

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028596.D
 Acq On : 11 Dec 2018 10:06
 Operator : MD/SY
 Sample : J6314-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW303I2-20181207

Quant Time: Dec 11 11:42:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	92094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	60490	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	75451	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	57113	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	7.56	98	217270	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	10.31	95	72984	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

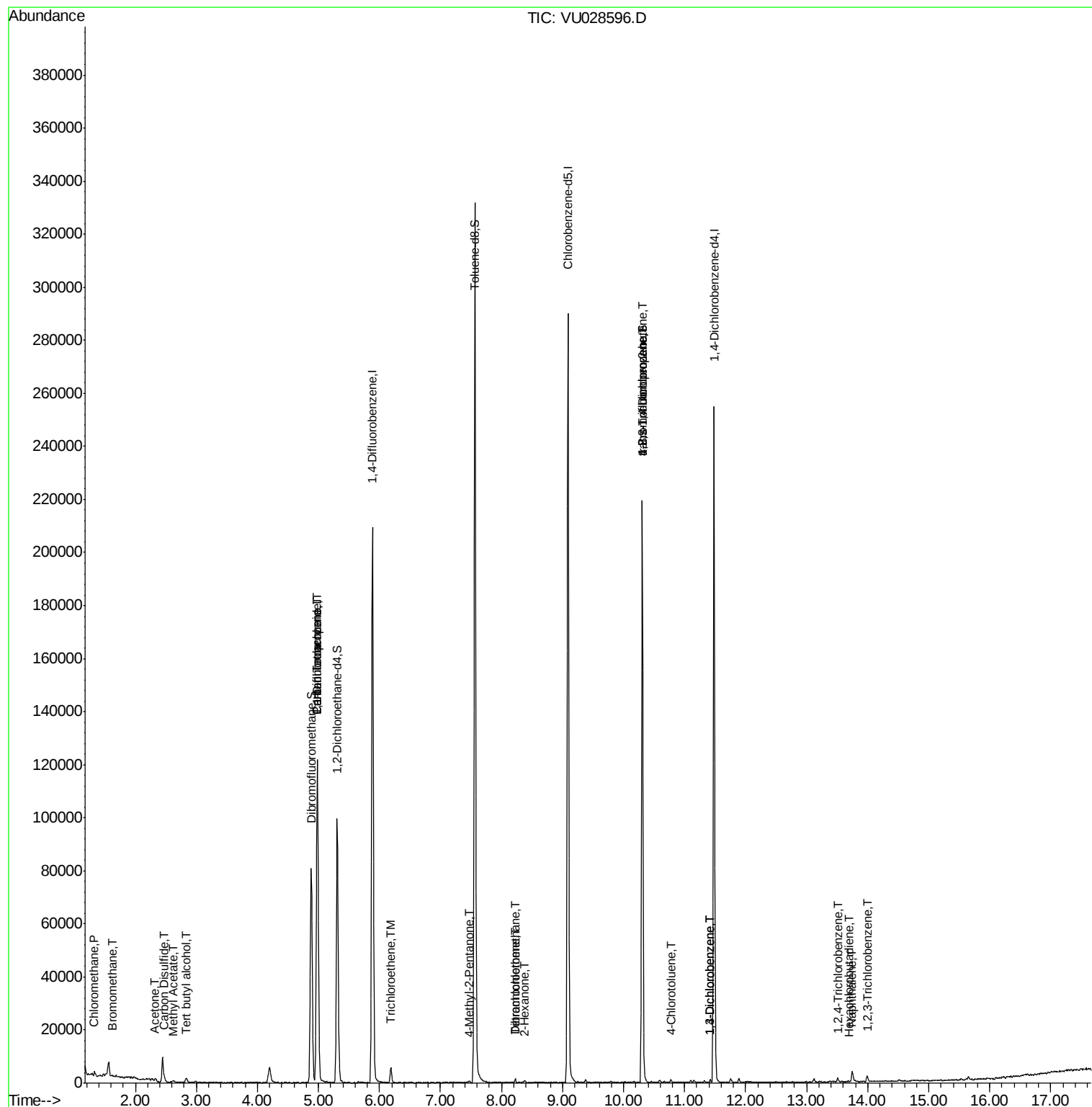
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1312	0.578	ug/l	92
5) Bromomethane	1.62	94	136	0.206	ug/l #	4
11) Tert butyl alcohol	2.83	59	710	2.267	ug/l #	73
16) Acetone	2.32	43	1504	1.640	ug/l #	80
17) Carbon Disulfide	2.48	76	1972	0.534	ug/l #	93
18) Methyl Acetate	2.62	43	1310	0.551	ug/l #	68
31) Cyclohexane	4.98	56	2414	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7950	4.292	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9250	6.196	ug/l #	15
44) Trichloroethene	6.19	130	2041	1.683	ug/l	91
51) 4-Methyl-2-Pentanone	7.47	43	697	0.292	ug/l #	78
59) 2-Hexanone	8.38	43	924	0.488	ug/l	80
60) Dibromochloromethane	8.22	129	300	0.241	ug/l #	10
64) Tetrachloroethene	8.23	164	261	0.255	ug/l #	77
76) 1,2,3-Trichloropropane	10.31	75	38185	24.721	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	38185	60.669	ug/l #	100
82) 4-Chlorotoluene	10.77	91	897	0.228	ug/l #	72
87) 1,3-Dichlorobenzene	11.42	146	582	0.284	ug/l	81
88) 1,4-Dichlorobenzene	11.42	146	582	0.274	ug/l	82
93) 1,2,4-Trichlorobenzene	13.51	180	835	1.426	ug/l	78
94) Hexachlorobutadiene	13.70	225	153	0.228	ug/l #	20
95) Naphthalene	13.75	128	5024	1.021	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.99	180	1086	0.919	ug/l	89

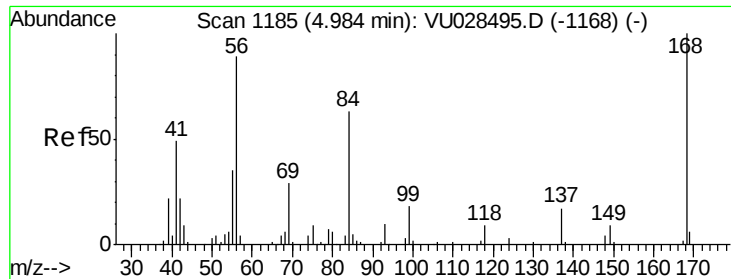
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028596.D
Acq On : 11 Dec 2018 10:06
Operator : MD/SY
Sample : J6314-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

Quant Time: Dec 11 11:42:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

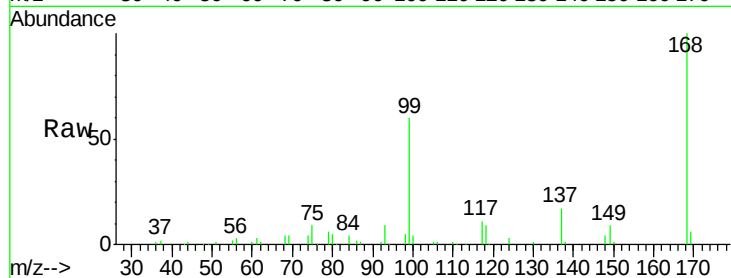
BPS1-TT-MW303I2-20181207

Tot Ion:168 Resp: 92094

Ion Ratio Lower Upper

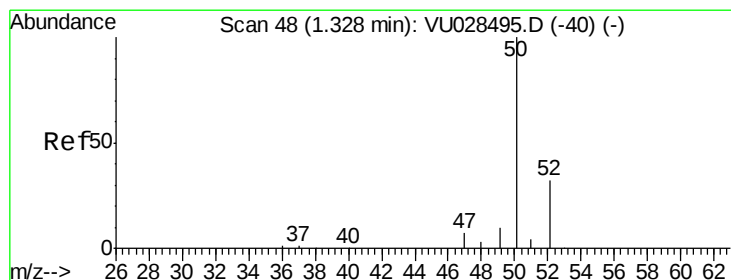
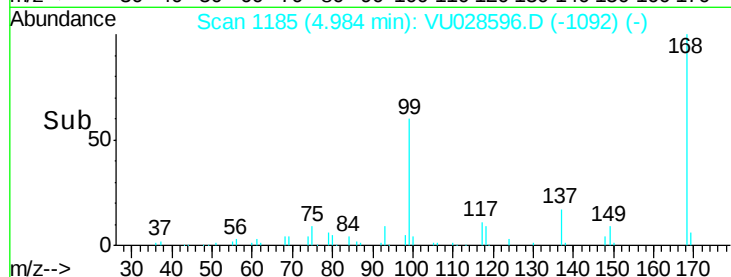
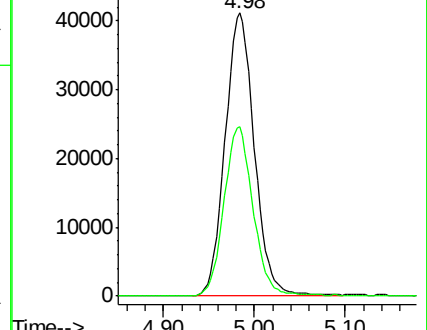
168 100

99 59.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028596.D (-1092) (-)



#3

Chloromethane

Concen: 0.578 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028596.D

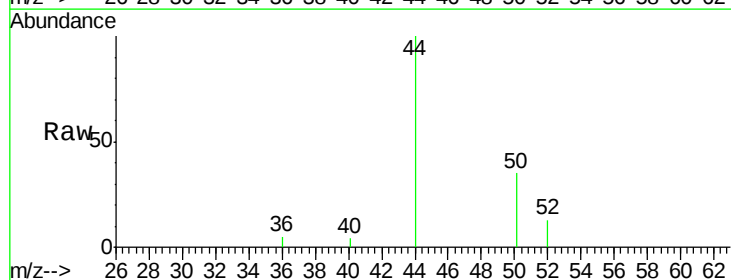
Acq: 11 Dec 2018 10:06

Tgt Ion: 50 Resp: 1312

Ion Ratio Lower Upper

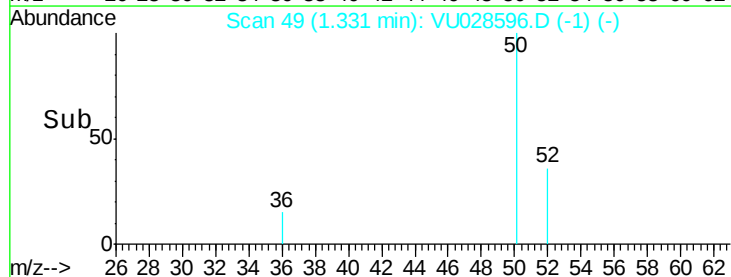
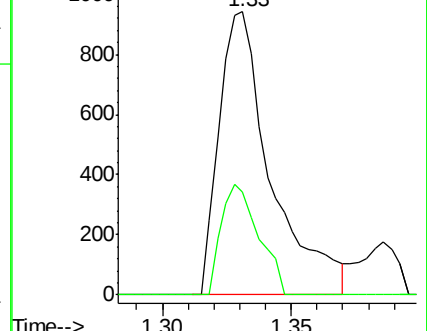
50 100

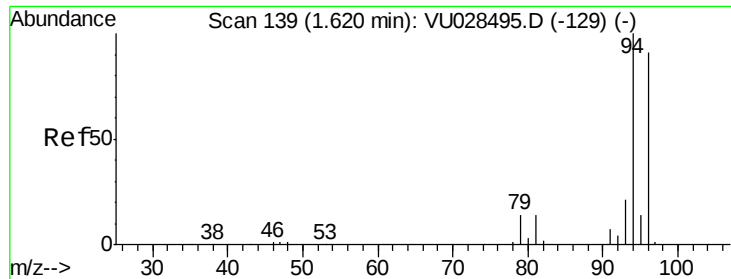
52 36.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028596.D (-1) (-)





#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

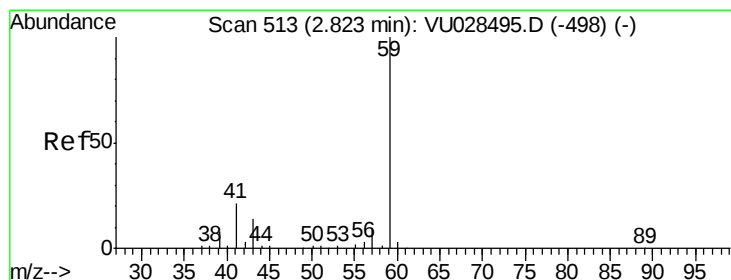
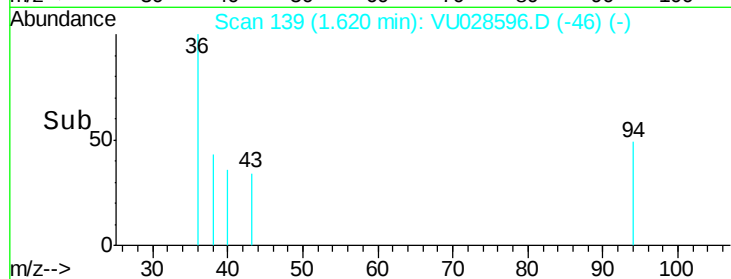
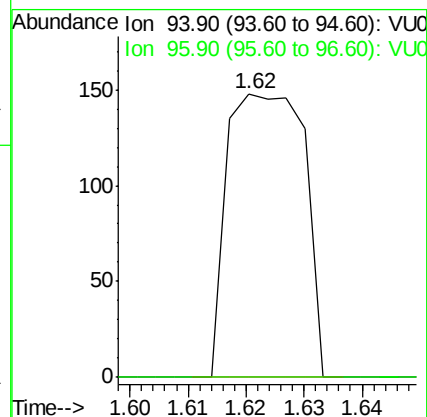
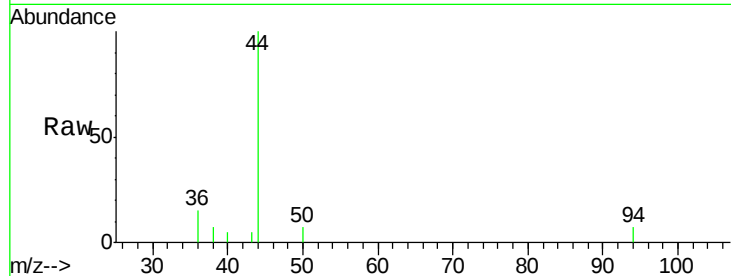
BPS1-TT-MW303I2-20181207

Tot Ion: 94 Resp: 136

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



#11

Tert butyl alcohol

Concen: 2.267 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU028596.D

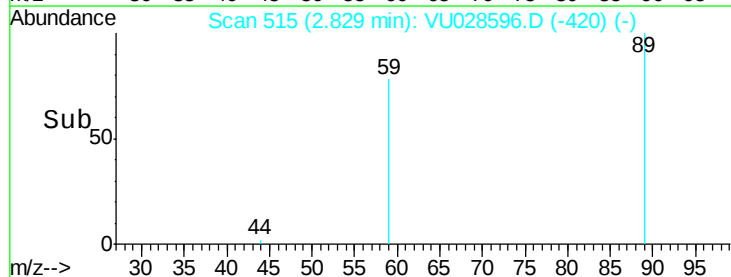
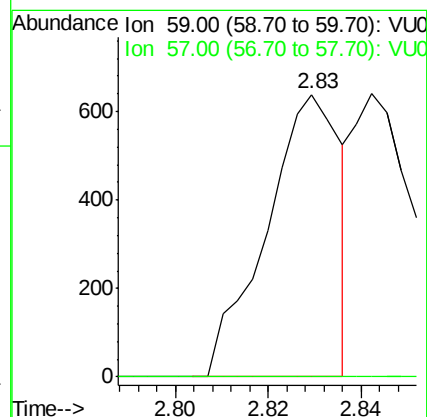
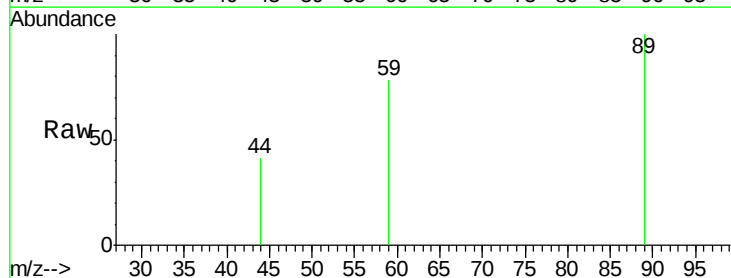
Acq: 11 Dec 2018 10:06

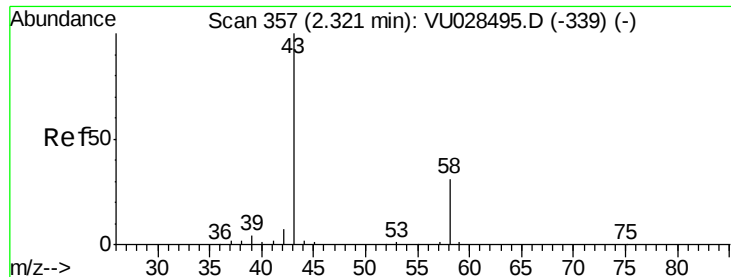
Tgt Ion: 59 Resp: 710

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 1.640 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

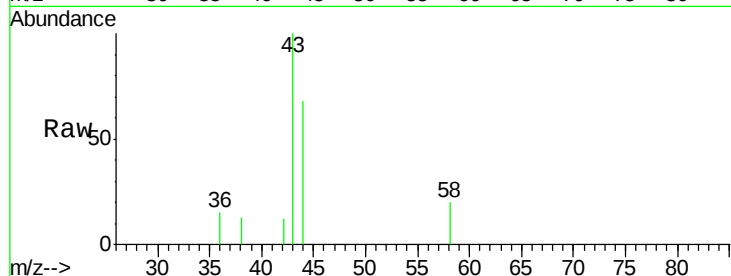
BPS1-TT-MW303I2-20181207

Tot Ion: 43 Resp: 1504

Ion Ratio Lower Upper

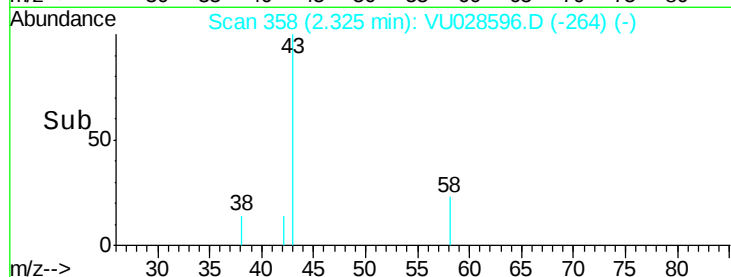
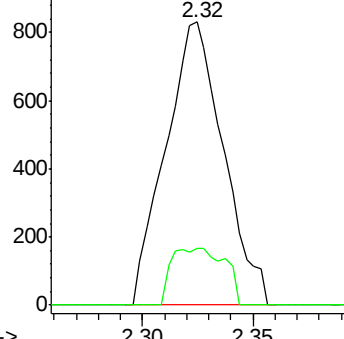
43 100

58 20.1 24.6 37.0#

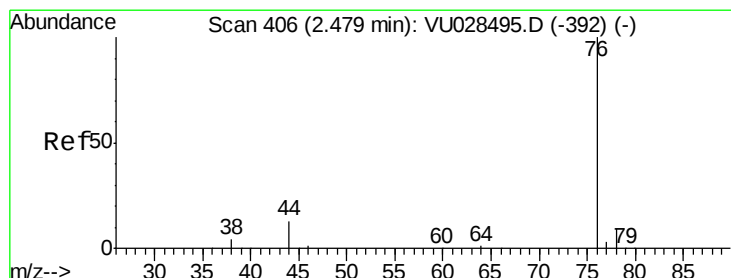


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#17

Carbon Disulfide

Concen: 0.534 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028596.D

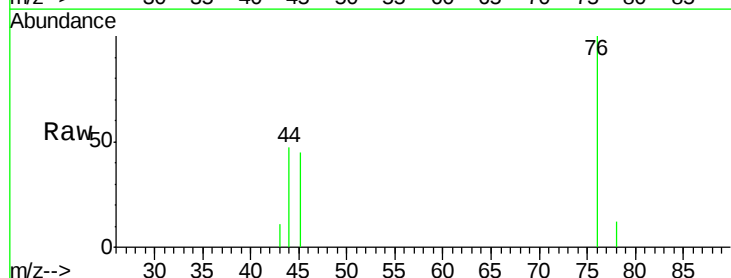
Acq: 11 Dec 2018 10:06

Tgt Ion: 76 Resp: 1972

Ion Ratio Lower Upper

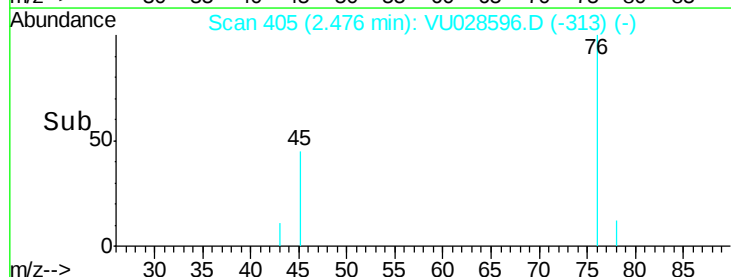
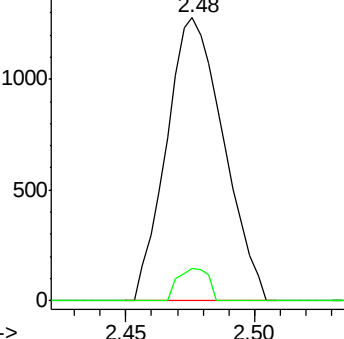
76 100

78 11.6 7.2 10.8#

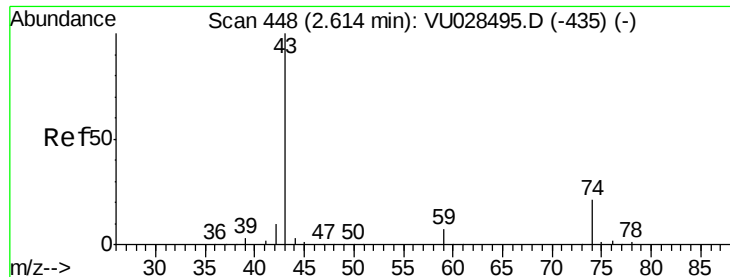


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



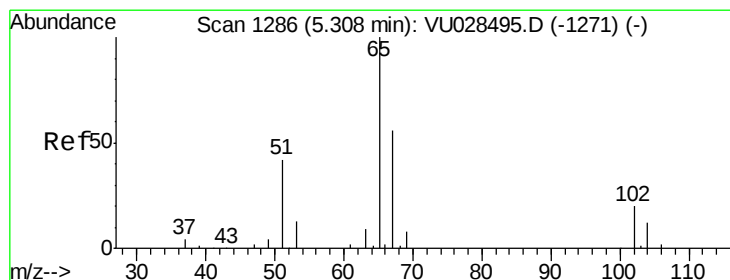
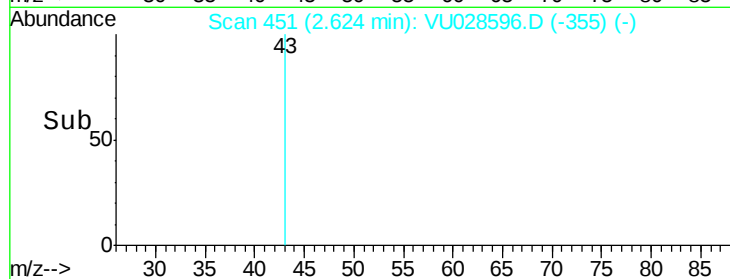
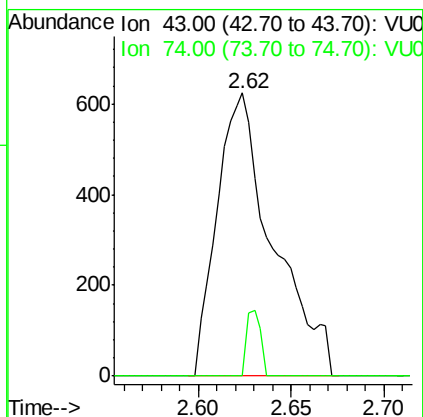
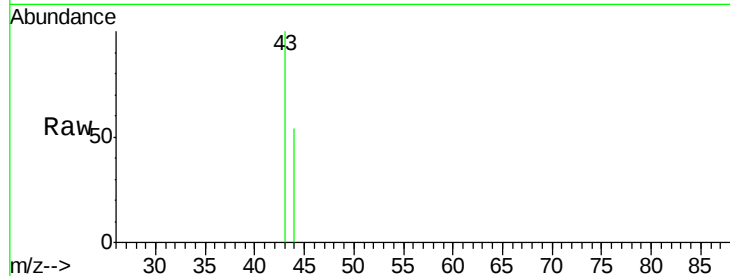
Time-->



#18
Methvl Acetate
Concen: 0.551 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

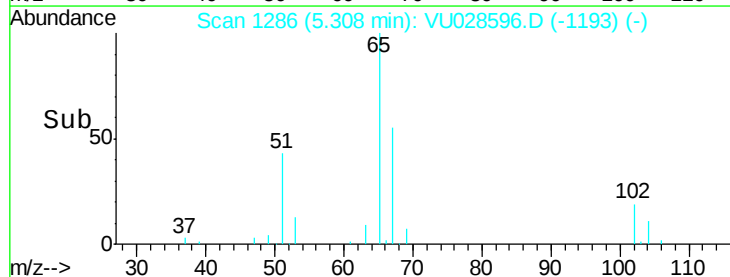
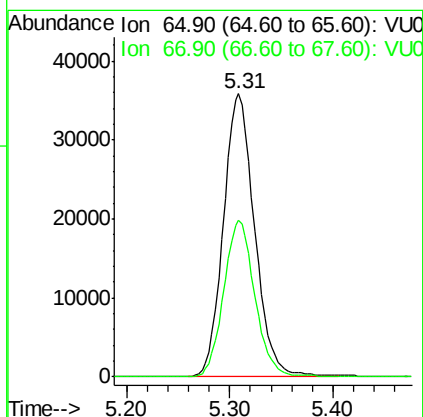
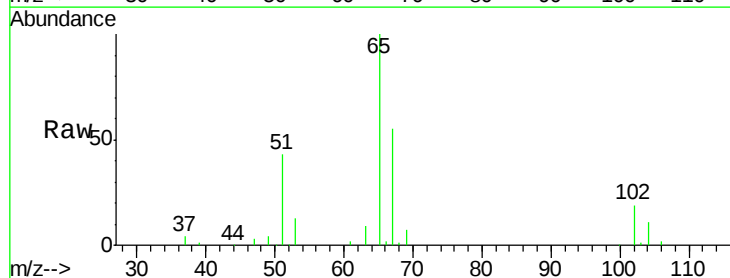
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

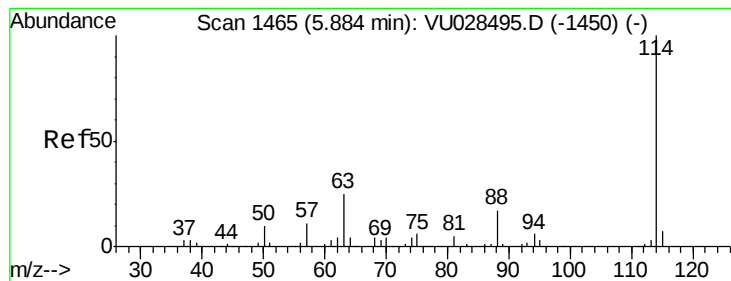
Tot Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
74 5.7 16.4 24.6#



#33
1,2-Dichloroethane-d4
Concen: 53.686 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Tgt Ion: 65 Resp: 75451
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW303I2-20181207

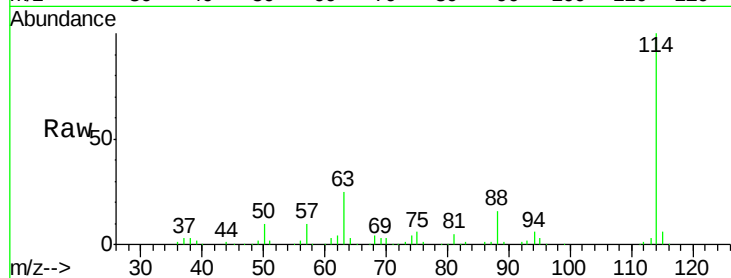
Tot Ion:114 Resp: 169269

Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

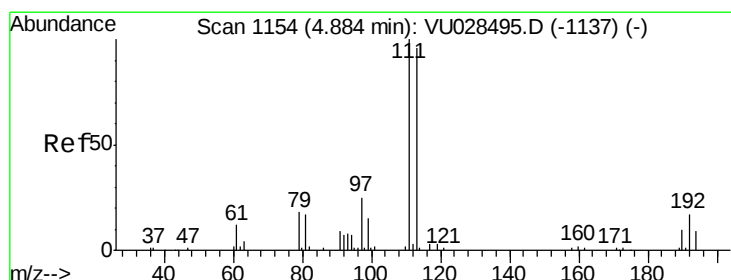
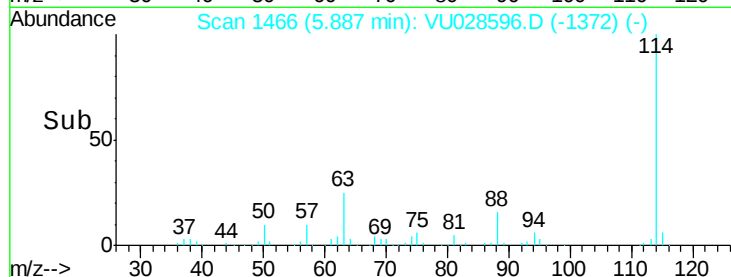
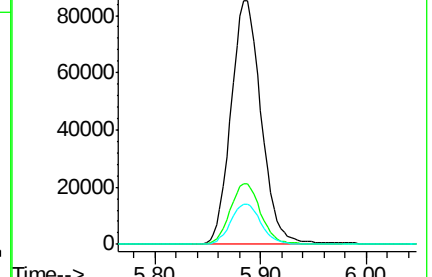
88 16.5 0.0 33.4



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: 53.616 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

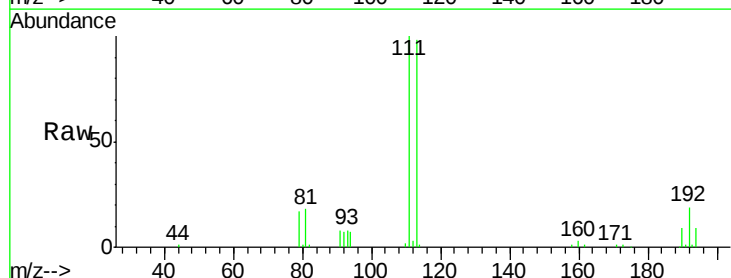
Tgt Ion:113 Resp: 57113

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.0

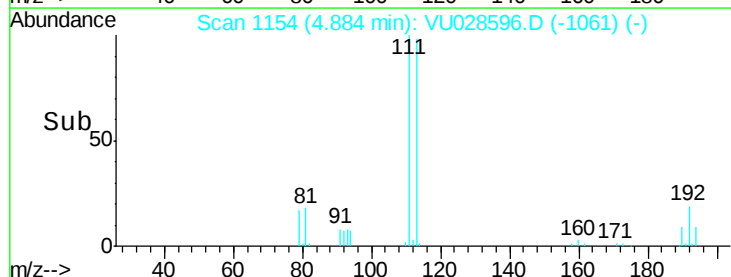
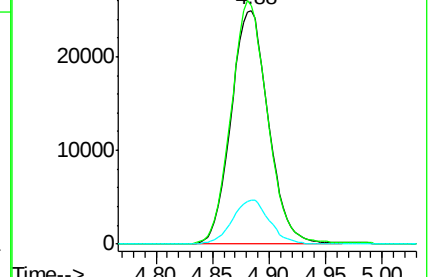
192 18.7 14.8 22.2

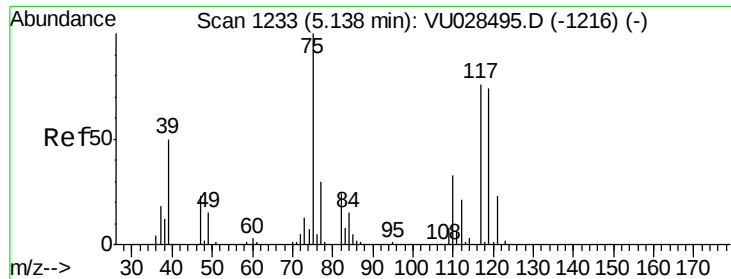


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

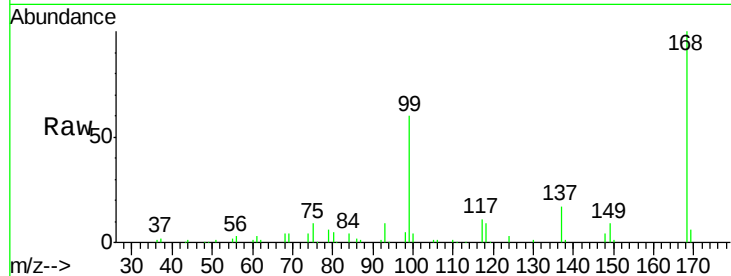




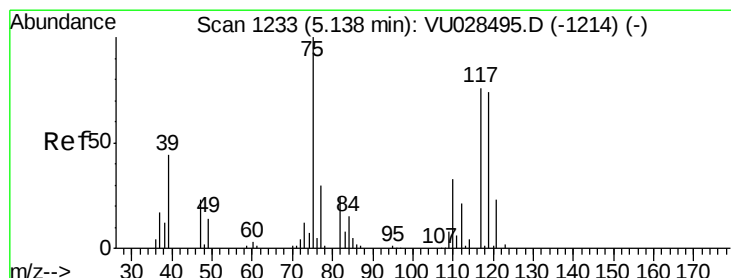
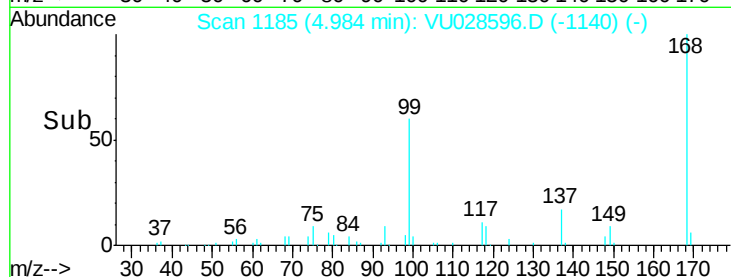
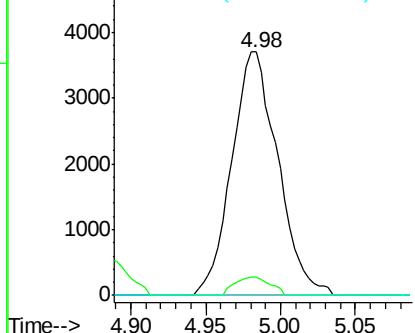
#36
 1,1-Dichloropropene
 Concen: 4.292 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028596.D
 Acq: 11 Dec 2018 10:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW303I2-20181207

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.1	48.2#
77	0.0	24.5	36.7#

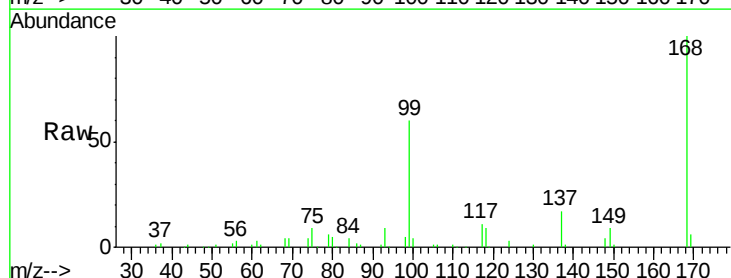


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

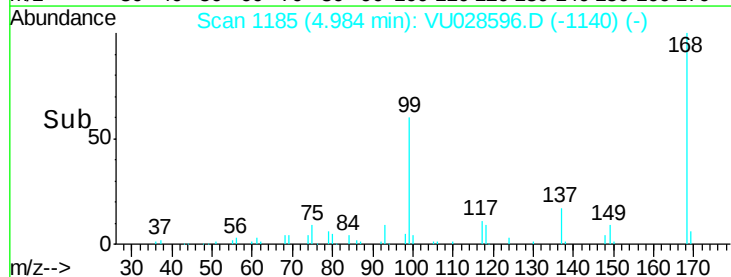
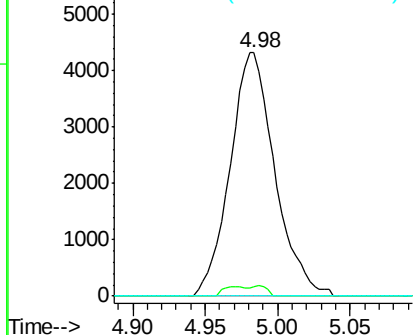


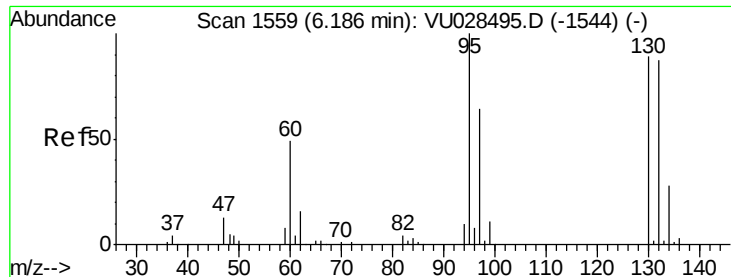
#38
 Carbon Tetrachloride
 Concen: 6.196 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028596.D
 Acq: 11 Dec 2018 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.6	116.4#
121	0.0	24.6	36.8#



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





#44

Trichloroethene

Concen: 1.683 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

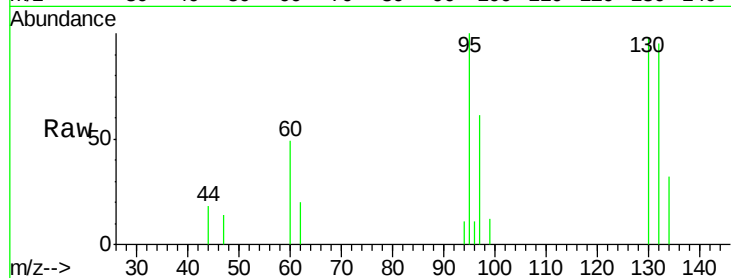
BPS1-TT-MW303I2-20181207

Tot Ion:130 Resp: 2041

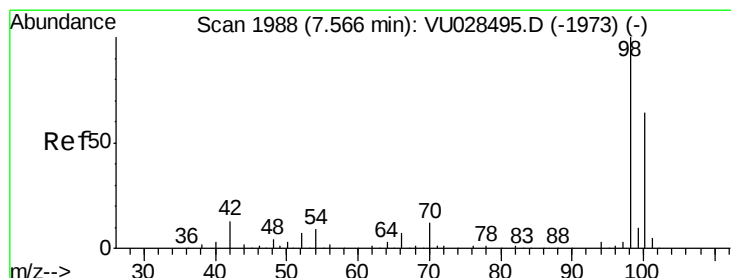
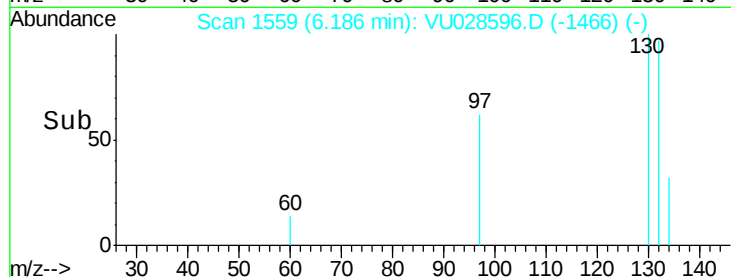
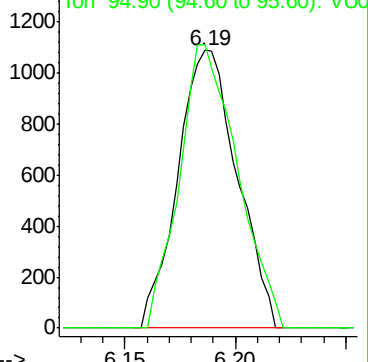
Ion Ratio Lower Upper

130 100

95 101.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)



#50

Toluene-d8

Concen: 51.561 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028596.D

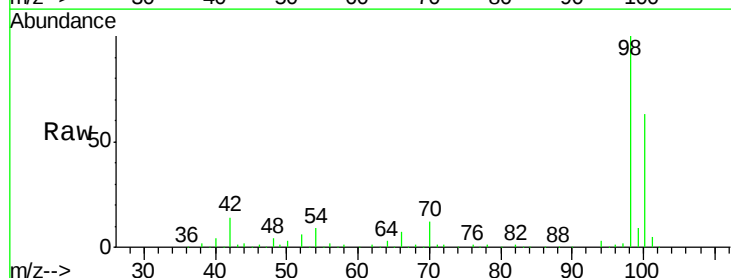
Acq: 11 Dec 2018 10:06

Tgt Ion: 98 Resp: 217270

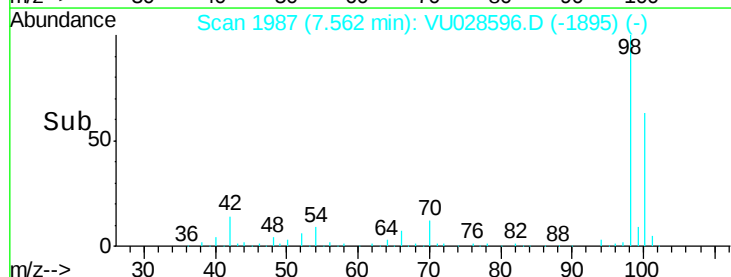
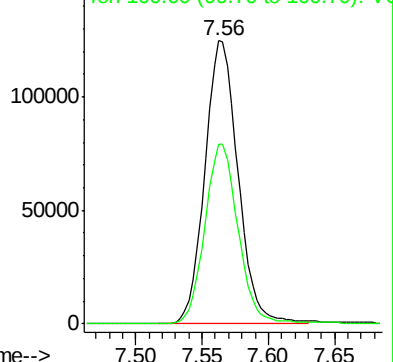
Ion Ratio Lower Upper

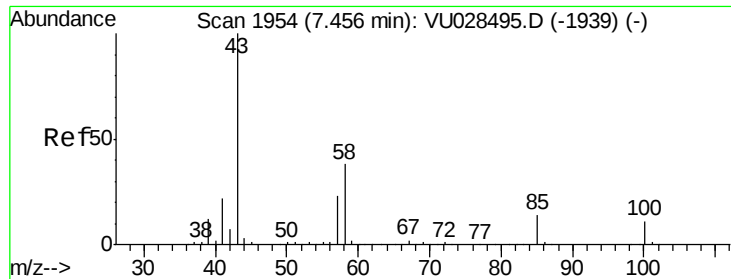
98 100

100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.292 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

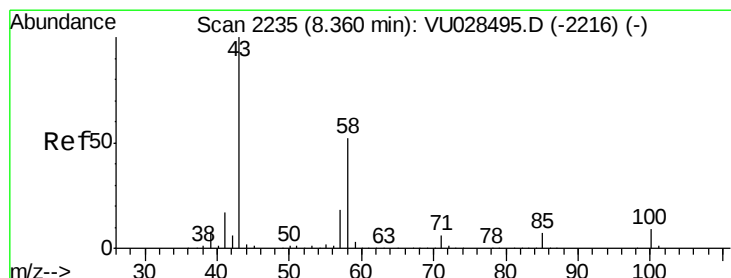
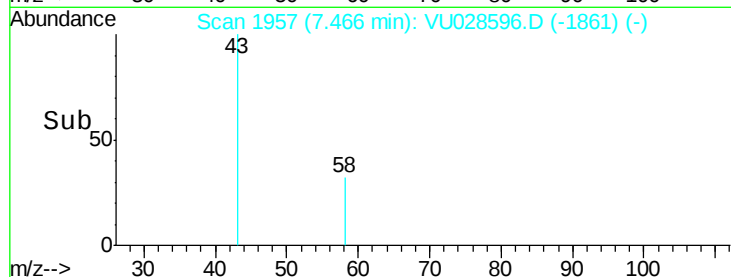
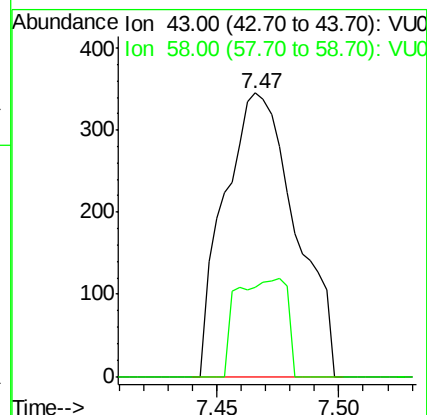
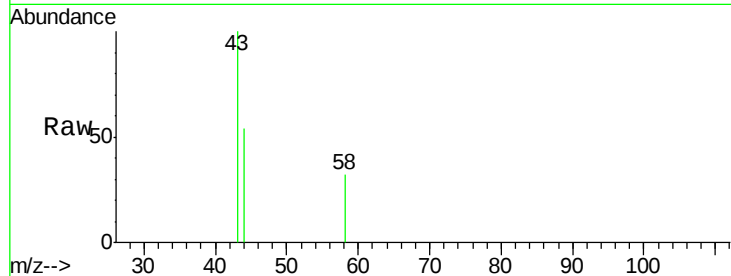
BPS1-TT-MW30312-20181207

Tot Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 24.5 30.2 45.2#



#59

2-Hexanone

Concen: 0.488 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.02 min

Lab File: VU028596.D

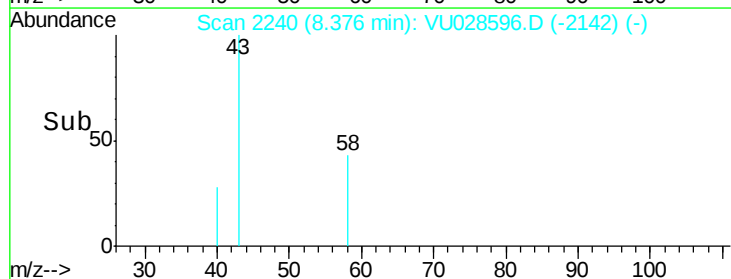
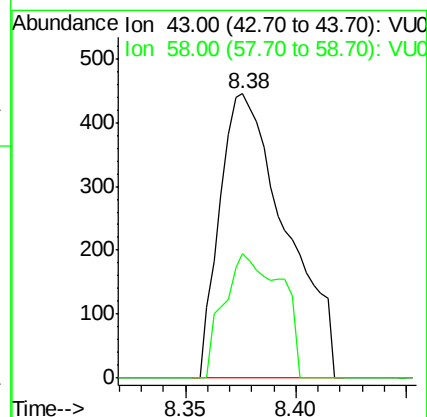
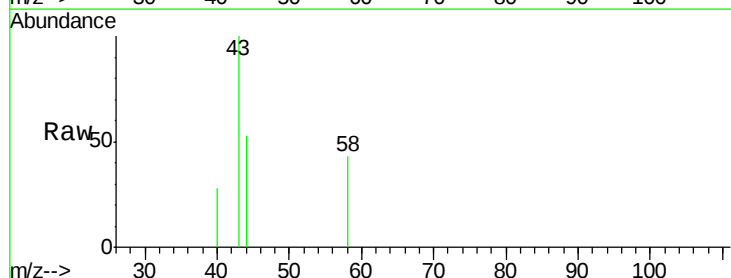
Acq: 11 Dec 2018 10:06

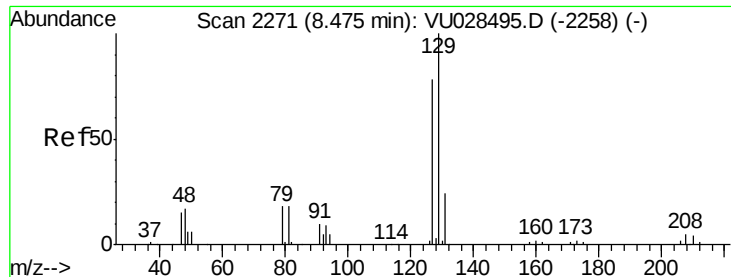
Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 37.6 25.9 77.6

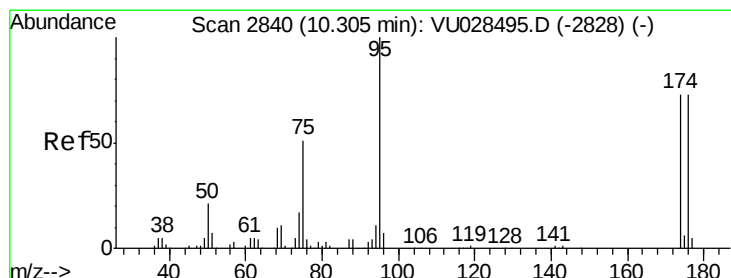
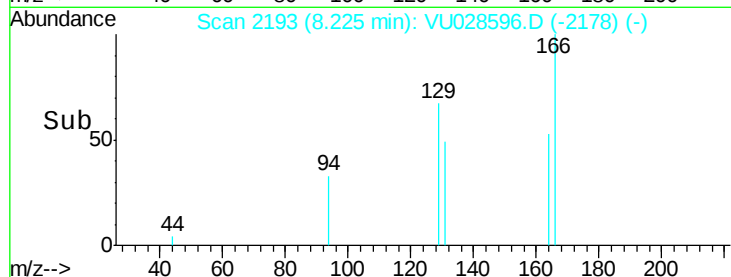
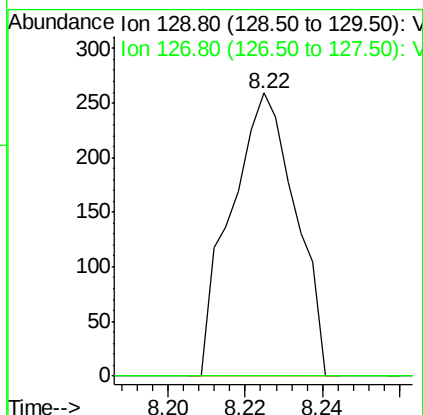
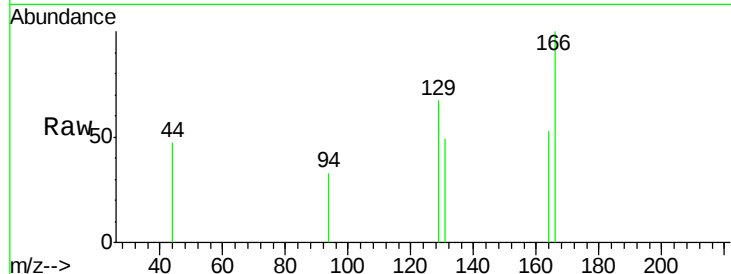




#60
Dibromochloromethane
Concen: 0.241 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

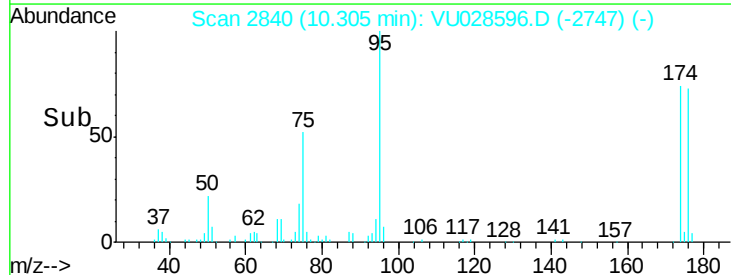
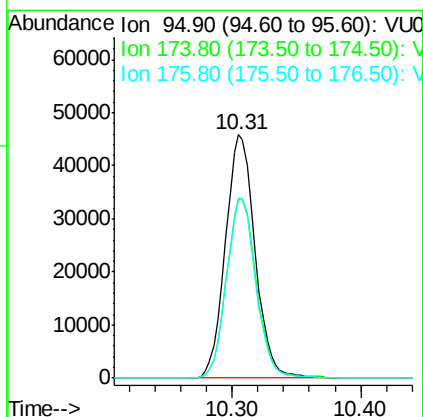
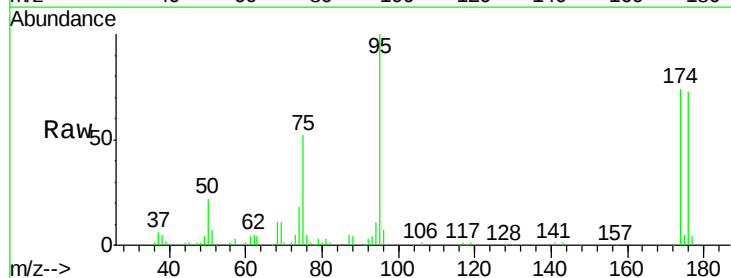
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

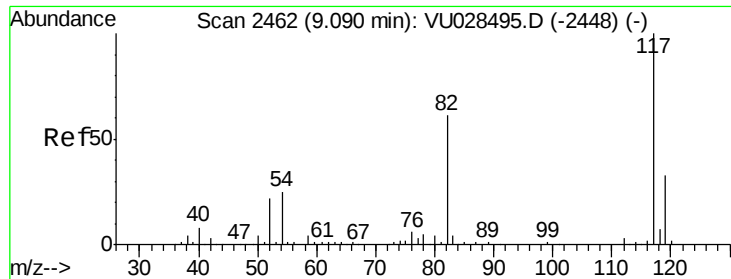
Tot Ion:129 Resp: 300
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#



#62
4-Bromofluorobenzene
Concen: 46.340 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Tgt Ion: 95 Resp: 72984
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.4
176 73.0 0.0 145.2

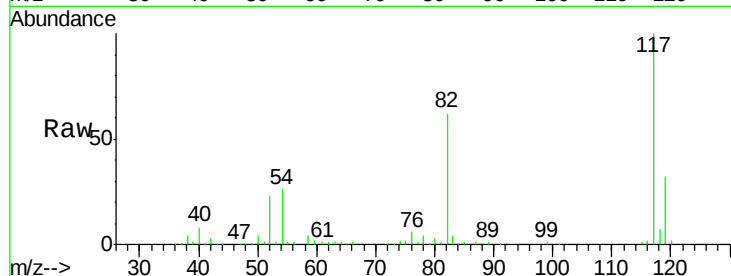




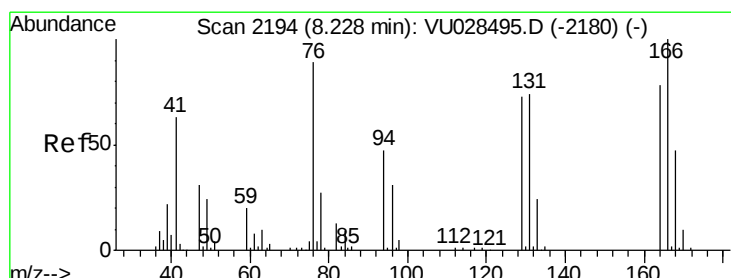
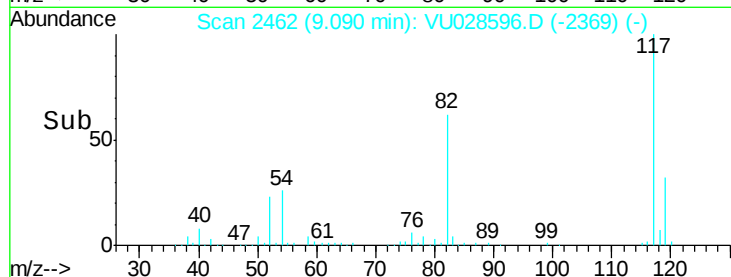
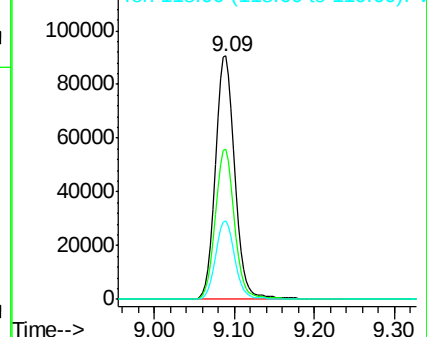
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

Tot Ion:117 Resp: 153686
Ion Ratio Lower Upper
117 100
82 61.8 48.9 73.3
119 32.3 26.2 39.4

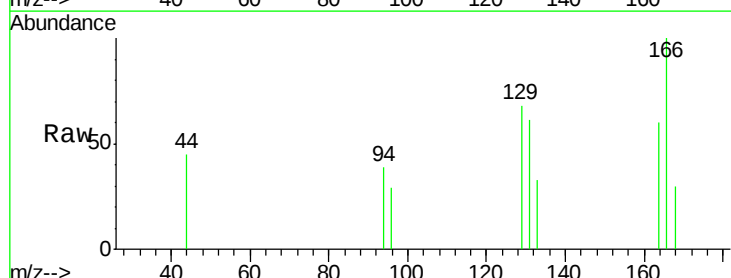


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

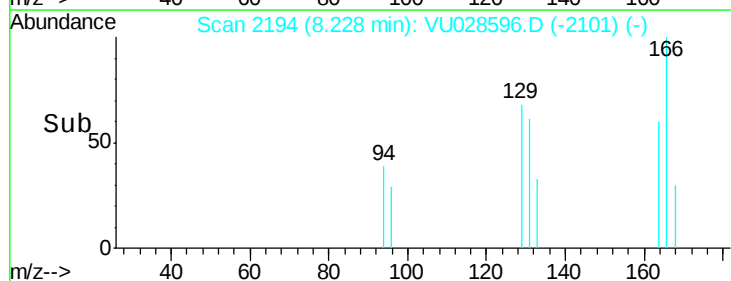
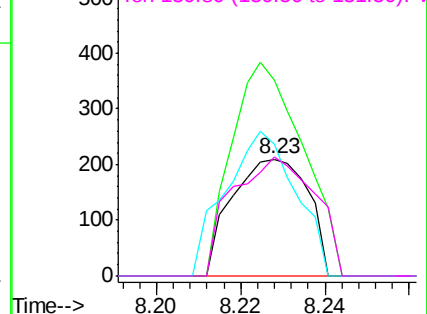


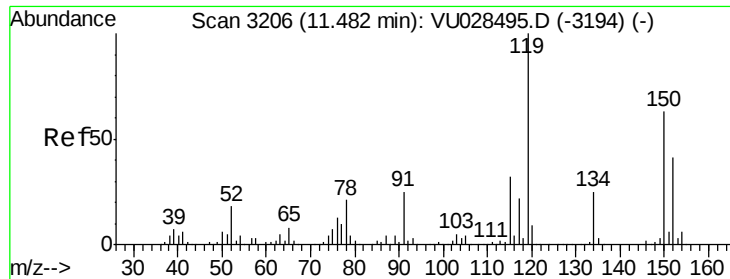
#64
Tetrachloroethene
Concen: 0.255 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Tgt Ion:164 Resp: 261
Ion Ratio Lower Upper
164 100
166 167.9 101.9 152.9#
129 113.4 74.9 112.3#
131 102.4 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW303I2-20181207

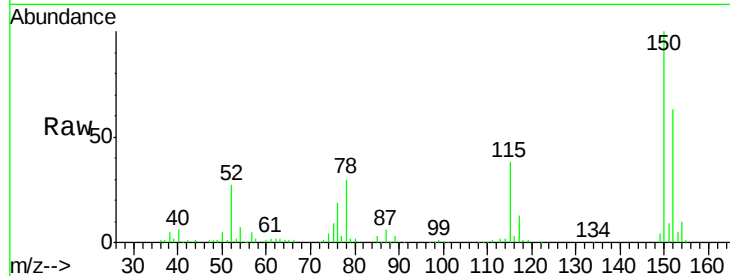
Tot Ion:152 Resp: 60490

Ion Ratio Lower Upper

152 100

115 61.1 42.7 128.1

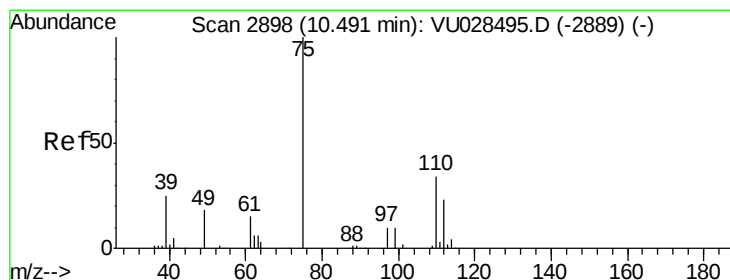
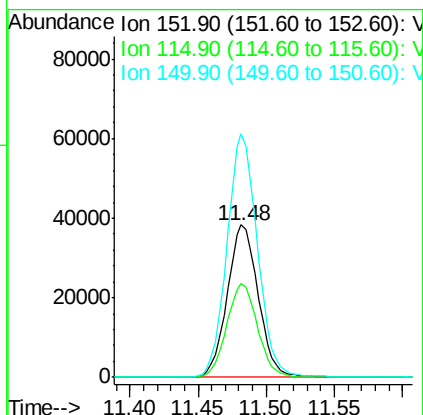
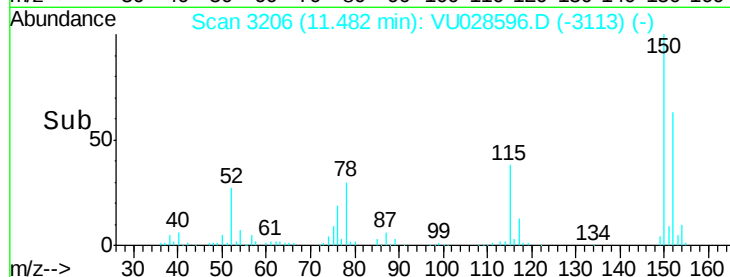
150 157.7 0.0 346.0



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: 24.721 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028596.D

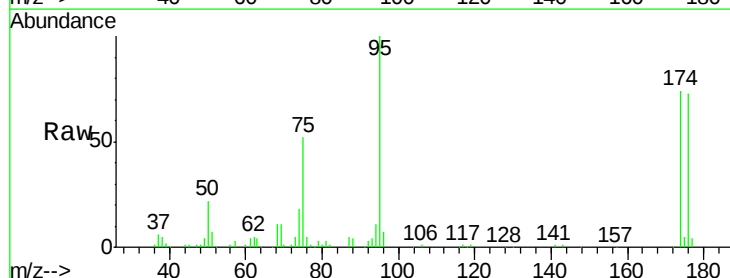
Acq: 11 Dec 2018 10:06

Tgt Ion: 75 Resp: 38185

Ion Ratio Lower Upper

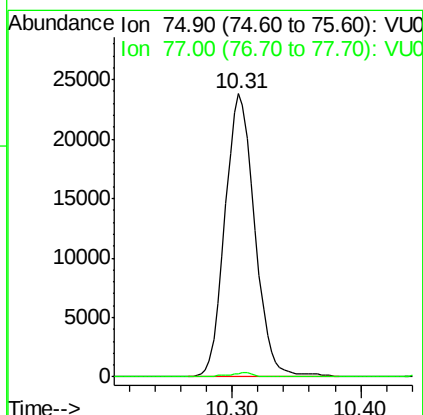
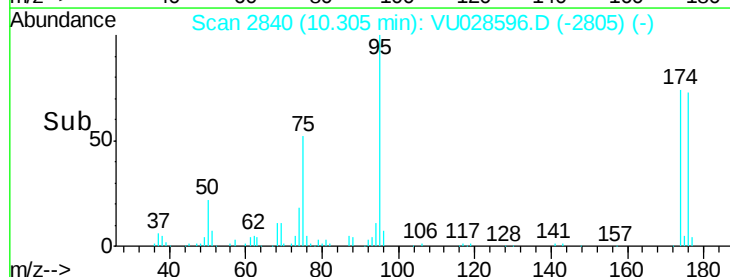
75 100

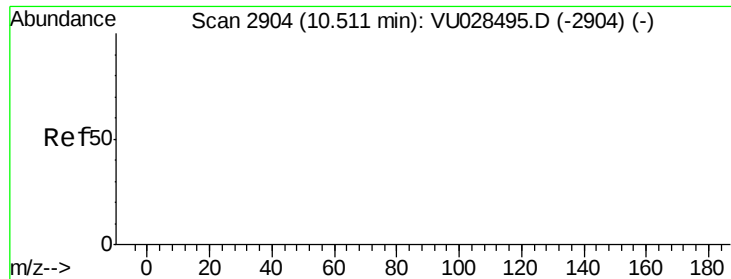
77 1.1 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

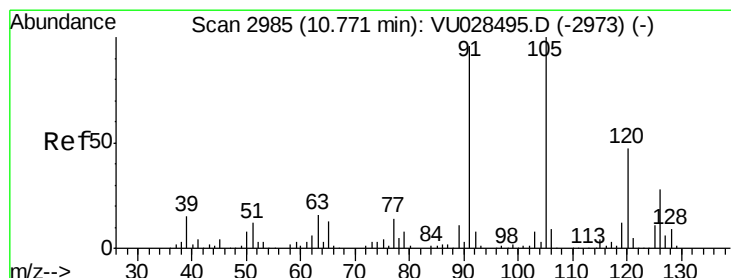
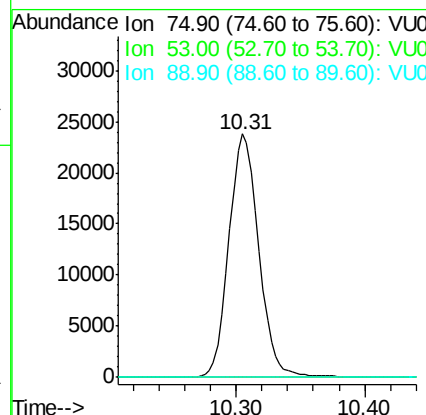
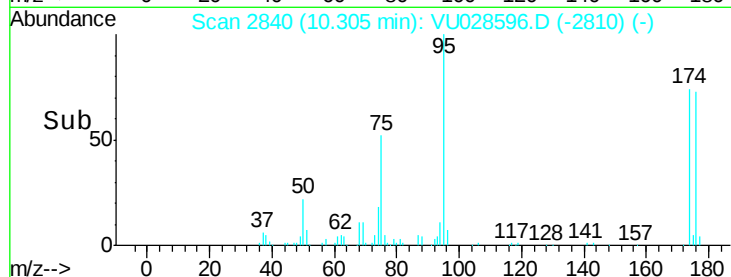
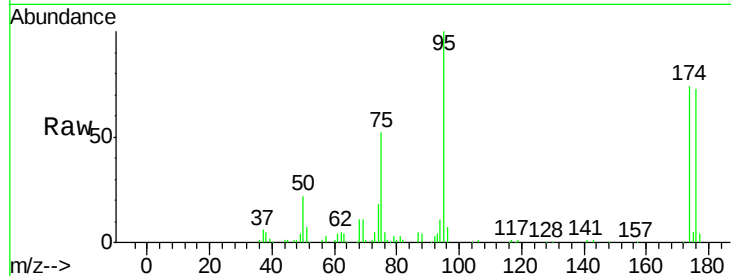




#81
trans-1,4-Dichloro-2-butene
Concen: 60.669 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

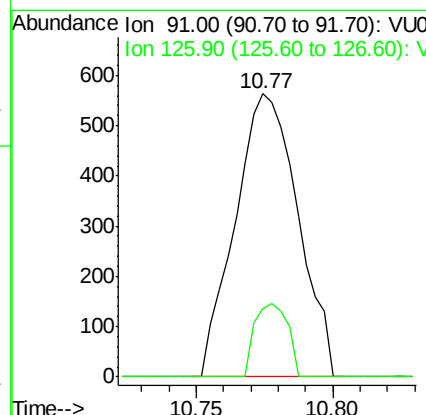
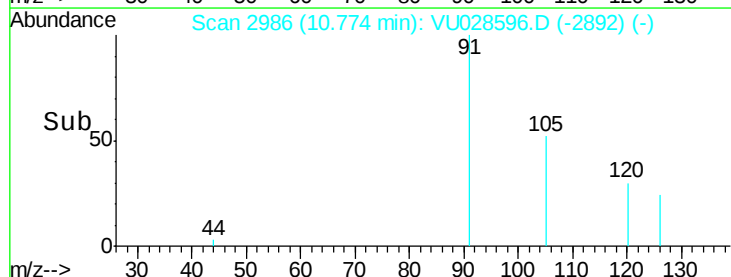
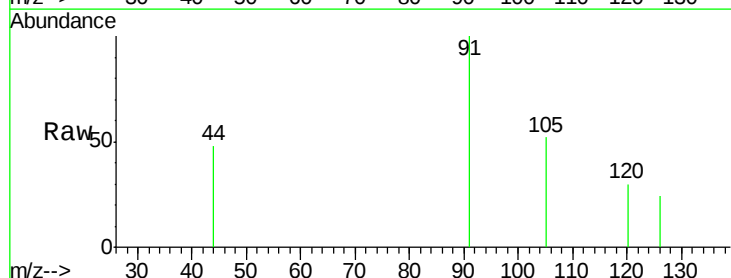
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

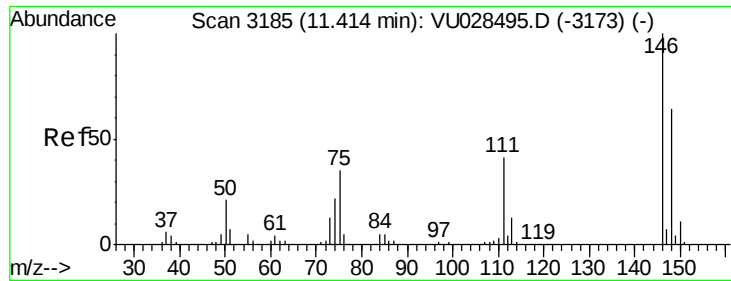
Tot Ion: 75 Resp: 38185
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 0.228 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Tgt Ion: 91 Resp: 897
Ion Ratio Lower Upper
91 100
126 13.4 14.1 42.3#





#87

1,3-Dichlorobenzene

Concen: 0.284 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW303I2-20181207

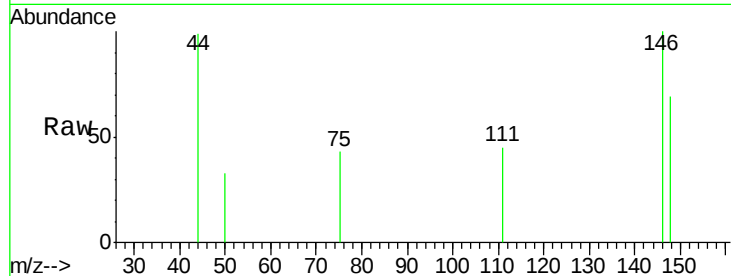
Tot Ion:146 Resp: 582

Ion Ratio Lower Upper

146 100

111 28.7 20.7 62.1

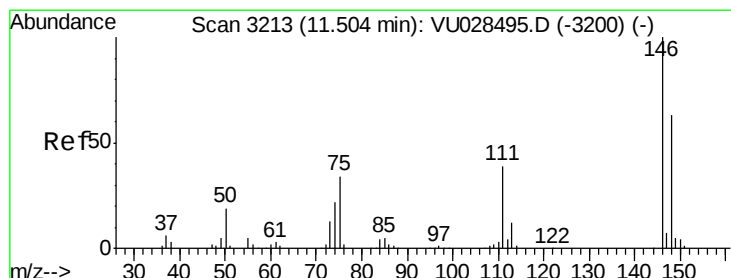
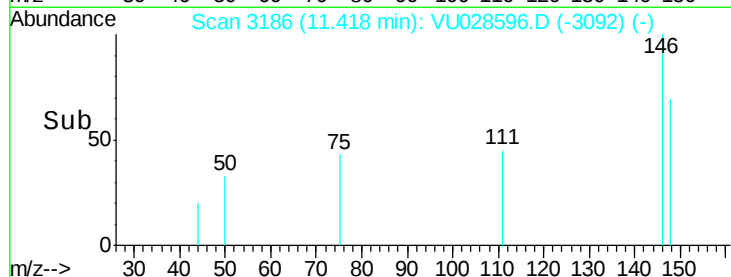
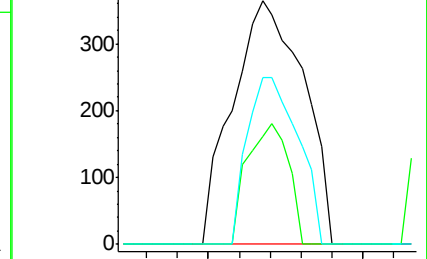
148 49.1 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 0.274 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.09 min

Lab File: VU028596.D

Acq: 11 Dec 2018 10:06

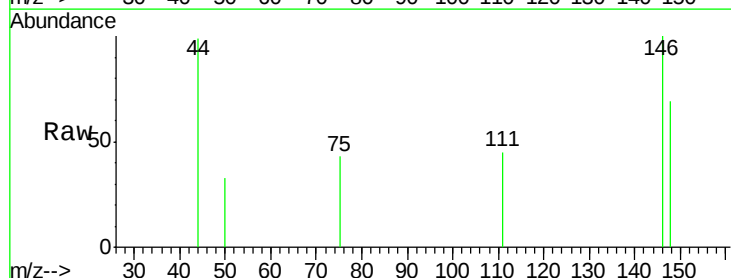
Tgt Ion:146 Resp: 582

Ion Ratio Lower Upper

146 100

111 28.7 20.2 60.5

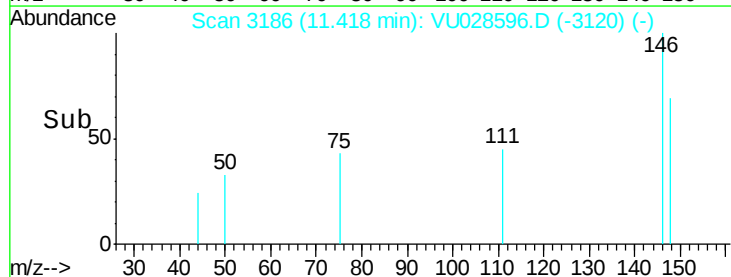
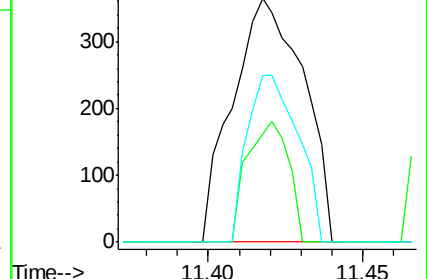
148 49.1 31.6 95.0

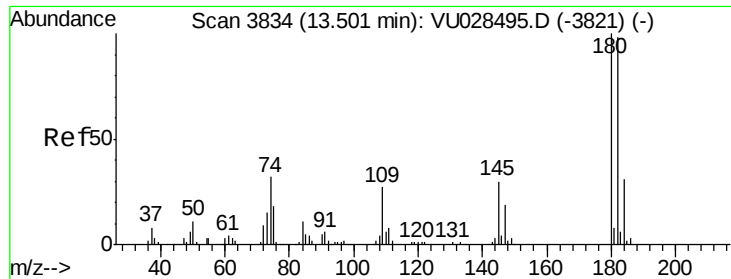


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

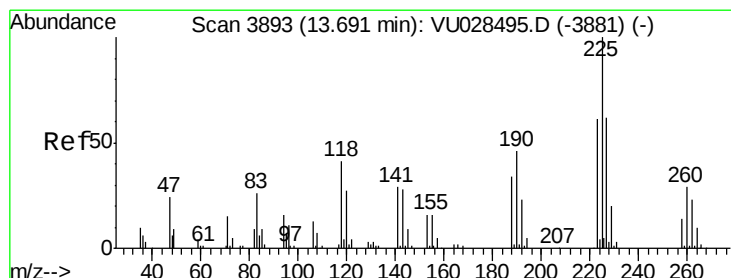
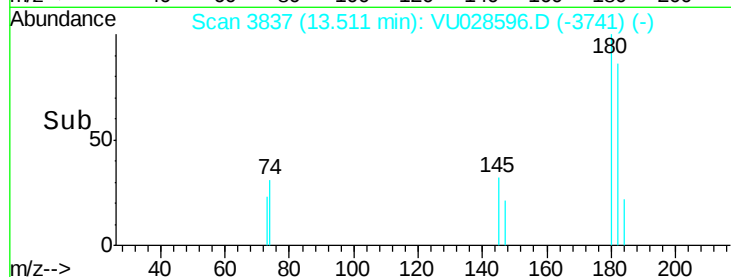
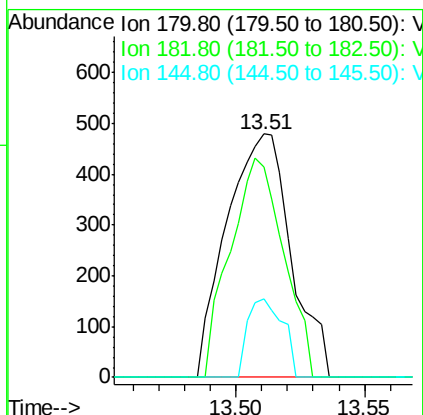
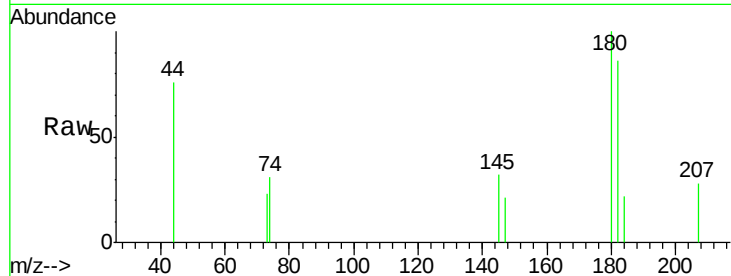




#93
 1,2,4-Trichlorobenzene
 Concen: 1.426 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU028596.D
 Acq: 11 Dec 2018 10:06

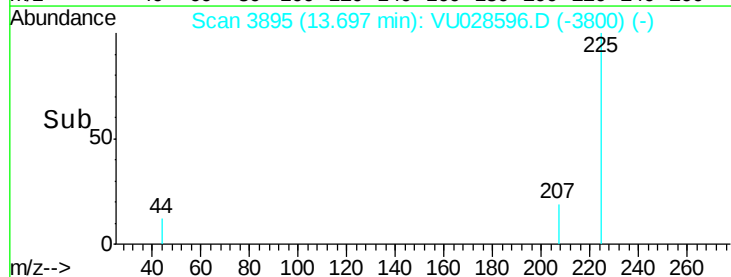
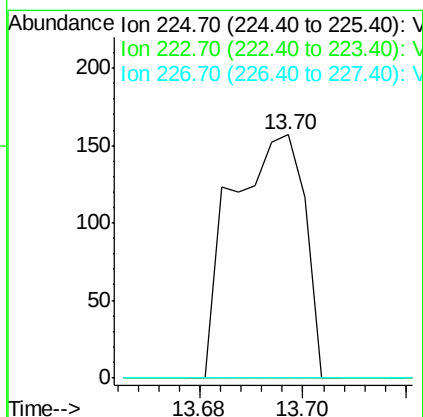
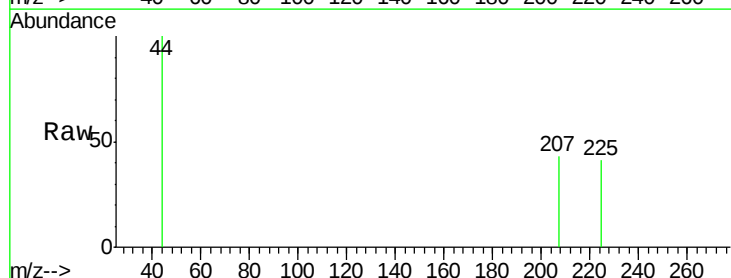
Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW30312-20181207

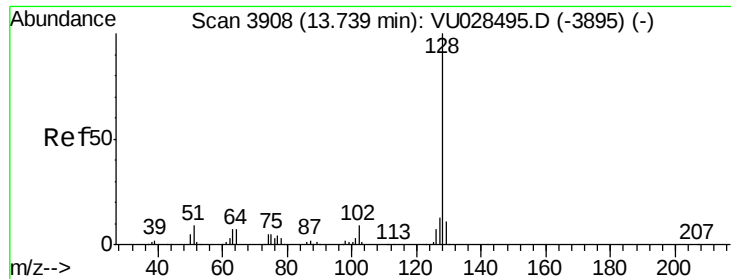
Tot Ion:180 Resp: 835
 Ion Ratio Lower Upper
 180 100
 182 74.9 47.9 143.8
 145 17.6 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 0.228 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.01 min
 Lab File: VU028596.D
 Acq: 11 Dec 2018 10:06

Tgt Ion:225 Resp: 153
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.4 91.2#
 227 0.0 30.7 92.1#

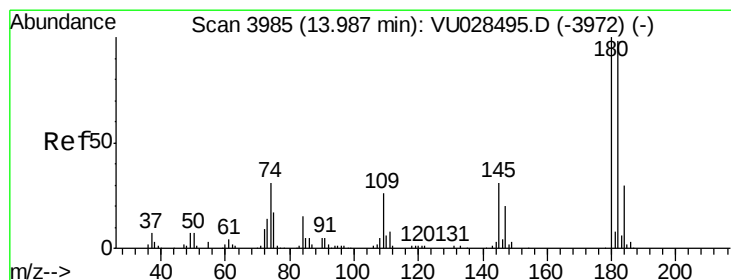
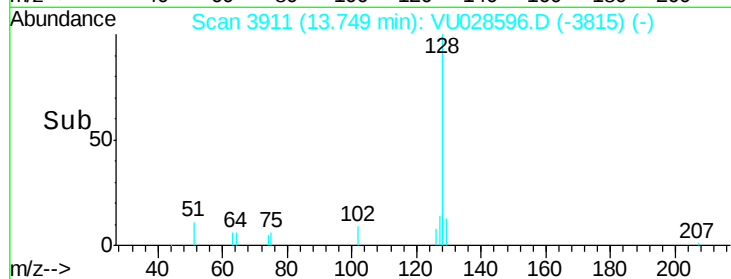
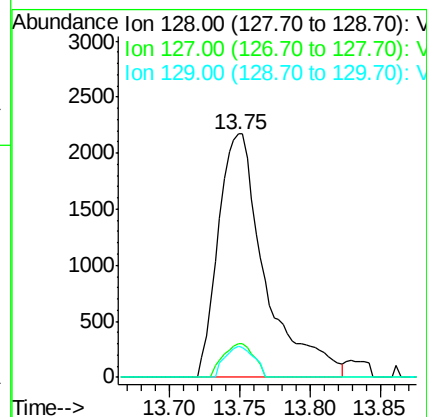
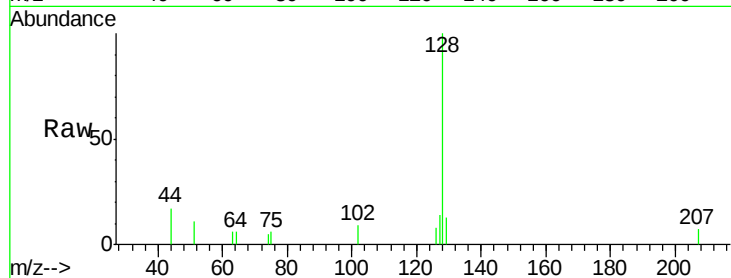




#95
Naphthalene
Concen: 1.021 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW303I2-20181207

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.4	15.6#
129	7.8	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.919 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU028596.D
Acq: 11 Dec 2018 10:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.6	48.2	144.6
145	19.3	15.8	47.3

