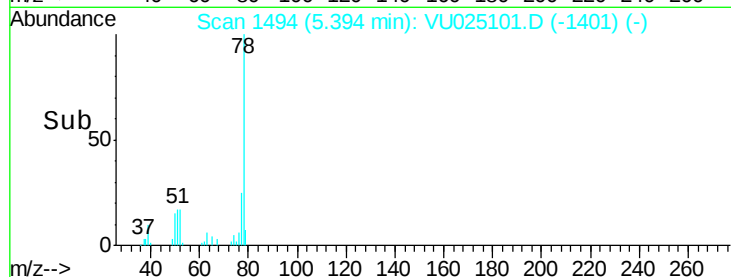
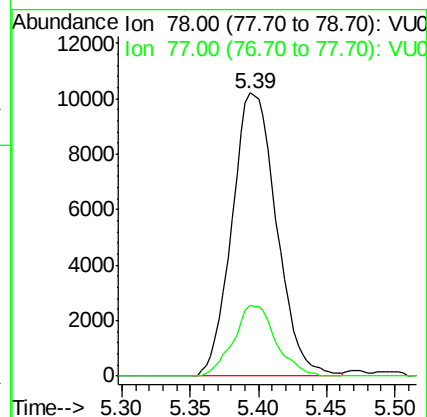
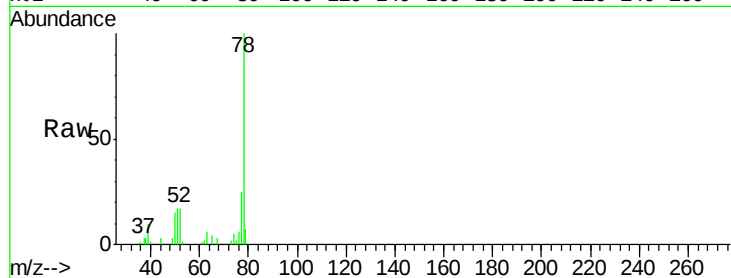
WP021MW358-180626

Tot Ion: 78 Resp: 23210

Ion Ratio Lower Upper

78 100

77 24.9 19.2 28.8



#44

Trichloroethene

Concen: 46.31 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025101.D

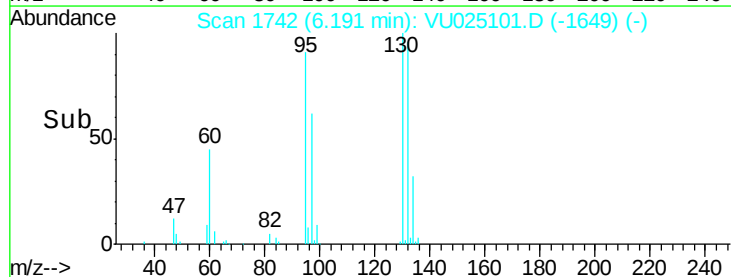
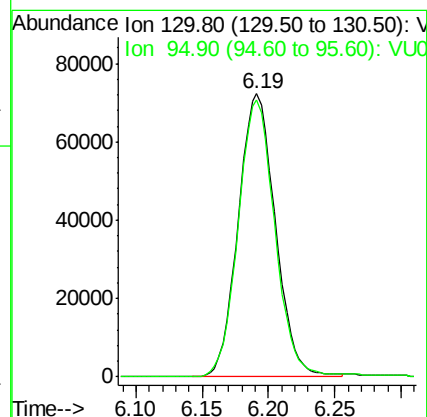
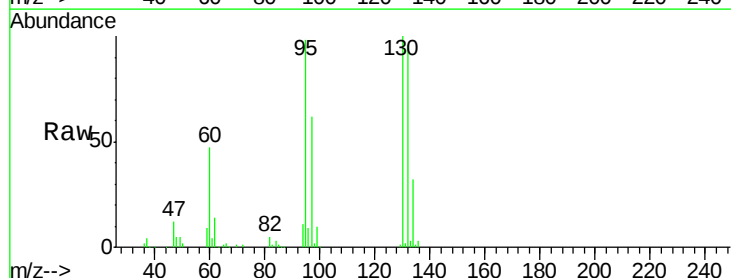
Acq: 30 Jun 2018 20:26

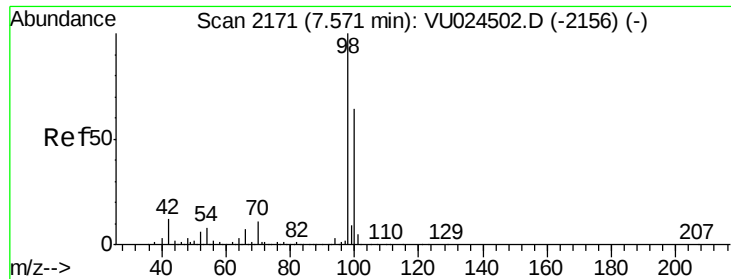
Tgt Ion:130 Resp: 140733

Ion Ratio Lower Upper

130 100

95 98.0 0.0 202.4

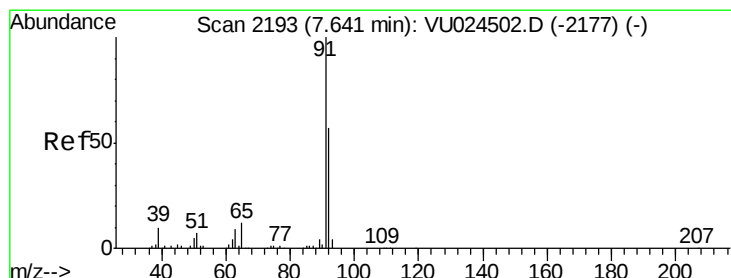
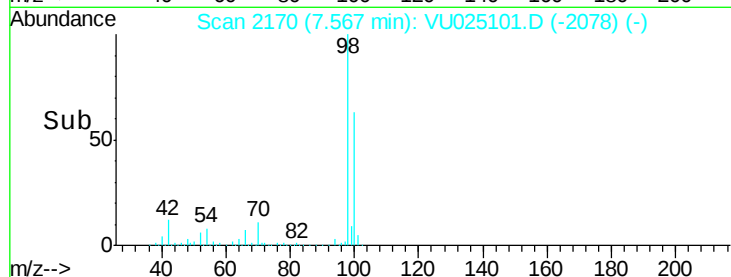
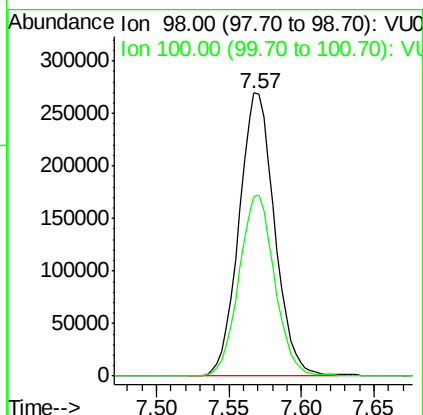
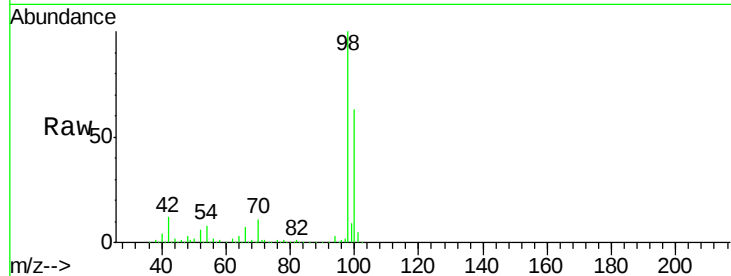




#50
Toluene-d8
Concen: 47.67 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

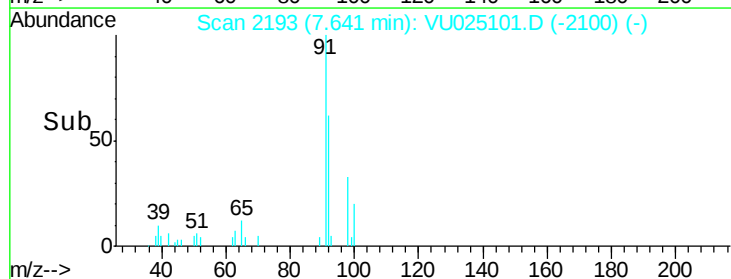
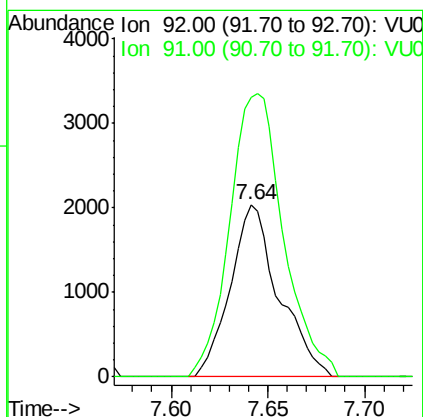
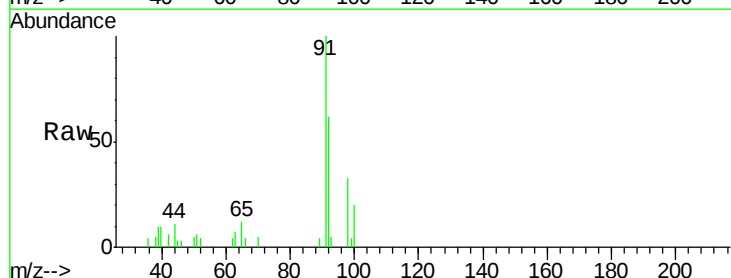
Instrument :
MSVOA_U
ClientSampleId :
WP021MW358-180626

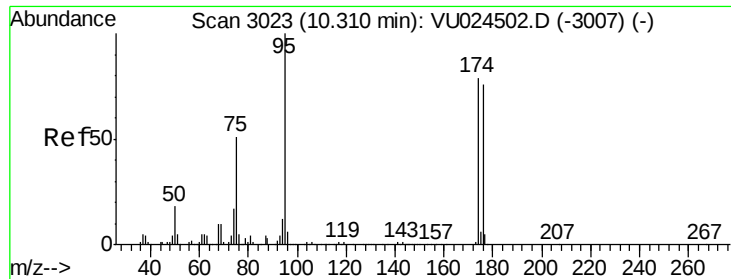
Tot Ion: 98 Resp: 460174
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#52
Toluene
Concen: 0.52 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

Tgt Ion: 92 Resp: 3546
Ion Ratio Lower Upper
92 100
91 182.3 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 45.28 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

WP021MW358-180626

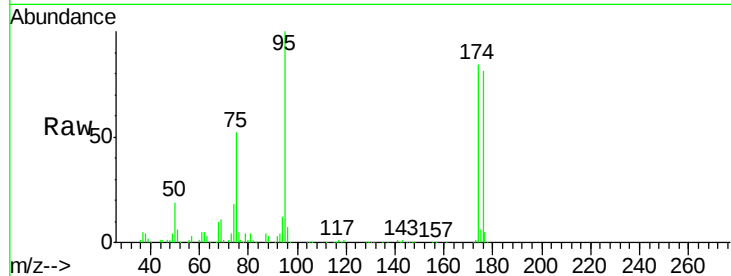
Tot Ion: 95 Resp: 173576

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

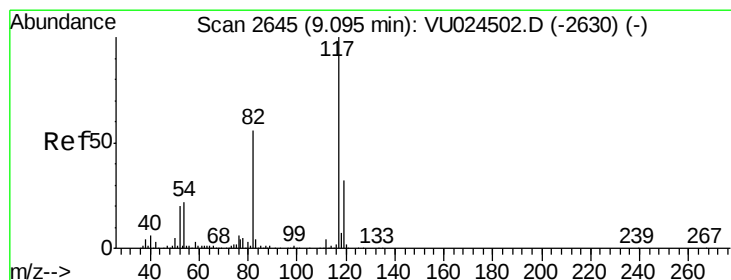
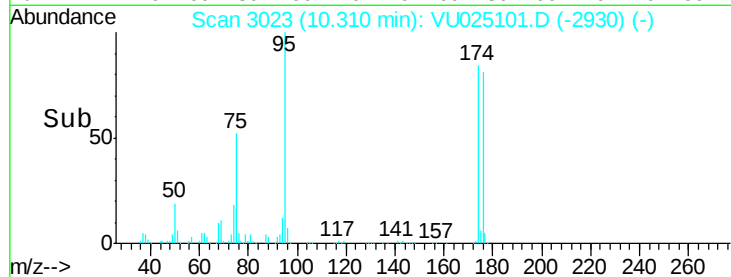
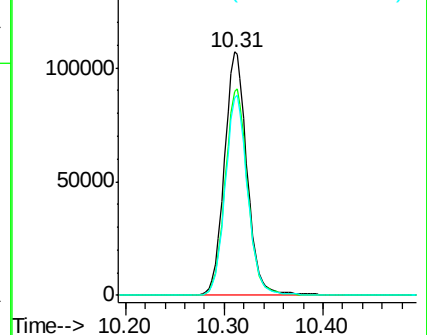
176 80.9 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025101.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025101.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025101.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025101.D

Acq: 30 Jun 2018 20:26

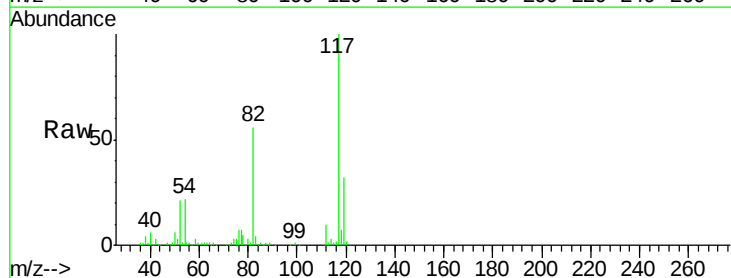
Tgt Ion: 117 Resp: 299371

Ion Ratio Lower Upper

117 100

82 56.3 44.3 66.5

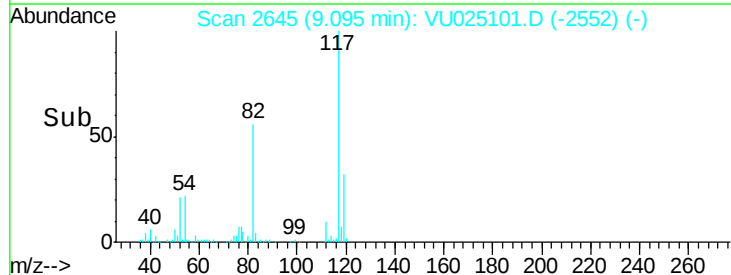
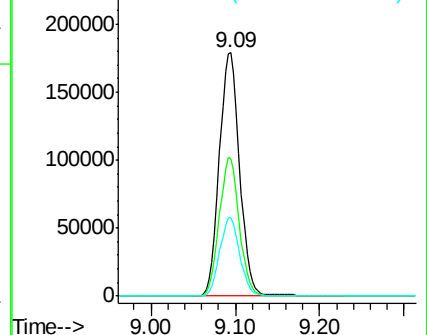
119 32.1 25.4 38.2

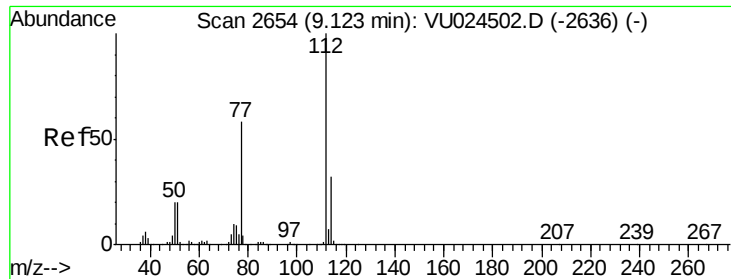


Abundance Ion 116.90 (116.60 to 117.60): VU025101.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025101.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025101.D (-2552) (-)

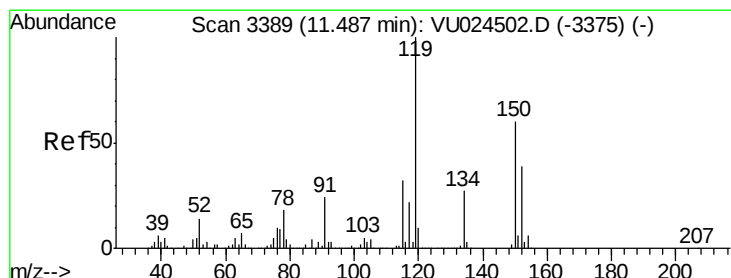
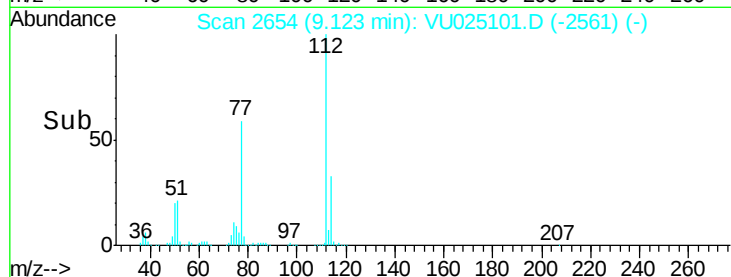
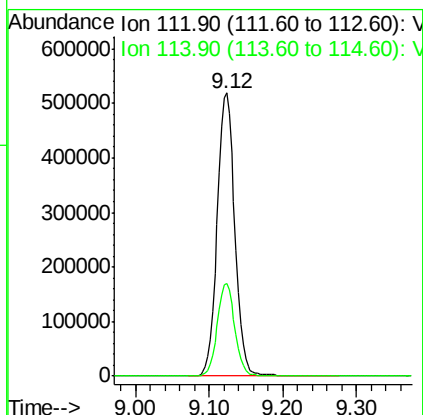
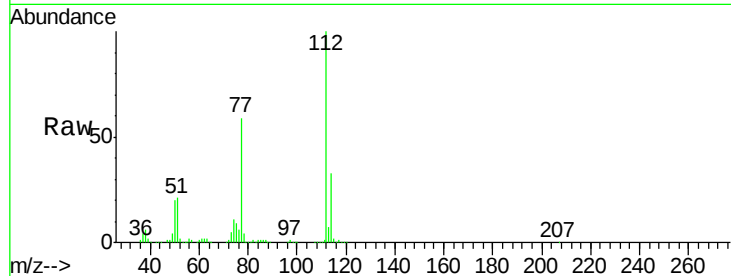




#65
Chlorobenzene
Concen: 112.21 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

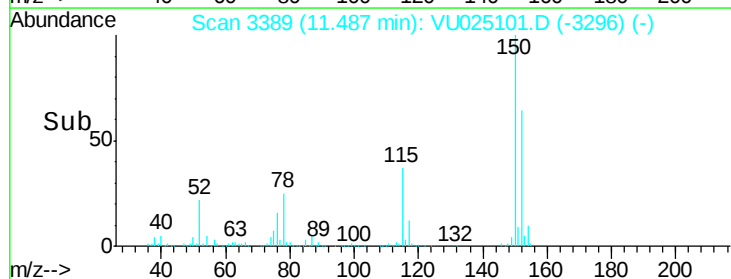
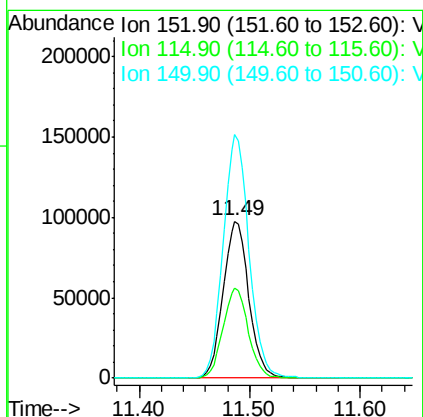
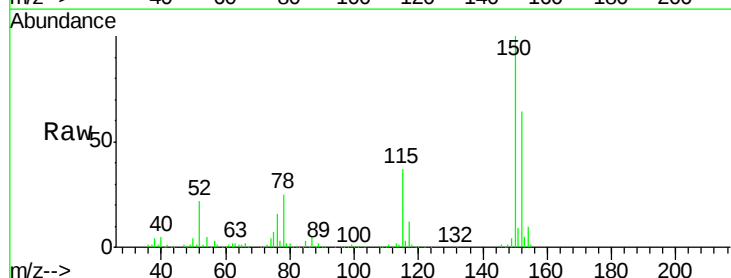
Instrument :
MSVOA_U
ClientSampleId :
WP021MW358-180626

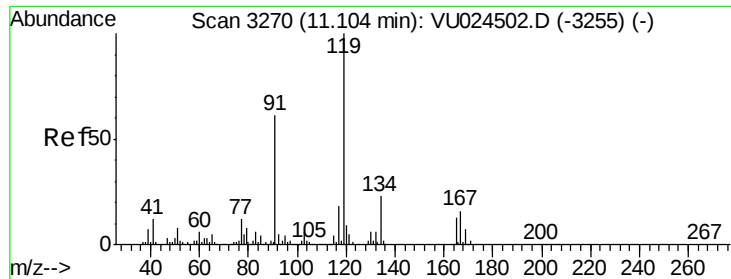
Tot Ion:112 Resp: 858168
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

Tgt Ion:152 Resp: 157152
Ion Ratio Lower Upper
152 100
115 56.7 43.0 129.0
150 156.3 0.0 354.0

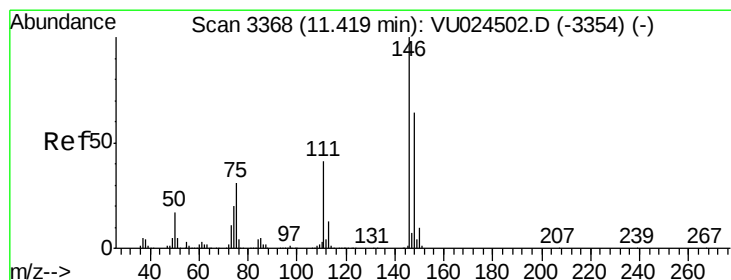
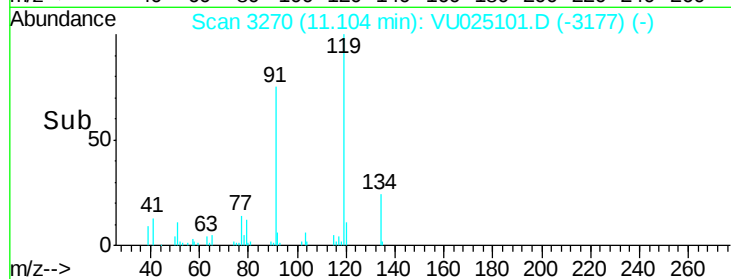
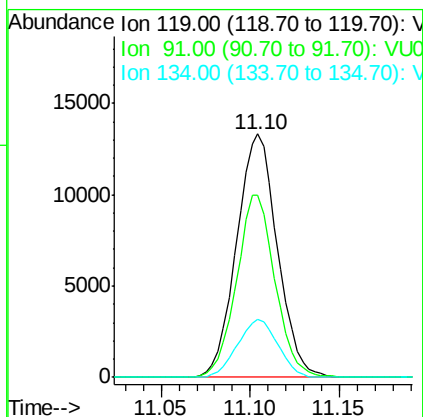
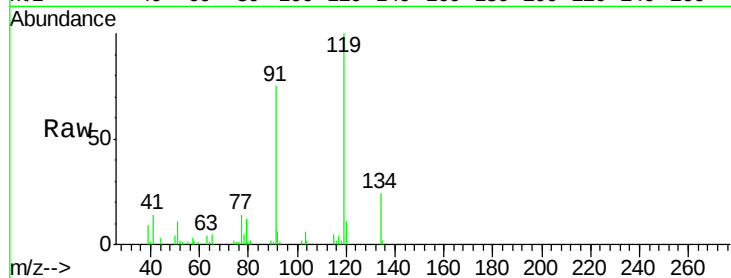




#83
tert-Butylbenzene
Concen: 2.11 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

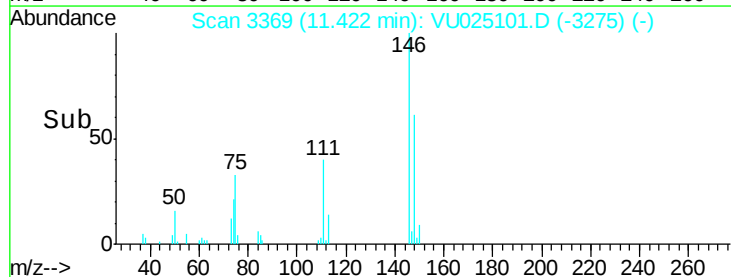
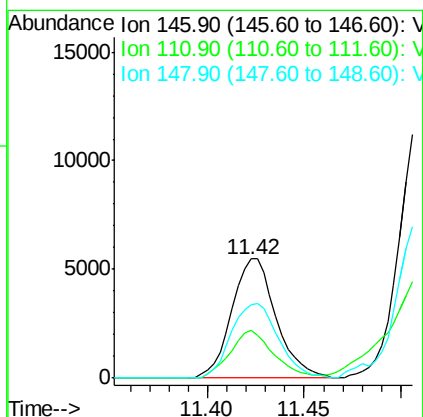
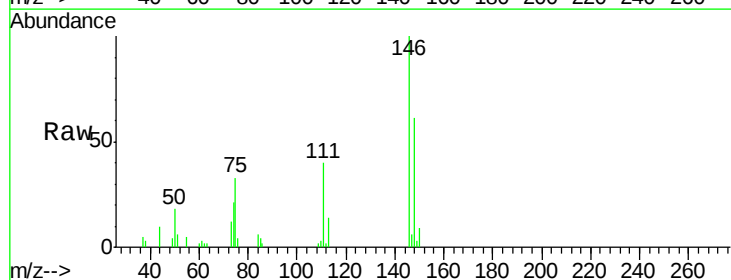
Instrument :
MSVOA_U
ClientSampleId :
WP021MW358-180626

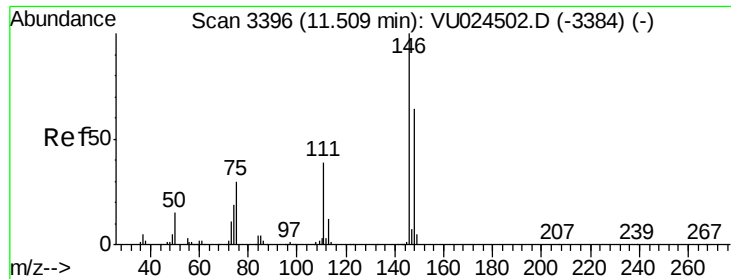
Tot Ion:119 Resp: 21238
Ion Ratio Lower Upper
119 100
91 71.1 29.7 89.1
134 23.6 11.6 34.7



#87
1,3-Dichlorobenzene
Concen: 1.55 ug/l
RT: 11.42 min Scan# 3369
Delta R.T. 0.00 min
Lab File: VU025101.D
Acq: 30 Jun 2018 20:26

Tgt Ion:146 Resp: 8744
Ion Ratio Lower Upper
146 100
111 39.3 20.0 60.0
148 66.3 32.1 96.5

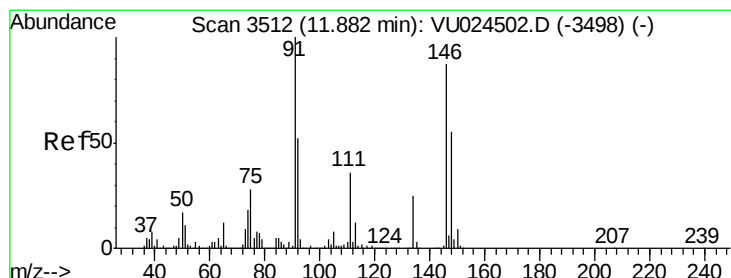
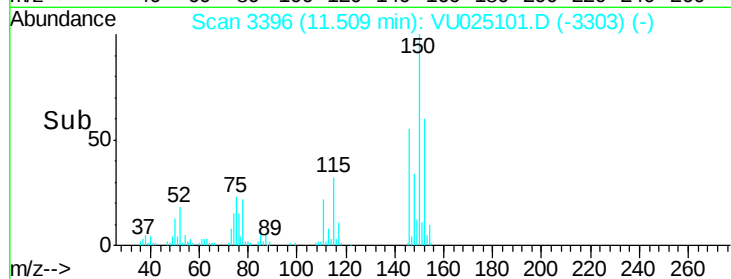
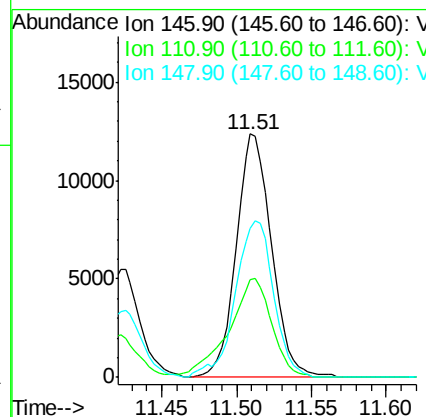
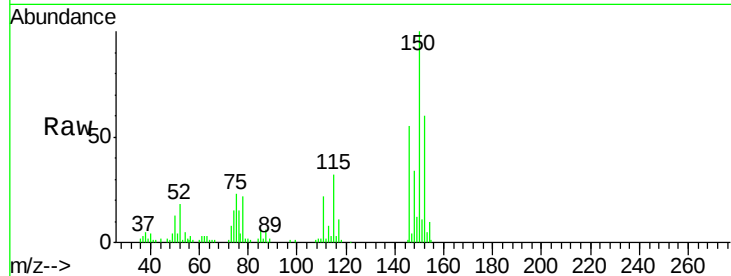




#88
 1,4-Dichlorobenzene
 Concen: 3.58 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025101.D
 Acq: 30 Jun 2018 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW358-180626

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	19.5	58.5
148	69.4	32.4	97.0



#91
 1,2-Dichlorobenzene
 Concen: 8.30 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025101.D
 Acq: 30 Jun 2018 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.2	31.9	95.7

