

Data File : VU027020.D
Acq On : 22 Sep 2018 16:58
Operator : MD/SY
Sample : J4958-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 60 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW306I-20180914

Quant Time: Sep 24 02:51:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	94804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157100	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69641	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	94168	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	4.88	113	66512	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	7.57	98	241854	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	10.31	95	79669	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

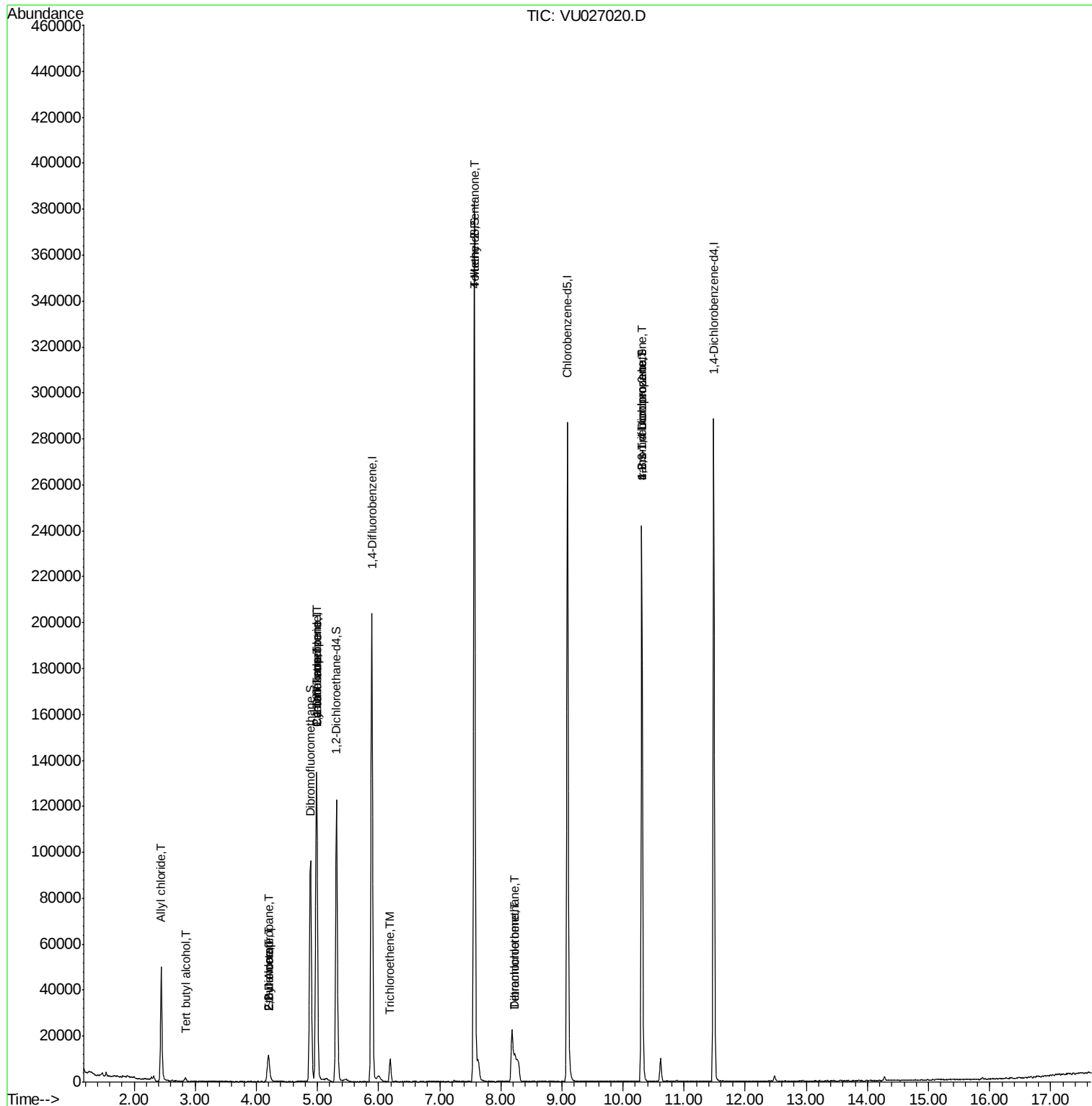
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.84	59	1122	2.565 ug/l #	72	
14) Allyl chloride	2.44	41	4816	1.813 ug/l #	73	
16) Acetone	2.32	43	1980	Below Cal	99	
25) 2-Butanone	4.20	43	656	0.409 ug/l #	53	
26) 2,2-Dichloropropane	4.19	77	640	0.262 ug/l #	55	
31) Cyclohexane	4.99	56	2508	0.310 ug/l #	17	
36) 1,1-Dichloropropene	4.98	75	9152	4.365 ug/l #	49	
37) Ethyl Acetate	4.20	43	656	0.231 ug/l #	32	
38) Carbon Tetrachloride	4.99	117	10089	5.056 ug/l #	17	
44) Trichloroethene	6.19	130	3366	2.481 ug/l #	97	
51) 4-Methyl-2-Pentanone	7.57	43	1226	0.440 ug/l #	1	
60) Dibromochloromethane	8.24	129	419	0.276 ug/l #	11	
64) Tetrachloroethene	8.23	164	395	0.340 ug/l #	84	
76) 1,2,3-Trichloropropane	10.31	75	42789	20.225 ug/l #	35	
81) trans-1,4-Dichloro-2-buten	10.31	75	42789	64.723 ug/l #	100	

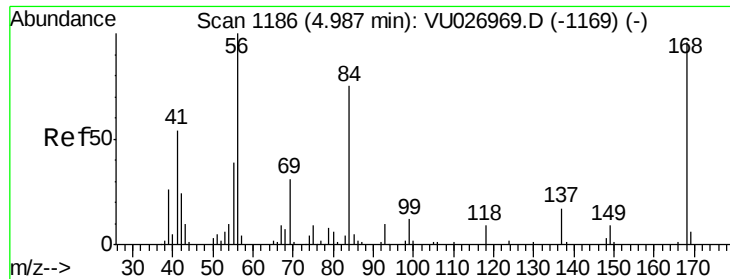
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

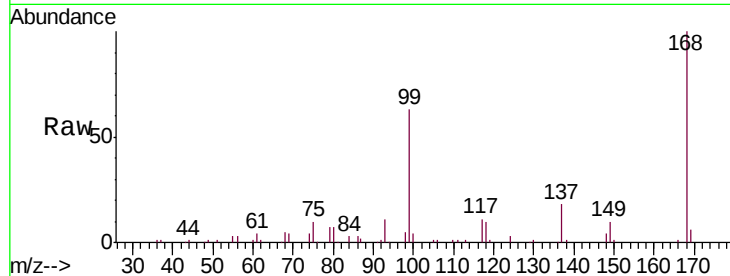
BPSI-TT-MW306I-20180914

Tgt Ion:168 Resp: 94804

Ion Ratio Lower Upper

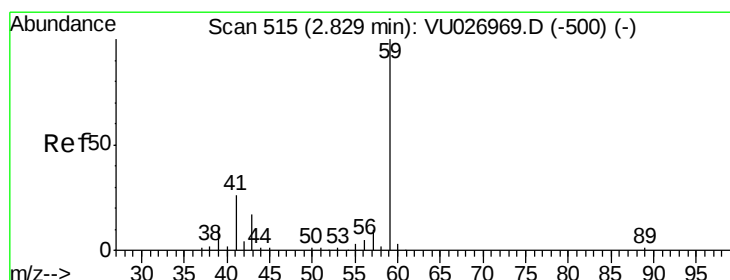
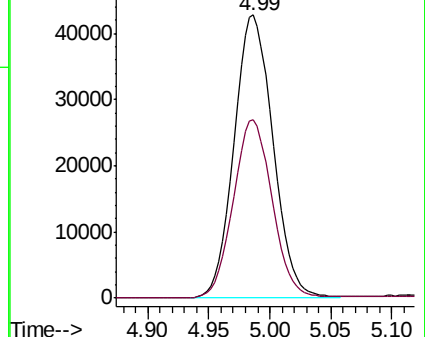
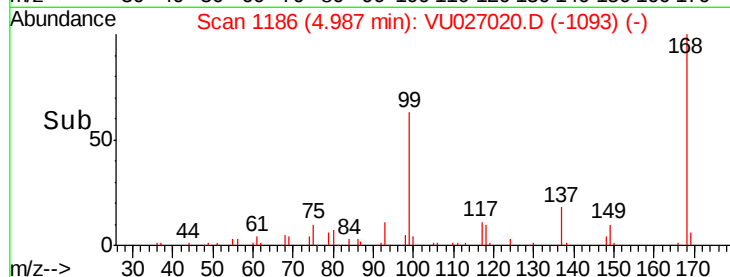
168 100

99 63.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027020.D (-1093) (-)



#11

Tert butyl alcohol

Concen: 2.565 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU027020.D

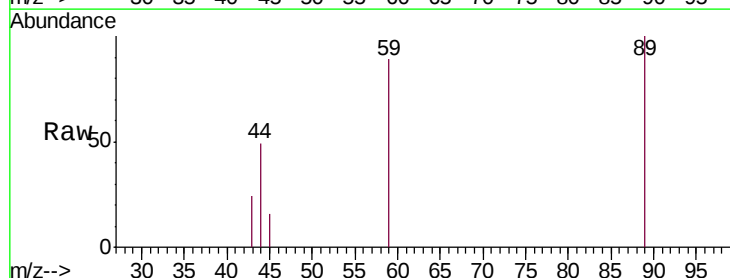
Acq: 22 Sep 2018 16:58

Tgt Ion: 59 Resp: 1122

Ion Ratio Lower Upper

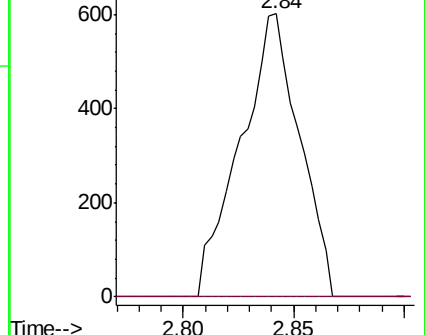
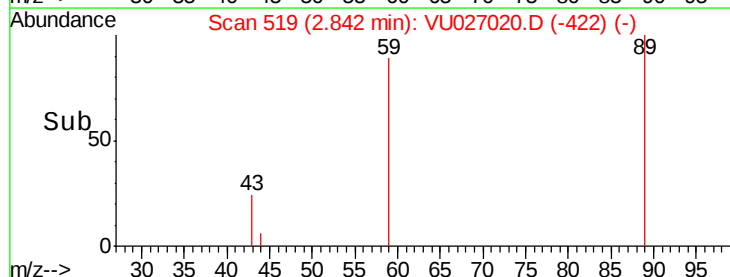
59 100

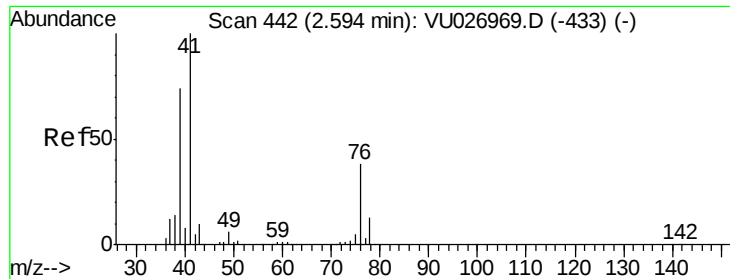
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU027020.D (-422) (-)

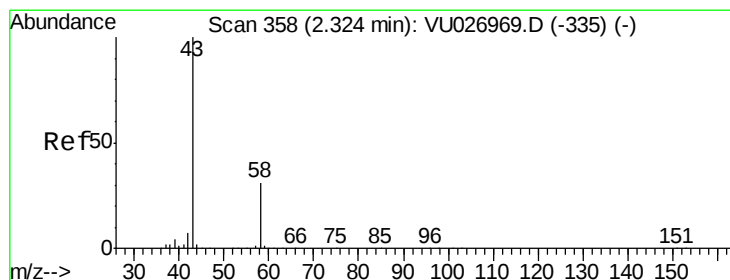
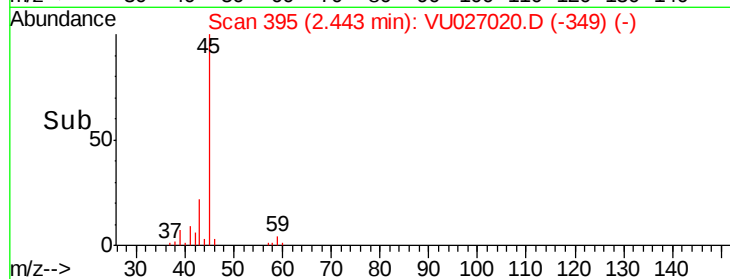
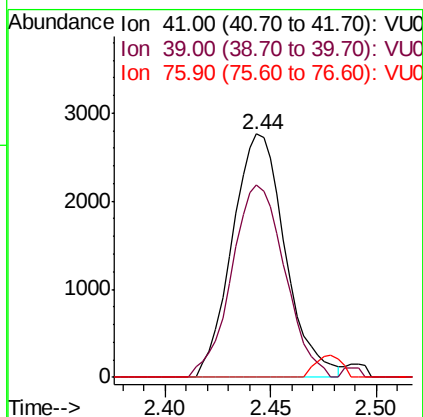
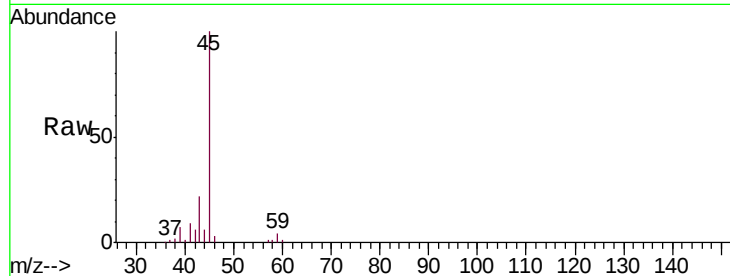




#14
 Allyl chloride
 Concen: 1.813 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

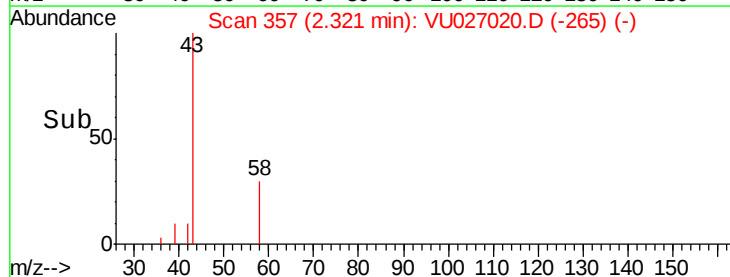
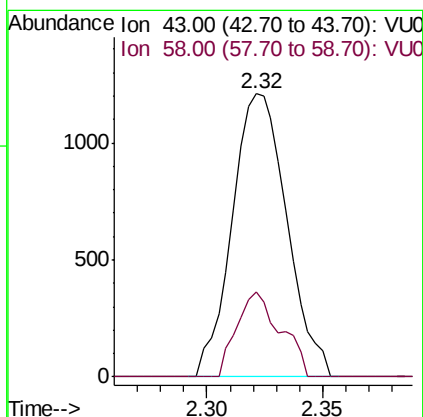
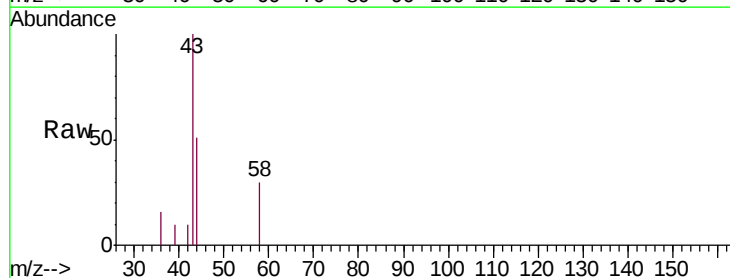
Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW306I-20180914

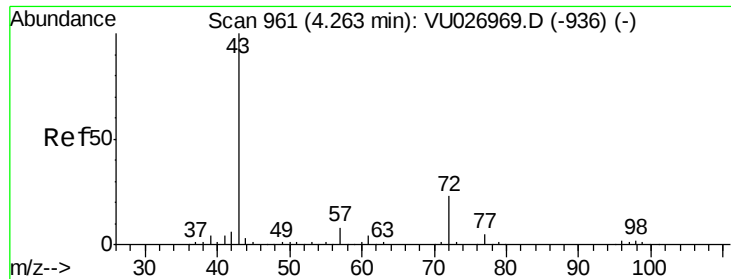
Tgt Ion: 41 Resp: 4816
 Ion Ratio Lower Upper
 41 100
 39 79.3 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

Tgt Ion: 43 Resp: 1980
 Ion Ratio Lower Upper
 43 100
 58 30.1 24.6 36.8





#25

2-Butanone

Concen: 0.409 ug/l

RT: 4.20 min Scan# 941

Delta R.T. -0.06 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

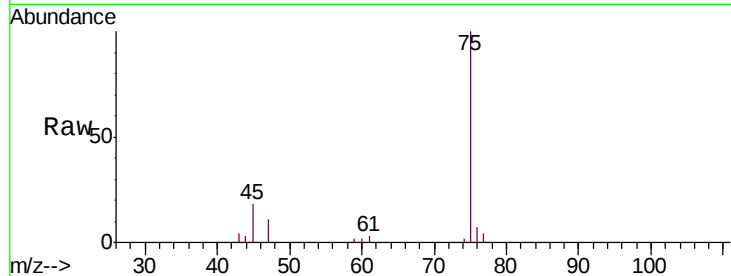
BPSI-TT-MW306I-20180914

Tgt Ion: 43 Resp: 656

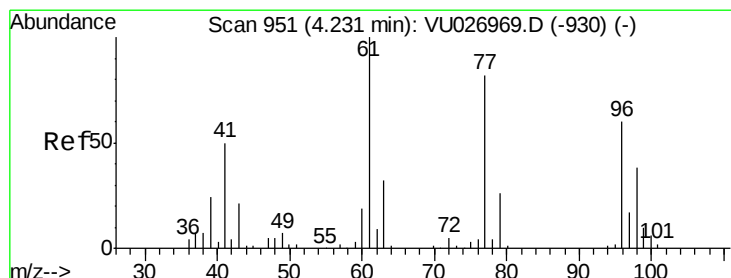
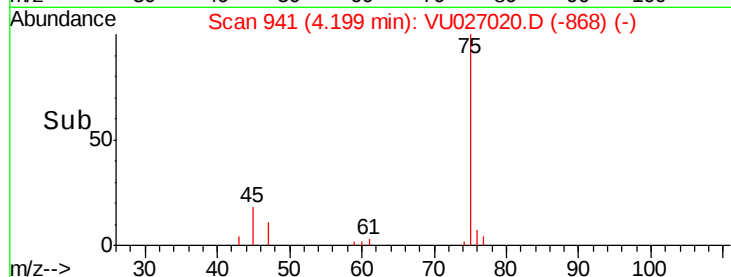
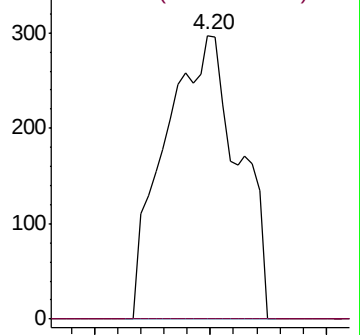
Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0



#26

2,2-Dichloropropane

Concen: 0.262 ug/l

RT: 4.19 min Scan# 938

Delta R.T. -0.04 min

Lab File: VU027020.D

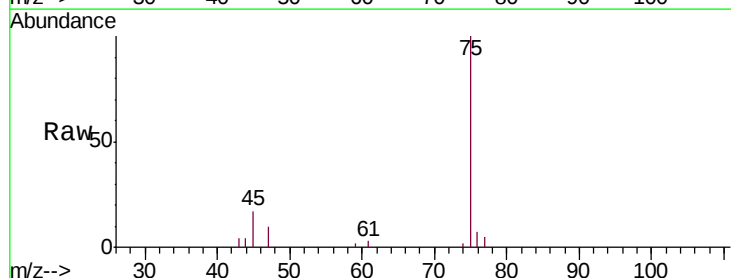
Acq: 22 Sep 2018 16:58

Tgt Ion: 77 Resp: 640

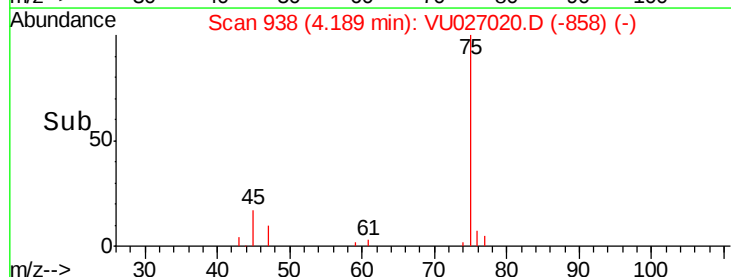
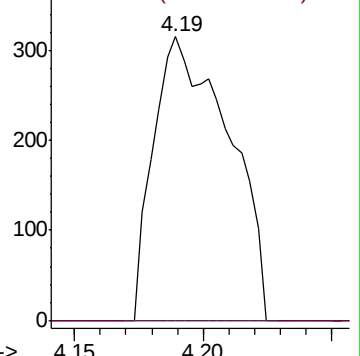
Ion Ratio Lower Upper

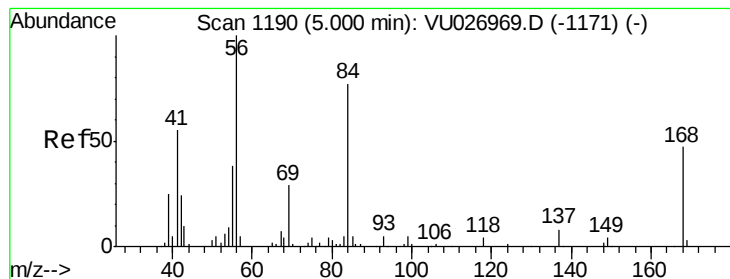
77 100

97 0.0 10.5 31.5#



Abundance Ion 76.90 (76.60 to 77.60): VU0





#31

Cyclohexane

Concen: 0.310 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW306I-20180914

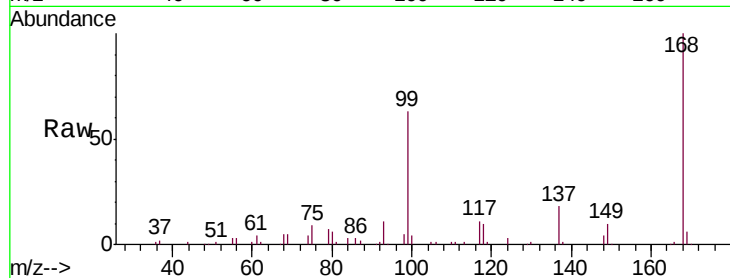
Tgt Ion: 56 Resp: 2508

Ion Ratio Lower Upper

56 100

69 154.8 23.0 34.4#

84 99.1 61.4 92.2#

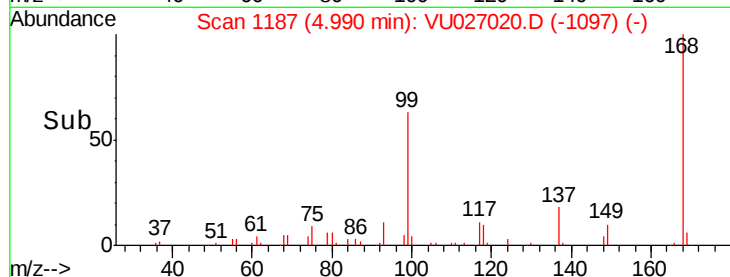


Abundance Ion 56.00 (55.70 to 56.70): VU027020.D (-1097) (-)

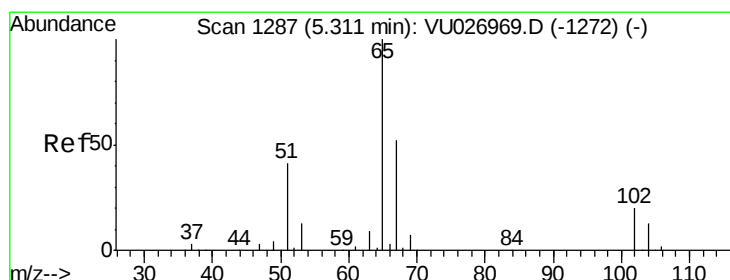
Ion 69.00 (68.70 to 69.70): VU027020.D (-1097) (-)

Ion 84.00 (83.70 to 84.70): VU027020.D (-1097) (-)

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.352 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027020.D

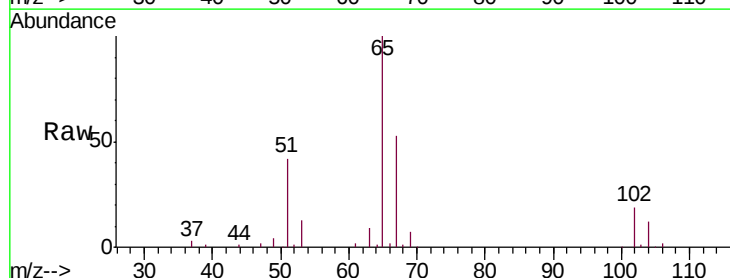
Acq: 22 Sep 2018 16:58

Tgt Ion: 65 Resp: 94168

Ion Ratio Lower Upper

65 100

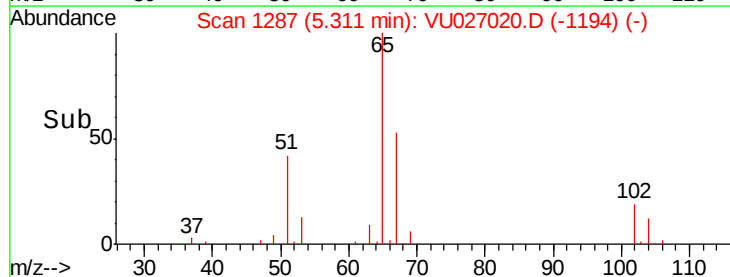
67 52.7 0.0 105.6



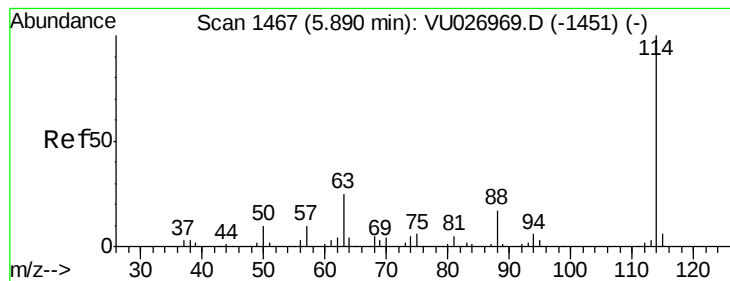
Abundance Ion 64.90 (64.60 to 65.60): VU027020.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027020.D (-1194) (-)

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW306I-20180914

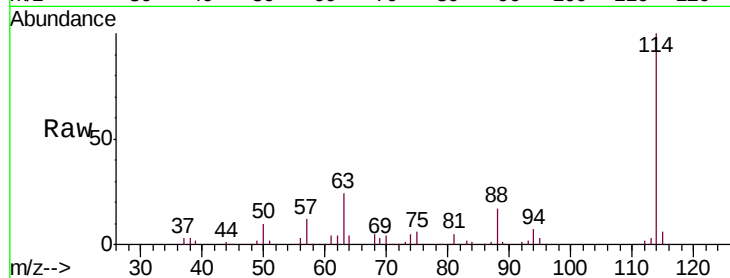
Tgt Ion:114 Resp: 157100

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

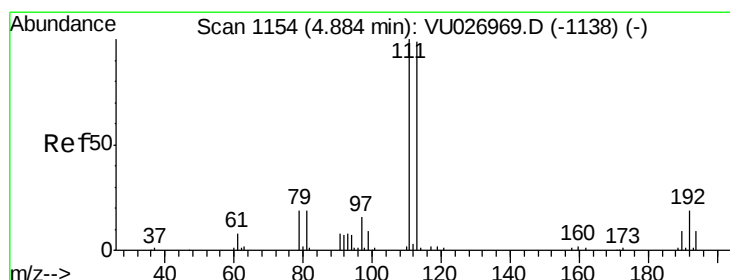
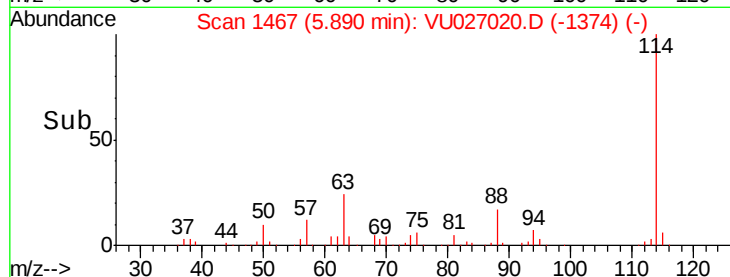
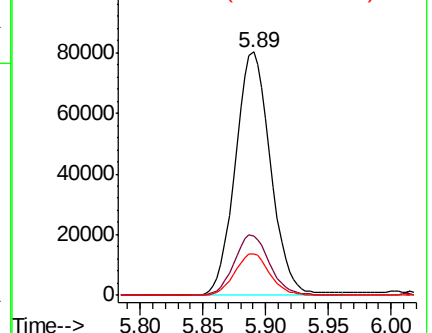
88 17.2 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.843 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

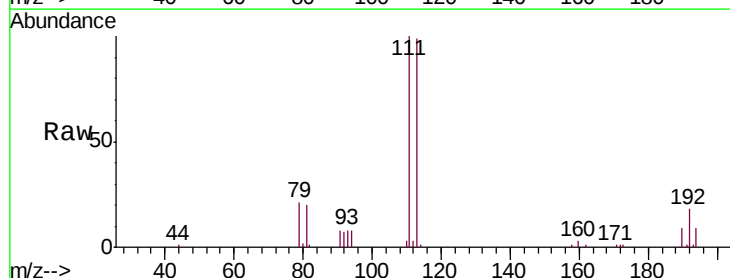
Tgt Ion:113 Resp: 66512

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

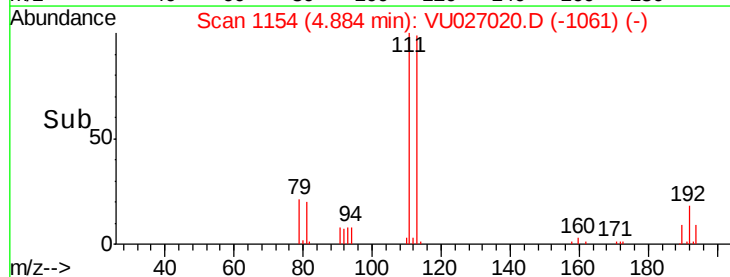
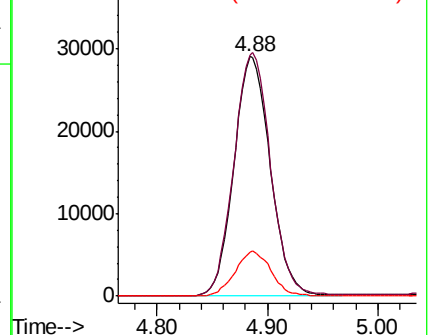
192 18.5 15.2 22.8

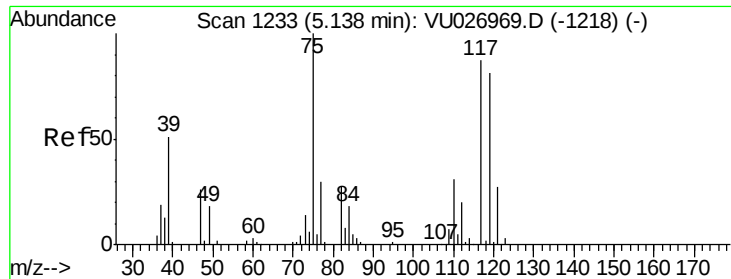


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

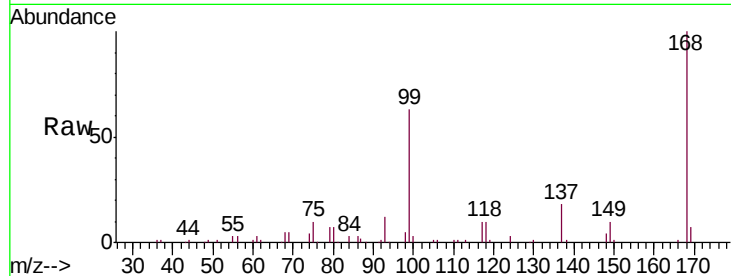




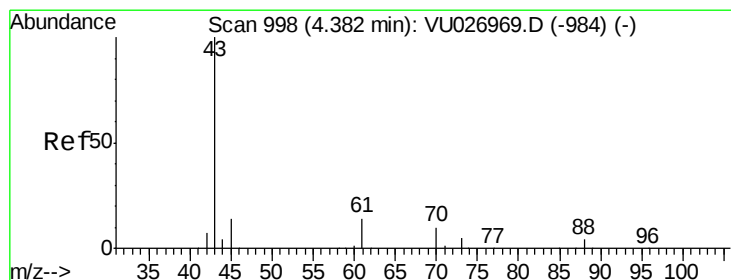
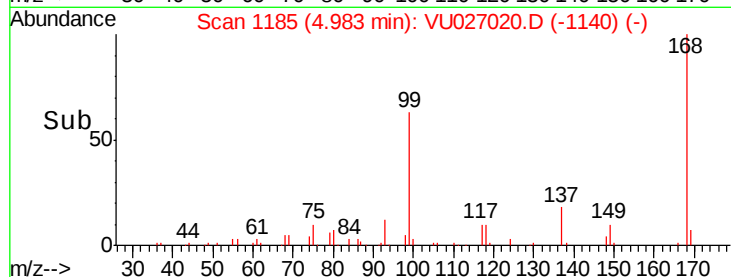
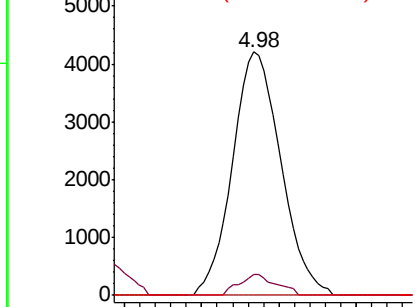
#36
 1,1-Dichloropropene
 Concen: 4.365 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

Instrument :
 MSVOA_U
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 BPSI-TT-MW306I-20180914

Tgt Ion: 75 Resp: 9152
 Ion Ratio Lower Upper
 75 100
 110 6.6 16.1 48.2#
 77 0.0 24.6 36.8#

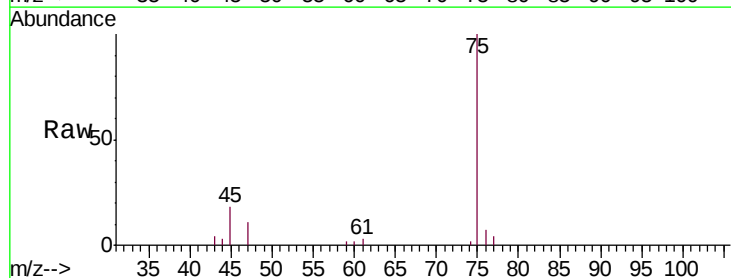


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

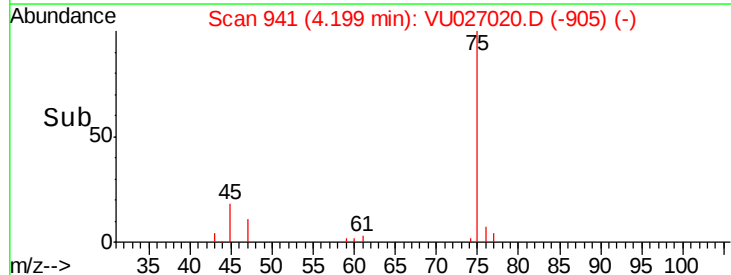
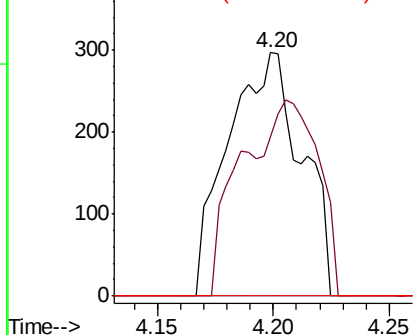


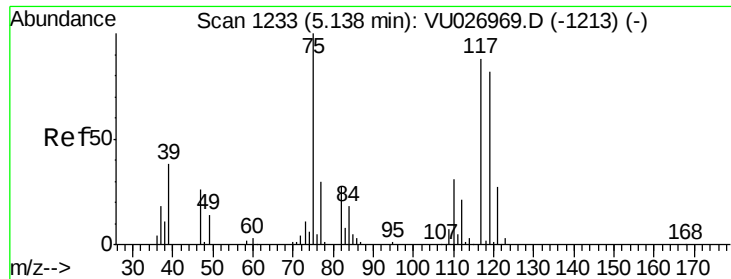
#37
 Ethyl Acetate
 Concen: 0.231 ug/l
 RT: 4.20 min Scan# 941
 Delta R.T. -0.18 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

Tgt Ion: 43 Resp: 656
 Ion Ratio Lower Upper
 43 100
 61 52.0 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

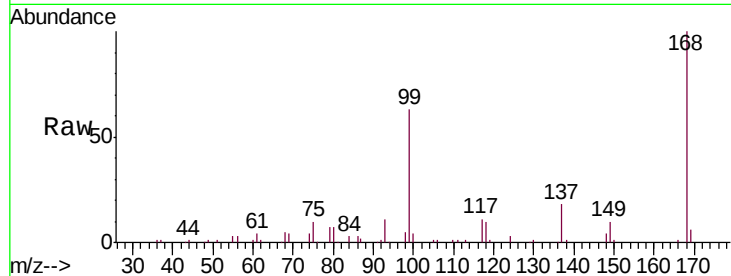




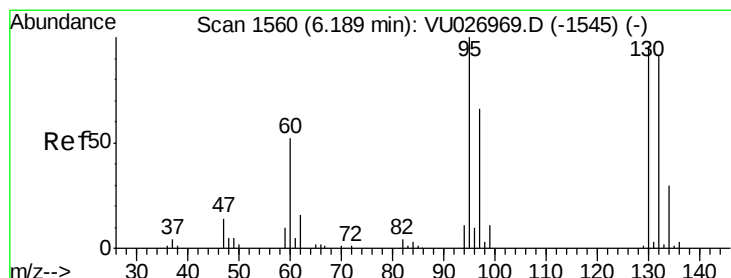
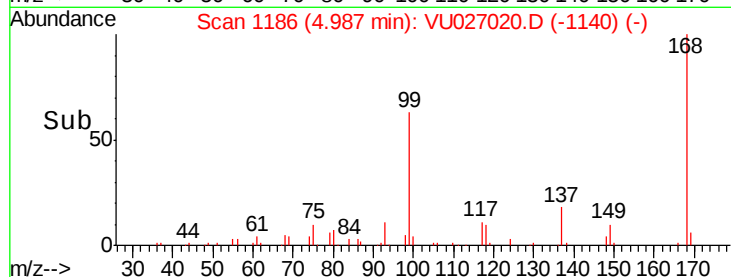
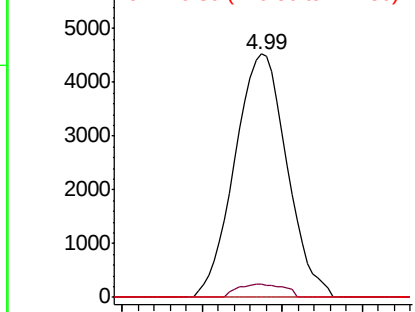
#38
Carbon Tetrachloride
Concen: 5.056 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW306I-20180914

Tgt Ion:117 Resp: 10089
Ion Ratio Lower Upper
117 100
119 5.3 74.4 111.6#
121 0.0 24.2 36.4#

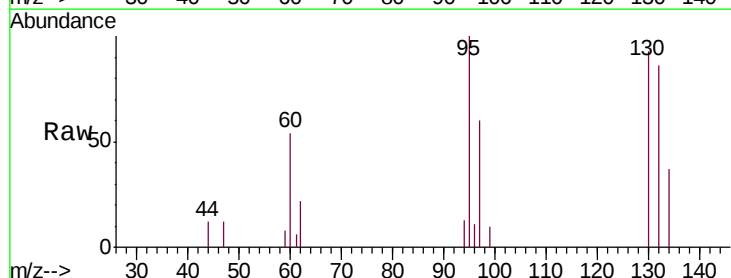


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

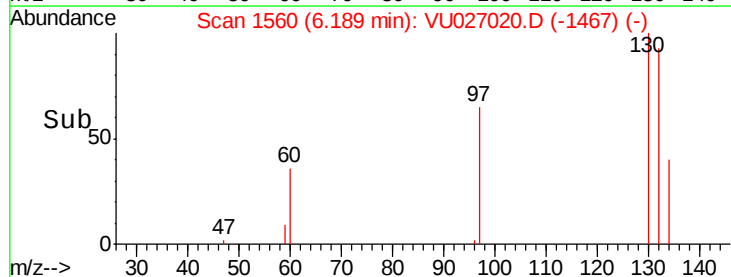
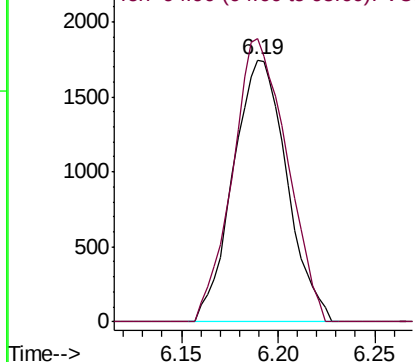


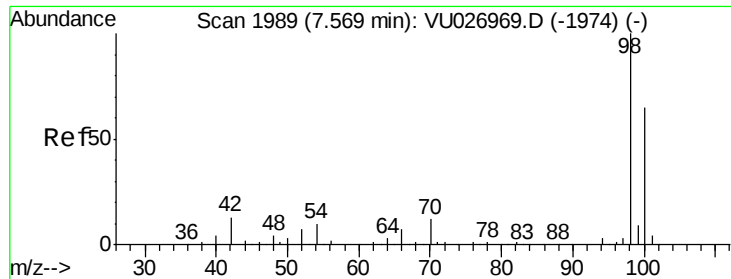
#44
Trichloroethene
Concen: 2.481 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Tgt Ion:130 Resp: 3366
Ion Ratio Lower Upper
130 100
95 108.0 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 46.603 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

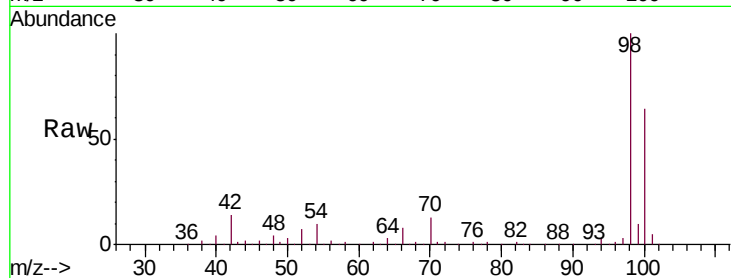
BPSI-TT-MW306I-20180914

Tgt Ion: 98 Resp: 241854

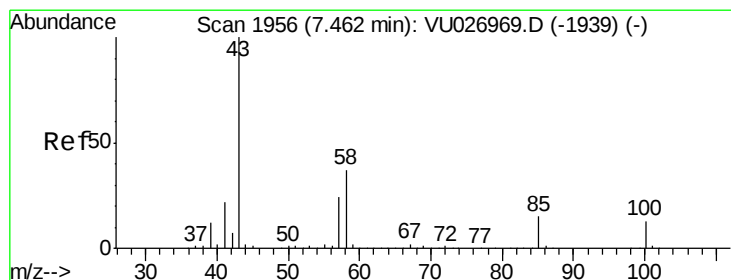
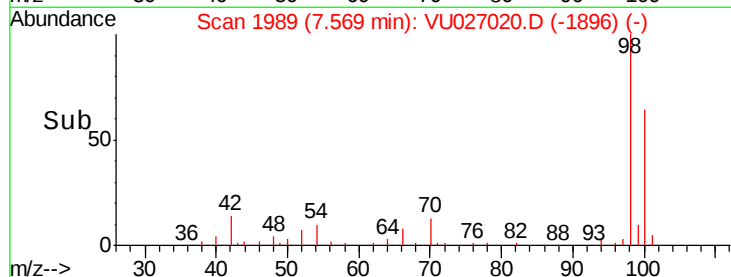
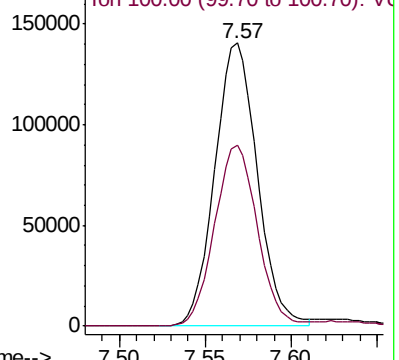
Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.440 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027020.D

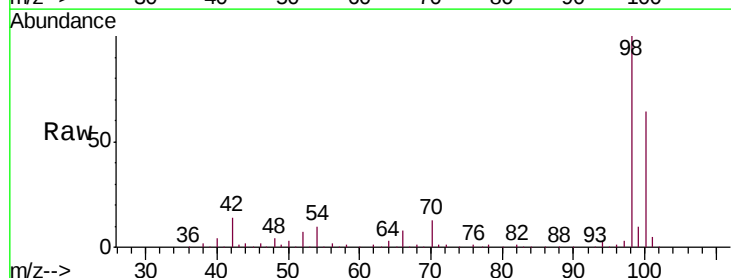
Acq: 22 Sep 2018 16:58

Tgt Ion: 43 Resp: 1226

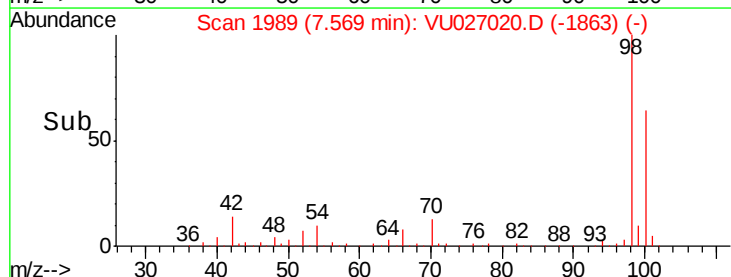
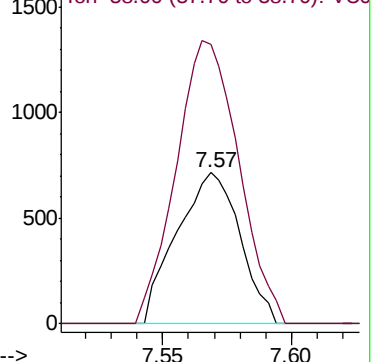
Ion Ratio Lower Upper

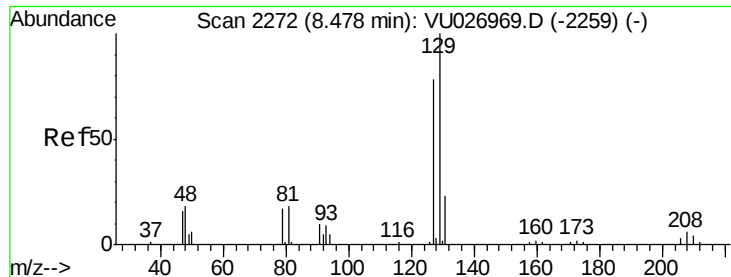
43 100

58 185.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

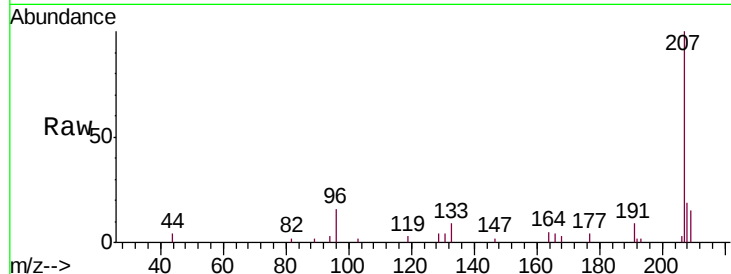




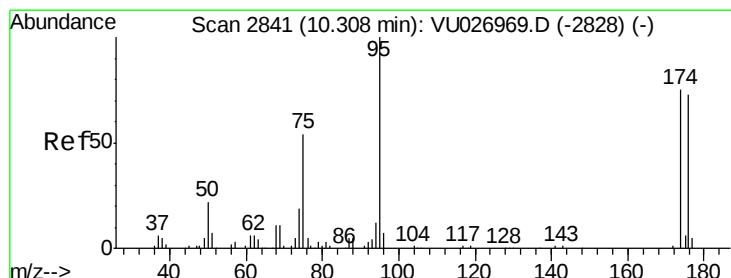
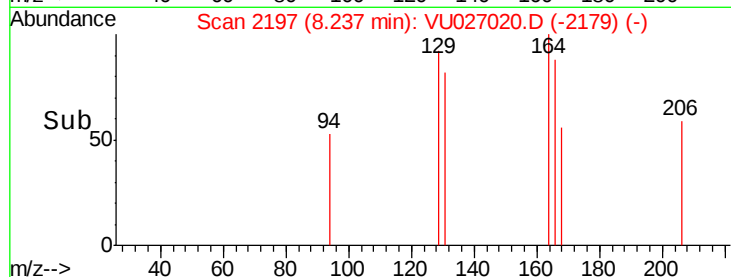
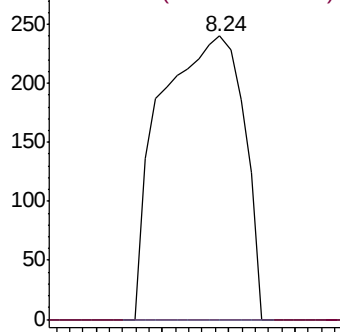
#60
 Dibromochloromethane
 Concen: 0.276 ug/l
 RT: 8.24 min Scan# 2197
 Delta R.T. -0.24 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW306I-20180914

Tgt Ion: 129 Resp: 419
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#

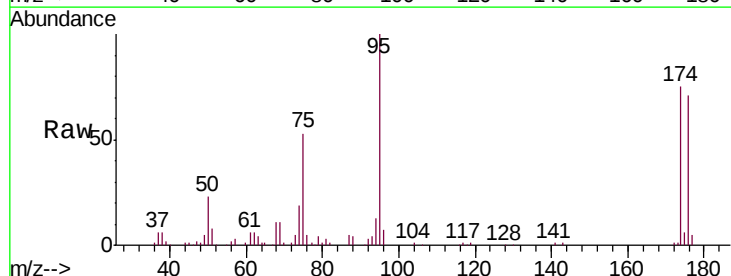


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

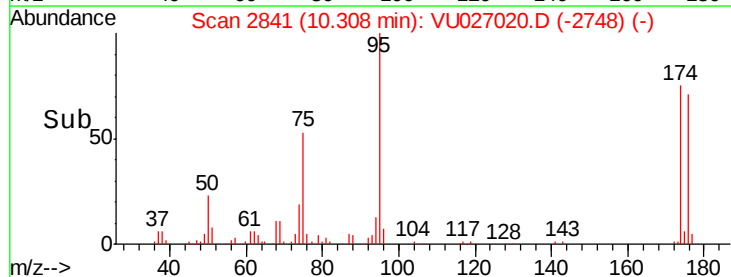
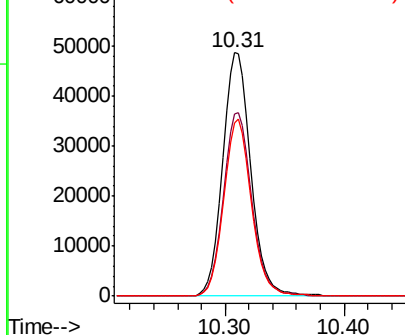


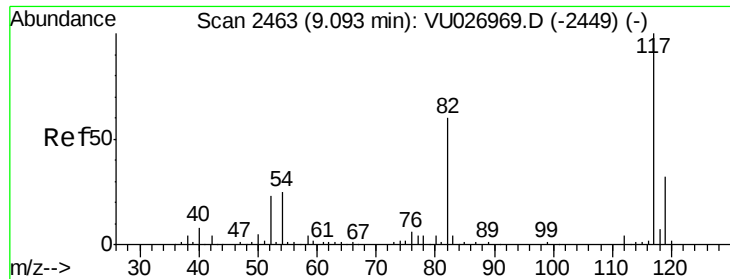
#62
 4-Bromofluorobenzene
 Concen: 44.739 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027020.D
 Acq: 22 Sep 2018 16:58

Tgt Ion: 95 Resp: 79669
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.2
 176 71.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

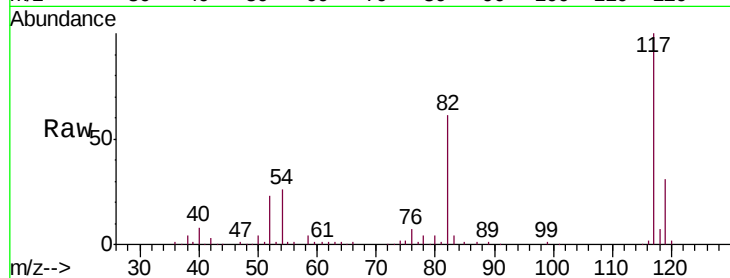




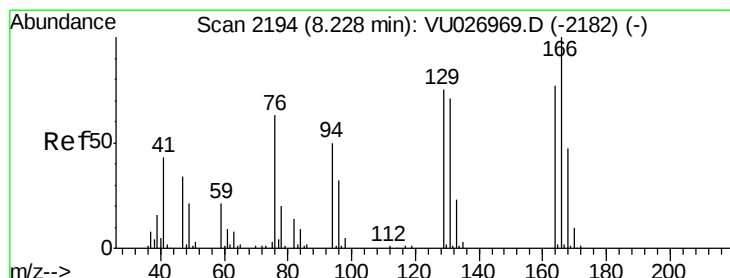
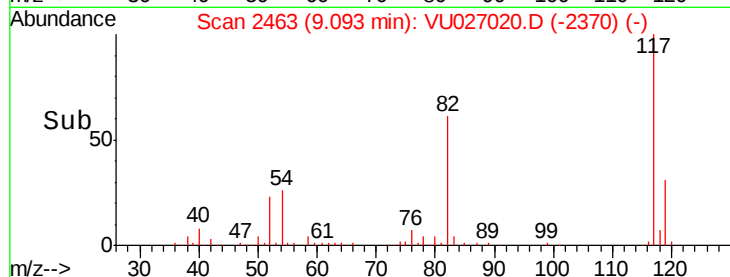
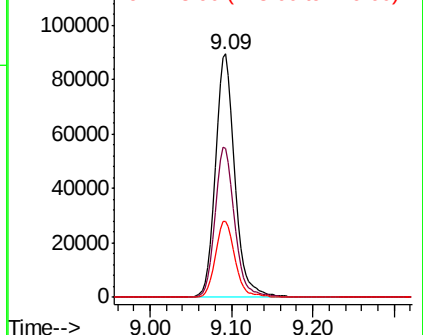
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW306I-20180914

Tgt Ion:117 Resp: 150913
Ion Ratio Lower Upper
117 100
82 60.9 48.0 72.0
119 31.3 25.8 38.8



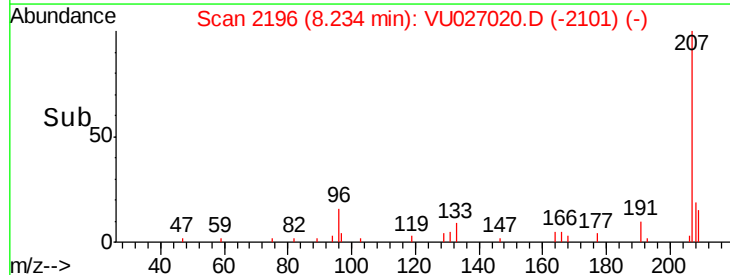
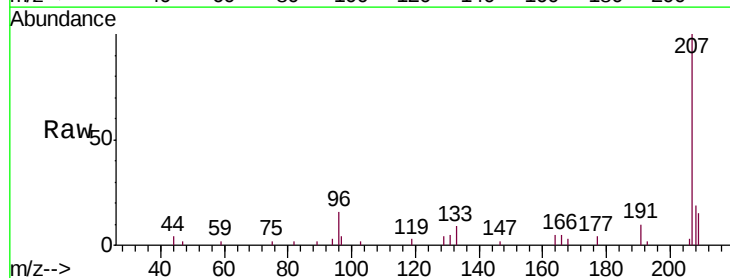
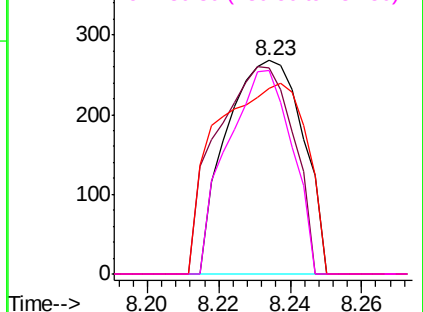
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

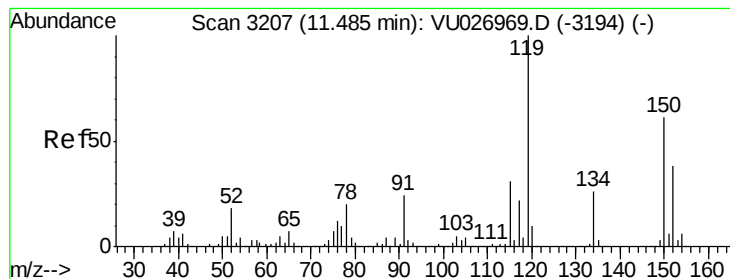


#64
Tetrachloroethene
Concen: 0.340 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Tgt Ion:164 Resp: 395
Ion Ratio Lower Upper
164 100
166 96.6 104.4 156.6#
129 86.9 78.7 118.1
131 95.1 73.9 110.9

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



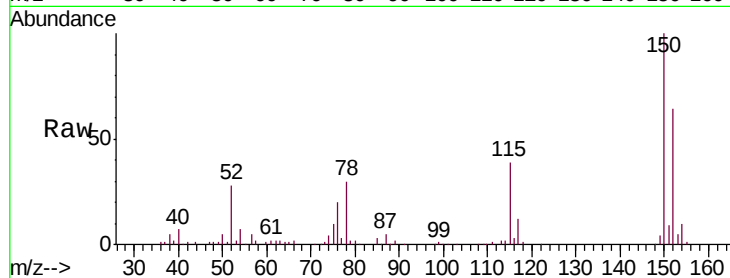


#72

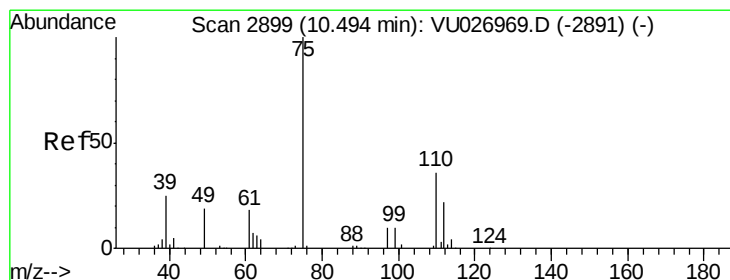
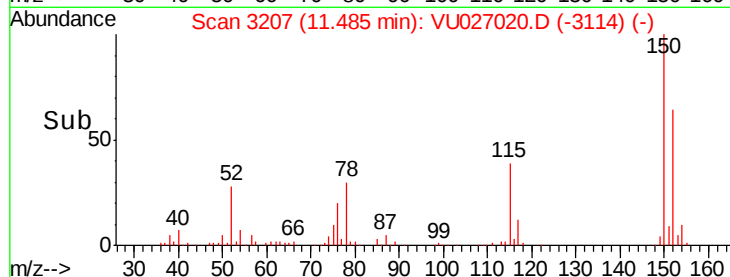
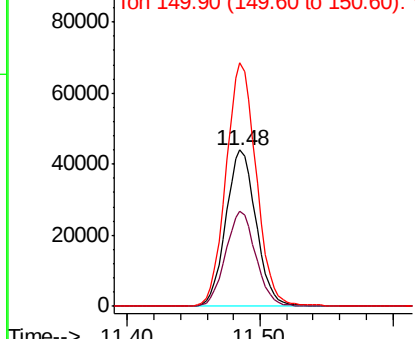
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW306I-20180914

Tgt Ion:152 Resp: 69641
Ion Ratio Lower Upper
152 100
115 60.7 44.9 134.5
150 156.4 0.0 355.8



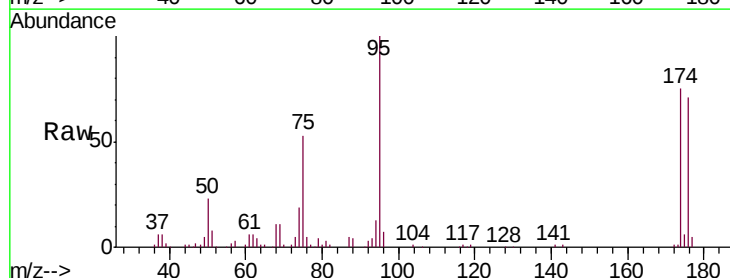
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



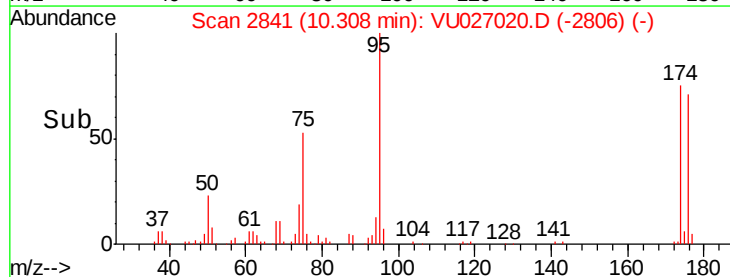
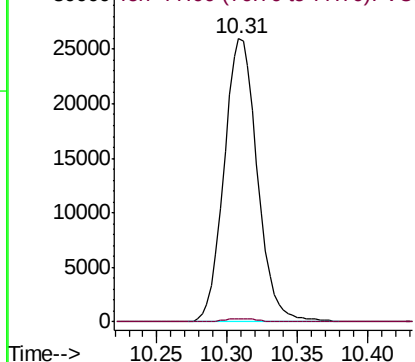
#76

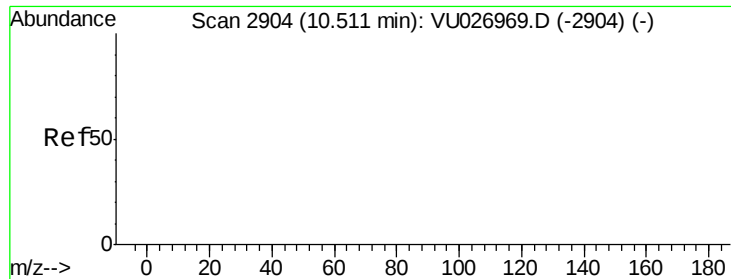
1,2,3-Trichloropropane
Concen: 20.225 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027020.D
Acq: 22 Sep 2018 16:58

Tgt Ion: 75 Resp: 42789
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.8#



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: 64.723 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027020.D

Acq: 22 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW306I-20180914

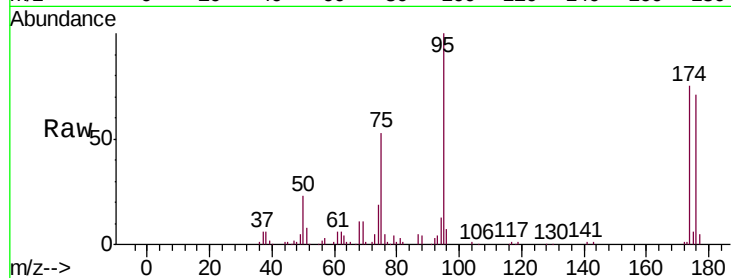
Tgt Ion: 75 Resp: 42789

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

