

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070218\
 Data File : VU025138.D
 Acq On : 02 Jul 2018 13:09
 Operator : MD/SY
 Sample : J3759-05DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW359-180625DL

Quant Time: Jul 03 02:58:17 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	210058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	313150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150988	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	158261	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	4.89	113	122841	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
50) Toluene-d8	7.57	98	452062	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	10.31	95	168115	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

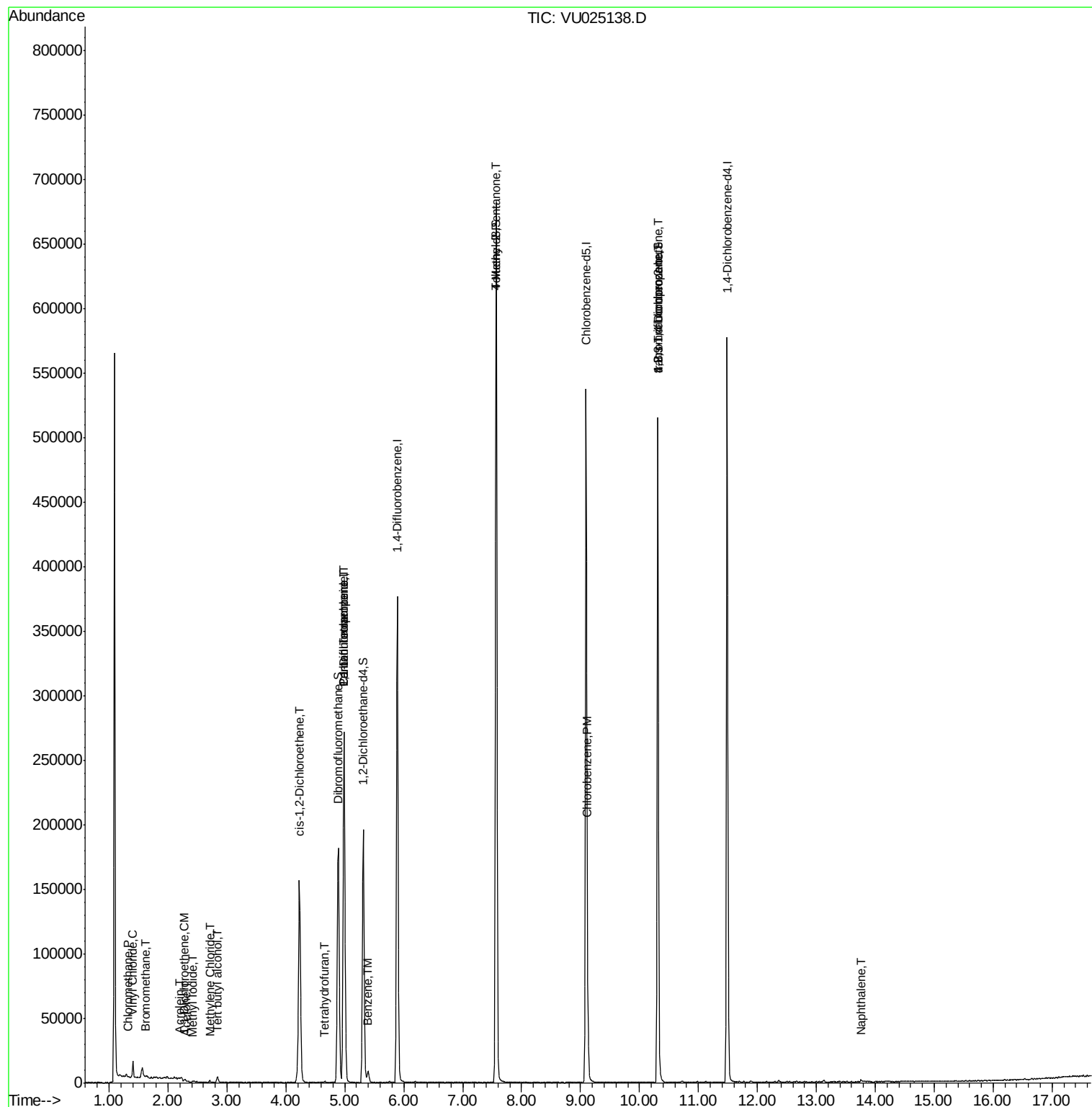
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	669	0.249	ug/l	96
4) Vinyl Chloride	1.40	62	7824	2.824	ug/l	97
5) Bromomethane	1.63	94	344	0.257	ug/l	95
6) Chloroethane	1.72	64	242	Below Cal	#	43
10) Methyl Iodide	2.41	142	420	5.458	ug/l #	57
11) Tert butyl alcohol	2.84	59	2460	2.950	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	671	0.281	ug/l #	63
13) Acrolein	2.20	56	215	0.491	ug/l #	57
16) Acetone	2.32	43	805	0.437	ug/l #	44
20) Methylene Chloride	2.71	84	602	0.208	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	86685	28.622	ug/l	88
29) Tetrahydrofuran	4.66	42	601	0.392	ug/l #	56
31) Cyclohexane	4.99	56	4053	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15644	4.251	ug/l #	52
38) Carbon Tetrachloride	4.99	117	20880	5.160	ug/l #	15
40) Benzene	5.40	78	8204	0.782	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	2197	0.504	ug/l #	1
65) Chlorobenzene	9.12	112	25510	3.433	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	88702	26.684	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	88702	61.757	ug/l #	100
95) Naphthalene	13.76	128	2942	0.941	ug/l #	79

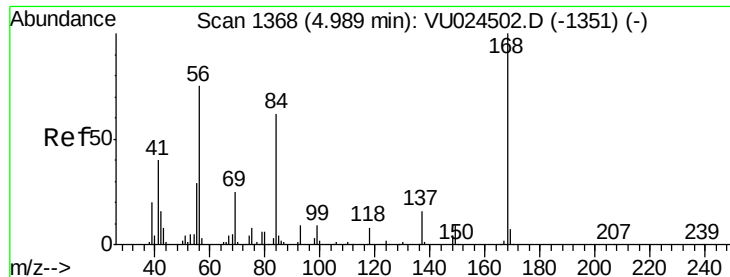
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

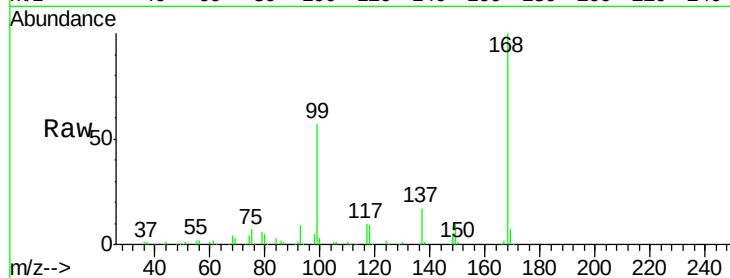
WP021MW359-180625DL

Tot Ion:168 Resp: 210058

Ion Ratio Lower Upper

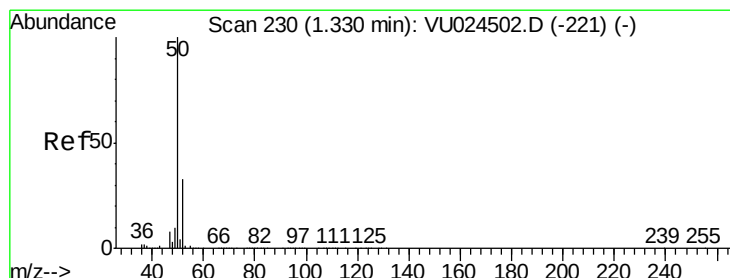
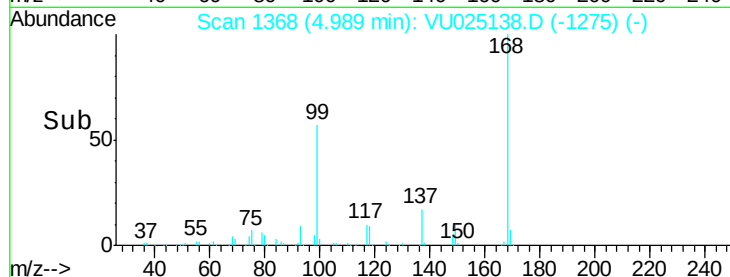
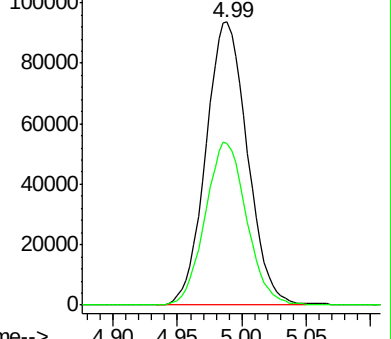
168 100

99 57.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025138.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025138.D (-1275) (-)



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025138.D

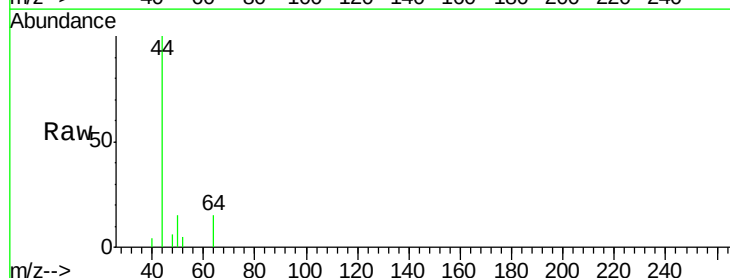
Acq: 02 Jul 2018 13:09

Tgt Ion: 50 Resp: 669

Ion Ratio Lower Upper

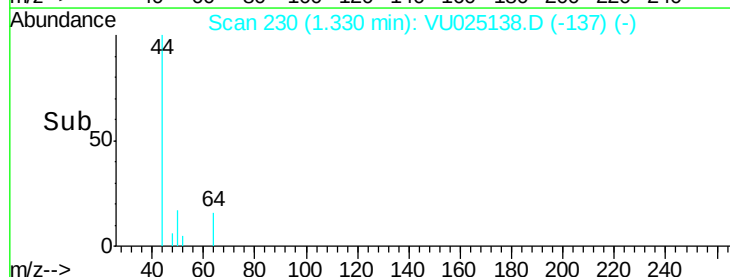
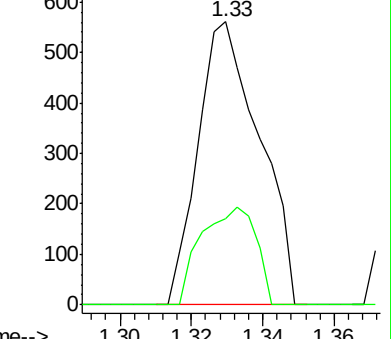
50 100

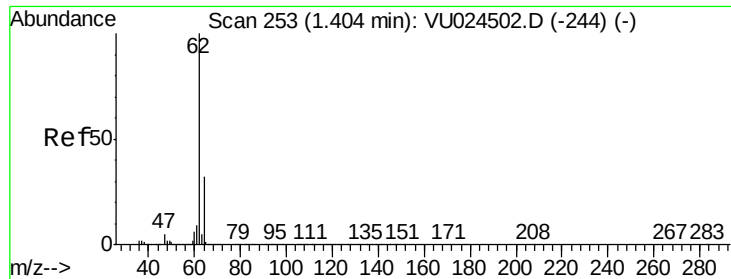
52 30.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025138.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025138.D (-137) (-)





#4

Vinyl Chloride

Concen: 2.824 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

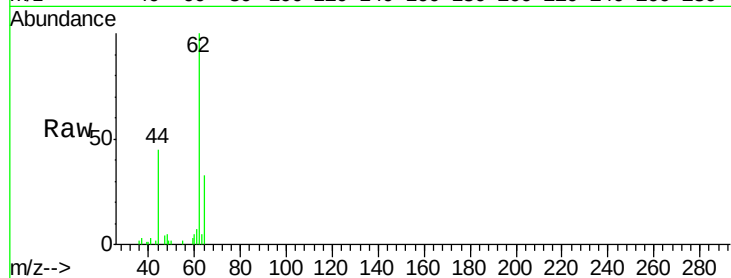
WP021MW359-180625DL

Tot Ion: 62 Resp: 7824

Ion Ratio Lower Upper

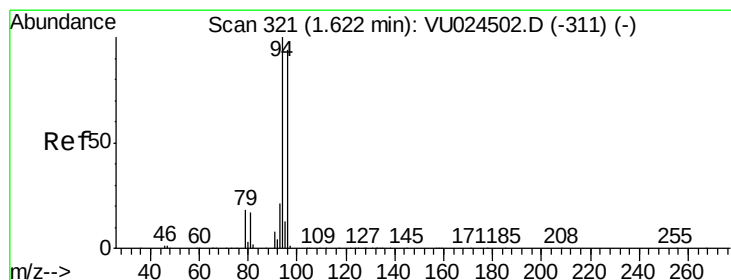
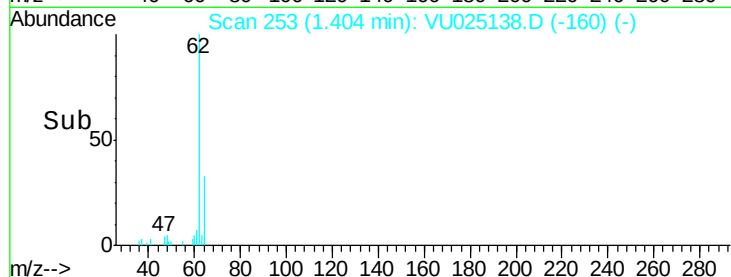
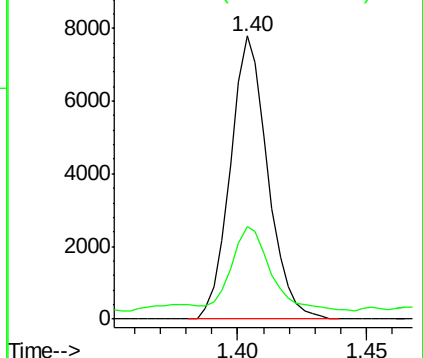
62 100

64 29.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025138.D

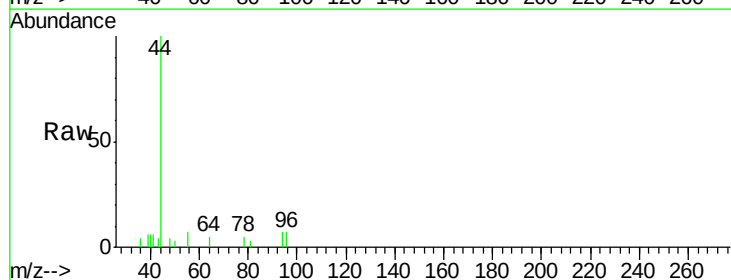
Acq: 02 Jul 2018 13:09

Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

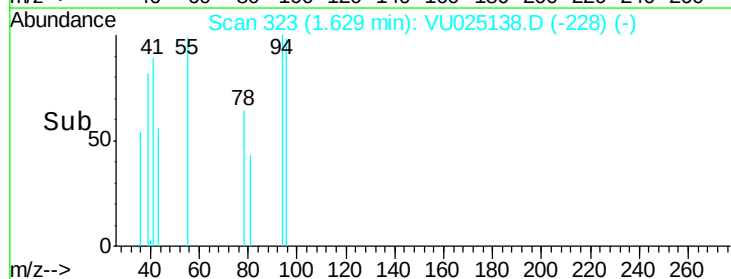
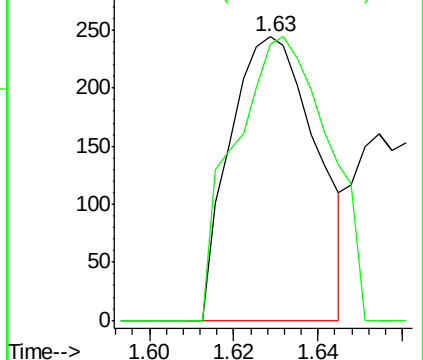
94 100

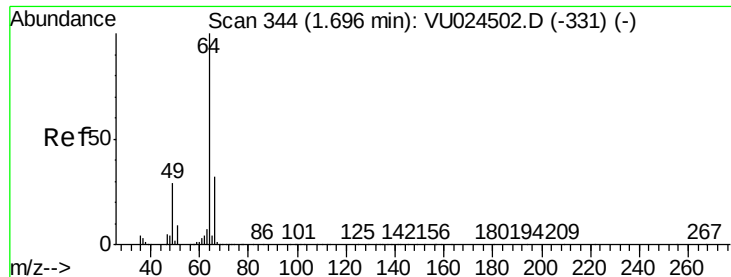
96 97.5 74.5 111.7



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: 1.72 min Scan# 351

Delta R.T. 0.02 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

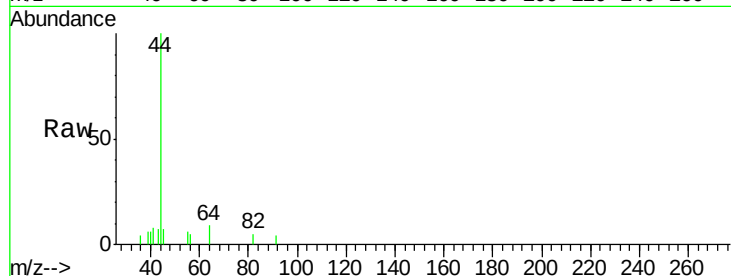
WP021MW359-180625DL

Tot Ion: 64 Resp: 242

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.72

250

200

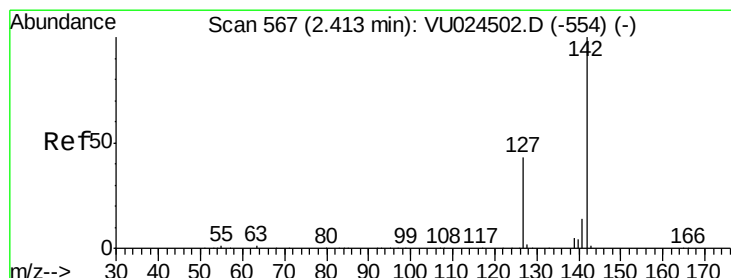
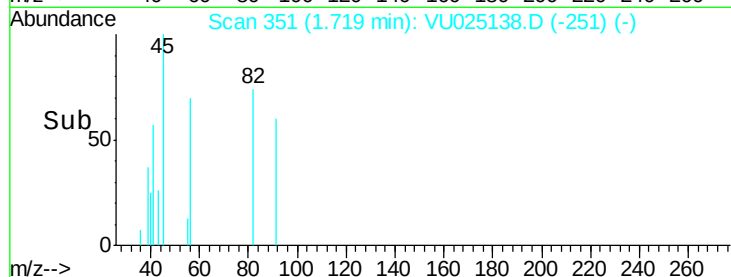
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 5.458 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

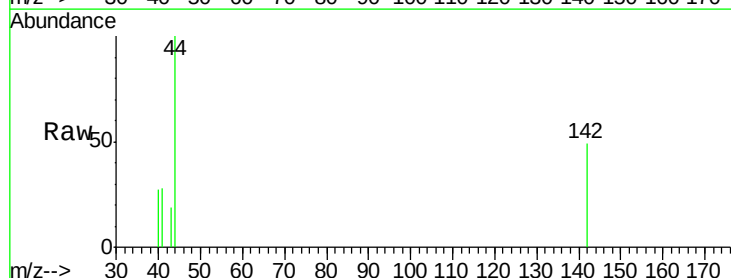
Tgt Ion: 142 Resp: 420

Ion Ratio Lower Upper

142 100

127 15.2 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

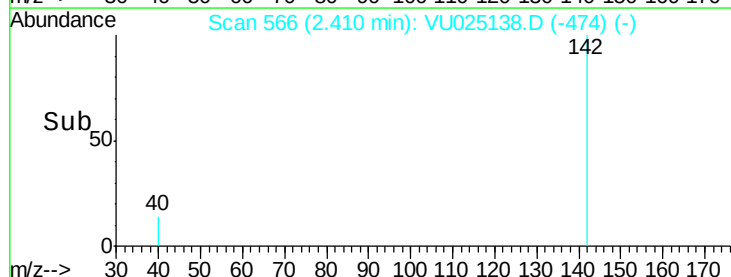
300

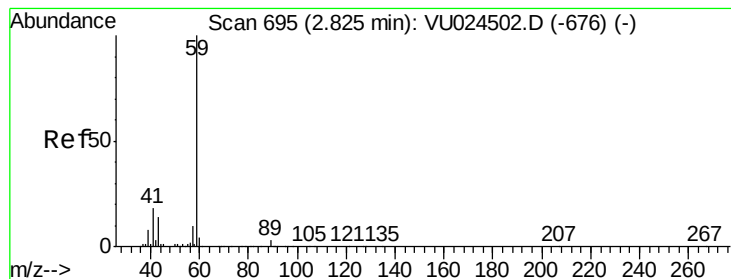
200

100

0

Time-->



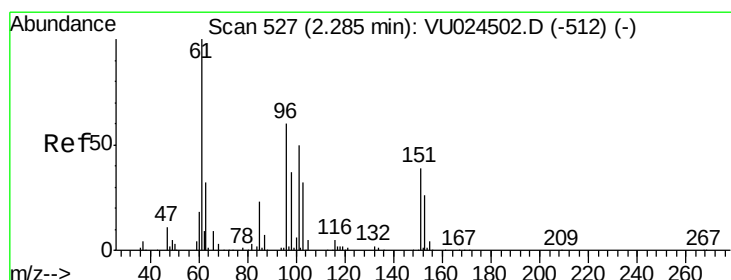
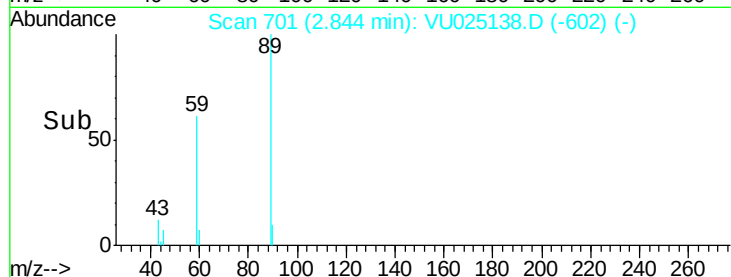
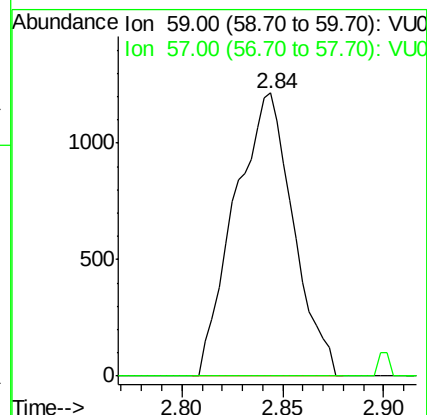
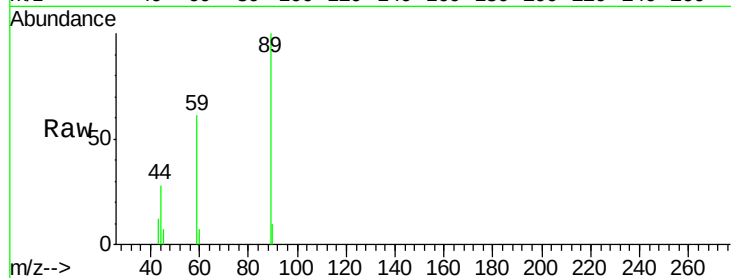


#11

Tert butyl alcohol
Concen: 2.950 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
WP021MW359-180625DL

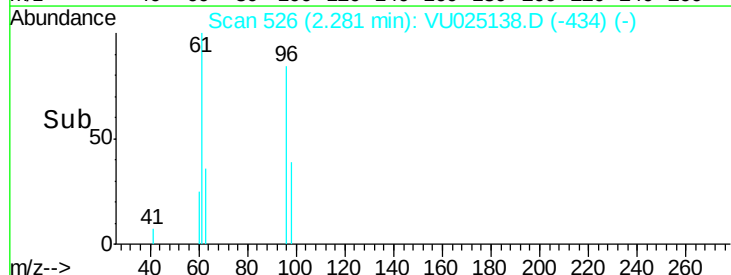
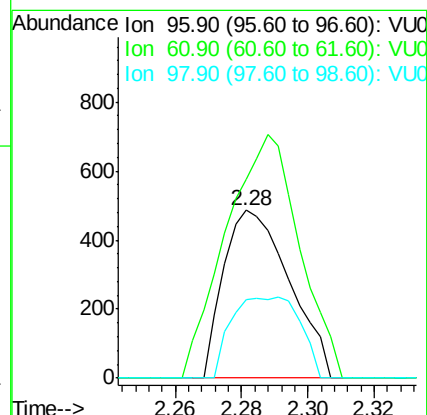
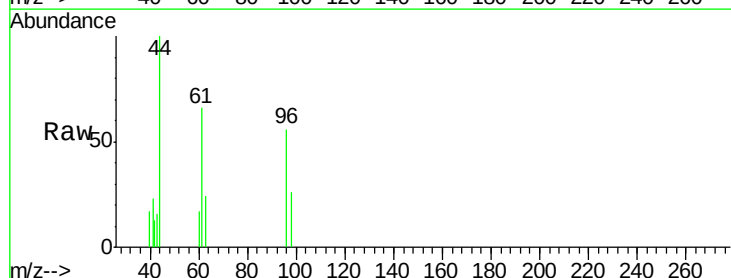
Tot Ion: 59 Resp: 2460
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

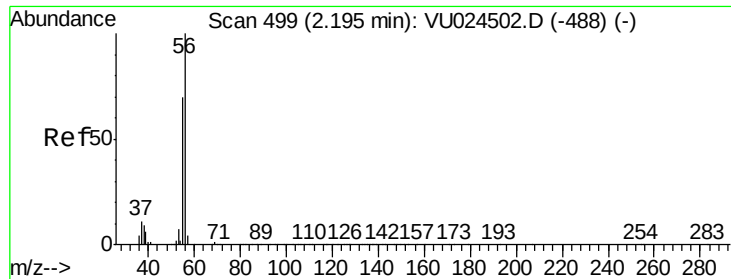


#12

1,1-Dichloroethene
Concen: 0.281 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

Tgt Ion: 96 Resp: 671
Ion Ratio Lower Upper
96 100
61 118.7 141.7 212.5#
98 46.7 51.6 77.4#





#13

Acrolein

Concen: 0.491 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

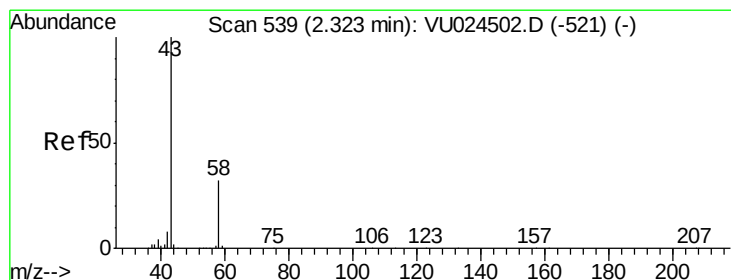
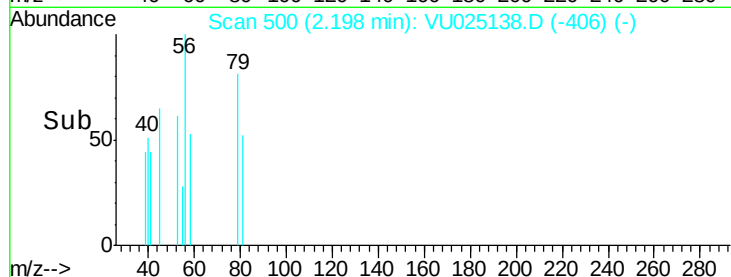
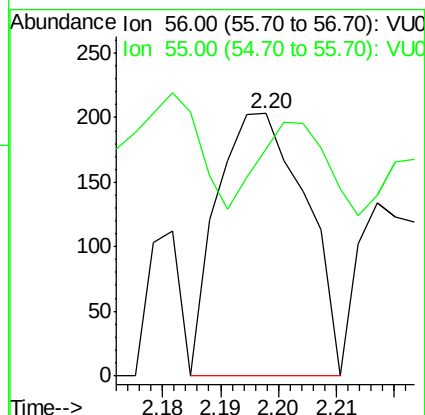
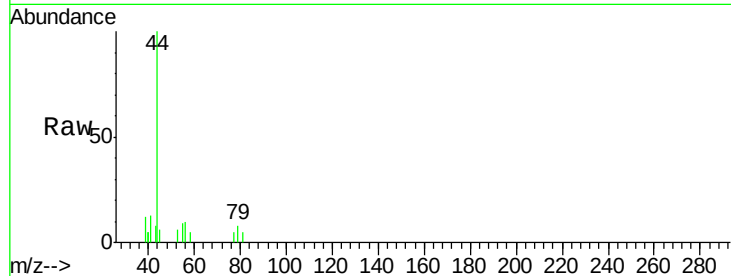
WP021MW359-180625DL

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 36.7 58.4 87.6#



#16

Acetone

Concen: 0.437 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025138.D

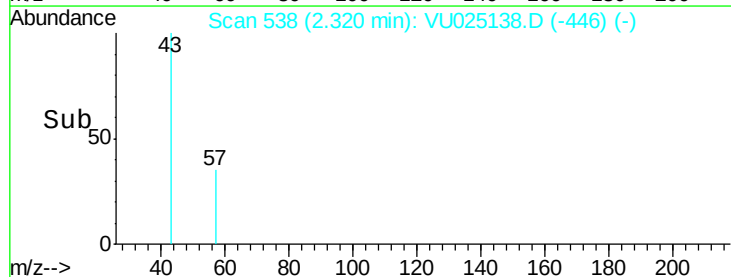
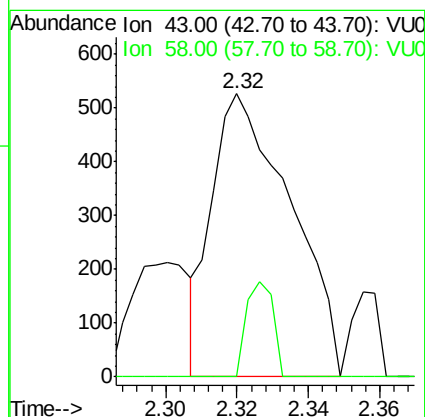
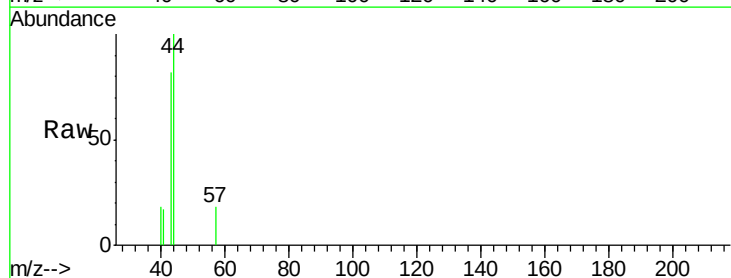
Acq: 02 Jul 2018 13:09

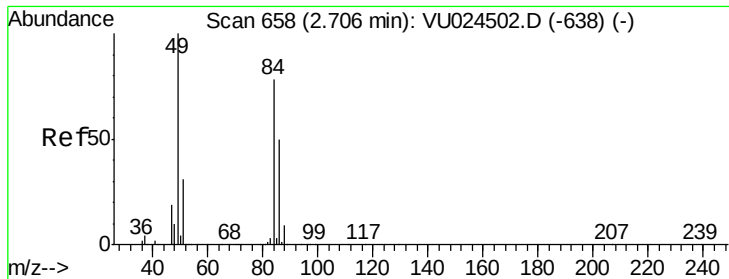
Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

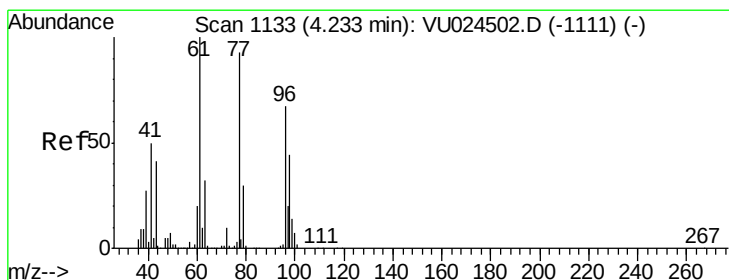
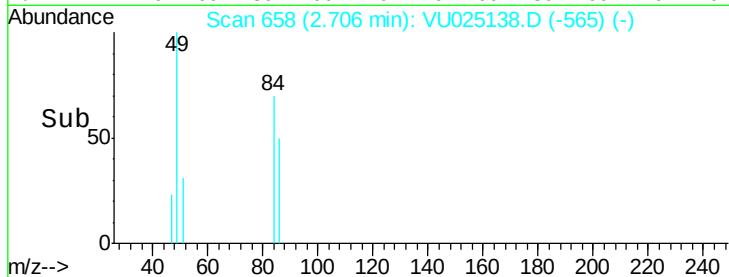
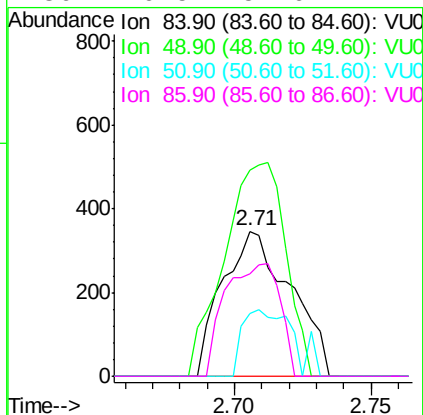
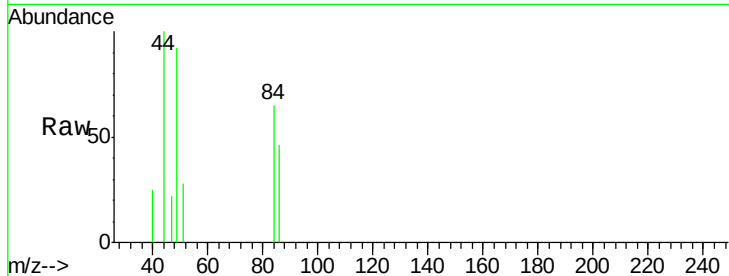




#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

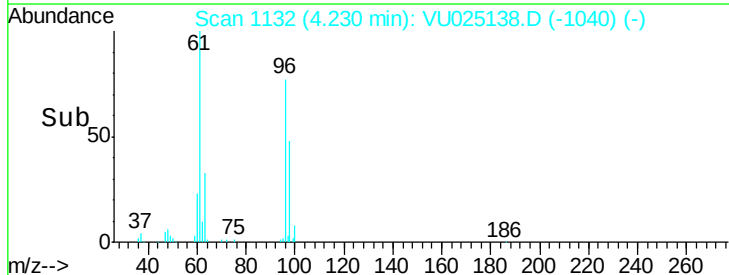
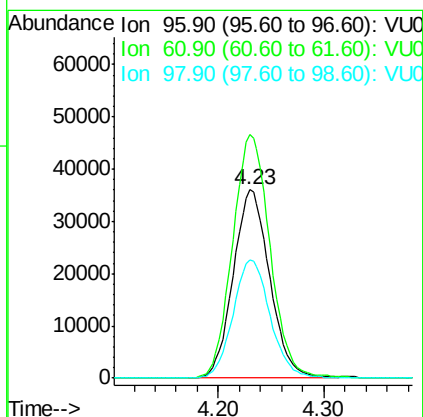
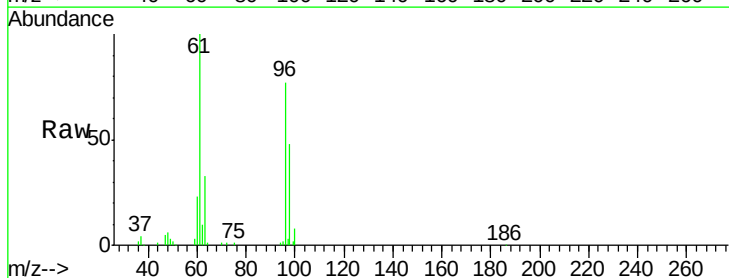
Instrument :
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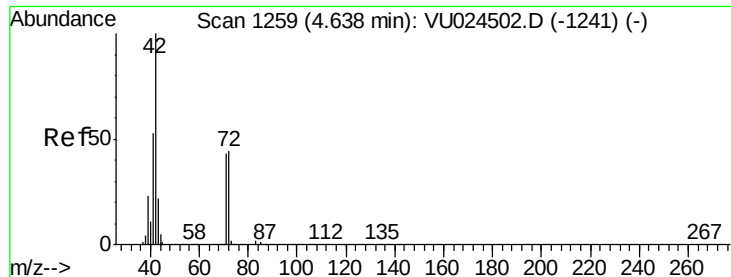
Tot Ion:	84	Resp:	602
Ion	Ratio	Lower	Upper
84	100		
49	142.2	103.8	155.8
51	43.6	32.0	48.0
86	70.5	51.6	77.4



#27
cis-1,2-Dichloroethene
Concen: 28.622 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

Tgt Ion:	96	Resp:	86685
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	306.6
98	63.6	0.0	128.8





#29

Tetrahydrofuran

Concen: 0.392 ug/l

RT: 4.66 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

WP021MW359-180625DL

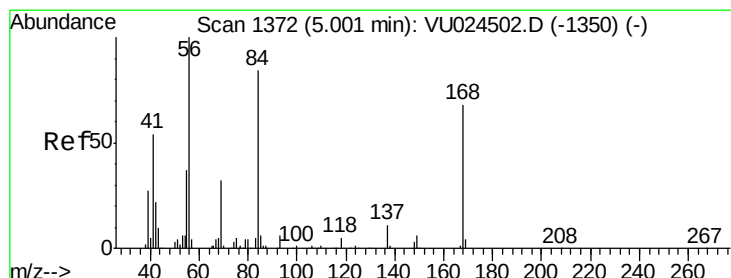
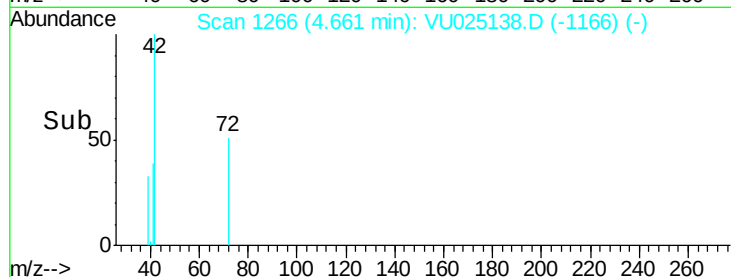
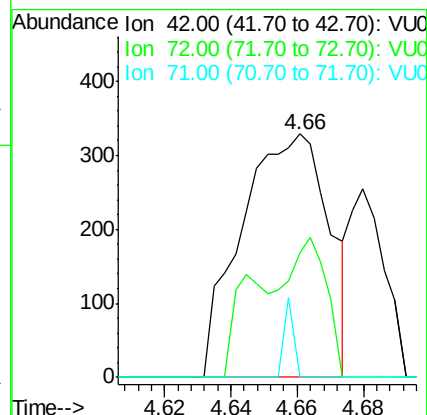
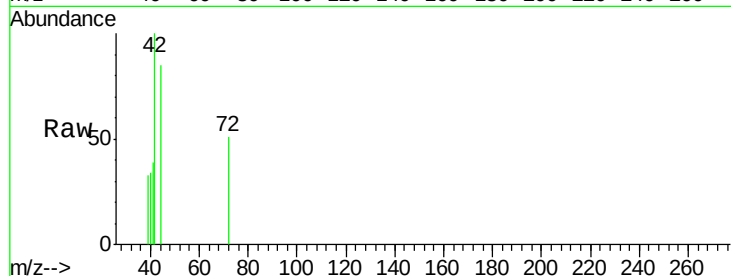
Tot Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

72 24.1 34.5 51.7#

71 3.5 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

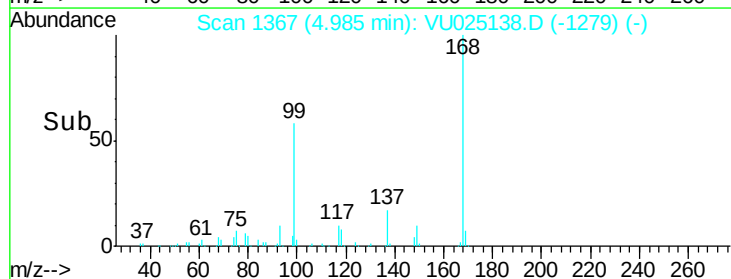
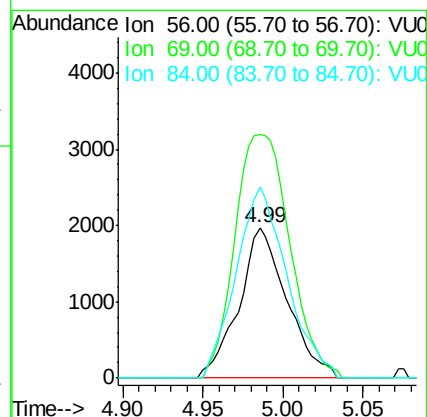
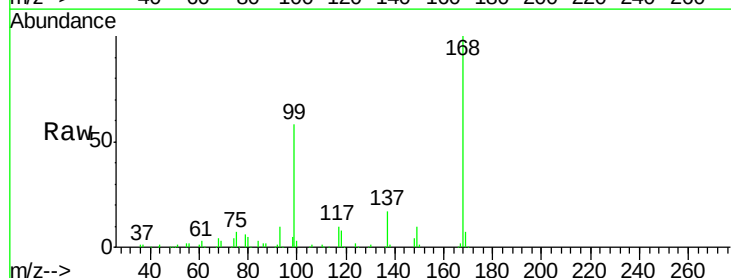
Tgt Ion: 56 Resp: 4053

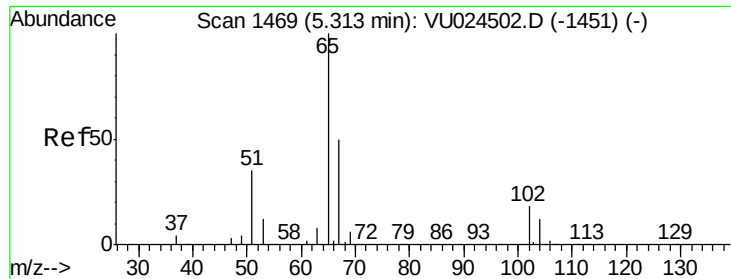
Ion Ratio Lower Upper

56 100

69 162.0 24.8 37.2#

84 127.6 65.2 97.8#

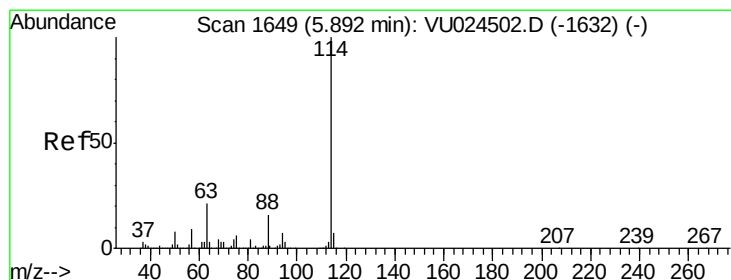
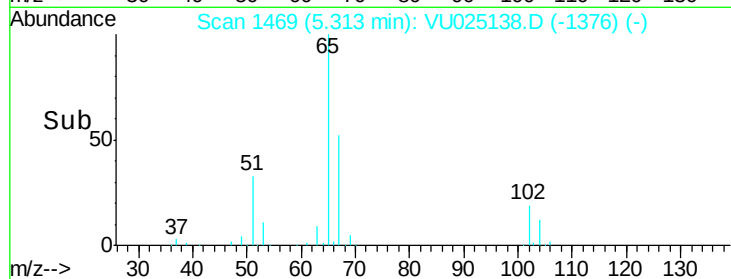
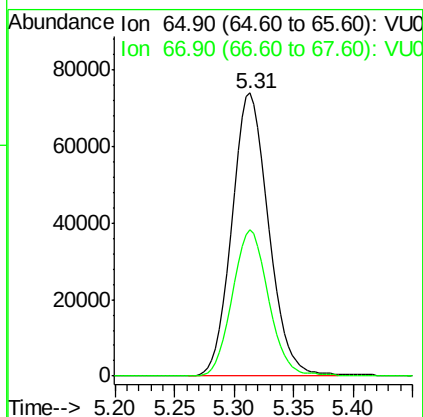
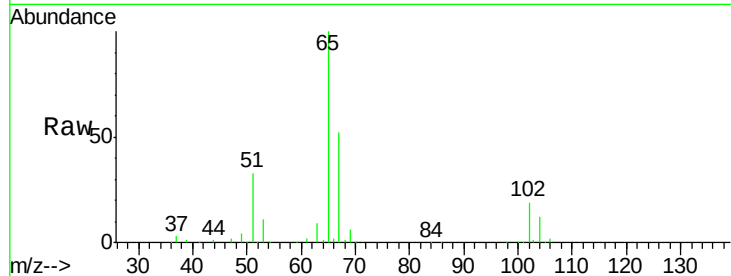




#33
 1,2-Dichloroethane-d4
 Concen: 46.150 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

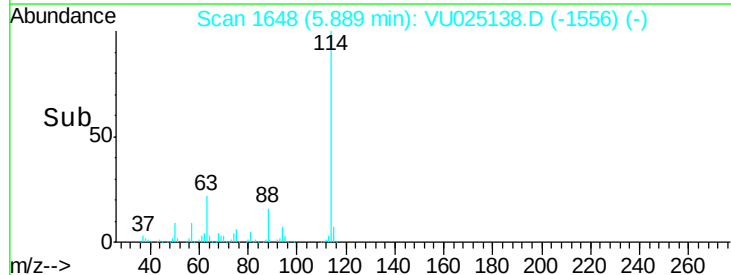
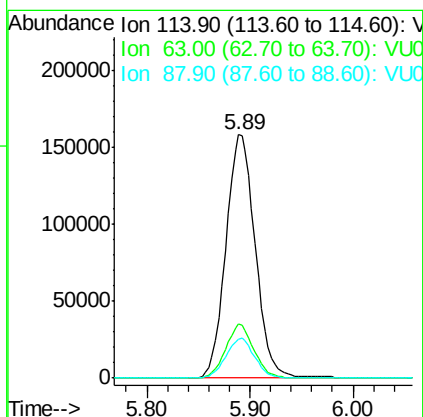
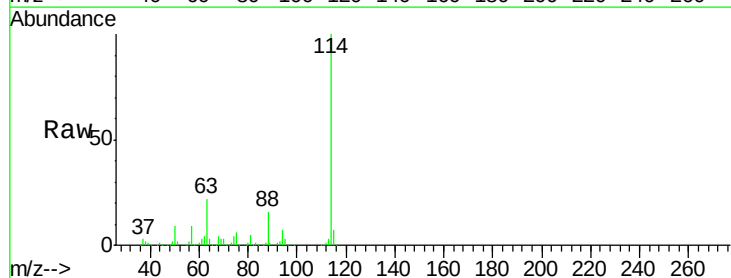
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW359-180625DL

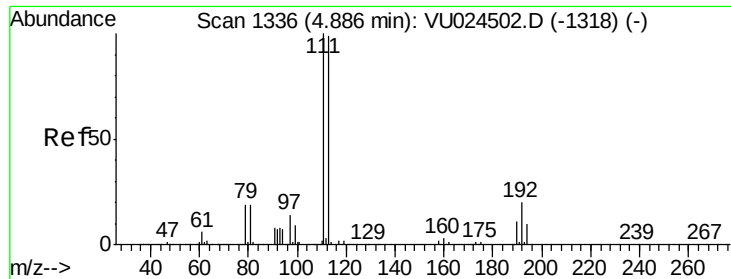
Tot Ion: 65 Resp: 158261
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

Tgt Ion: 114 Resp: 313150
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.4
 88 16.2 0.0 31.0

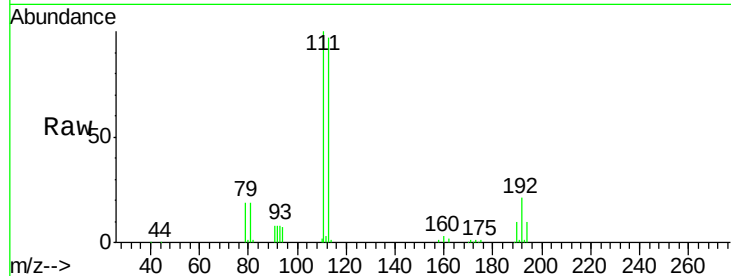




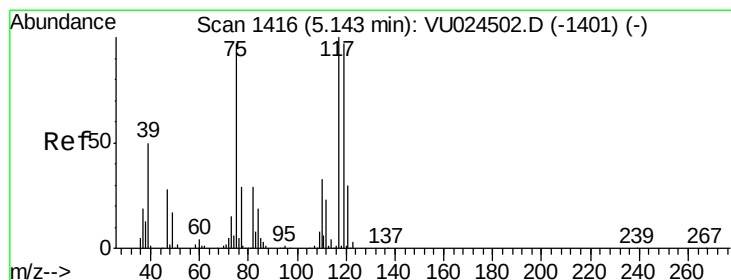
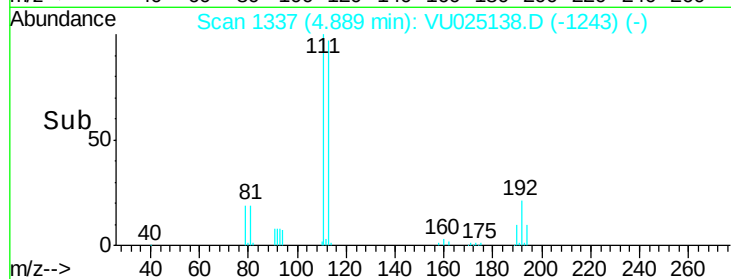
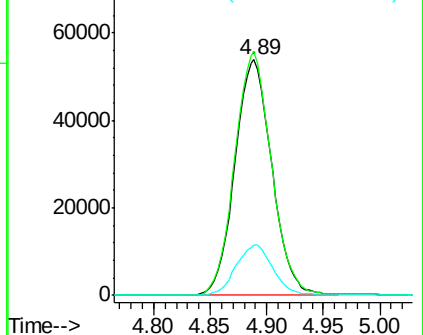
#35
 Dibromofluoromethane
 Concen: 47.266 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW359-180625DL

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

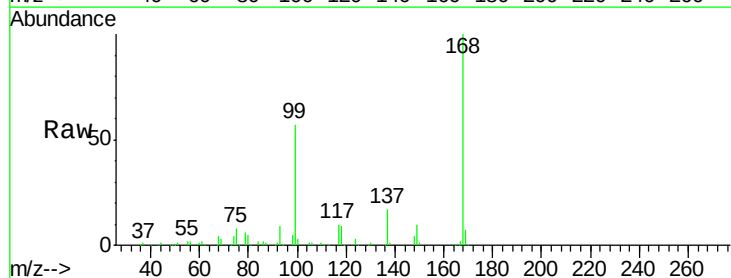


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

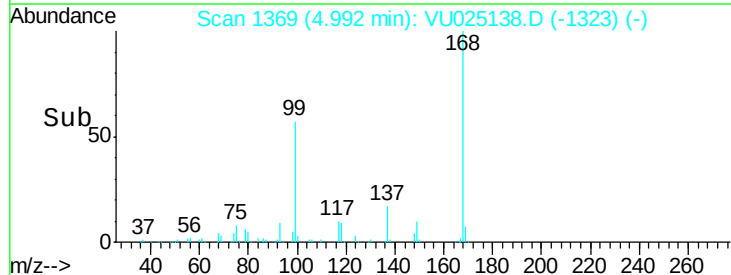
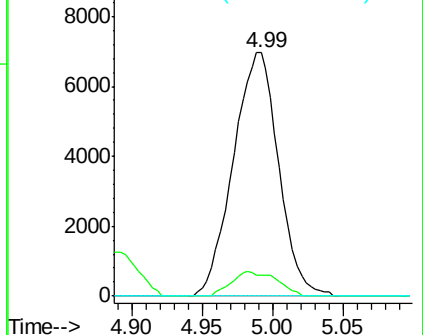


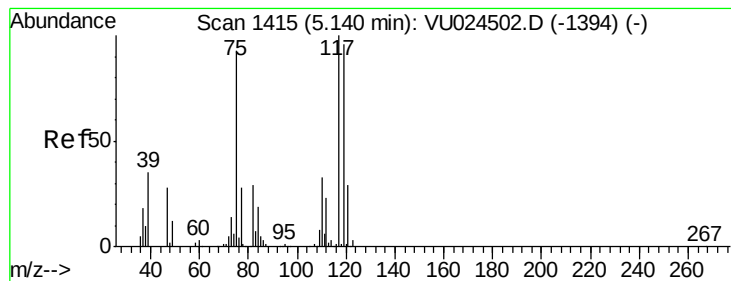
#36
 1,1-Dichloropropene
 Concen: 4.251 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	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: 5.160 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

WP021MW359-180625DL

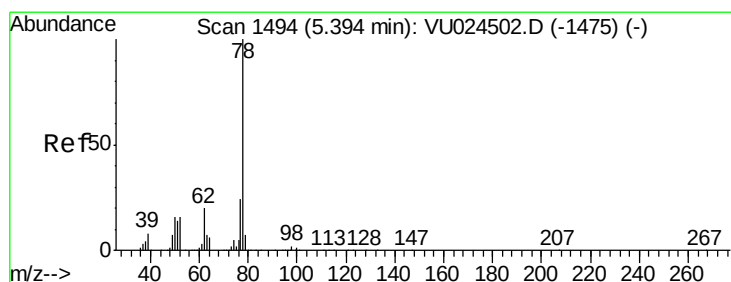
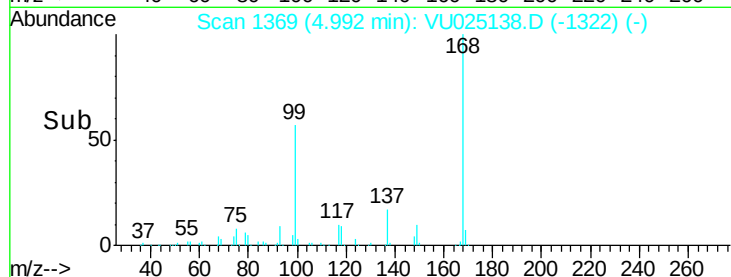
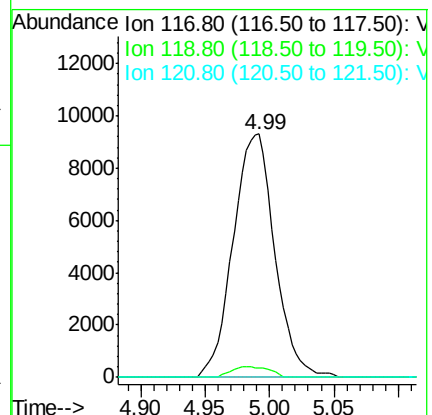
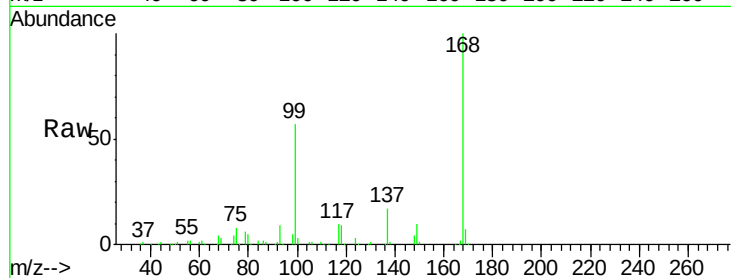
Tot Ion:117 Resp: 20880

Ion Ratio Lower Upper

117 100

119 3.9 76.1 114.1#

121 0.0 23.7 35.5#



#40

Benzene

Concen: 0.782 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025138.D

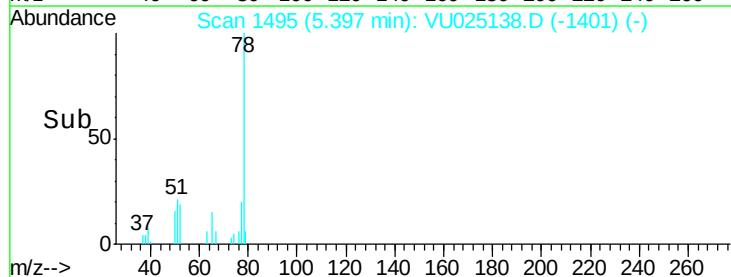
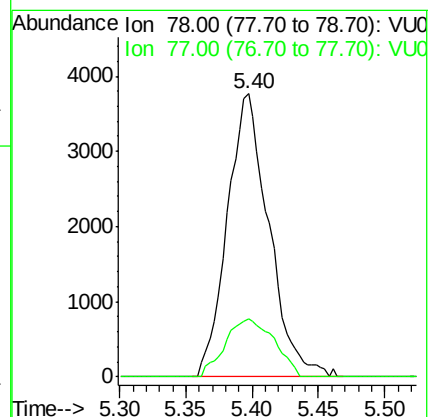
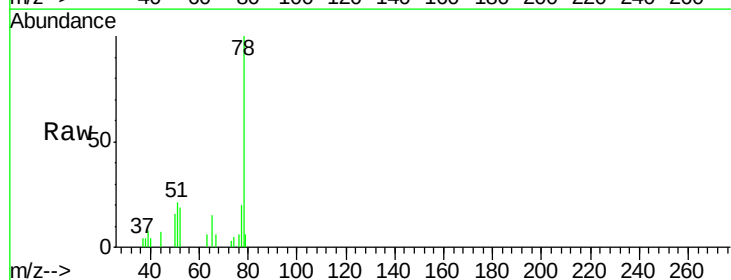
Acq: 02 Jul 2018 13:09

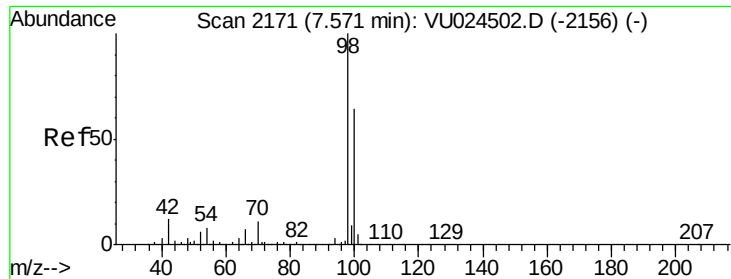
Tgt Ion: 78 Resp: 8204

Ion Ratio Lower Upper

78 100

77 20.4 19.2 28.8

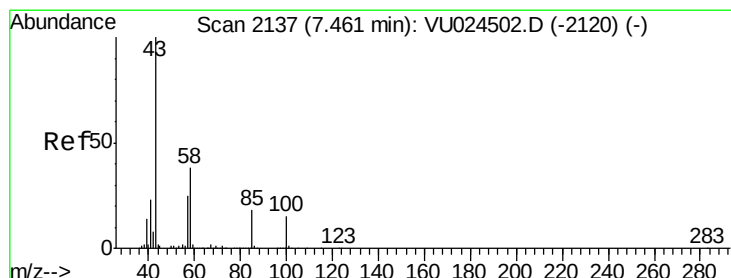
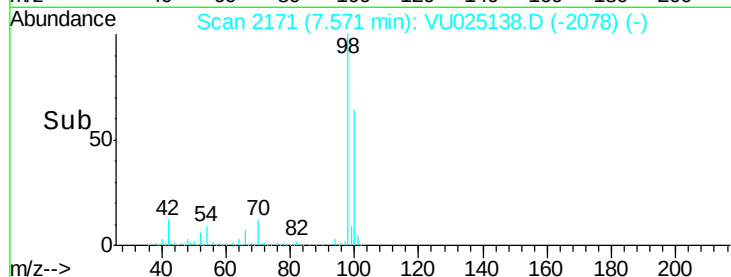
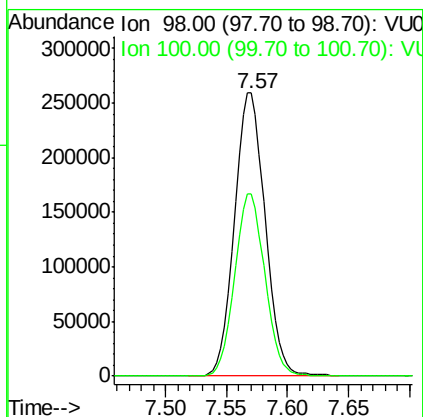
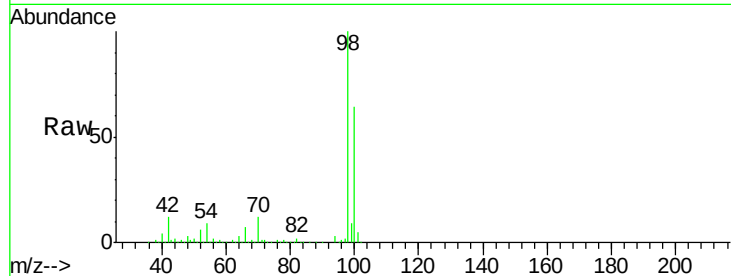




#50
Toluene-d8
Concen: 47.687 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

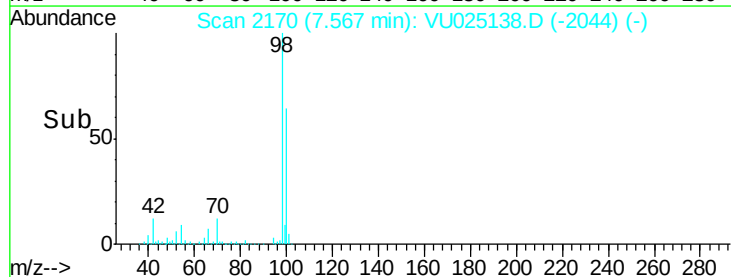
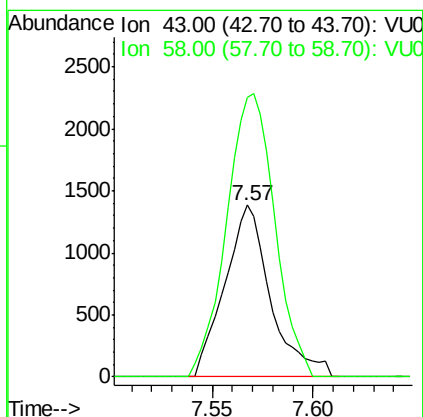
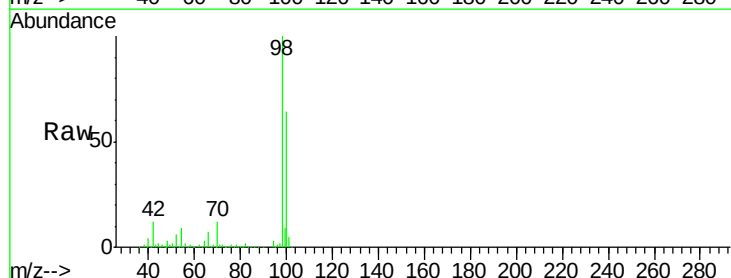
Instrument :
MSVOA_U
ClientSampleId :
WP021MW359-180625DL

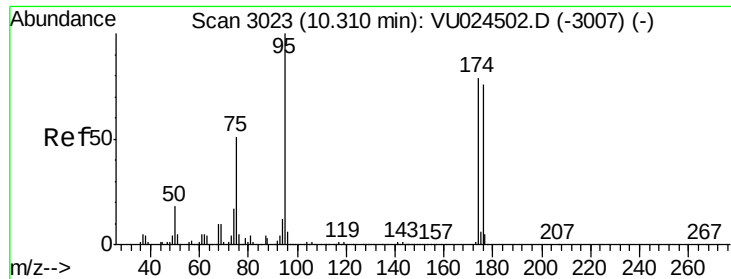
Tot Ion: 98 Resp: 452062
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.504 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

Tgt Ion: 43 Resp: 2197
Ion Ratio Lower Upper
43 100
58 173.3 30.0 45.0#

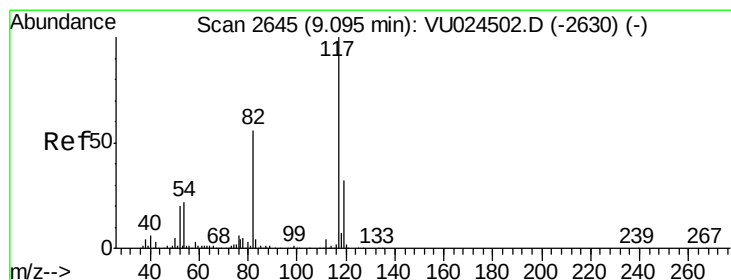
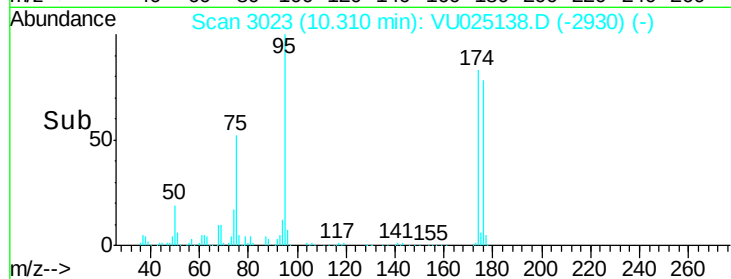
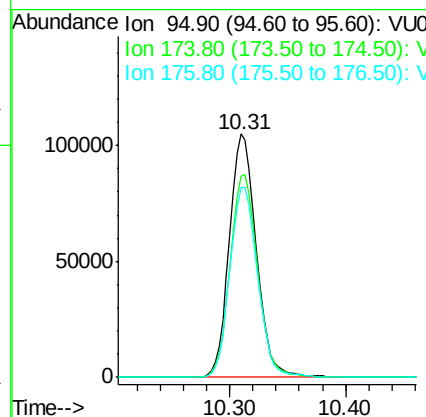
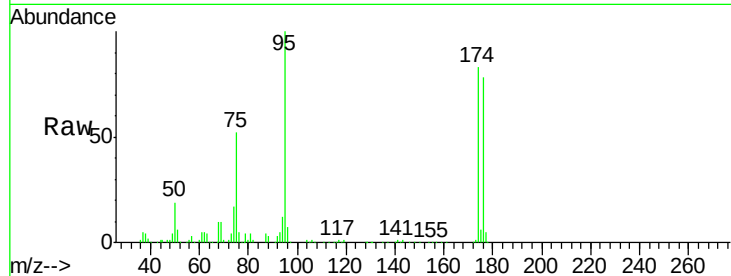




#62
4-Bromofluorobenzene
Concen: 44.666 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

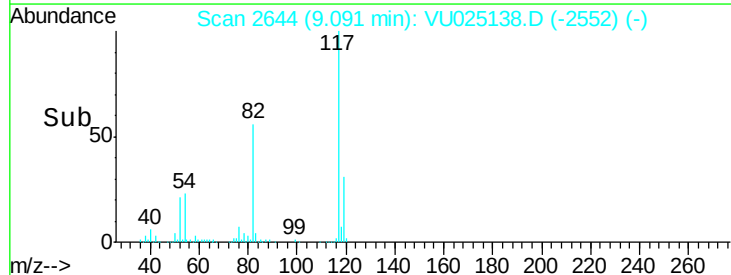
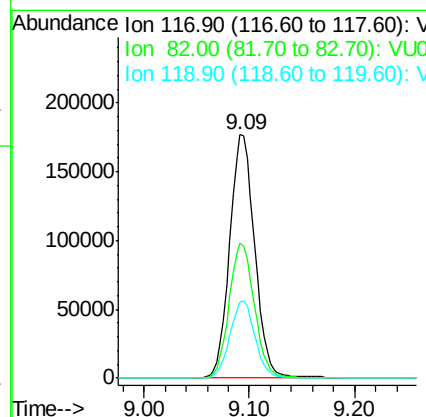
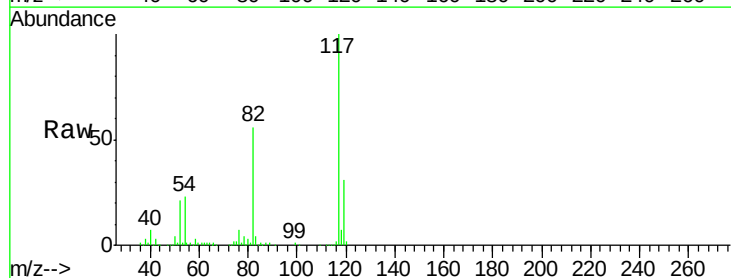
Instrument :
MSVOA_U
ClientSampleId :
WP021MW359-180625DL

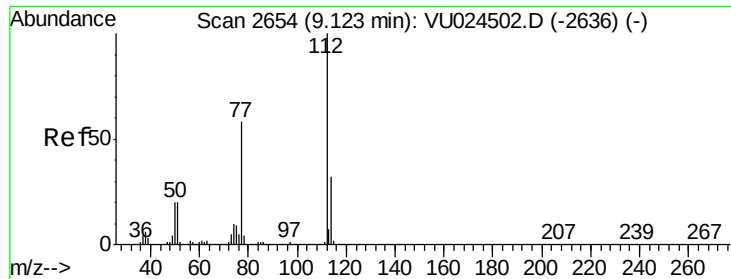
Tot Ion	95	Resp	168115
Ion Ratio	Lower	Upper	
95	100		
174	84.7	0.0	165.8
176	80.6	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025138.D
Acq: 02 Jul 2018 13:09

Tgt Ion	117	Resp	290869
Ion Ratio	Lower	Upper	
117	100		
82	55.5	44.3	66.5
119	31.3	25.4	38.2





#65

Chlorobenzene

Concen: 3.433 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

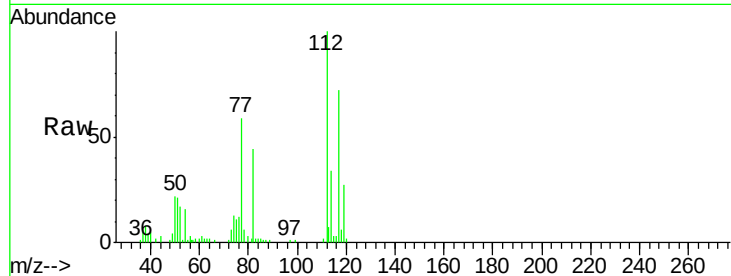
WP021MW359-180625DL

Tot Ion:112 Resp: 25510

Ion Ratio Lower Upper

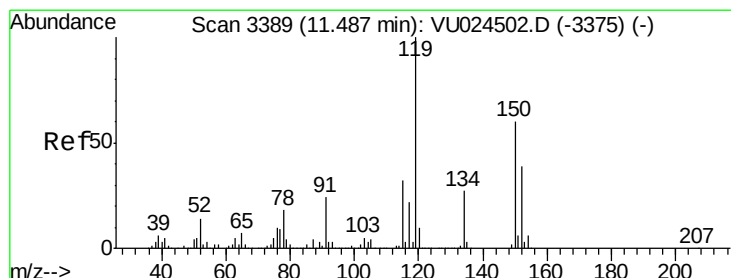
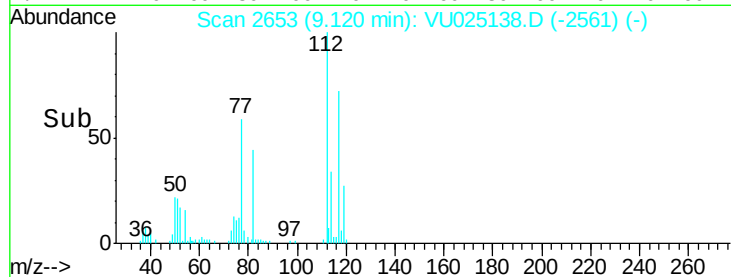
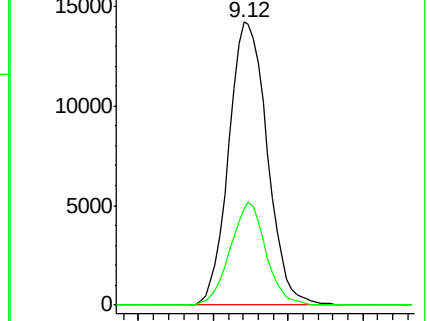
112 100

114 34.2 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: VU025138.D

Acq: 02 Jul 2018 13:09

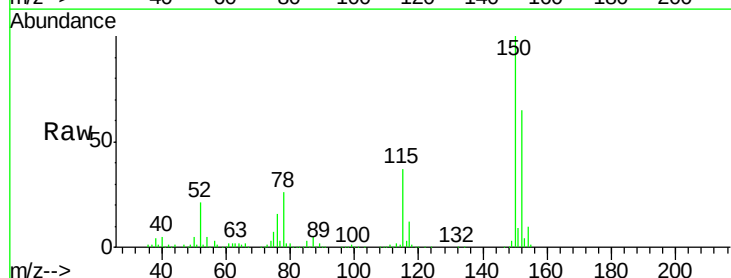
Tgt Ion:152 Resp: 150988

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

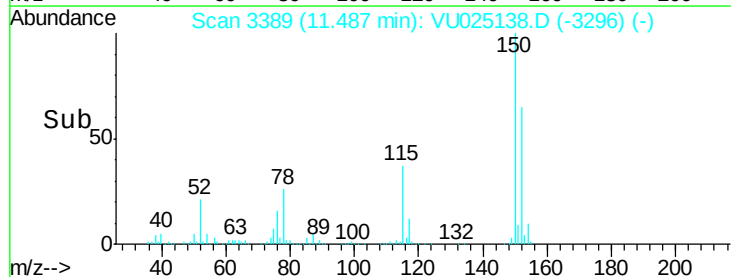
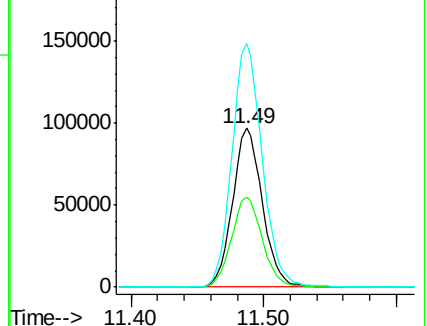
150 156.0 0.0 354.0

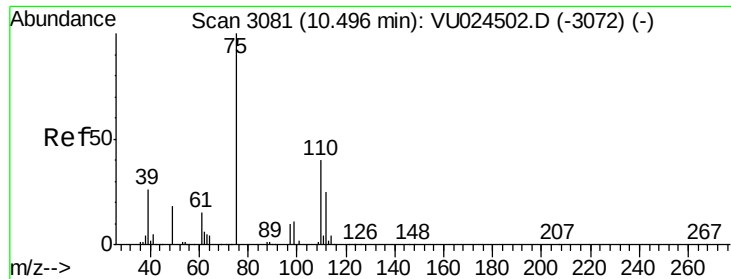


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

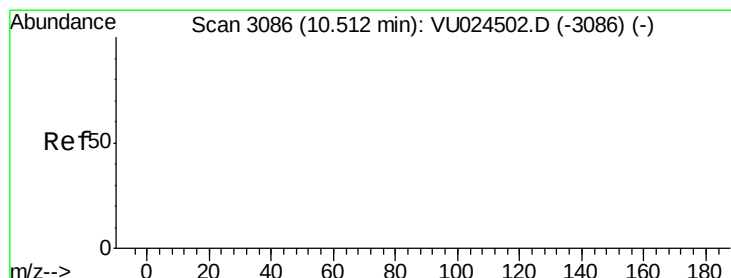
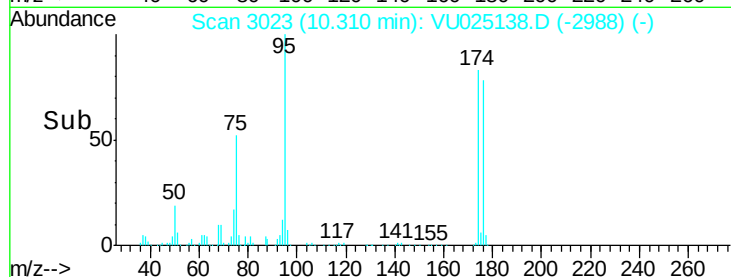
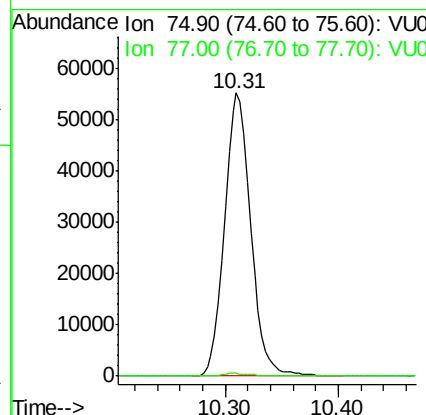
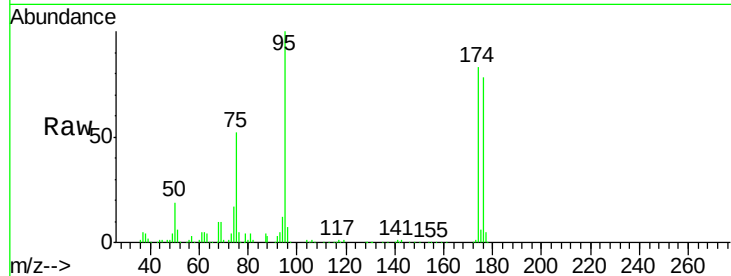




#76
 1,2,3-Trichloropropane
 Concen: 26.684 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

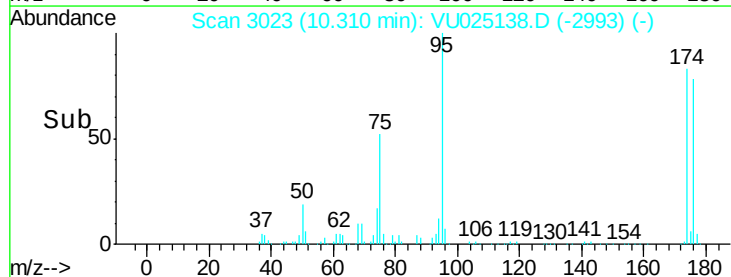
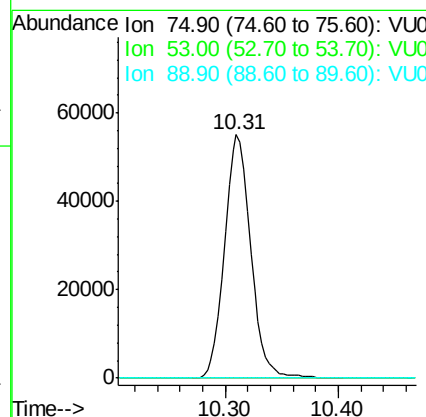
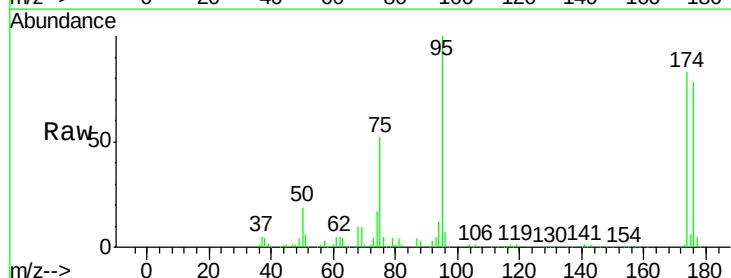
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW359-180625DL

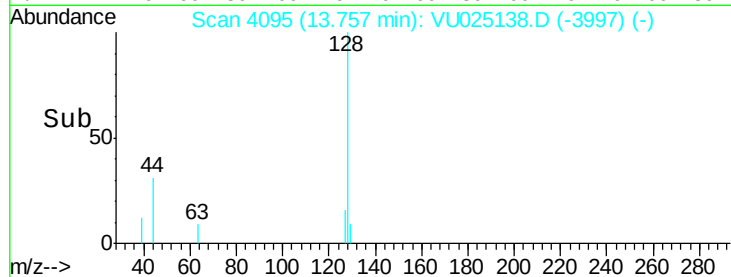
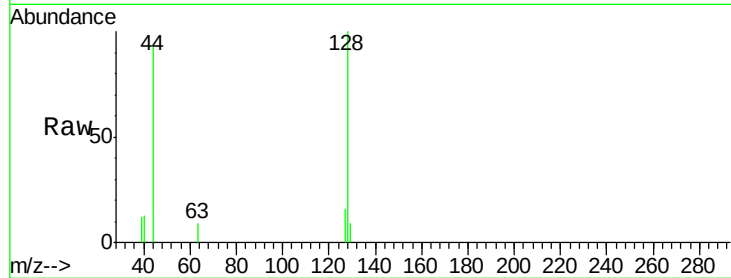
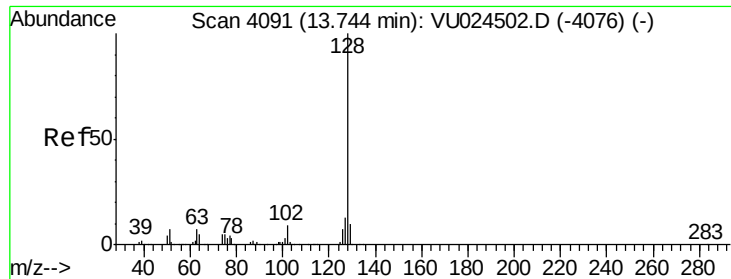
Tot Ion: 75 Resp: 88702
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.757 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025138.D
 Acq: 02 Jul 2018 13:09

Tgt Ion: 75 Resp: 88702
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.941 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025138.D

Acq: 02 Jul 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

WP021MW359-180625DL

Tot Ion:128 Resp: 2942

Ion Ratio Lower Upper

128 100

127 3.9 10.6 16.0#

129 4.1 8.6 12.8#

