

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028578.D
 Acq On : 11 Dec 2018 02:51
 Operator : MD/SY
 Sample : J6335-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB05-20181207

Quant Time: Dec 11 03:44:40 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	82357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	153079	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53089	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	71548	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	
35) Dibromofluoromethane	4.88	113	52209	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
50) Toluene-d8	7.57	98	199075	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	10.31	95	64959	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

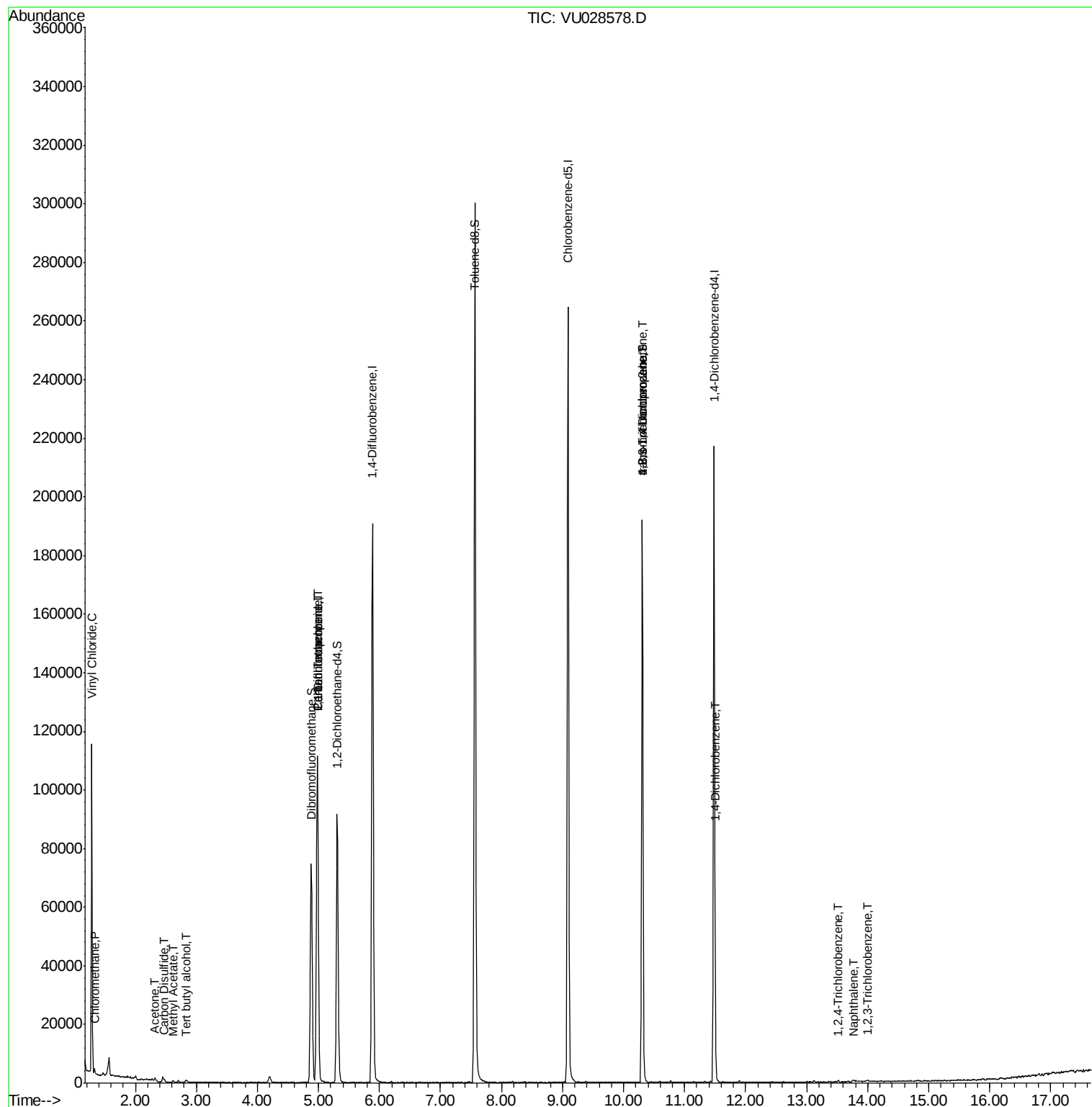
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1679	0.827	ug/l	98
4) Vinyl Chloride	1.29	62	898	0.613	ug/l #	43
11) Tert butyl alcohol	2.84	59	577	2.061	ug/l #	73
16) Acetone	2.32	43	1323	1.613	ug/l	99
17) Carbon Disulfide	2.48	76	956	0.289	ug/l #	75
18) Methyl Acetate	2.62	43	677	0.318	ug/l #	56
31) Cyclohexane	4.98	56	1996	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7323	4.372	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7821	5.793	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	34198	25.226	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	34198	61.898	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	409	0.220	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.51	180	269	1.057	ug/l #	78
95) Naphthalene	13.76	128	1440	0.333	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	296	0.386	ug/l #	80

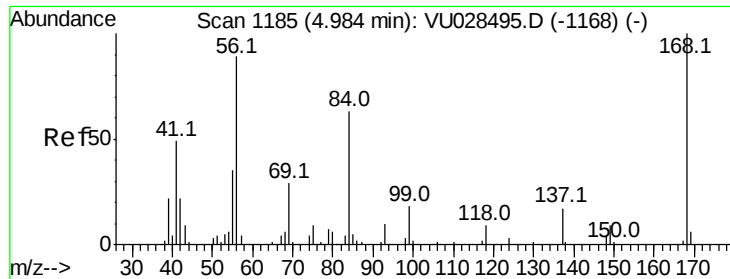
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

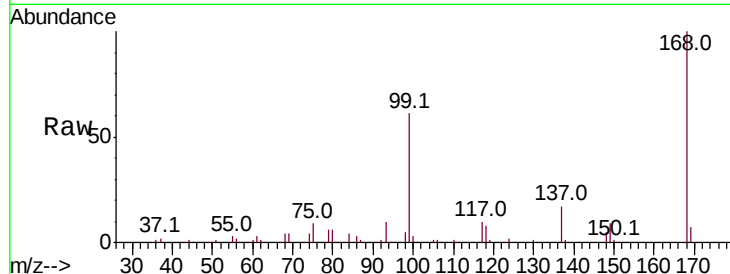
Instrument :
MSVOA_U
ClientSampleId :
BP-TB05-20181207

Tot Ion:168 Resp: 82357

Ion Ratio Lower Upper

168 100

99 61.0 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

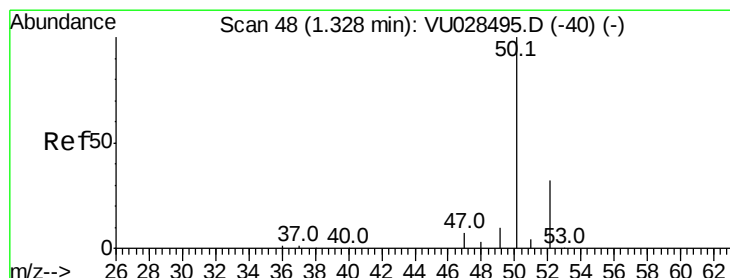
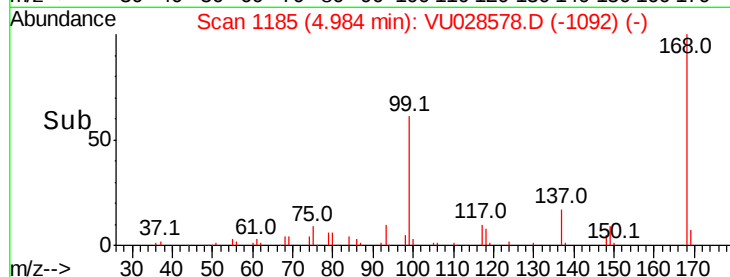
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.827 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028578.D

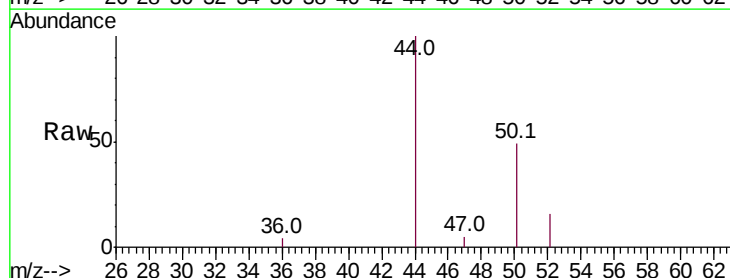
Acq: 11 Dec 2018 02:51

Tgt Ion: 50 Resp: 1679

Ion Ratio Lower Upper

50 100

52 33.1 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1500

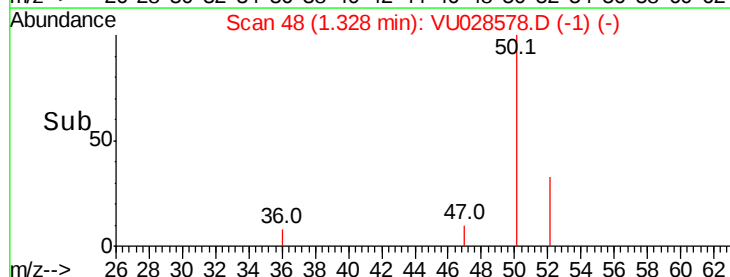
1000

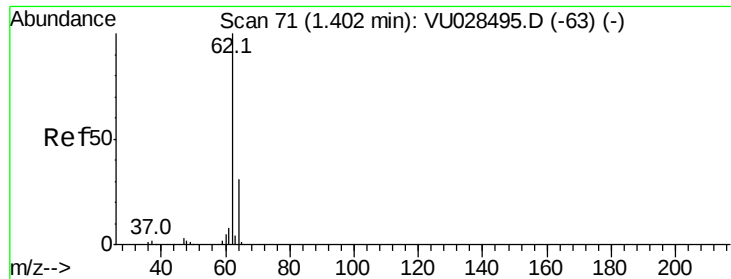
500

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 0.613 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

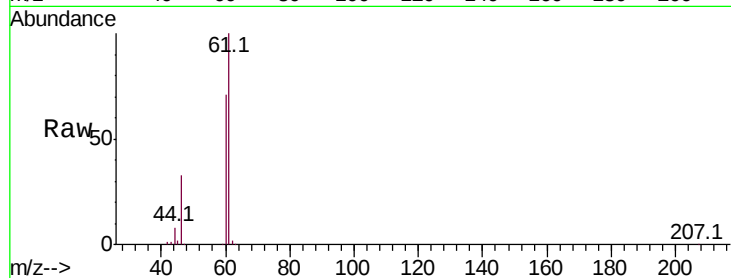
BP-TB05-20181207

Tot Ion: 62 Resp: 898

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.29

1000

800

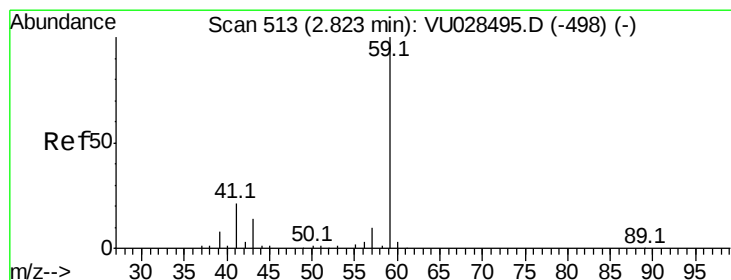
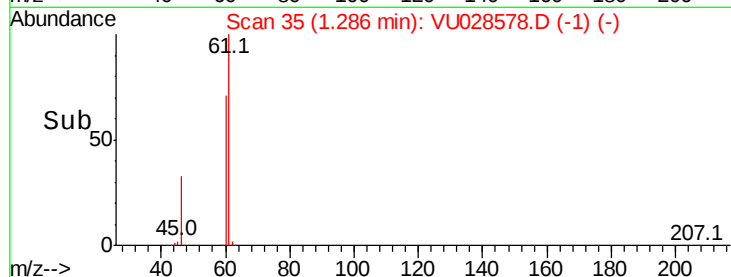
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 2.061 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028578.D

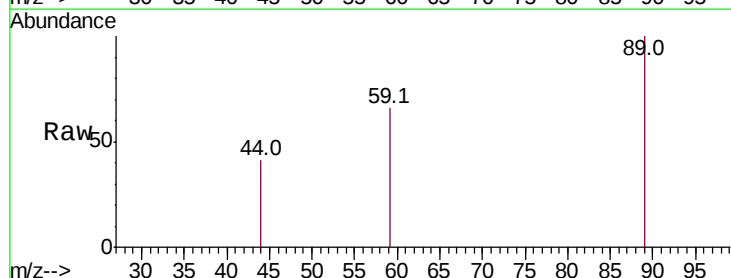
Acq: 11 Dec 2018 02:51

Tgt Ion: 59 Resp: 577

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

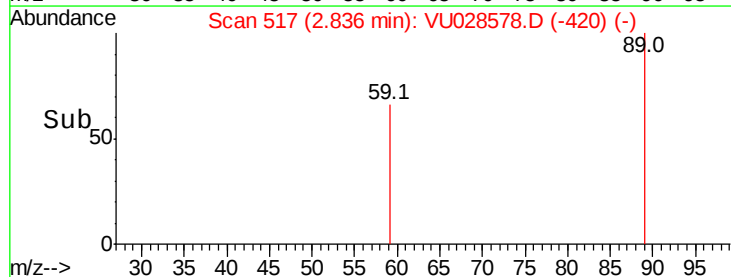
300

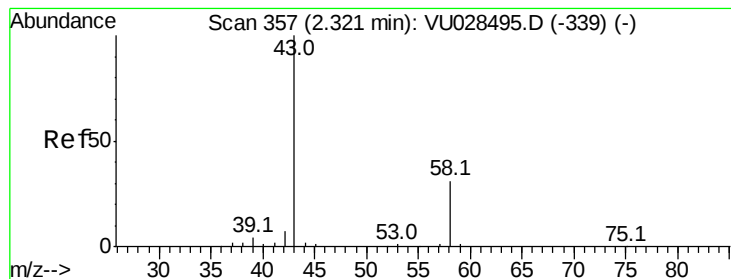
200

100

0

Time-->





#16

Acetone

Concen: 1.613 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

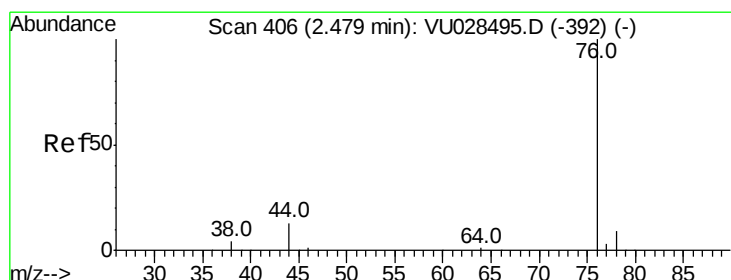
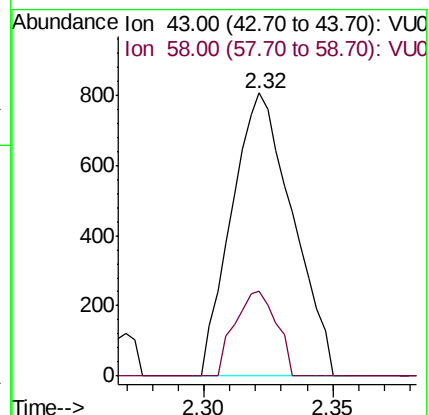
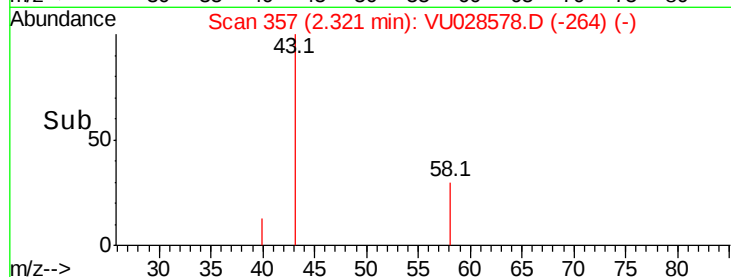
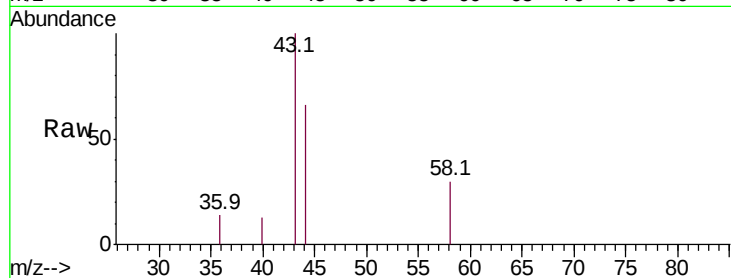
BP-TB05-20181207

Tot Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

58 30.1 24.6 37.0



#17

Carbon Disulfide

Concen: 0.289 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028578.D

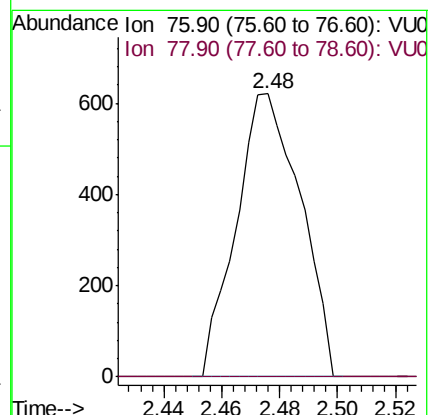
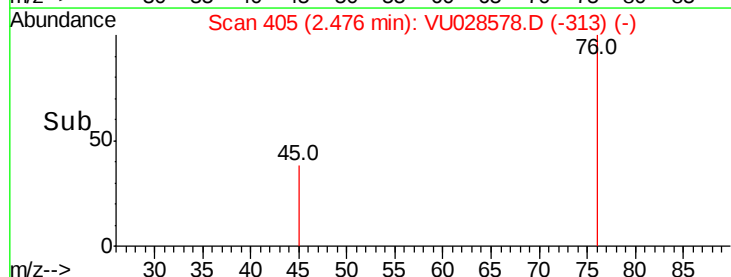
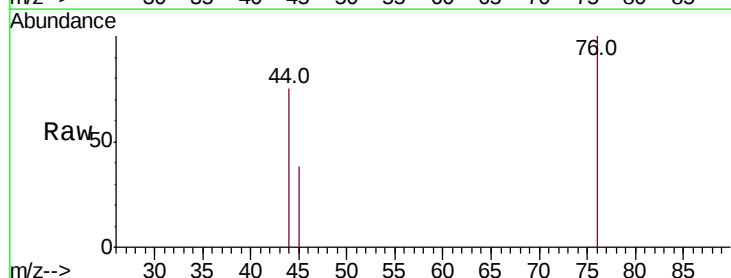
Acq: 11 Dec 2018 02:51

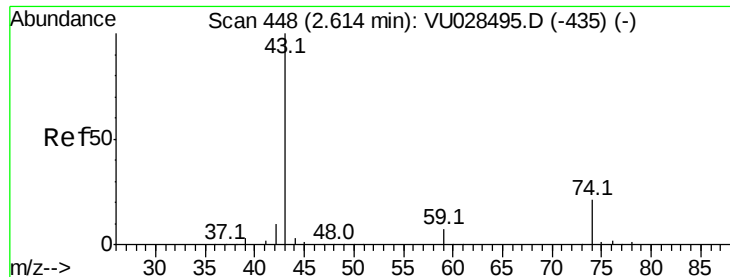
Tgt Ion: 76 Resp: 956

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

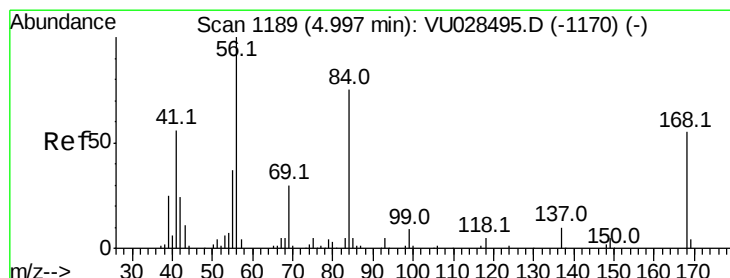
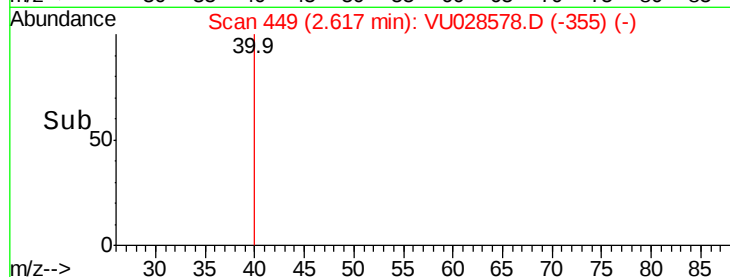
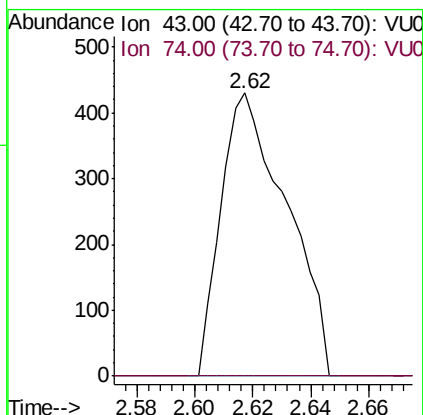
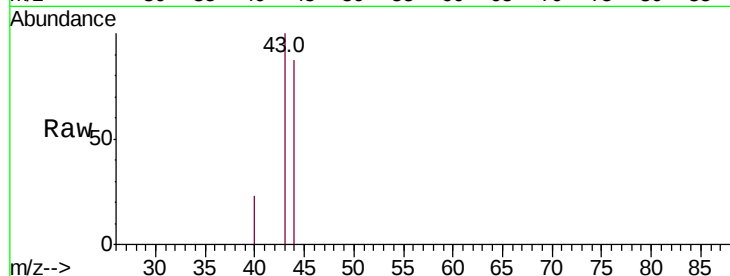




#18
Methyl Acetate
Concen: 0.318 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

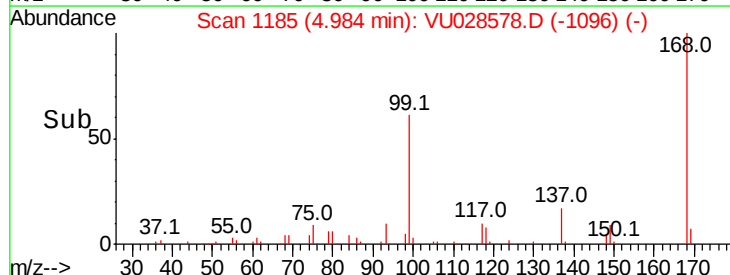
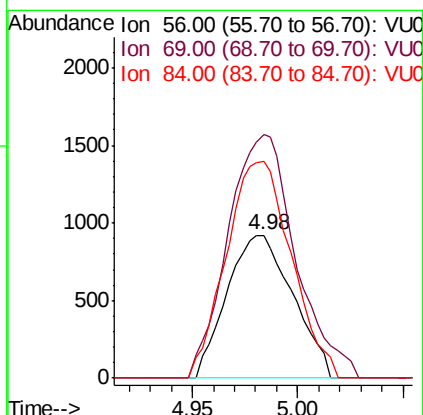
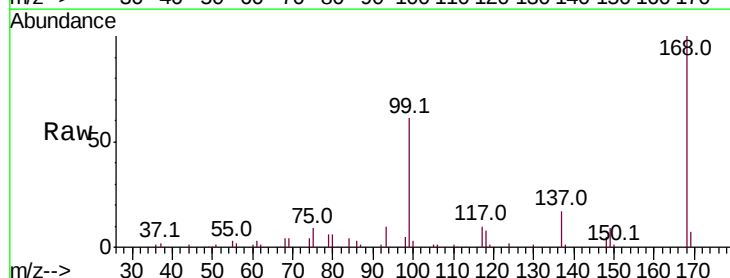
Instrument :
MSVOA_U
ClientSampleId :
BP-TB05-20181207

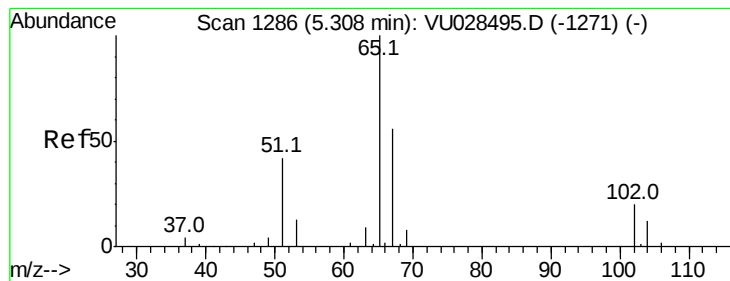
Tot Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

Tgt Ion: 56 Resp: 1996
Ion Ratio Lower Upper
56 100
69 170.8 24.0 36.0#
84 152.4 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 56.928 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

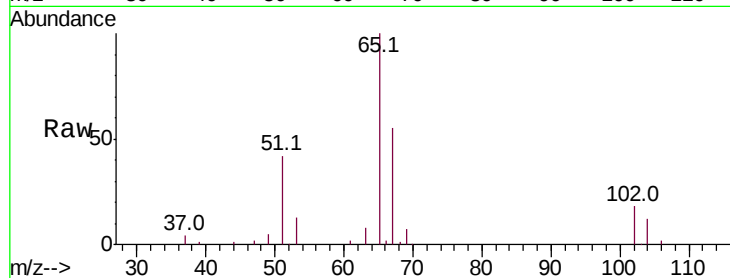
BP-TB05-20181207

Tot Ion: 65 Resp: 71548

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.6

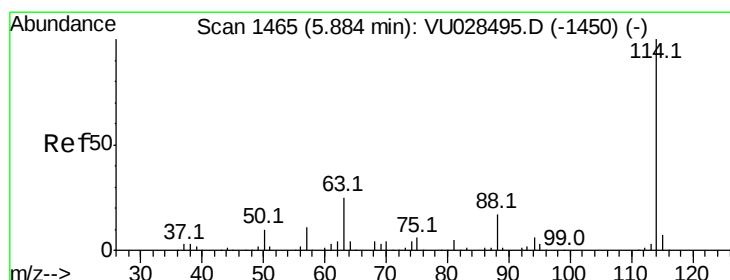
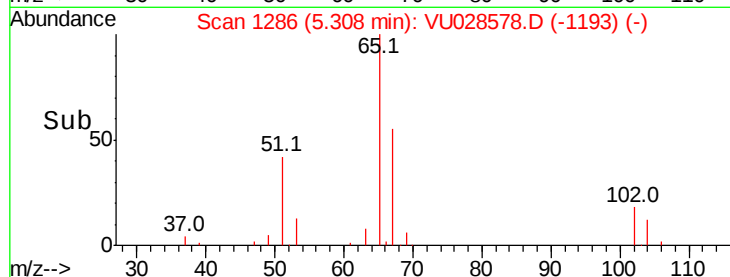


Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

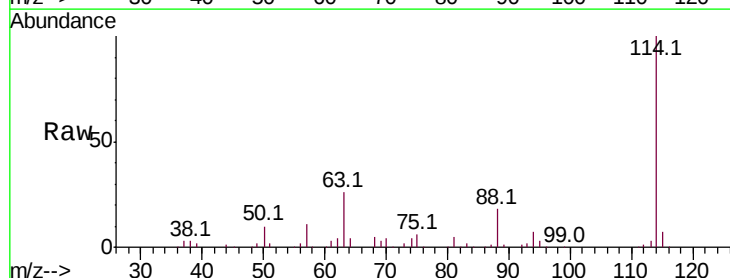
Tgt Ion:114 Resp: 153079

Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.2

88 17.8 0.0 33.4



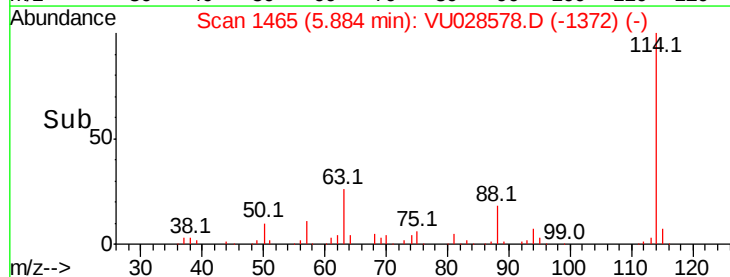
Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

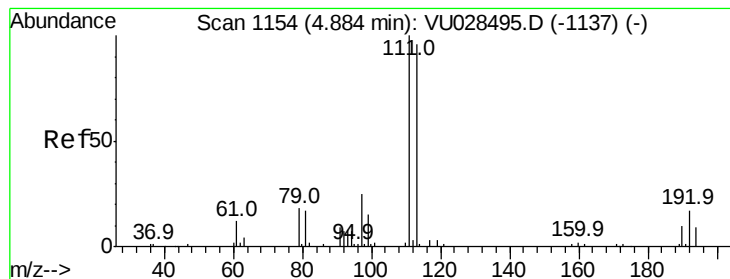
Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.88

Time-->





#35

Dibromofluoromethane

Concen: 54.196 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

BP-TB05-20181207

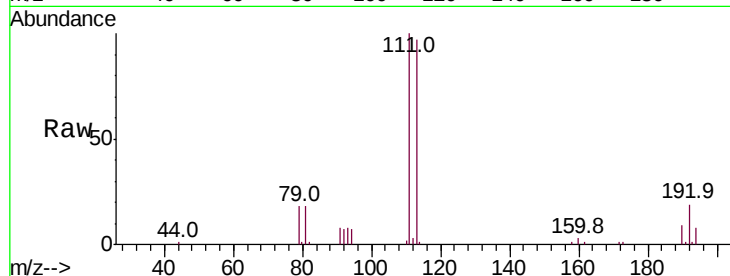
Tot Ion:113 Resp: 52209

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

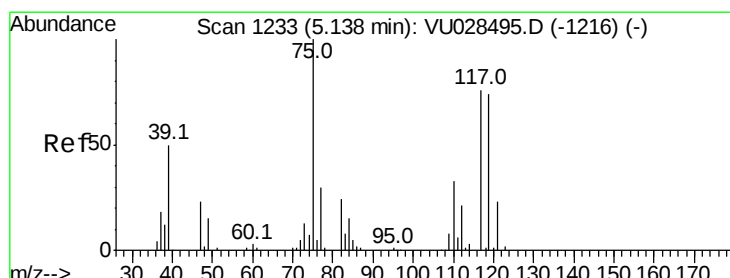
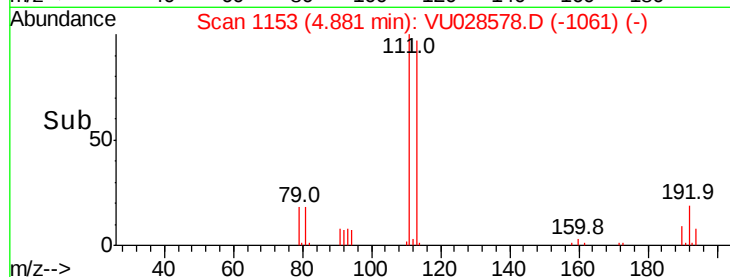
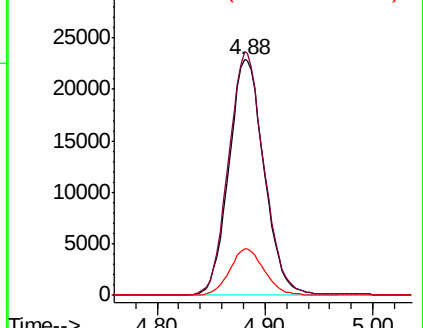
192 19.3 14.8 22.2



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: 4.372 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

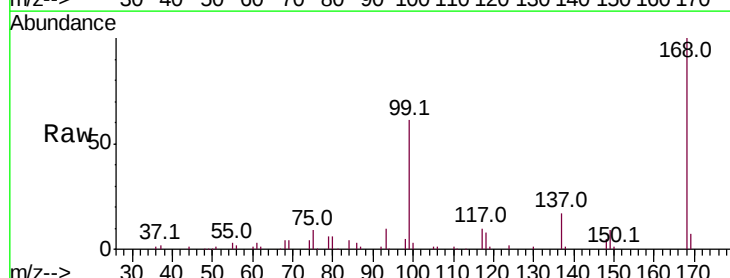
Tgt Ion: 75 Resp: 7323

Ion Ratio Lower Upper

75 100

110 6.6 16.1 48.2#

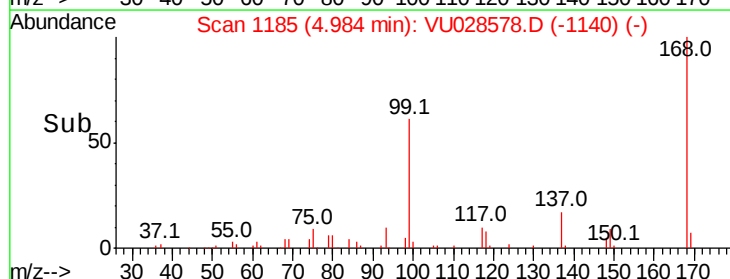
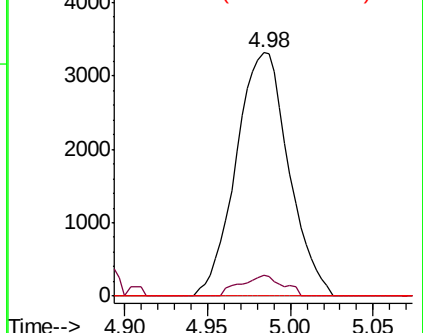
77 0.0 24.5 36.7#

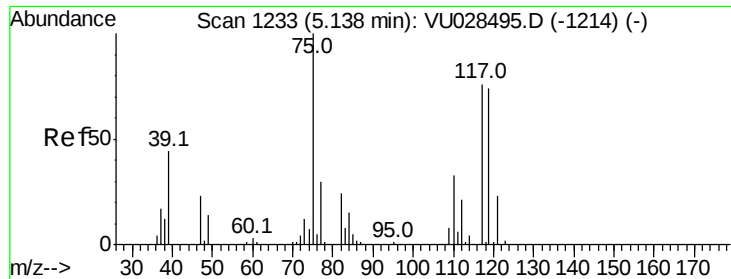


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

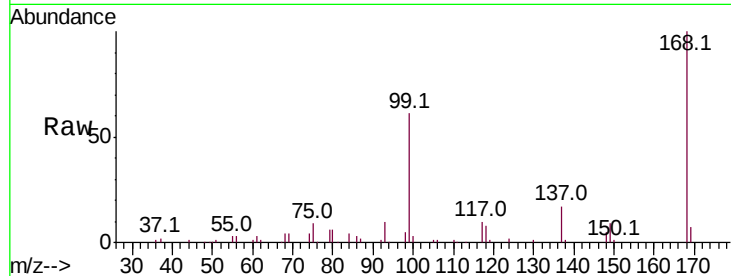




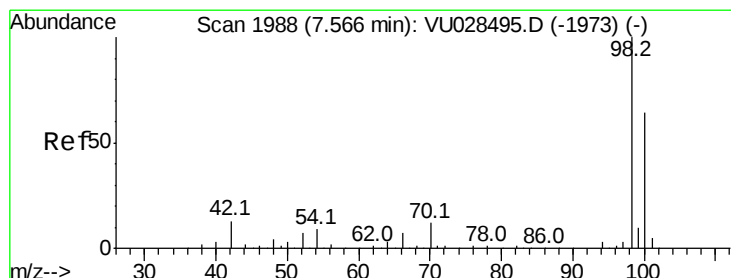
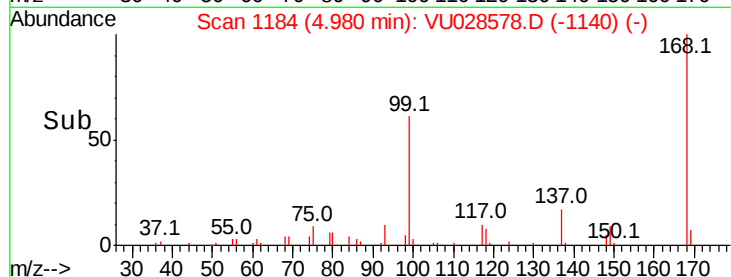
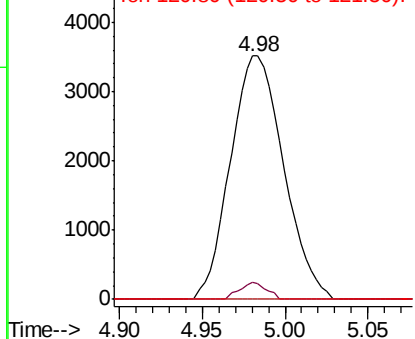
#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

Instrument :
MSVOA_U
ClientSampleId :
BP-TB05-20181207

Tot Ion:117 Resp: 7821
Ion Ratio Lower Upper
117 100
119 7.0 77.6 116.4#
121 0.0 24.6 36.8#

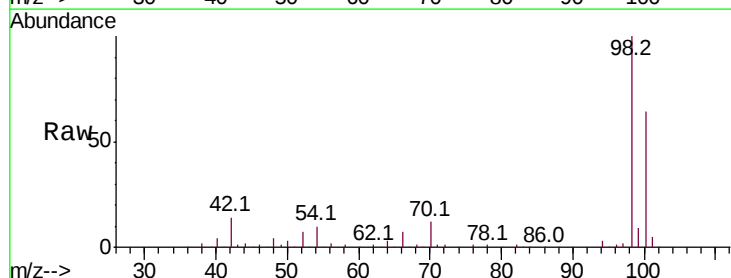


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

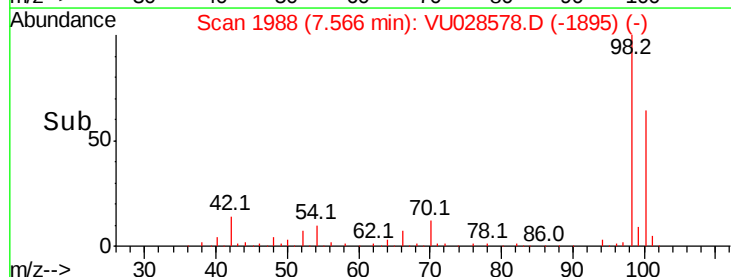
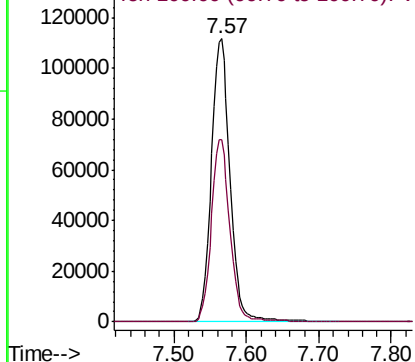


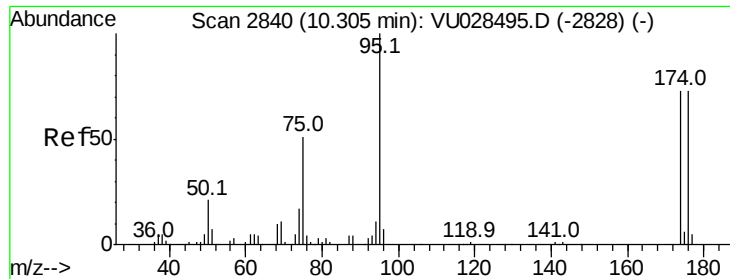
#50
Toluene-d8
Concen: 52.240 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

Tgt Ion: 98 Resp: 199075
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 45.607 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

BP-TB05-20181207

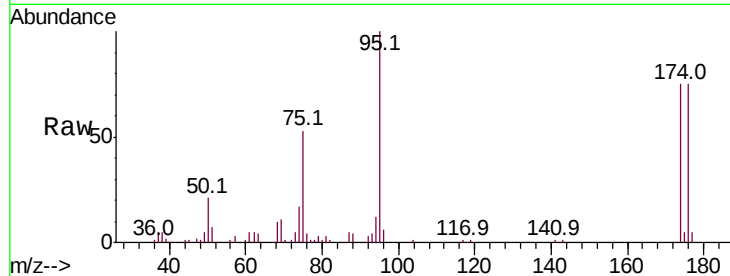
Tot Ion: 95 Resp: 64959

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

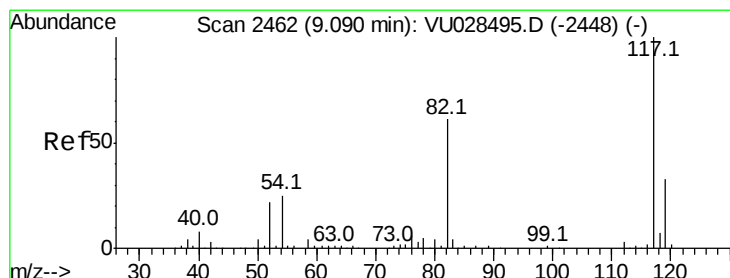
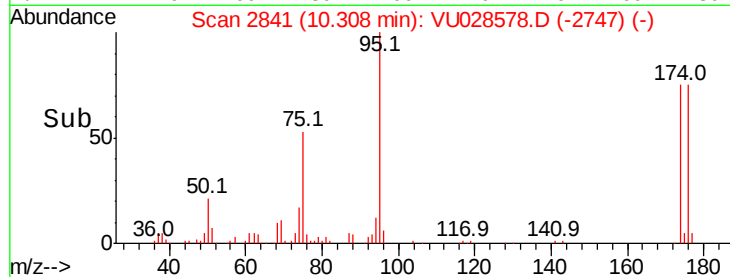
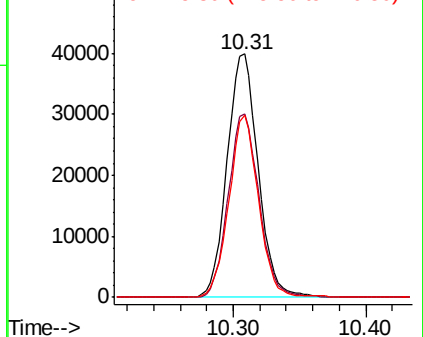
176 71.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

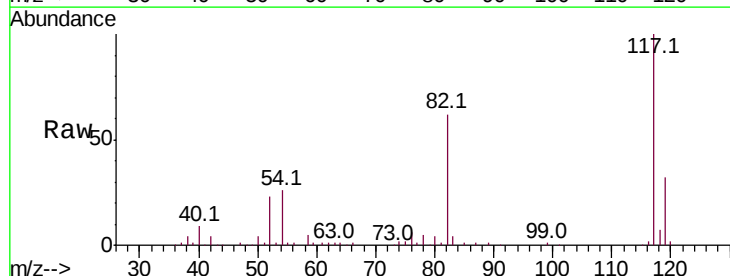
Tgt Ion: 117 Resp: 136806

Ion Ratio Lower Upper

117 100

82 61.7 48.9 73.3

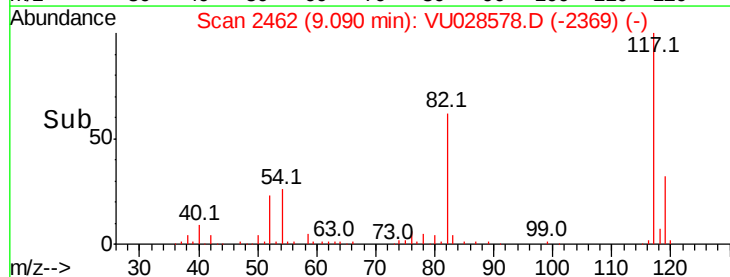
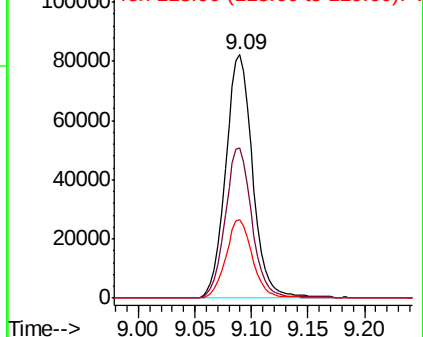
119 32.2 26.2 39.4

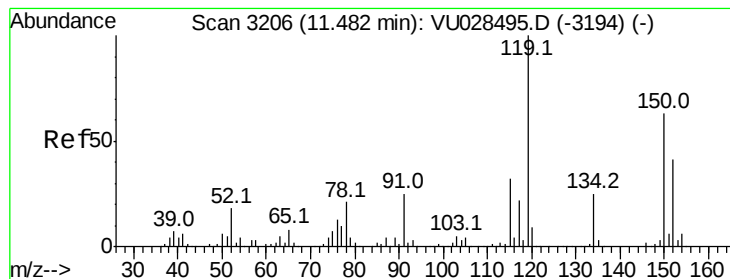


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028578.D

Acq: 11 Dec 2018 02:51

Instrument :

MSVOA_U

ClientSampleId :

BP-TB05-20181207

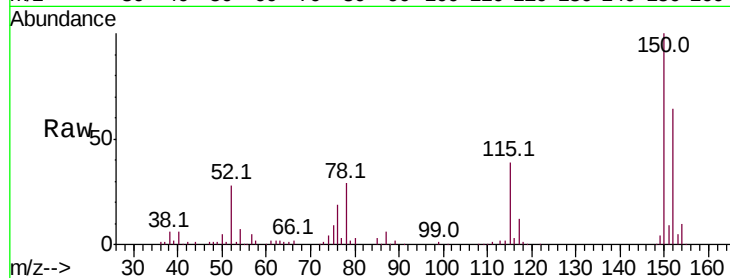
Tot Ion:152 Resp: 53089

Ion Ratio Lower Upper

152 100

115 59.8 42.7 128.1

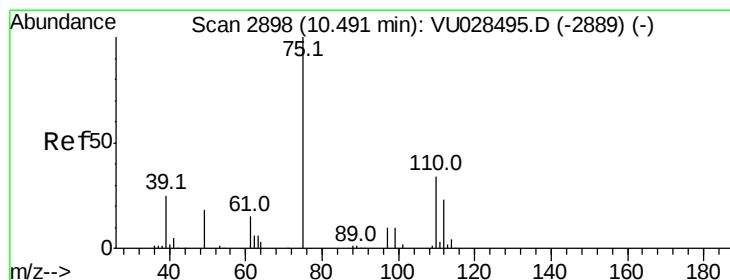
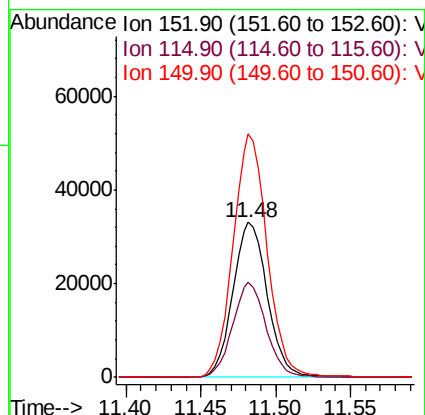
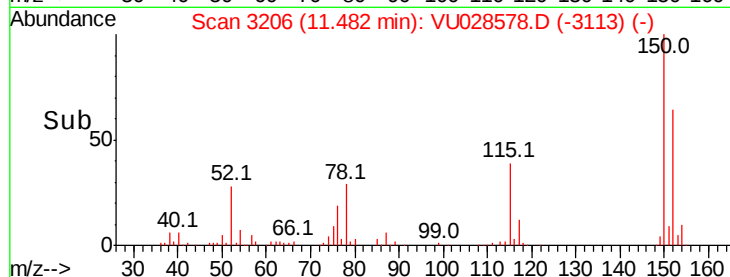
150 155.1 0.0 346.0



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: 25.226 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028578.D

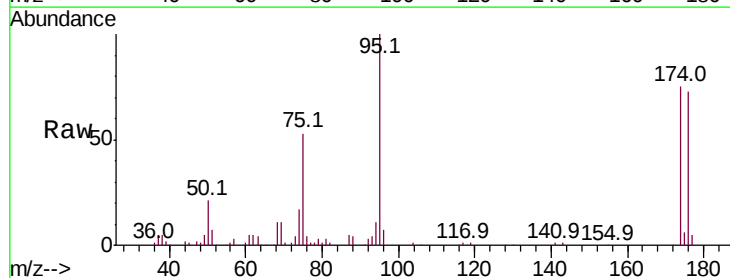
Acq: 11 Dec 2018 02:51

Tgt Ion: 75 Resp: 34198

Ion Ratio Lower Upper

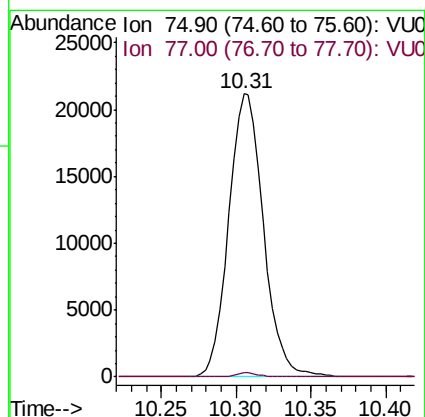
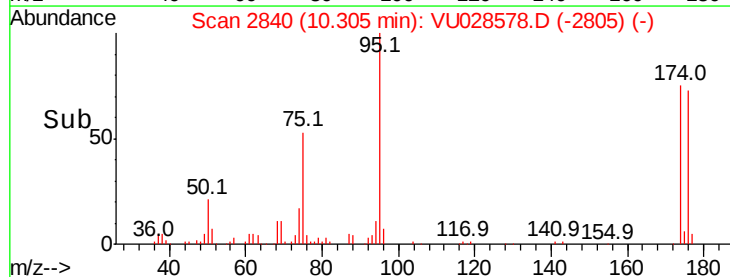
75 100

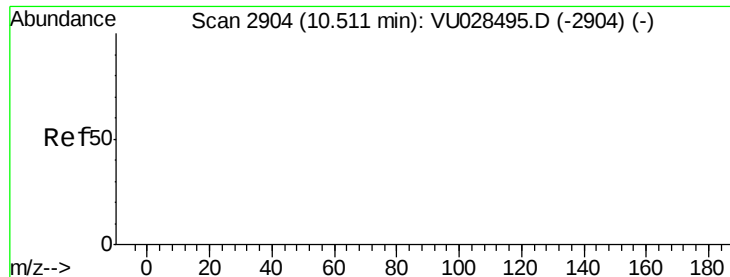
77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

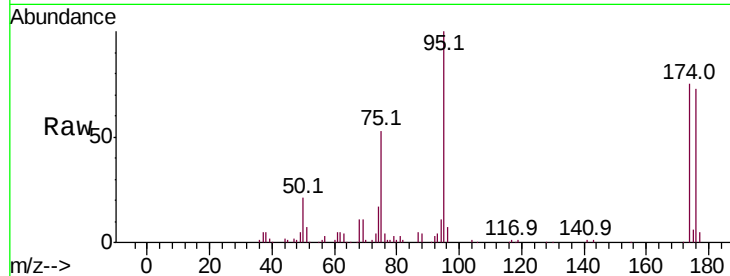




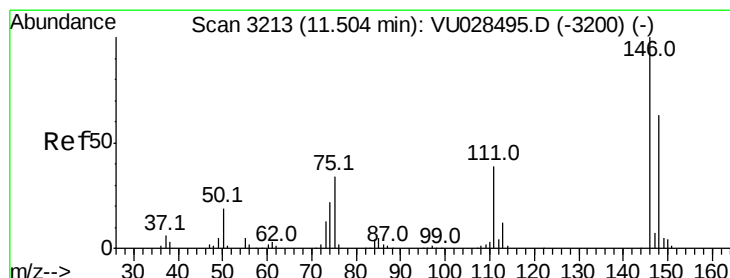
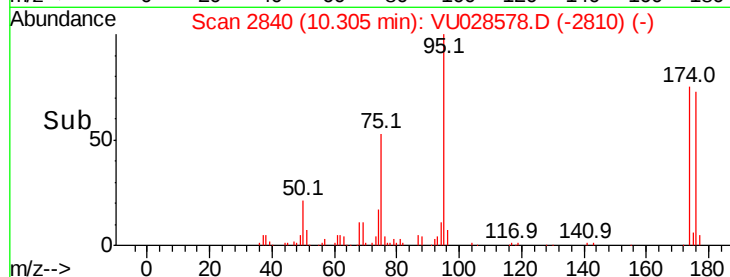
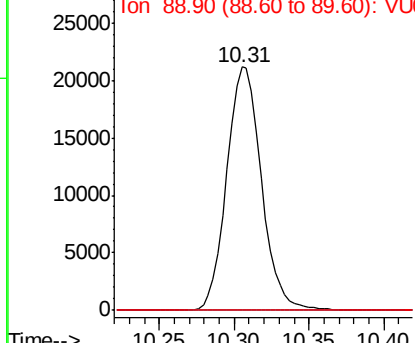
#81
trans-1,4-Dichloro-2-butene
Concen: 61.898 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

Instrument :
MSVOA_U
ClientSampleId :
BP-TB05-20181207

Tot Ion: 75 Resp: 34198
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

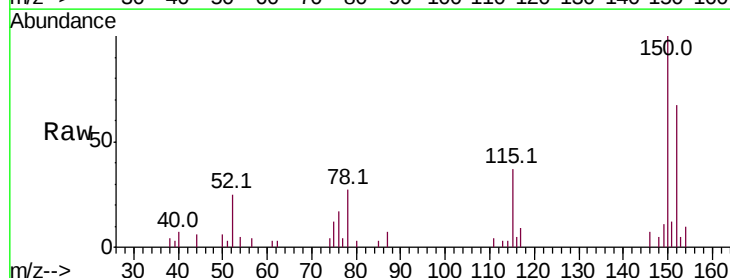


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

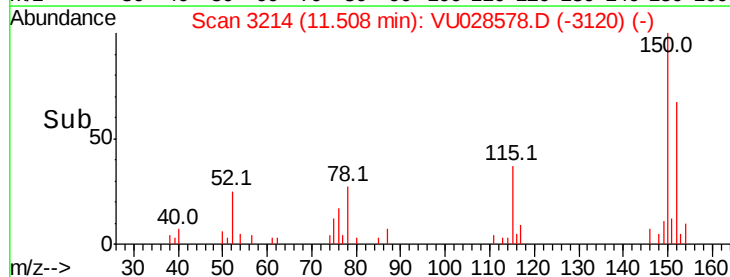
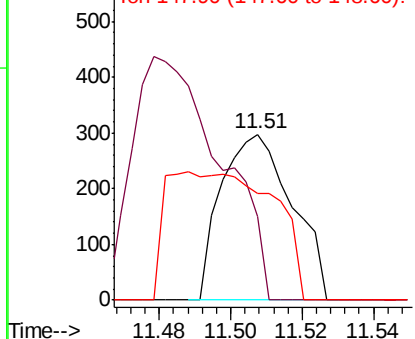


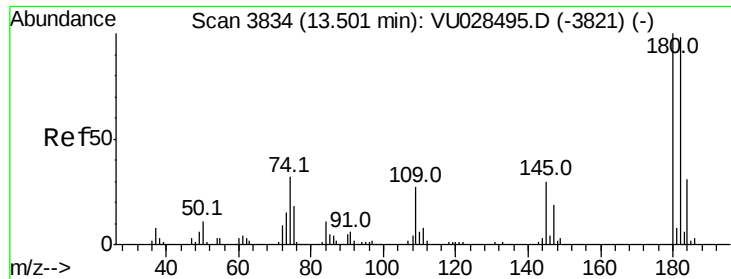
#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028578.D
Acq: 11 Dec 2018 02:51

Tgt Ion: 146 Resp: 409
Ion Ratio Lower Upper
146 100
111 0.0 20.2 60.5#
148 0.0 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

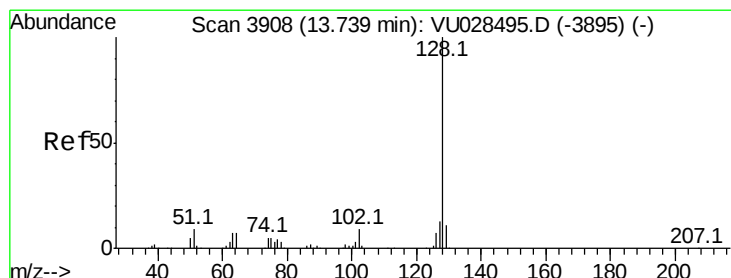
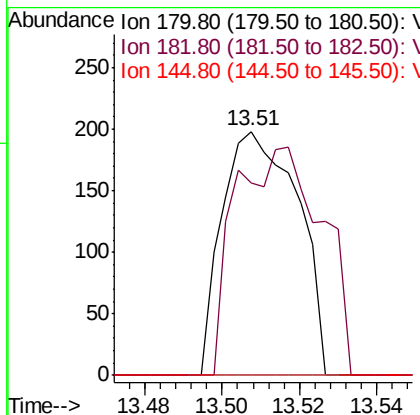
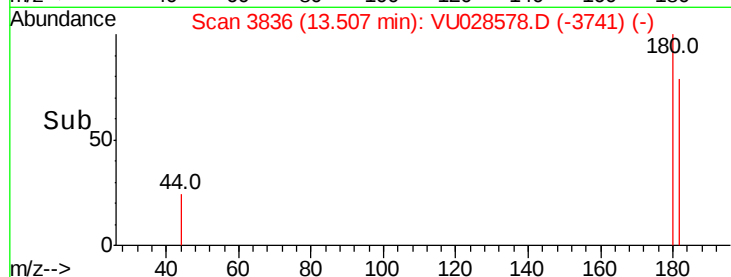
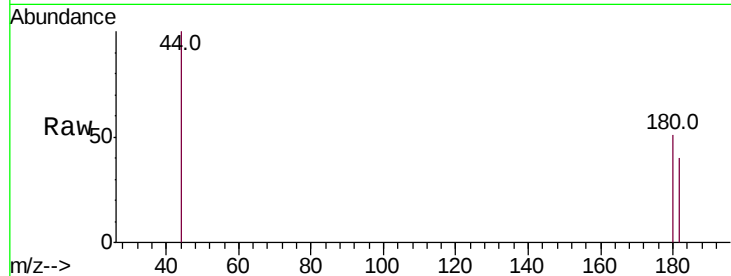




#93
 1,2,4-Trichlorobenzene
 Concen: 1.057 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028578.D
 Acq: 11 Dec 2018 02:51

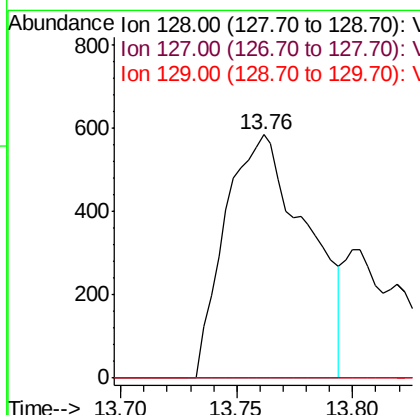
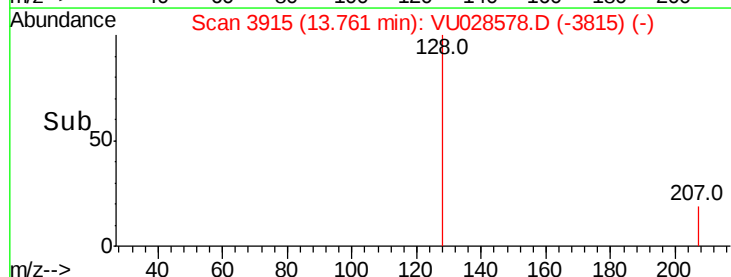
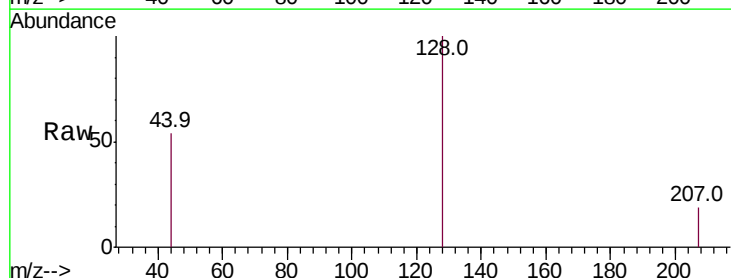
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB05-20181207

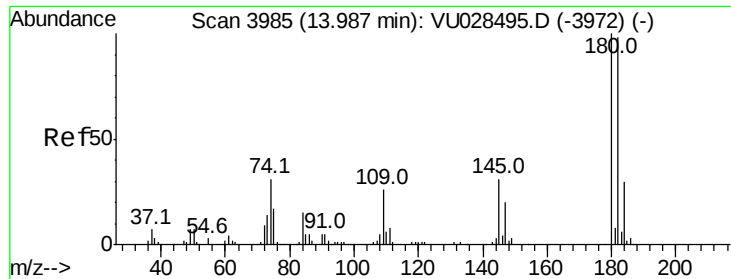
Tot Ion:180 Resp: 269
 Ion Ratio Lower Upper
 180 100
 182 106.7 47.9 143.8
 145 0.0 15.0 45.1#



#95
 Naphthalene
 Concen: 0.333 ug/l
 RT: 13.76 min Scan# 3915
 Delta R.T. 0.02 min
 Lab File: VU028578.D
 Acq: 11 Dec 2018 02:51

Tgt Ion:128 Resp: 1440
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.386 ug/l
 RT: 14.00 min Scan# 3990
 Delta R.T. 0.02 min
 Lab File: VU028578.D
 Acq: 11 Dec 2018 02:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB05-20181207

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.1	48.2	144.6
145	0.0	15.8	47.3

