

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025190.D
 Acq On : 03 Jul 2018 14:52
 Operator : MD/SY
 Sample : J3760-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627

Quant Time: Jul 04 04:58:20 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	203596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305964	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144580	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	155581	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	4.89	113	119699	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	7.57	98	434985	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	10.31	95	159934	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

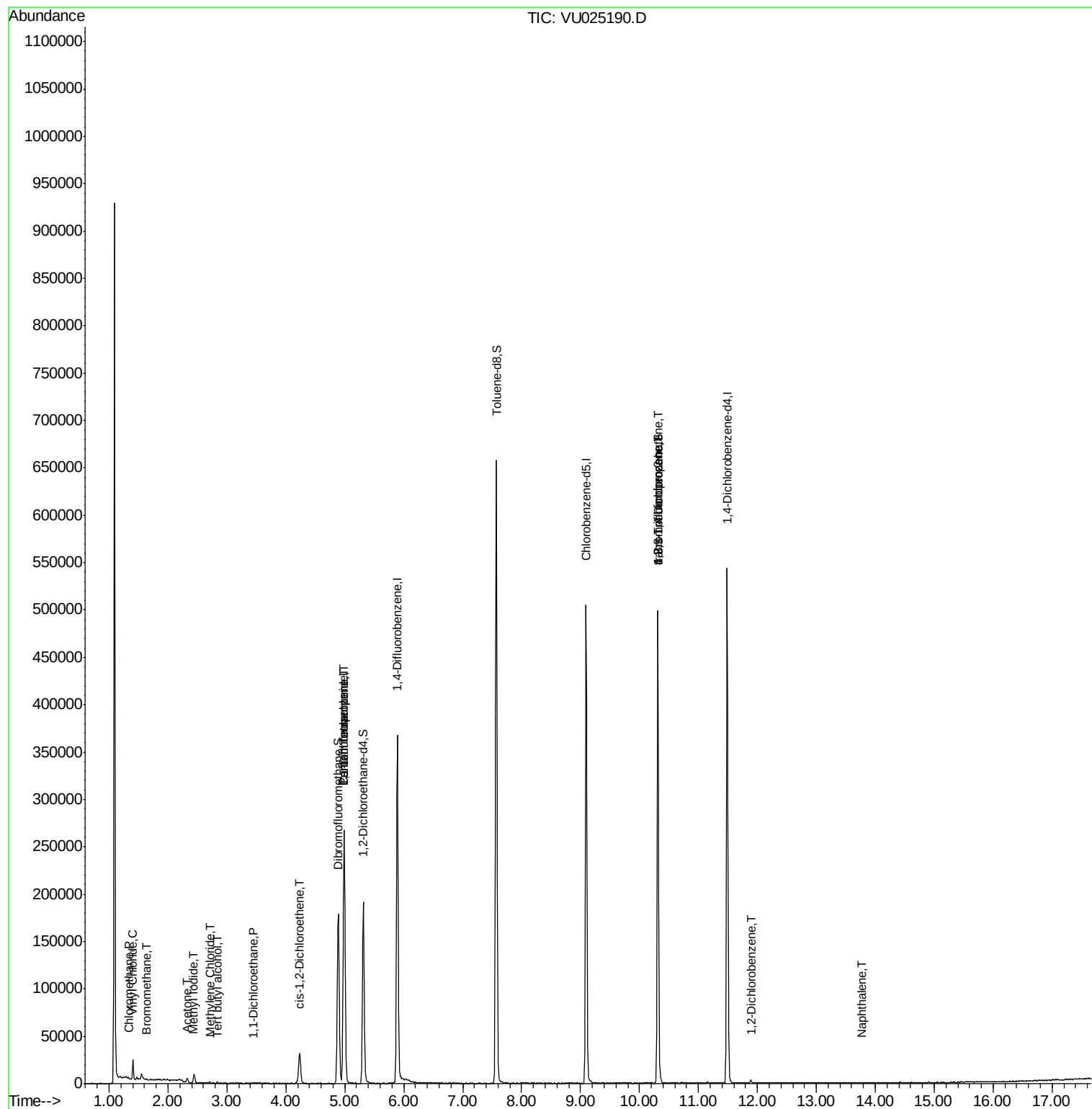
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1119	0.430	ug/l	96
4) Vinyl Chloride	1.40	62	12405	4.620	ug/l	98
5) Bromomethane	1.64	94	389	0.300	ug/l #	73
6) Chloroethane	1.71	64	132	Below Cal	#	43
10) Methyl Iodide	2.42	142	118	5.338	ug/l #	40
11) Tert butyl alcohol	2.84	59	637	0.788	ug/l #	72
16) Acetone	2.32	43	5689	3.186	ug/l	89
20) Methylene Chloride	2.70	84	580	0.207	ug/l	92
24) 1,1-Dichloroethane	3.45	63	1078	0.220	ug/l #	83
27) cis-1,2-Dichloroethene	4.24	96	18147	6.182	ug/l	90
31) Cyclohexane	4.99	56	3631	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14661	4.078	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20233	5.118	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	84300	26.483	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84300	61.294	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	1649	0.317	ug/l	98
95) Naphthalene	13.77	128	122	0.691	ug/l #	69

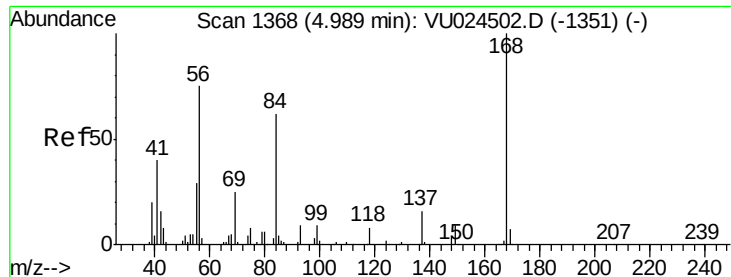
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

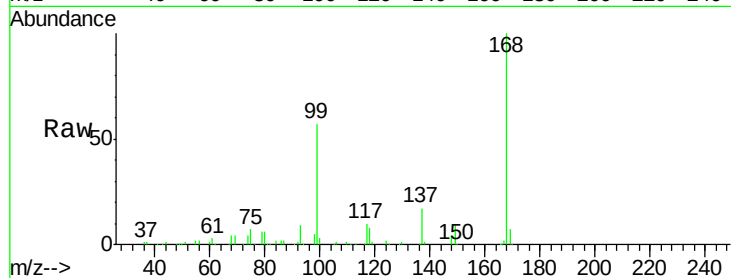
WP021MW011-180627

Tot Ion:168 Resp: 203596

Ion Ratio Lower Upper

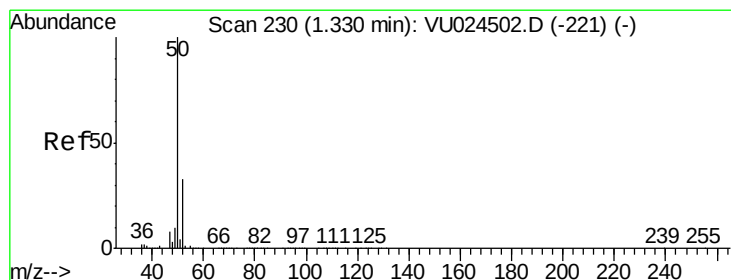
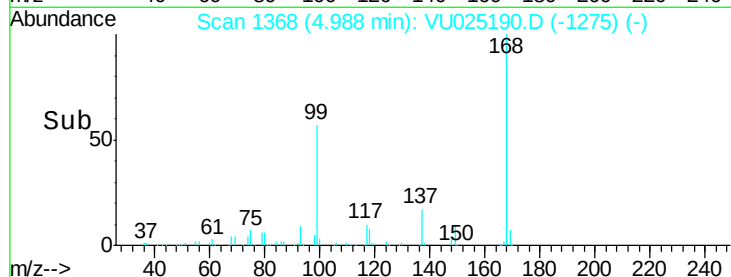
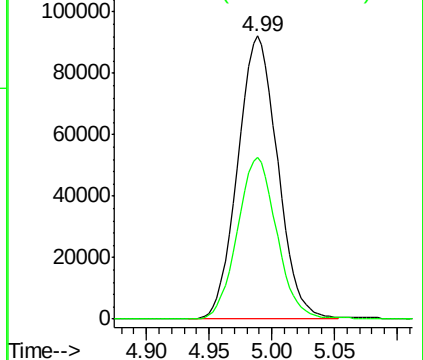
168 100

99 57.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025190.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025190.D (-1275) (-)



#3

Chloromethane

Concen: 0.430 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025190.D

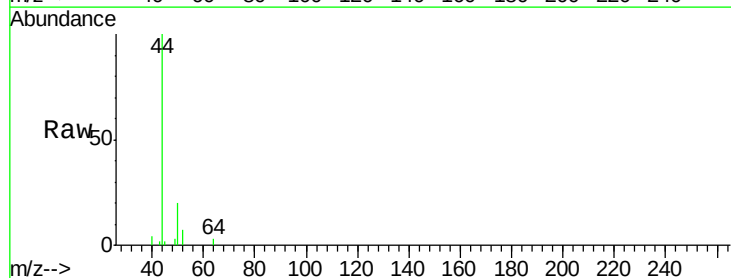
Acq: 03 Jul 2018 14:52

Tgt Ion: 50 Resp: 1119

Ion Ratio Lower Upper

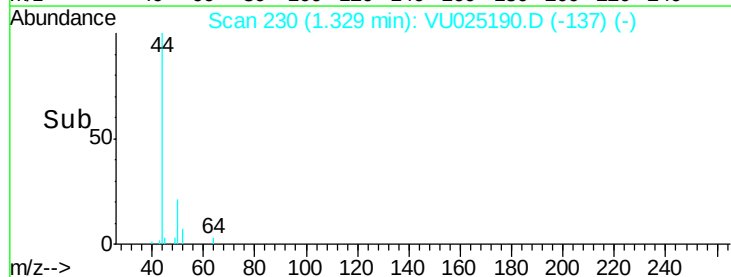
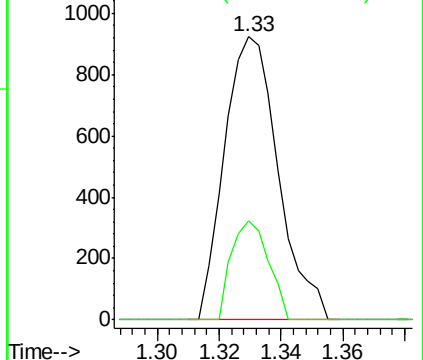
50 100

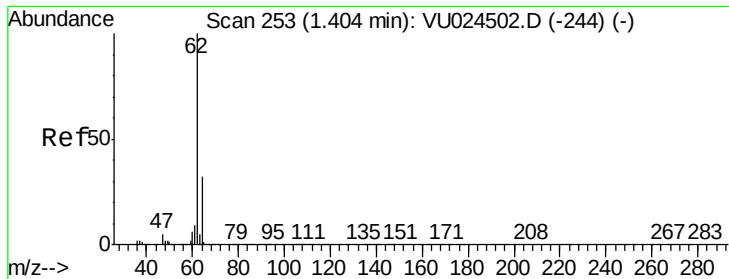
52 35.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025190.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025190.D (-137) (-)





#4

Vinyl Chloride

Concen: 4.620 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

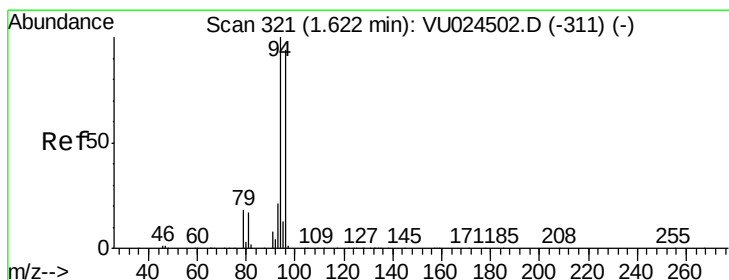
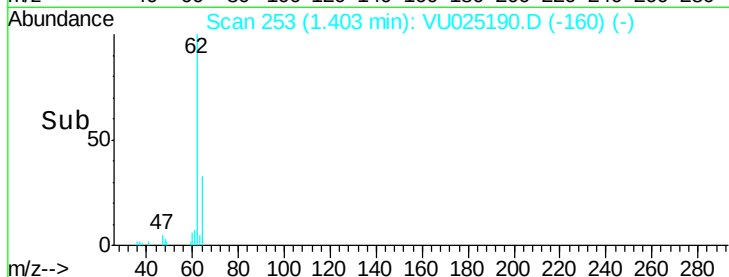
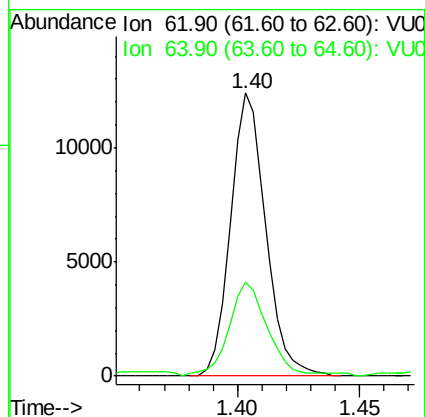
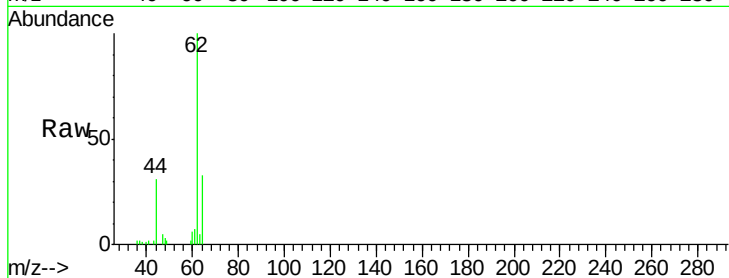
WP021MW011-180627

Tot Ion: 62 Resp: 12405

Ion Ratio Lower Upper

62 100

64 32.3 24.8 37.2



#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU025190.D

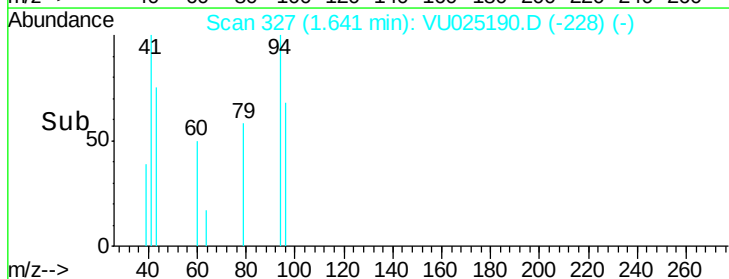
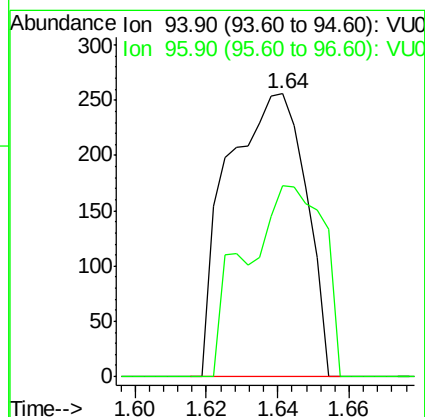
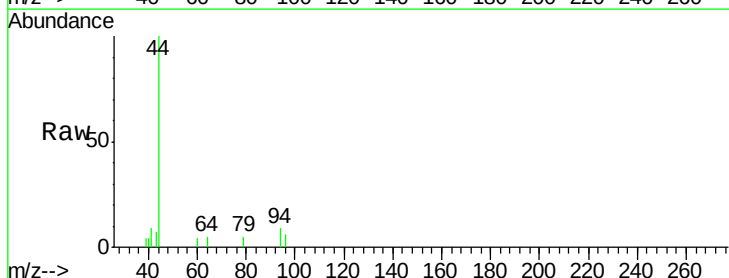
Acq: 03 Jul 2018 14:52

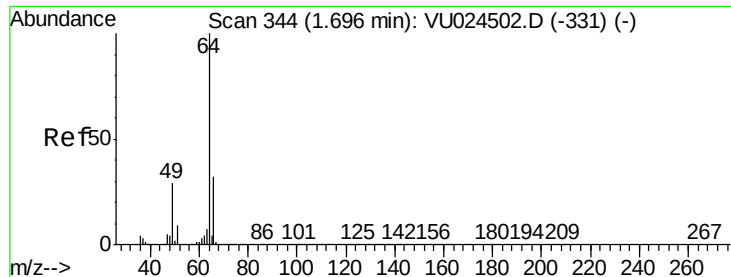
Tgt Ion: 94 Resp: 389

Ion Ratio Lower Upper

94 100

96 67.6 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

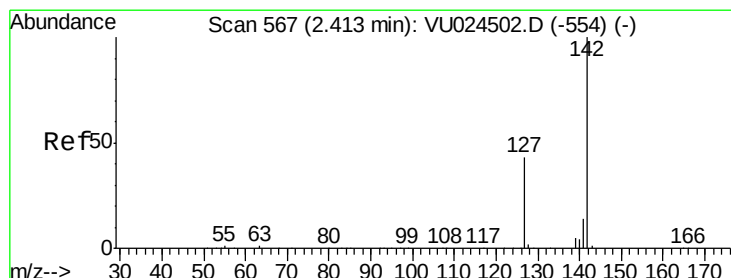
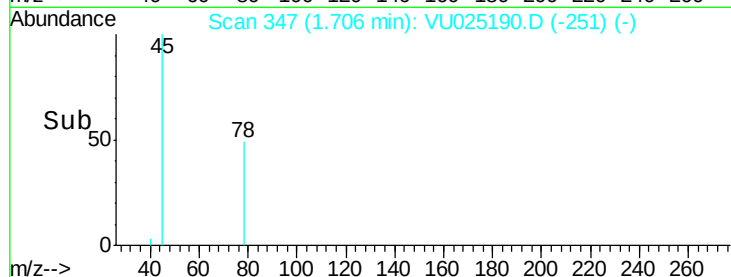
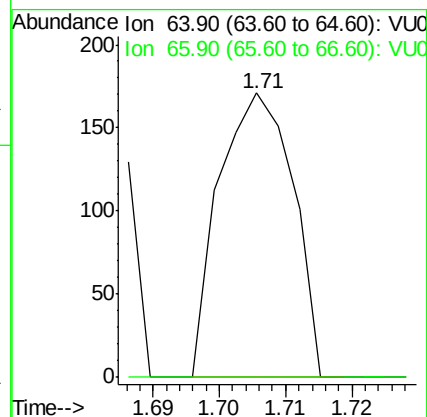
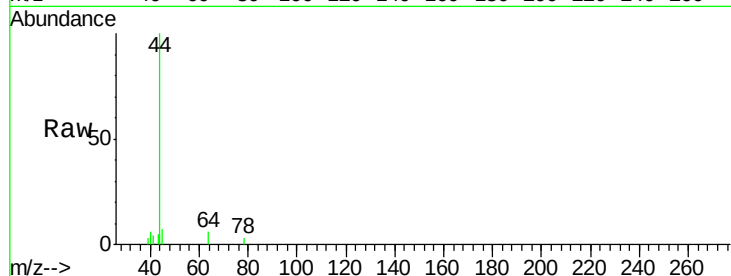
WP021MW011-180627

Tot Ion: 64 Resp: 132

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.338 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

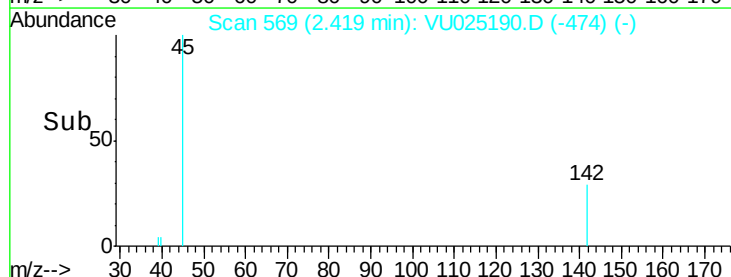
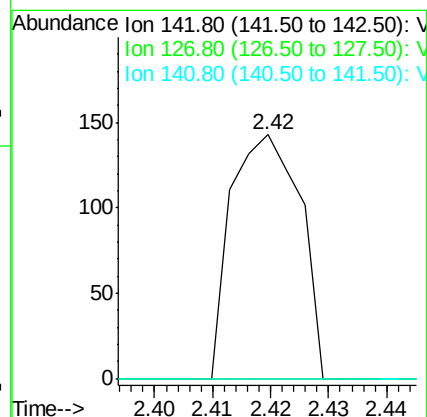
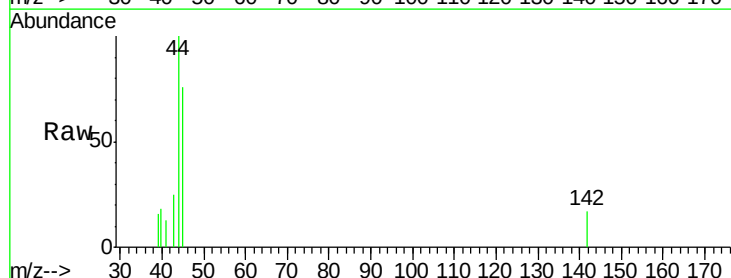
Tgt Ion: 142 Resp: 118

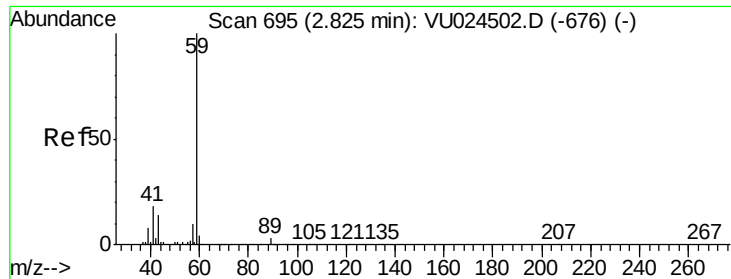
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



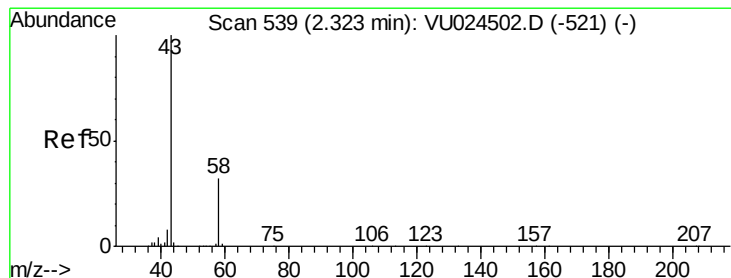
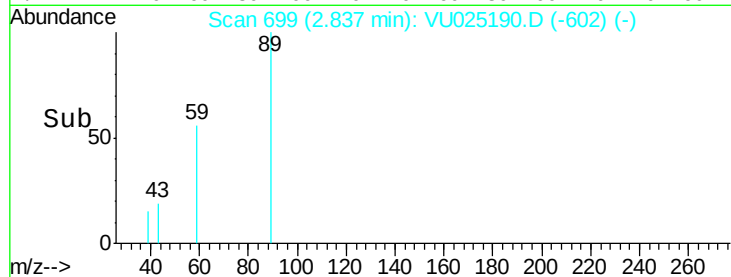
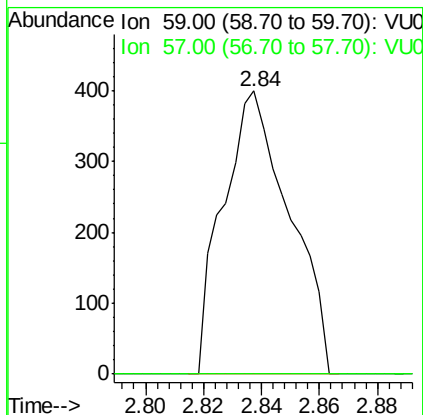
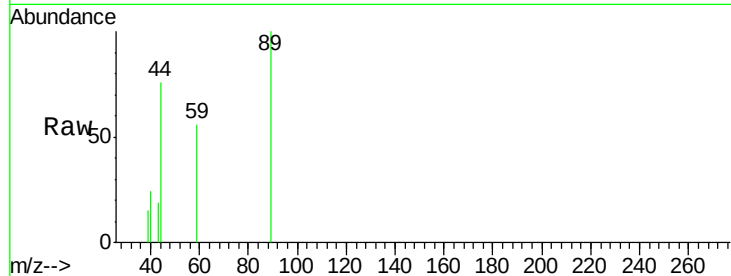


#11

Tert butyl alcohol
 Concen: 0.788 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627

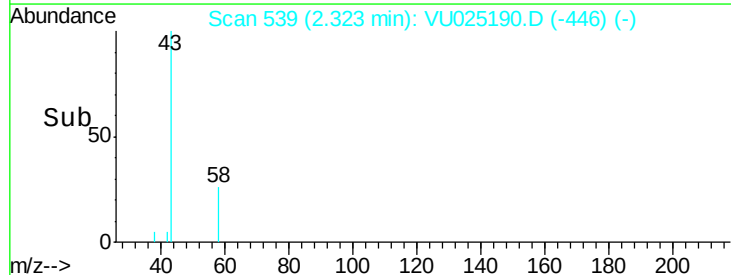
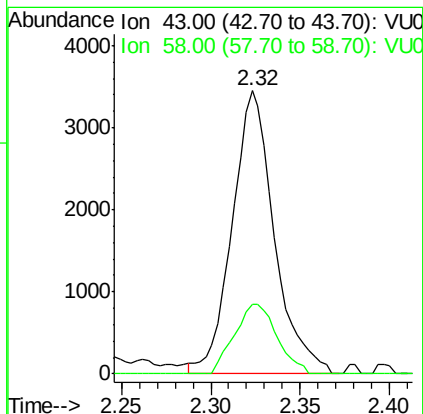
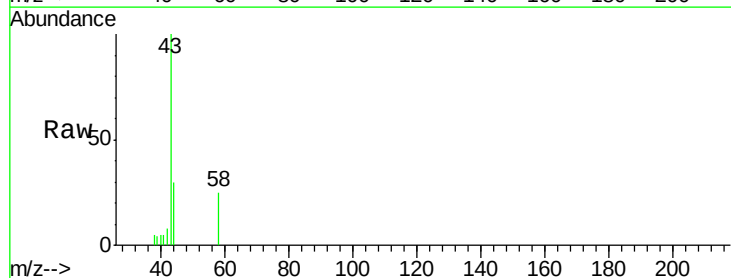
Tot Ion: 59 Resp: 637
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

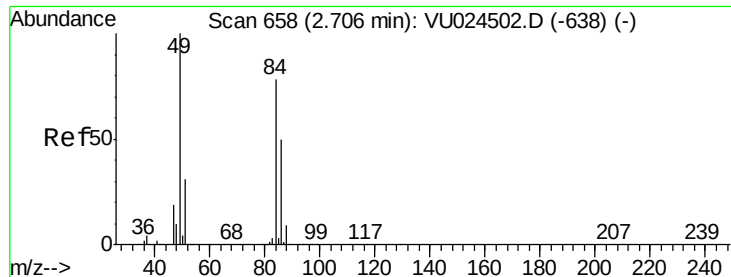


#16

Acetone
 Concen: 3.186 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

Tgt Ion: 43 Resp: 5689
 Ion Ratio Lower Upper
 43 100
 58 24.7 24.4 36.6





#20

Methvlene Chloride

Concen: 0.207 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627

Tot Ion: 84 Resp: 580

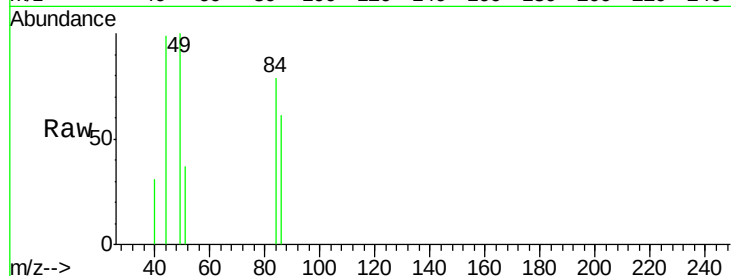
Ion Ratio Lower Upper

84 100

49 126.6 103.8 155.8

51 47.1 32.0 48.0

86 77.2 51.6 77.4

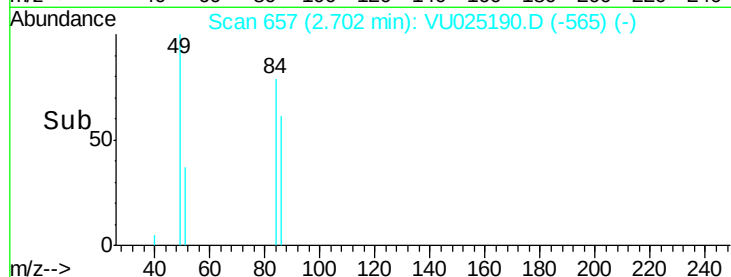
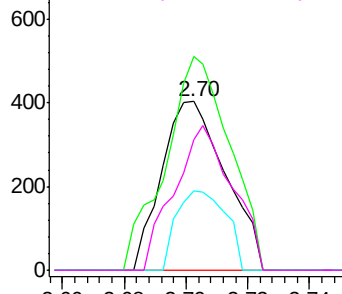


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#24

1,1-Dichloroethane

Concen: 0.220 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

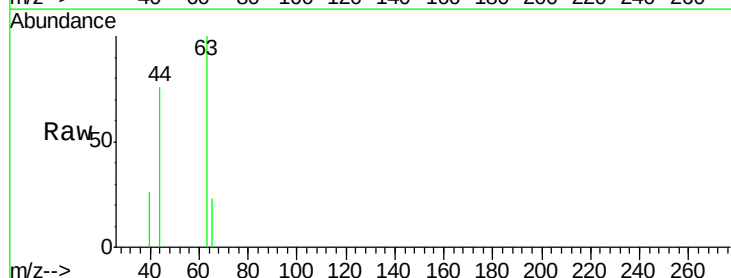
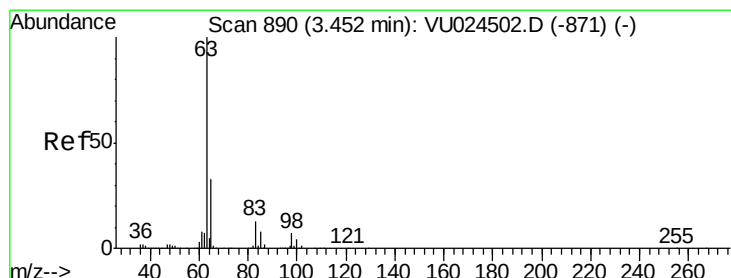
Tgt Ion: 63 Resp: 1078

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

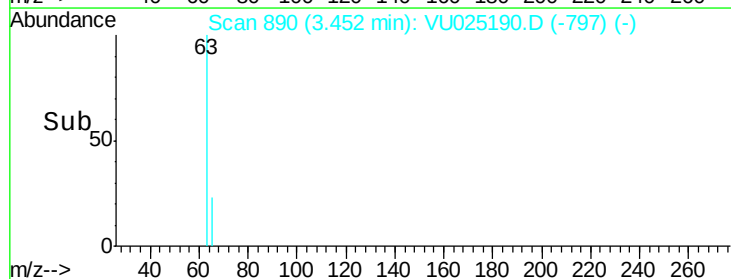
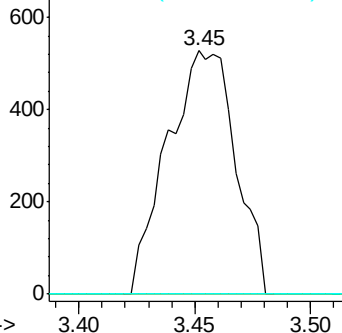
100 0.0 1.8 5.5#

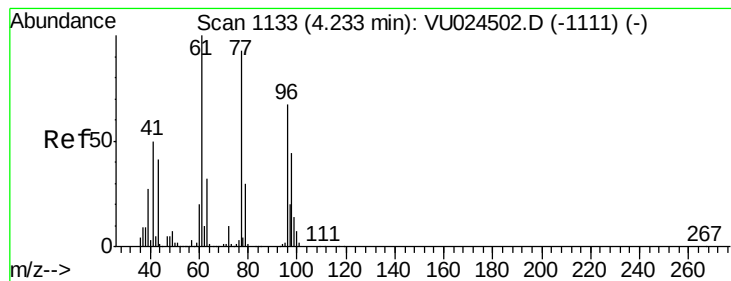


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 6.182 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

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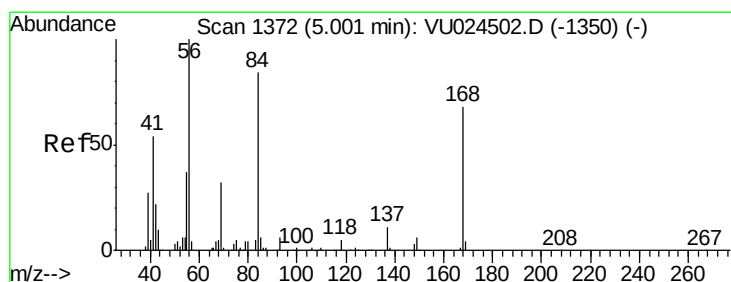
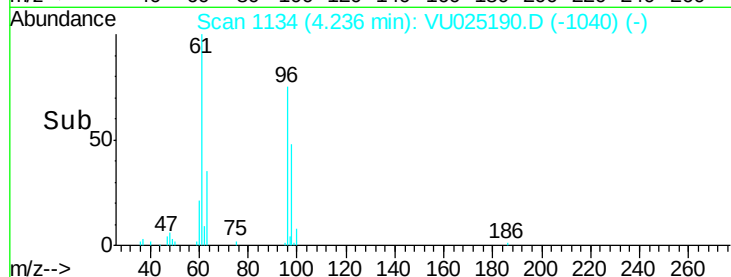
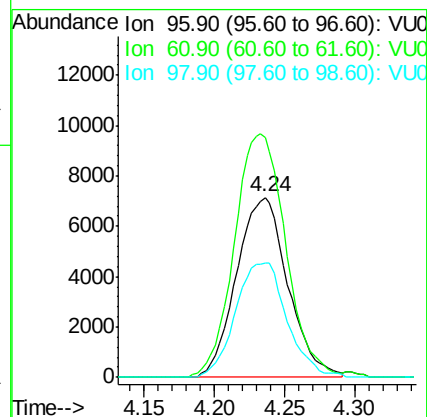
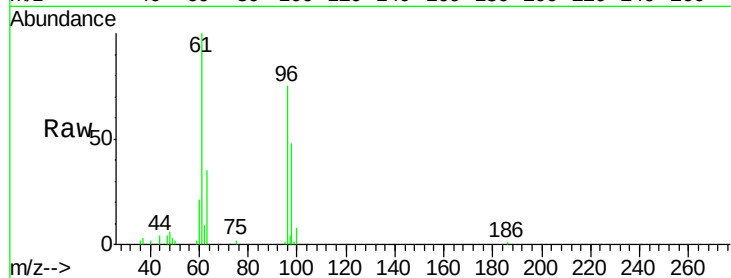
Tot Ion: 96 Resp: 18147

Ion Ratio Lower Upper

96 100

61 135.1 0.0 306.6

98 63.8 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

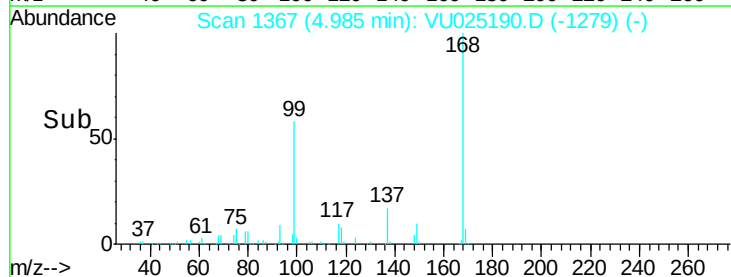
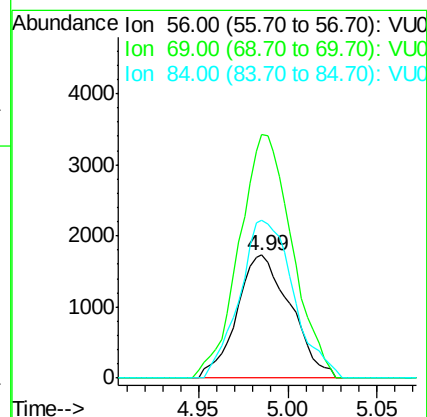
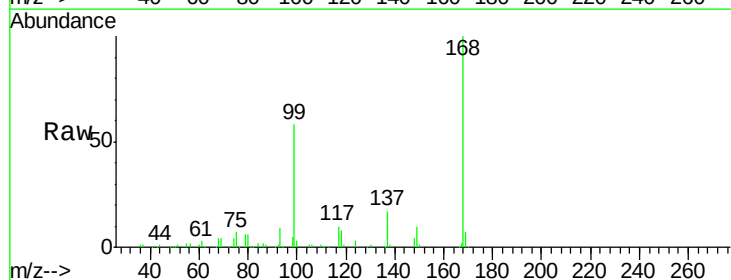
Tgt Ion: 56 Resp: 3631

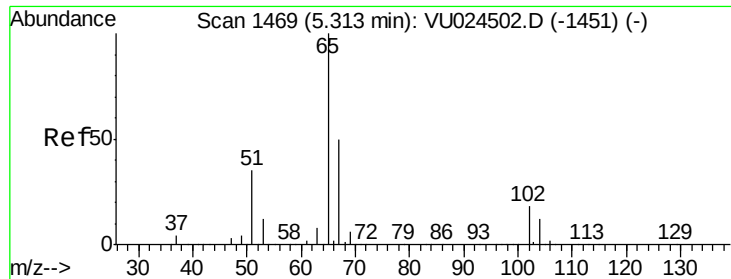
Ion Ratio Lower Upper

56 100

69 198.0 24.8 37.2#

84 128.8 65.2 97.8#

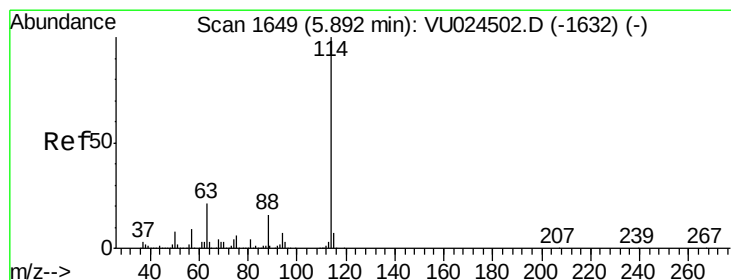
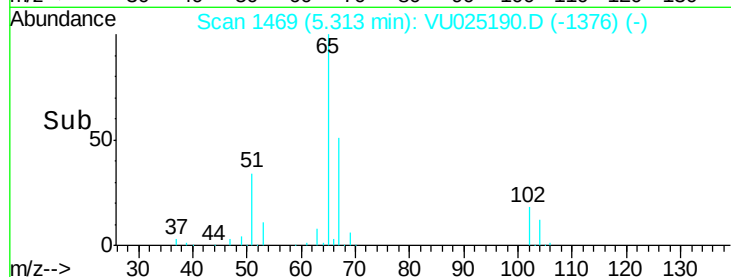
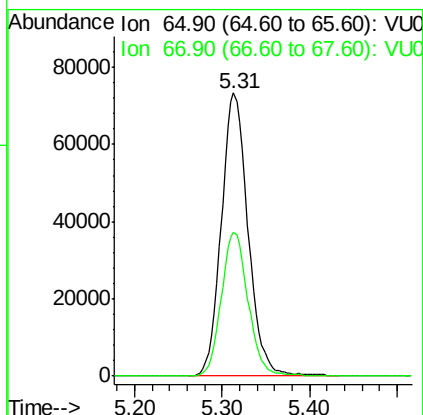
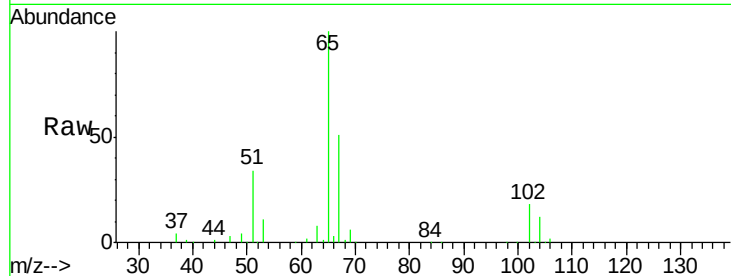




#33
 1,2-Dichloroethane-d4
 Concen: 46.809 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

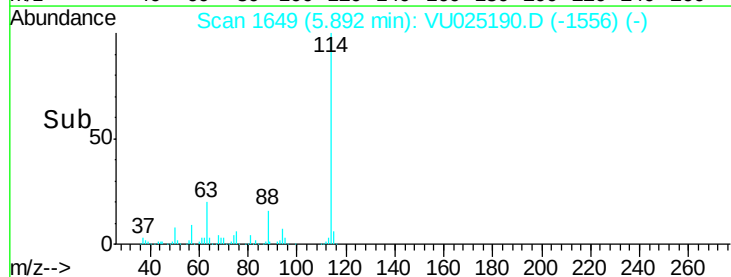
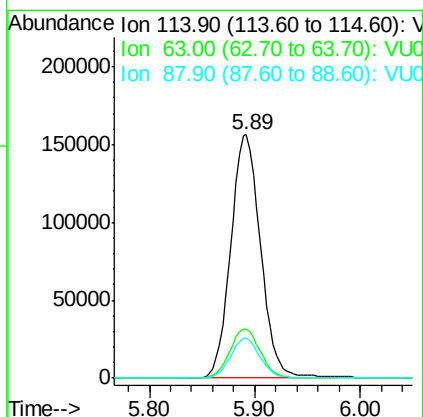
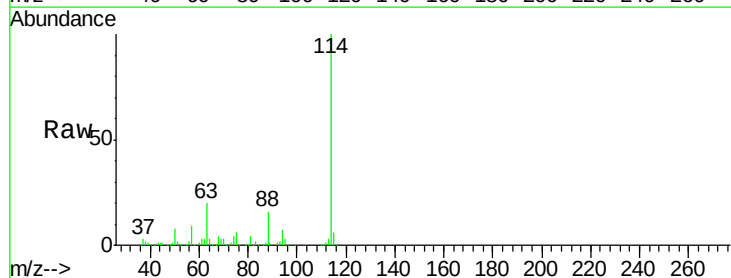
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627

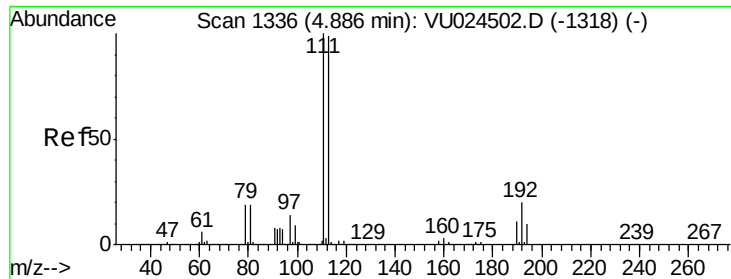
Tot Ion: 65 Resp: 155581
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

Tgt Ion: 114 Resp: 305964
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 16.3 0.0 31.0

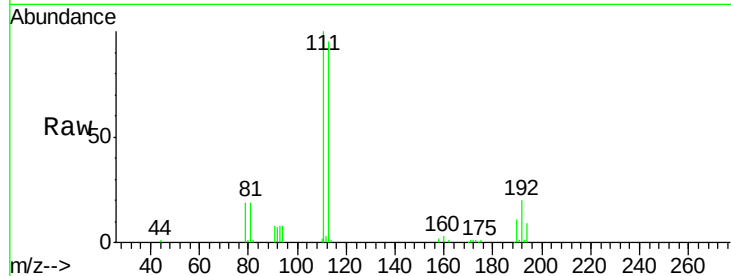




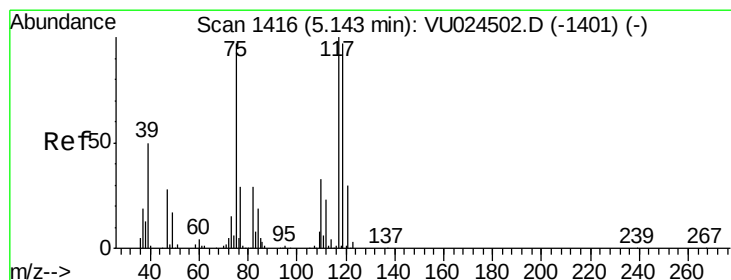
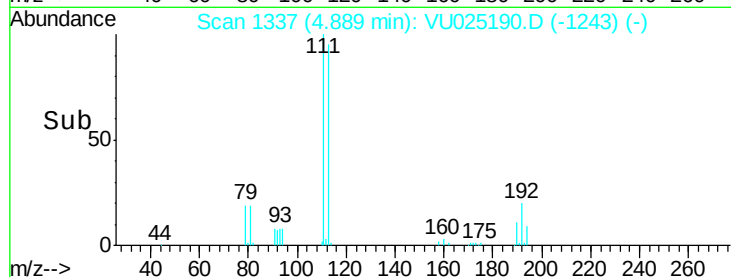
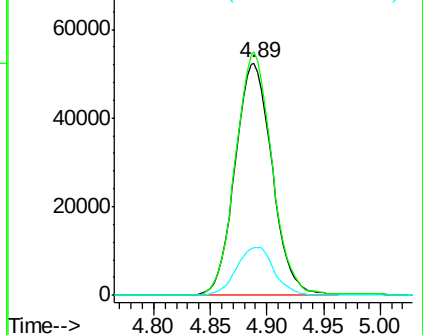
#35
 Dibromofluoromethane
 Concen: 47.139 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	21.0	16.2	24.4

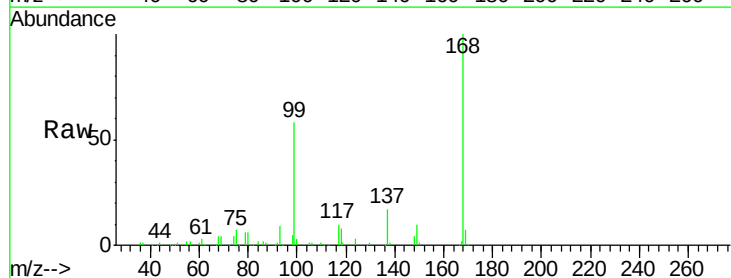


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

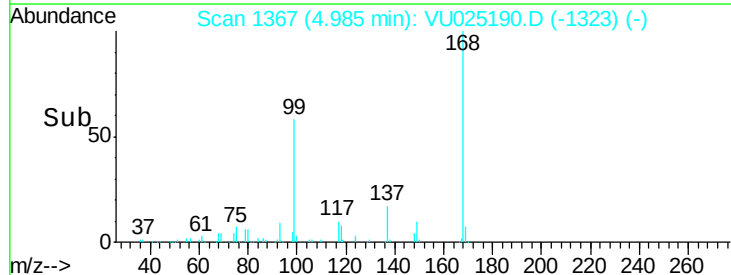
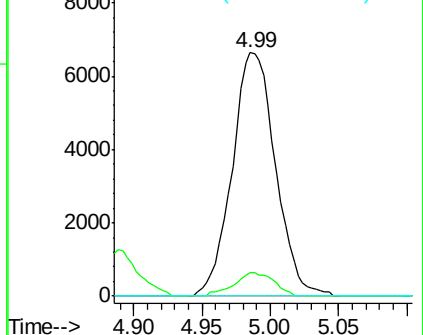


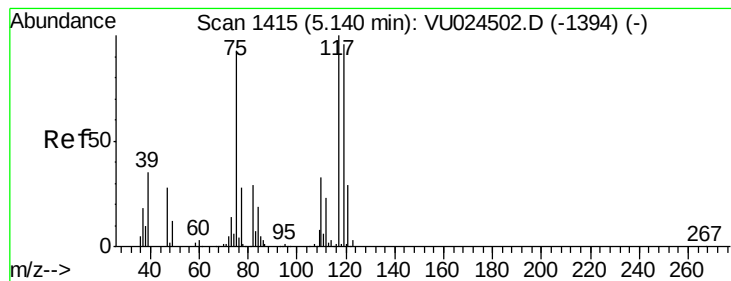
#36
 1,1-Dichloropropene
 Concen: 4.078 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025190.D
 Acq: 03 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	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: 5.118 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627

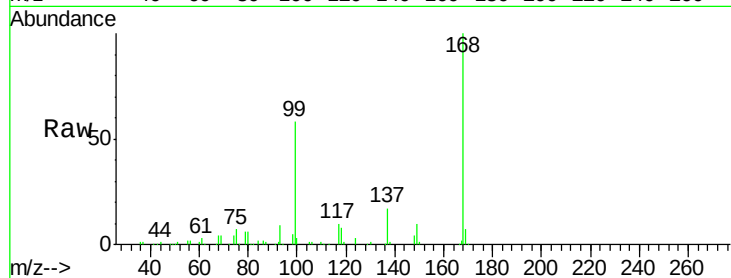
Tot Ion:117 Resp: 20233

Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

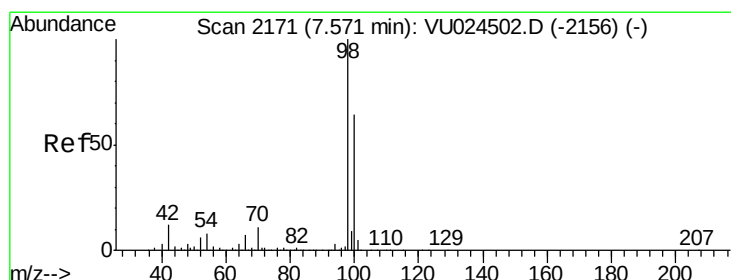
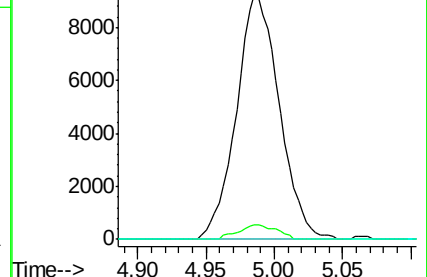
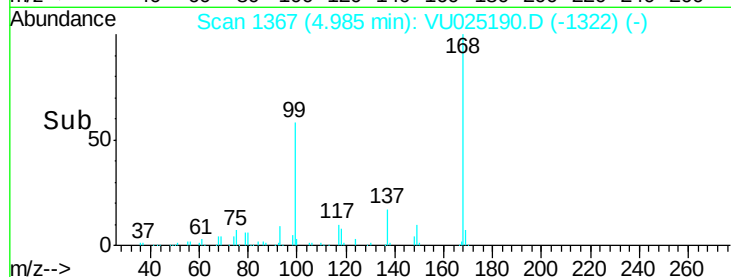
121 0.0 23.7 35.5#



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: 46.963 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025190.D

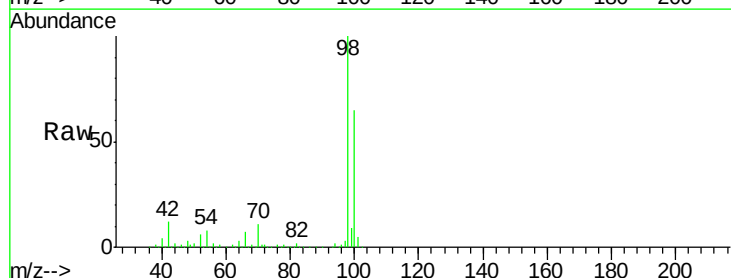
Acq: 03 Jul 2018 14:52

Tgt Ion: 98 Resp: 434985

Ion Ratio Lower Upper

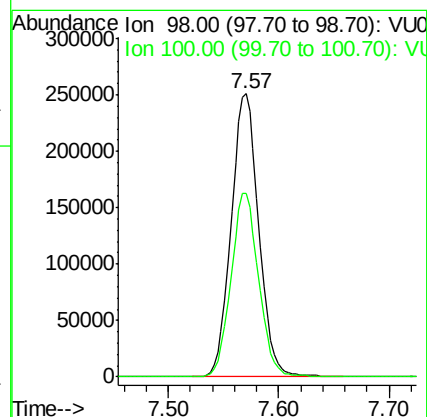
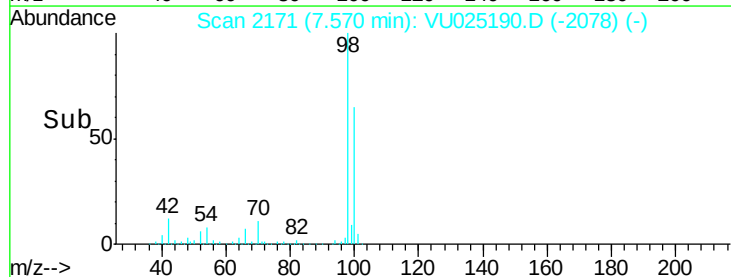
98 100

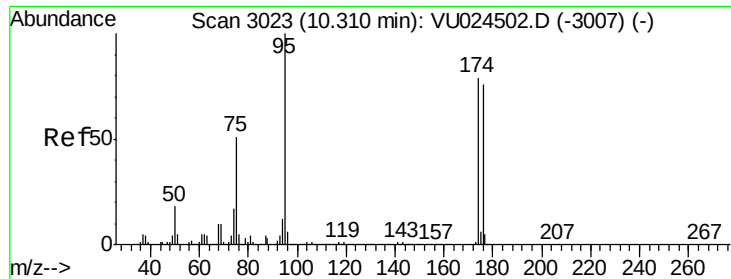
100 65.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

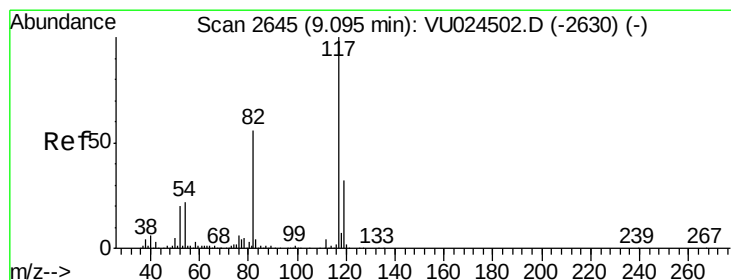
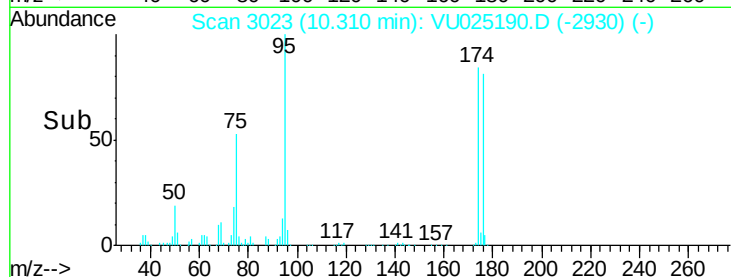
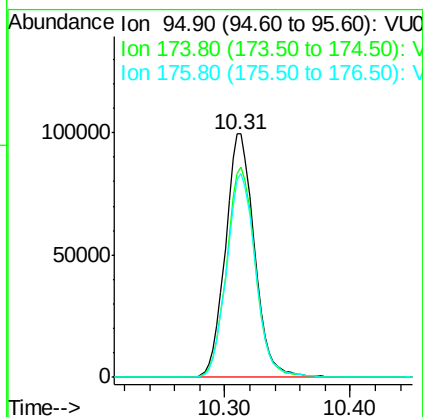
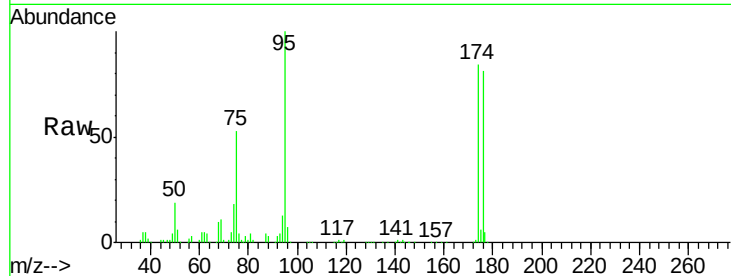




#62
4-Bromofluorobenzene
Concen: 43.490 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025190.D
Acq: 03 Jul 2018 14:52

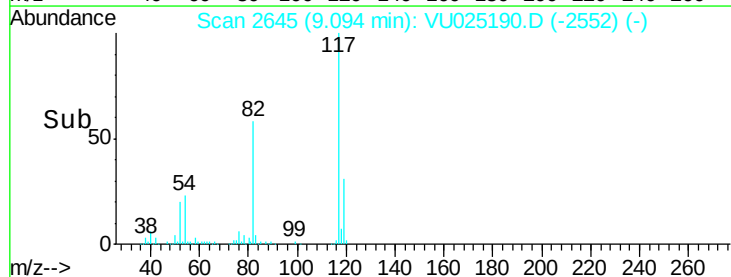
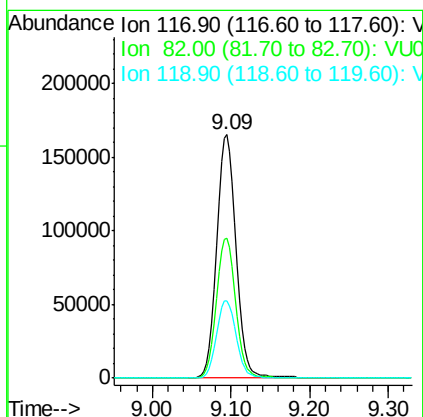
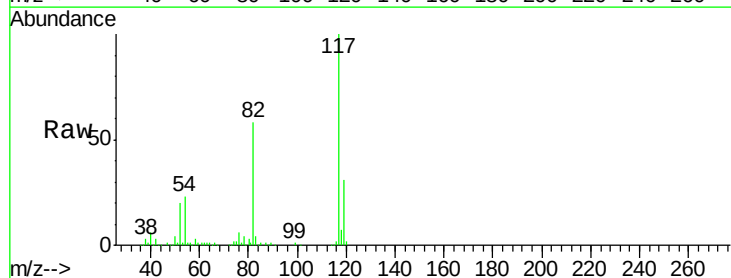
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627

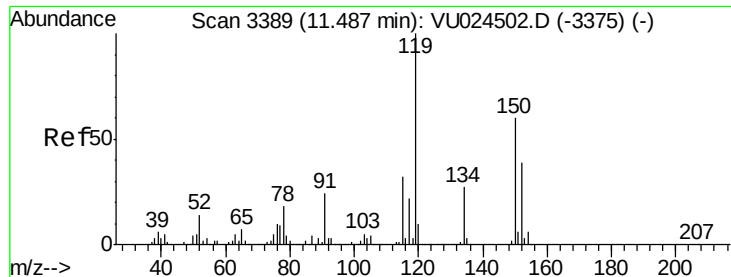
Tot Ion	95	Resp	159934
Ion Ratio	Lower	Upper	
95	100		
174	85.7	0.0	165.8
176	83.5	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025190.D
Acq: 03 Jul 2018 14:52

Tgt Ion	117	Resp	280485
Ion Ratio	Lower	Upper	
117	100		
82	57.7	44.3	66.5
119	31.5	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627

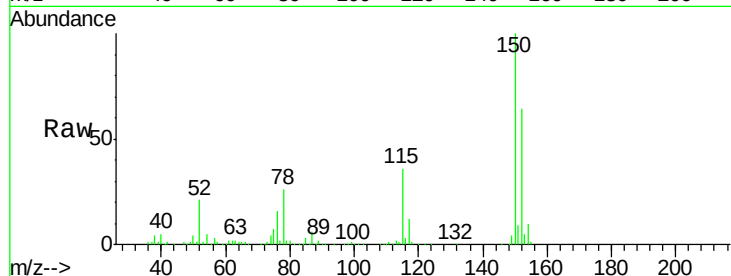
Tot Ion:152 Resp: 144580

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

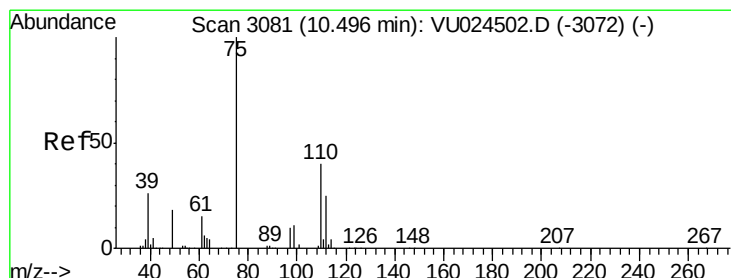
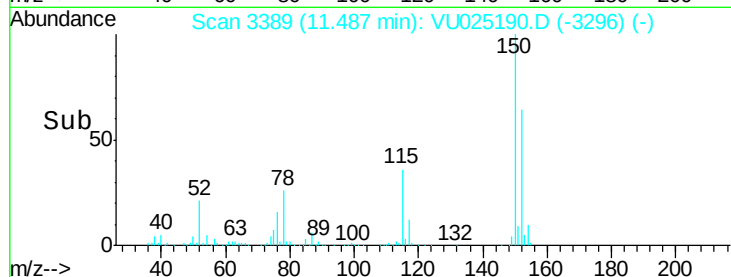
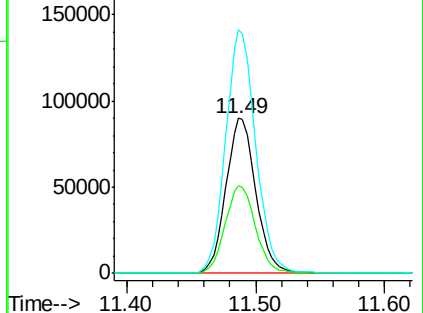
150 158.1 0.0 354.0



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: 26.483 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025190.D

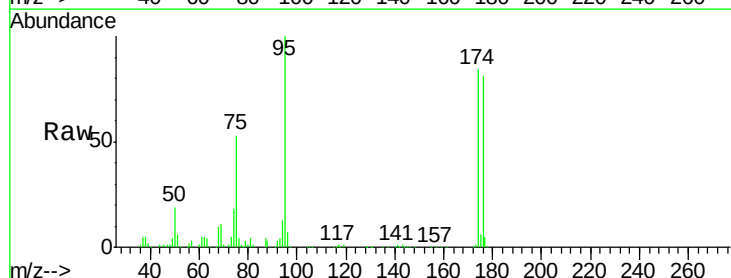
Acq: 03 Jul 2018 14:52

Tgt Ion: 75 Resp: 84300

Ion Ratio Lower Upper

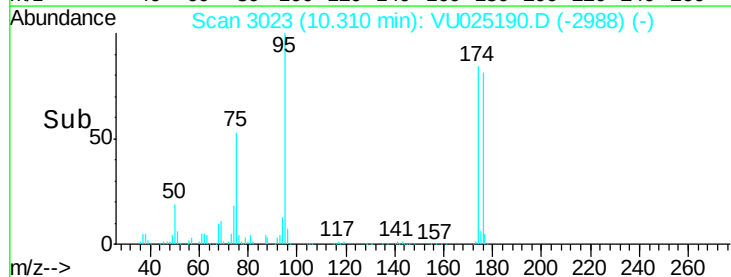
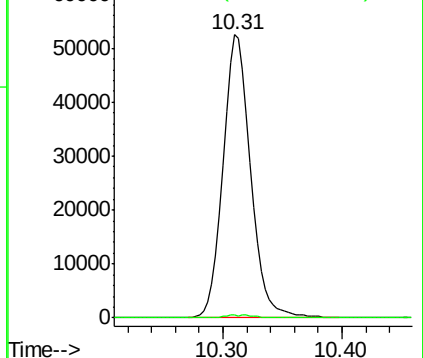
75 100

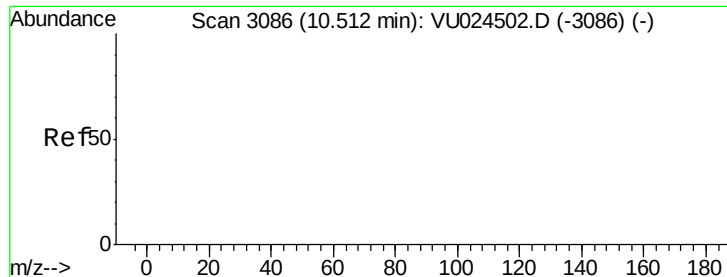
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

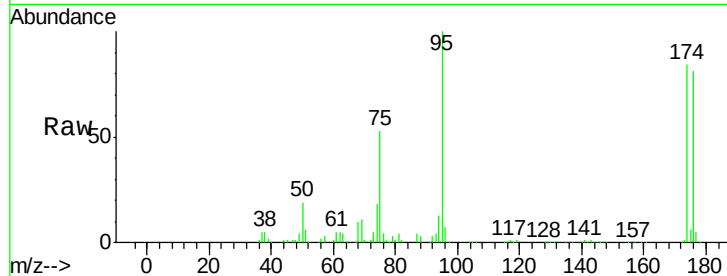




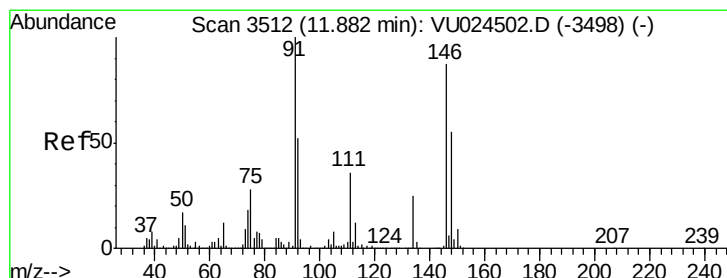
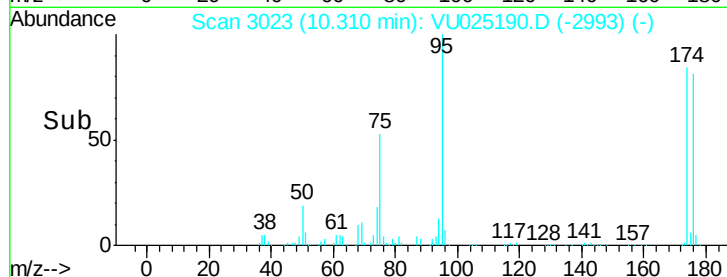
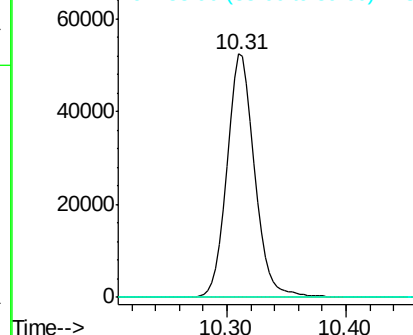
#81
trans-1,4-Dichloro-2-butene
Concen: 61.294 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025190.D
Acq: 03 Jul 2018 14:52

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627

Tot Ion: 75 Resp: 84300
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

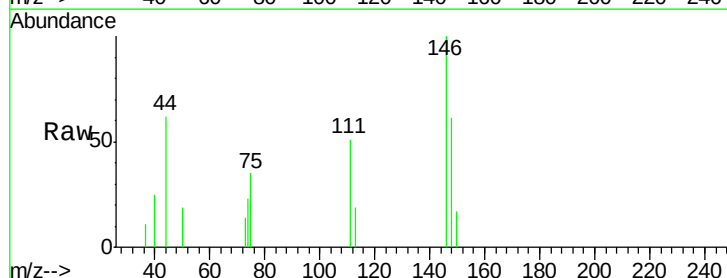


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

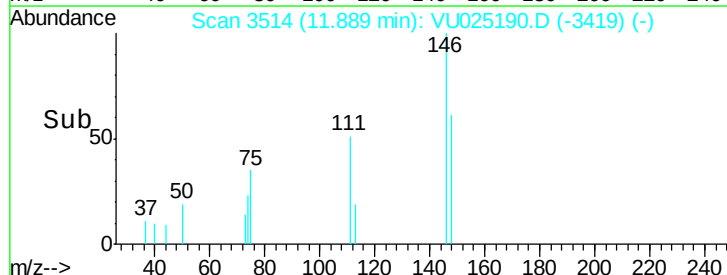
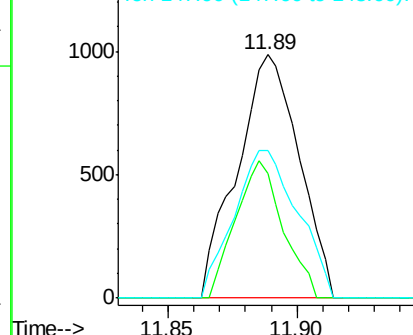


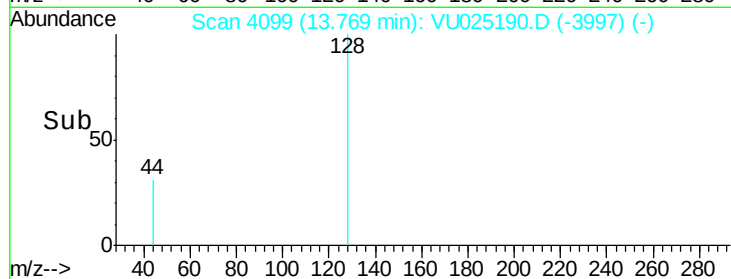
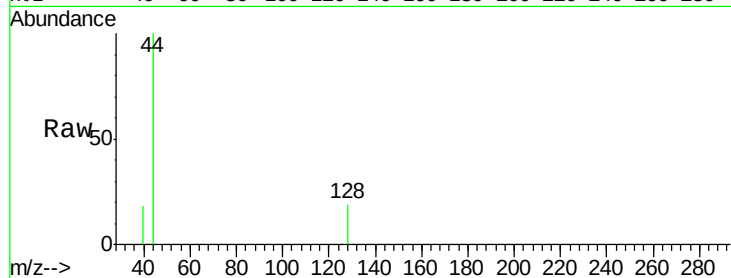
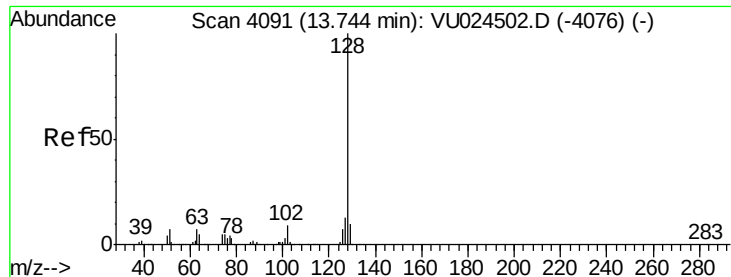
#91
1,2-Dichlorobenzene
Concen: 0.317 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU025190.D
Acq: 03 Jul 2018 14:52

Tgt Ion: 146 Resp: 1649
Ion Ratio Lower Upper
146 100
111 43.1 20.5 61.6
148 62.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 0.691 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025190.D

Acq: 03 Jul 2018 14:52

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627

Tot Ion:128 Resp: 122

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

