

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027157.D
 Acq On : 26 Sep 2018 03:39
 Operator : MD/SY
 Sample : J4980-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304I2-20180917

Quant Time: Sep 26 06:04:40 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	82521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61166	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	90774	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	4.89	113	62248	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	7.57	98	229695	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	10.31	95	72457	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

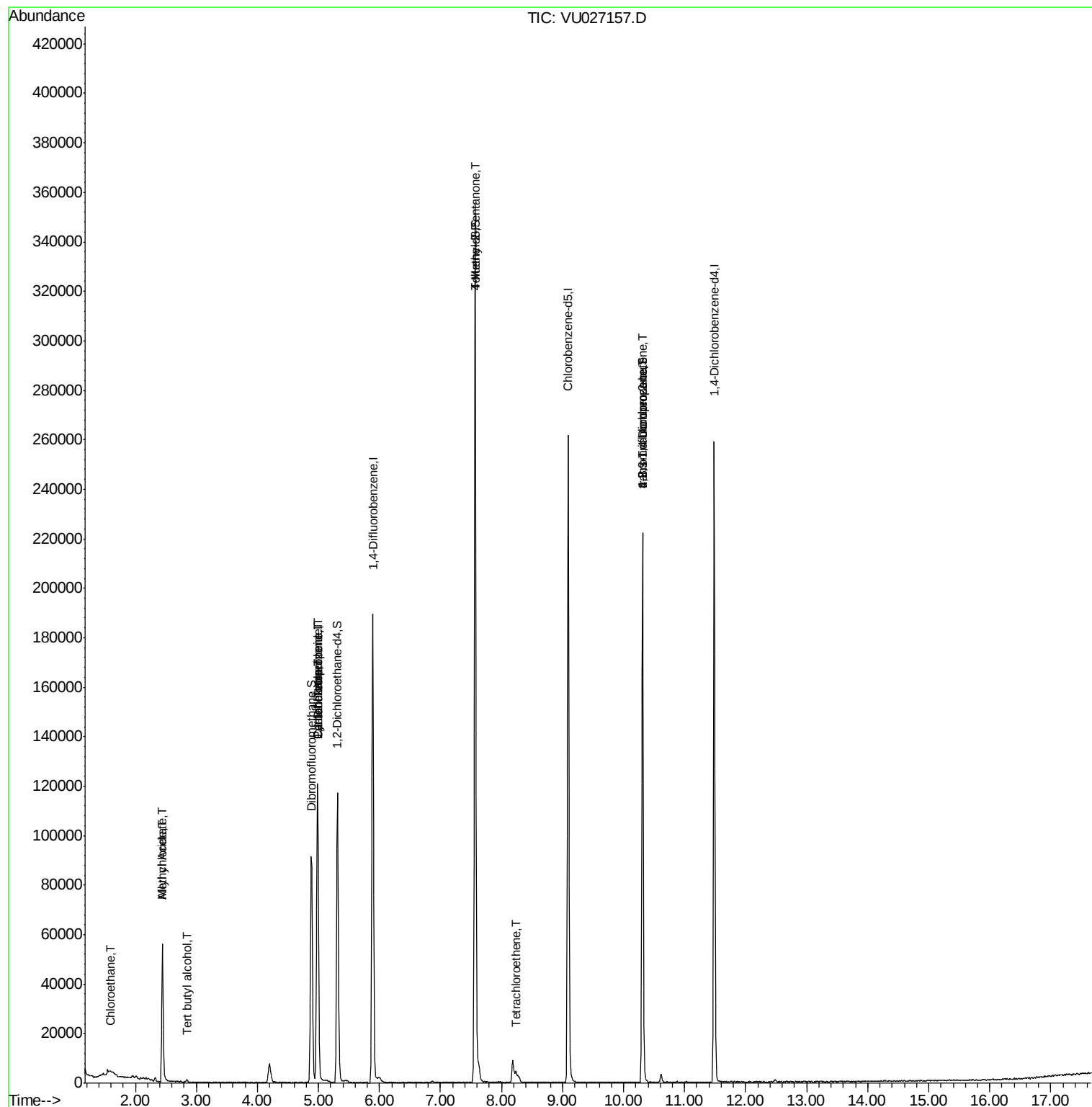
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	3010	2.717	ug/l #	43
11) Tert butyl alcohol	2.84	59	659	1.731	ug/l #	72
14) Allyl chloride	2.44	41	5668	2.452	ug/l #	72
16) Acetone	2.32	43	1737	Below Cal		93
18) Methyl Acetate	2.44	43	13577	5.743	ug/l #	55
31) Cyclohexane	4.99	56	2346	0.377	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8252	4.326	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8795	4.845	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1081	0.427	ug/l #	1
64) Tetrachloroethene	8.23	164	248	0.236	ug/l #	80
76) 1,2,3-Trichloropropane	10.31	75	40460	21.774	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	40460	69.680	ug/l #	100

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

Instrument :

MSVOA_U

ClientSampleId :

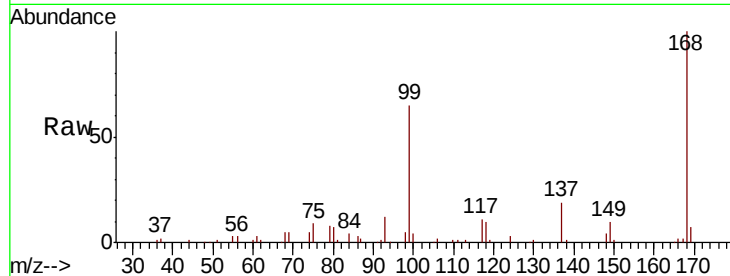
BPSI-TT-MW304I2-20180917

Tot Ion:168 Resp: 82521

Ion Ratio Lower Upper

168 100

99 64.7 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

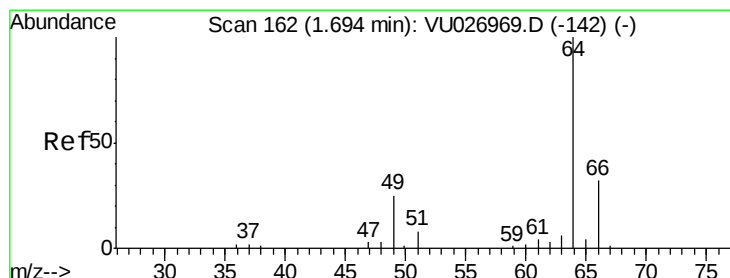
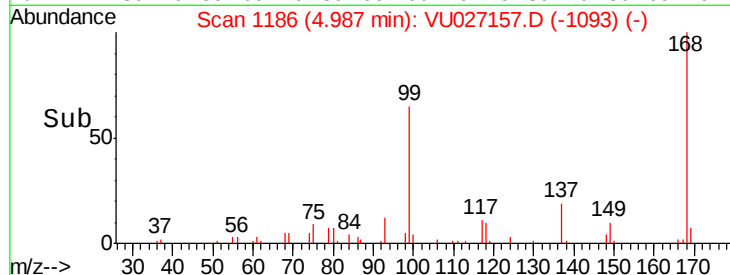
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 2.717 ug/l

RT: 1.59 min Scan# 129

Delta R.T. -0.11 min

Lab File: VU027157.D

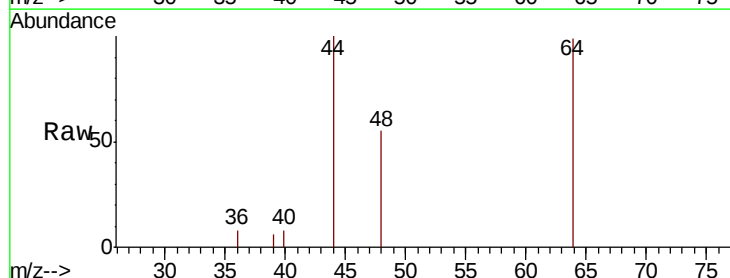
Acq: 26 Sep 2018 03:39

Tgt Ion: 64 Resp: 3010

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.59

2000

1500

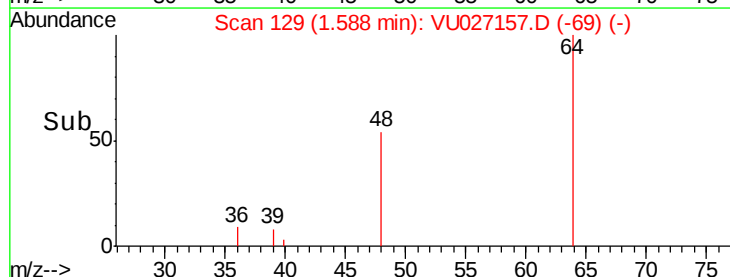
1000

500

0

1.50 1.55 1.60

Time-->



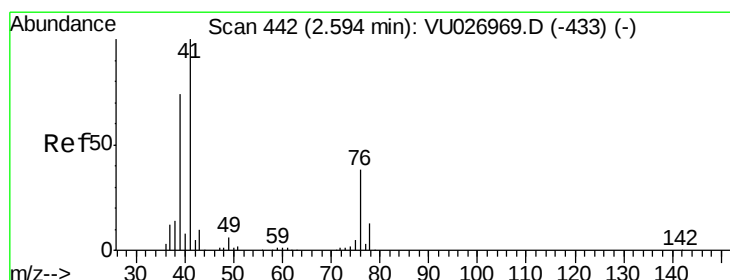
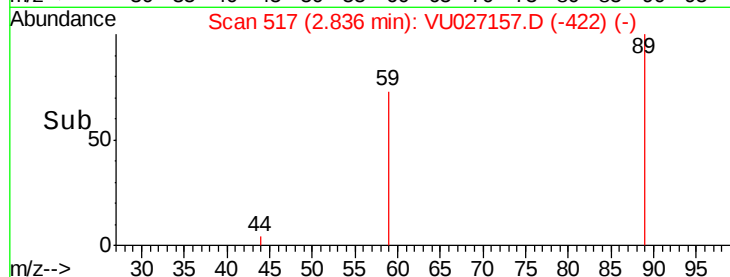
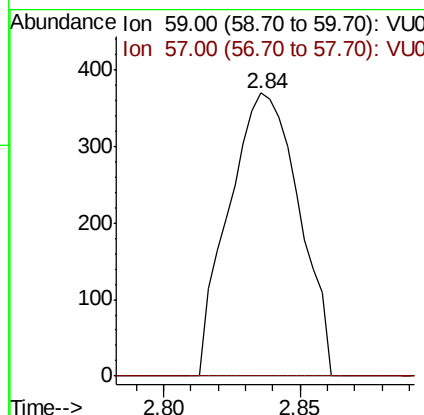
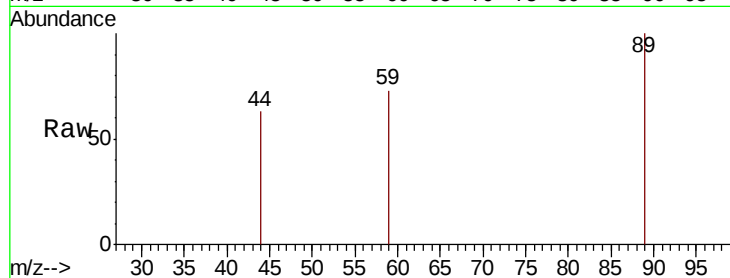


#11

Tert butyl alcohol
 Concen: 1.731 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30412-20180917

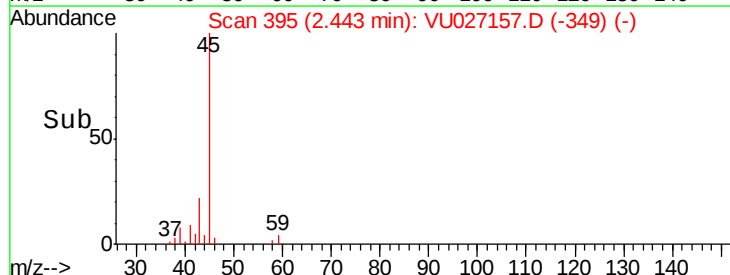
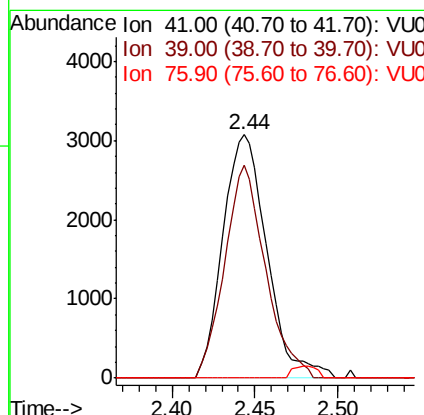
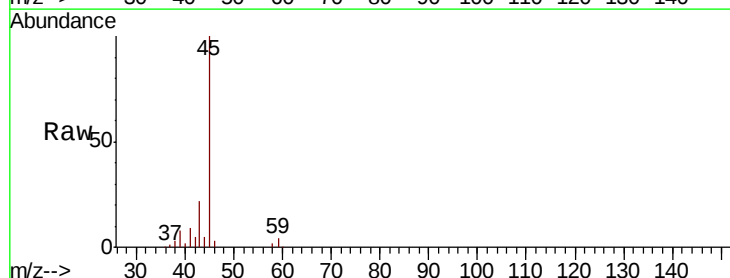
Tot Ion: 59 Resp: 659
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 2.452 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Tgt Ion: 41 Resp: 5668
 Ion Ratio Lower Upper
 41 100
 39 81.2 55.7 83.5
 76 0.0 26.5 39.7#

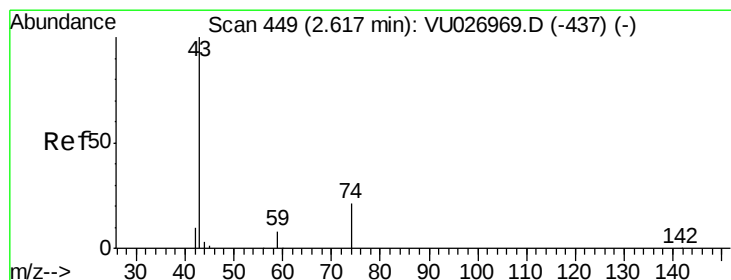
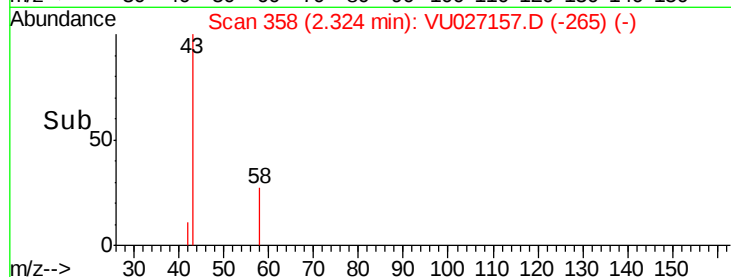
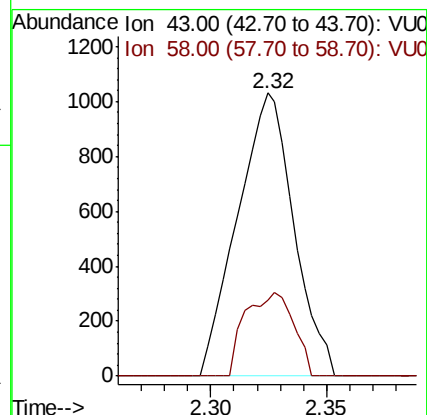
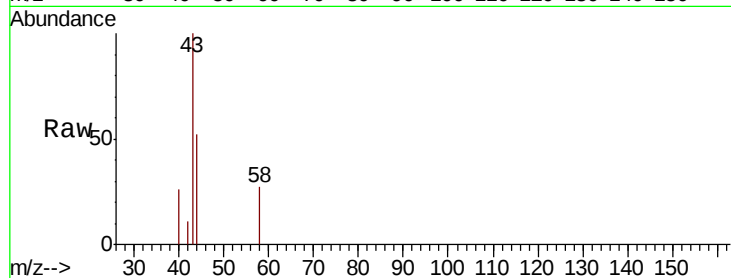




#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027157.D
Acq: 26 Sep 2018 03:39

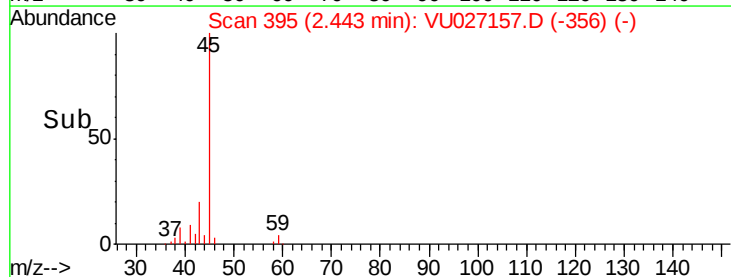
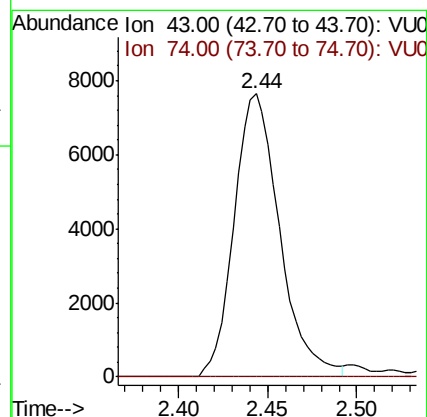
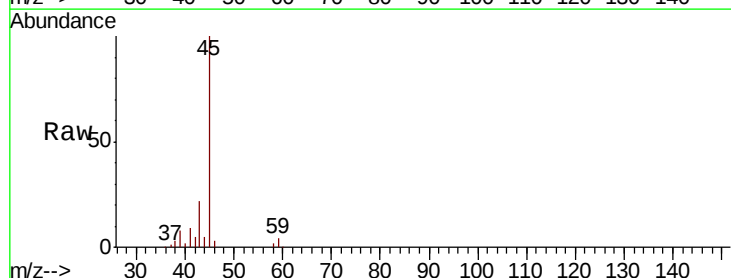
Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30412-20180917

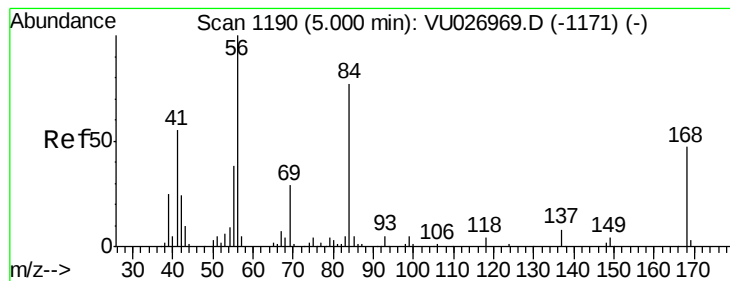
Tot Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
58 27.0 24.6 36.8



#18
Methyl Acetate
Concen: 5.743 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027157.D
Acq: 26 Sep 2018 03:39

Tgt Ion: 43 Resp: 13577
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#





#31

Cyclohexane

Concen: 0.377 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW304I2-20180917

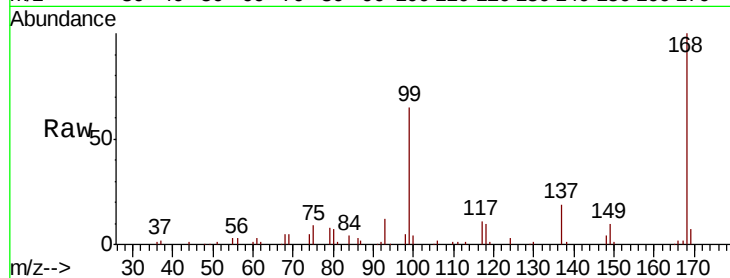
Tot Ion: 56 Resp: 2346

Ion Ratio Lower Upper

56 100

69 168.8 23.0 34.4#

84 134.0 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

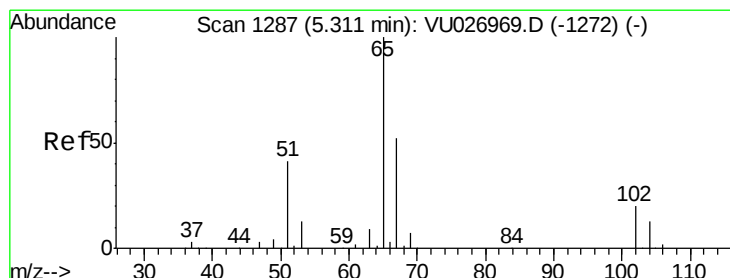
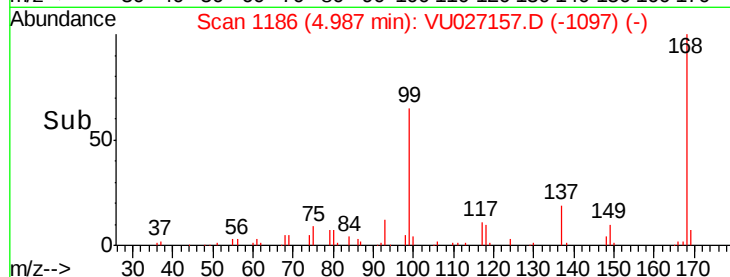
Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

Time-->

4.95 5.00 5.05

4.99



#33

1,2-Dichloroethane-d4

Concen: 54.654 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027157.D

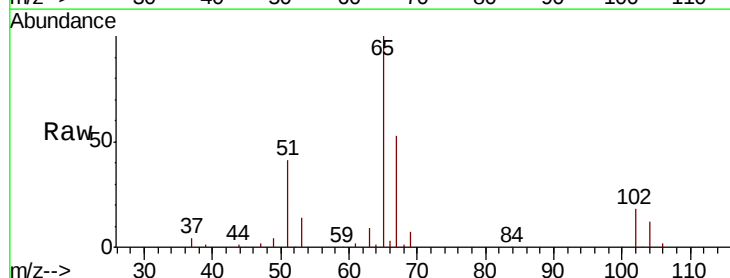
Acq: 26 Sep 2018 03:39

Tgt Ion: 65 Resp: 90774

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.6



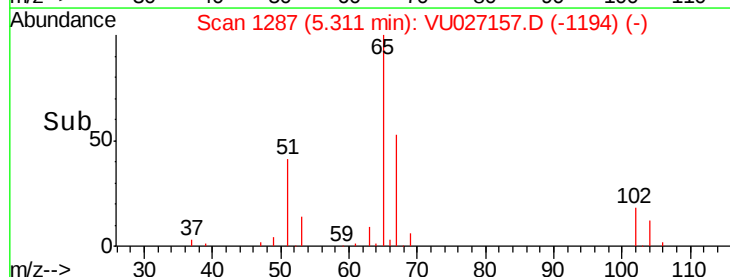
Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

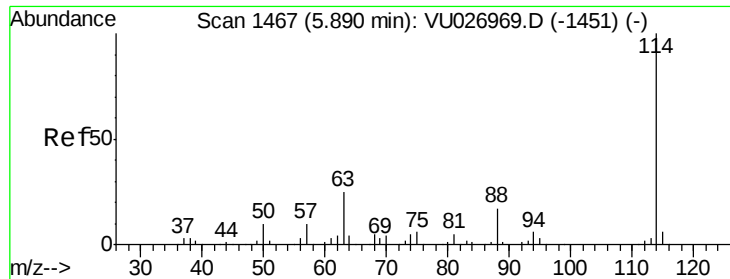
Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

Time-->

5.20 5.25 5.30 5.35 5.40

5.31

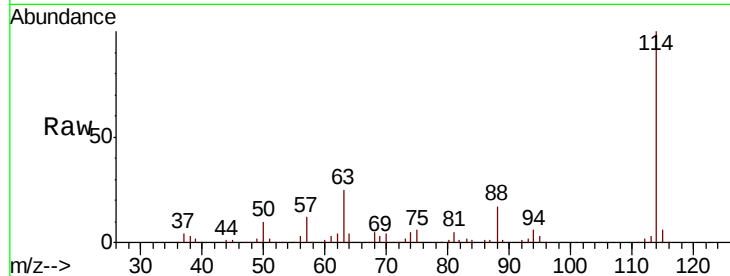




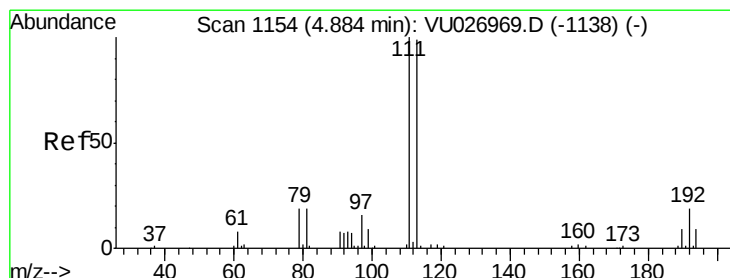
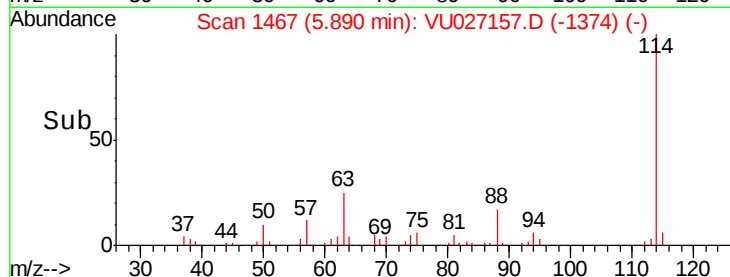
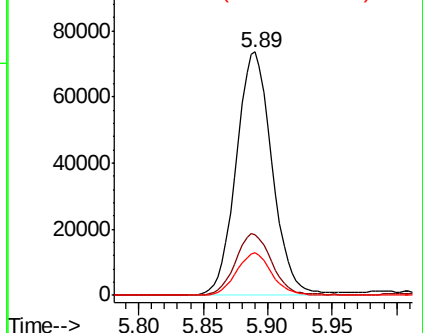
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304I2-20180917

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	17.3	0.0	33.8

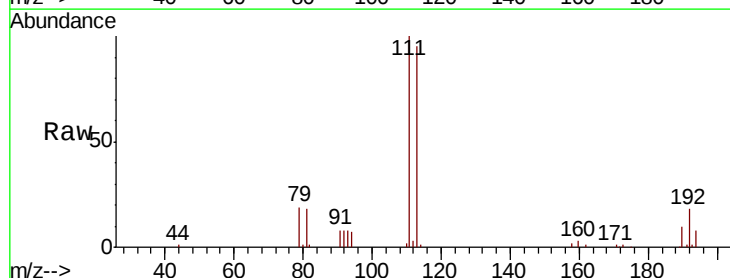


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

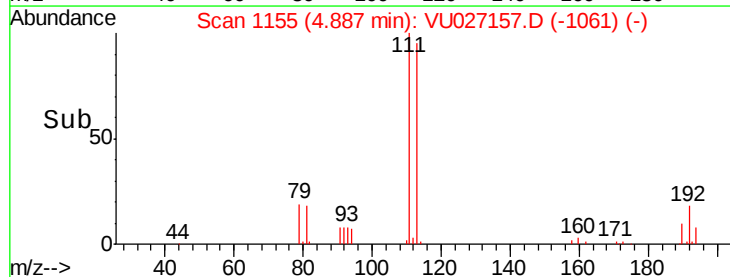
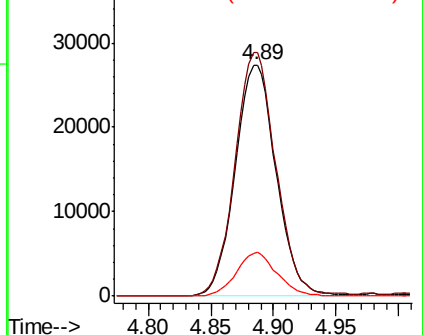


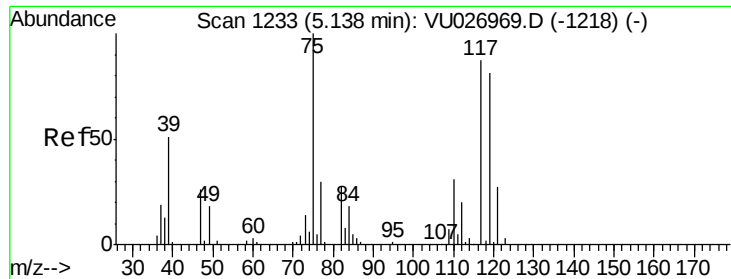
#35
 Dibromofluoromethane
 Concen: 50.244 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	18.6	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

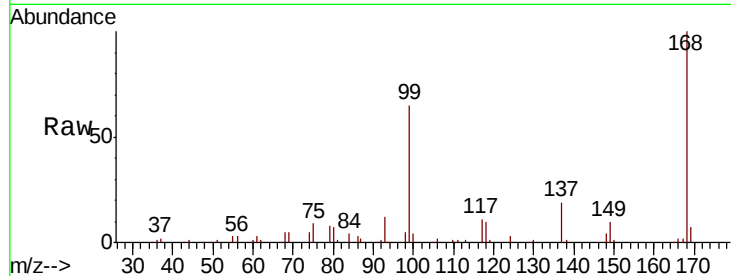




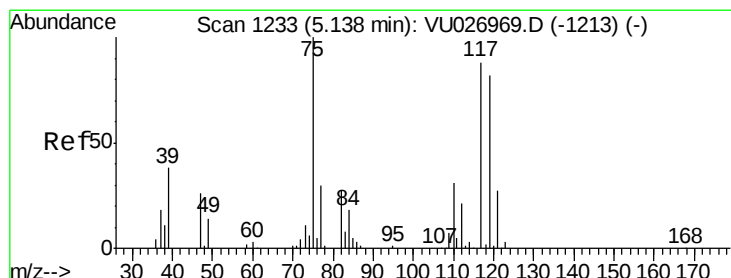
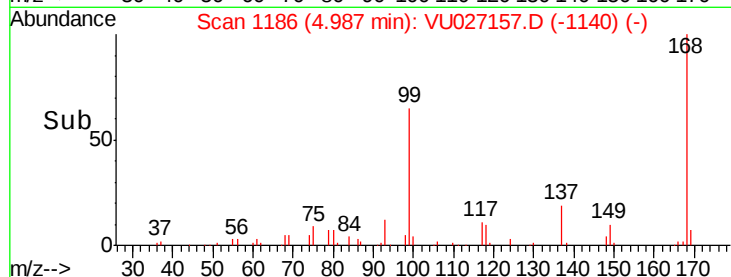
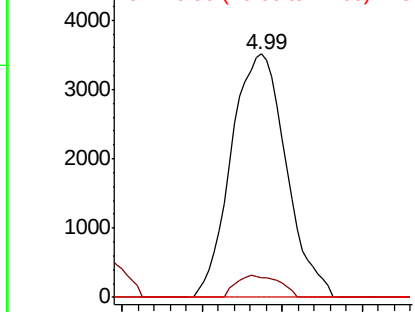
#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304I2-20180917

Tot Ion: 75 Resp: 8252
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.1 48.2#
 77 0.0 24.6 36.8#

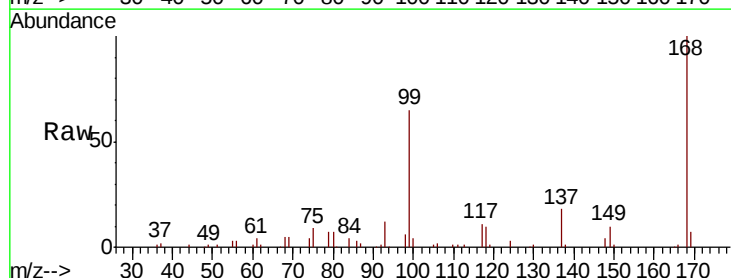


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

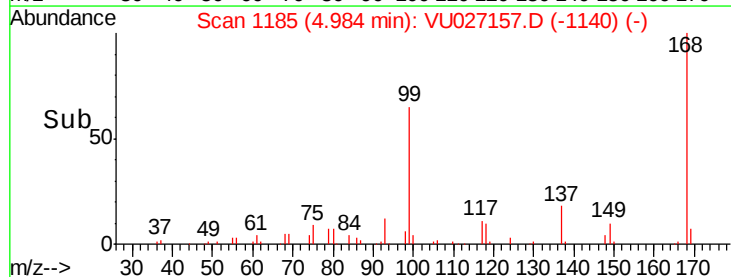
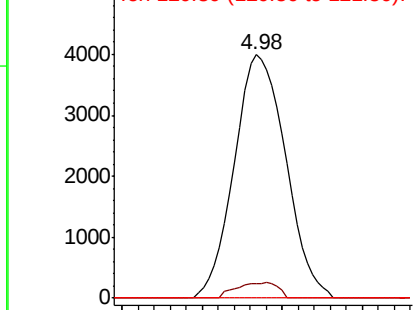


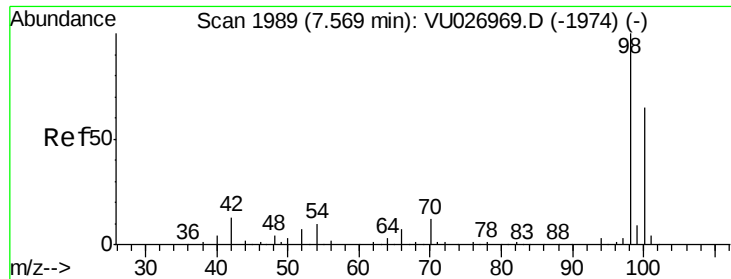
#38
 Carbon Tetrachloride
 Concen: 4.845 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027157.D
 Acq: 26 Sep 2018 03:39

Tgt Ion: 117 Resp: 8795
 Ion Ratio Lower Upper
 117 100
 119 6.0 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





#50

Toluene-d8

Concen: 48.648 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

Instrument :

MSVOA_U

ClientSampleId :

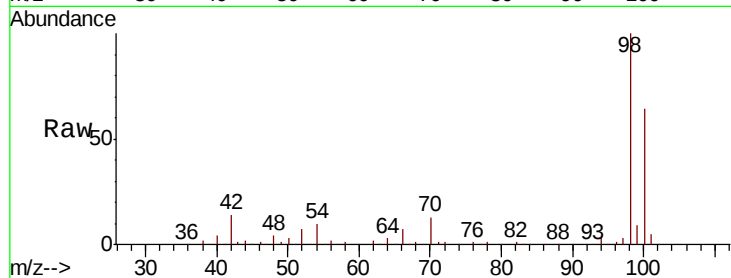
BPSI-TT-MW304I2-20180917

Tot Ion: 98 Resp: 229695

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



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

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

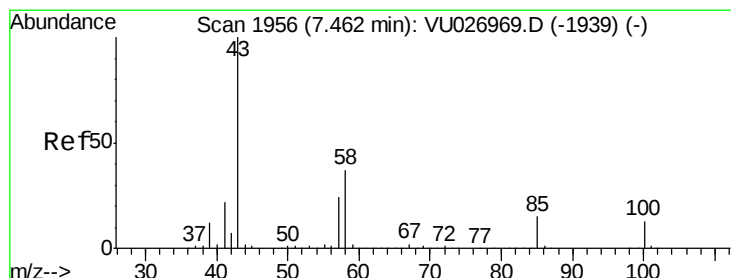
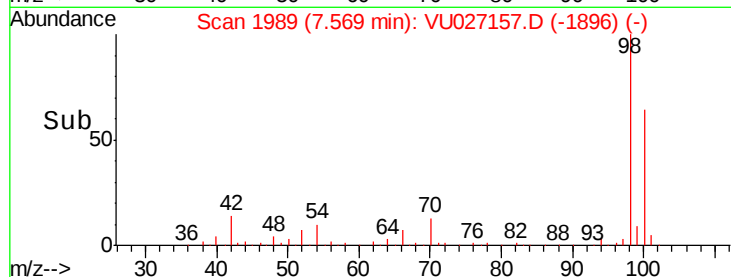
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.427 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027157.D

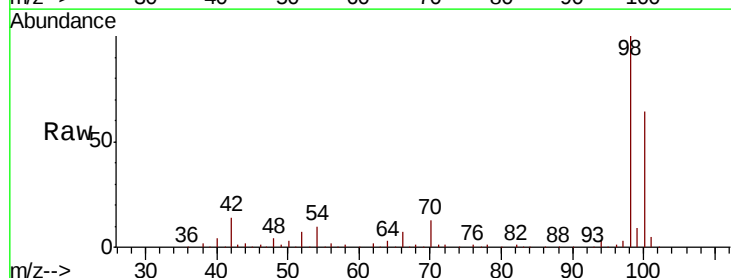
Acq: 26 Sep 2018 03:39

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

58 194.3 29.8 44.6#



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

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.57

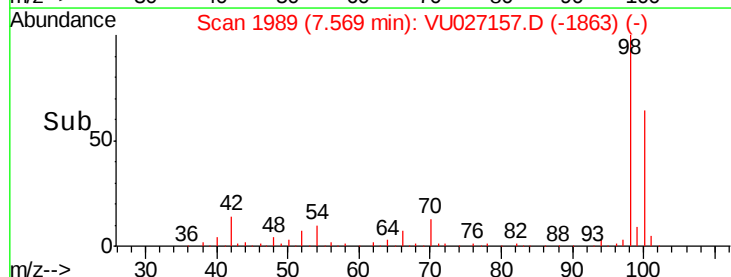
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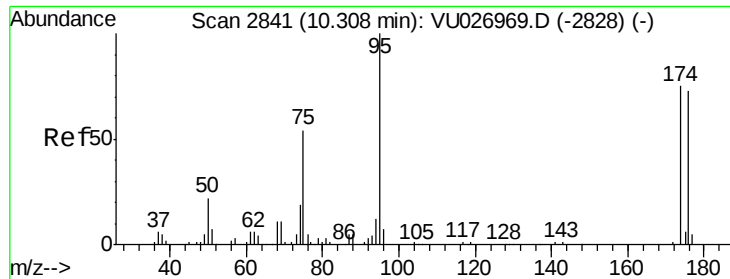
500

0

7.55 7.60

Time-->

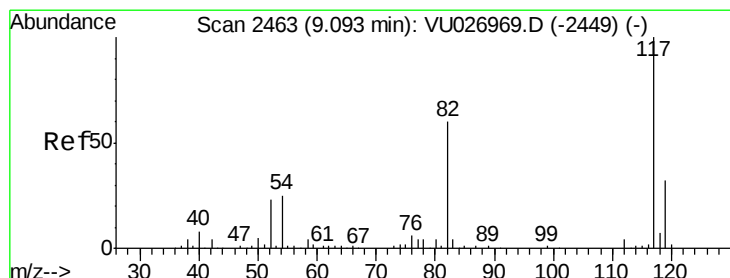
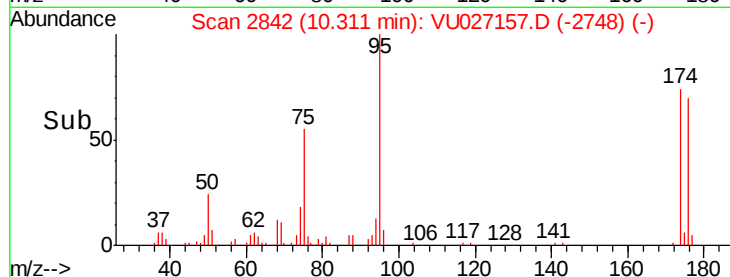
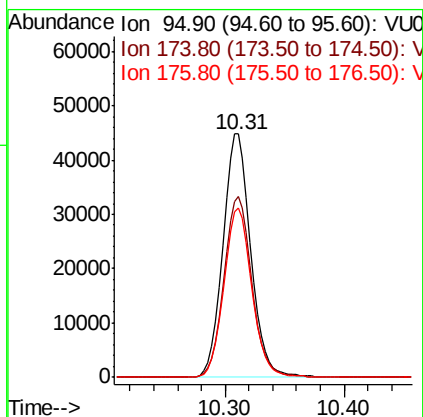
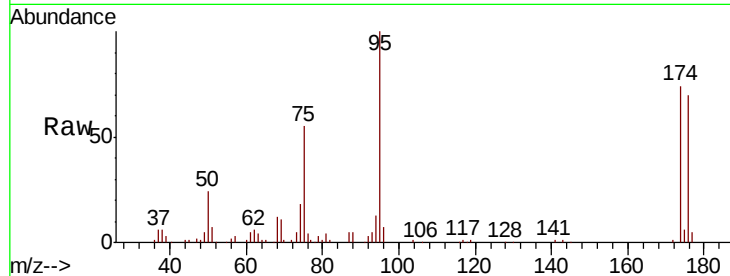




#62
4-Bromofluorobenzene
Concen: 44.723 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027157.D
Acq: 26 Sep 2018 03:39

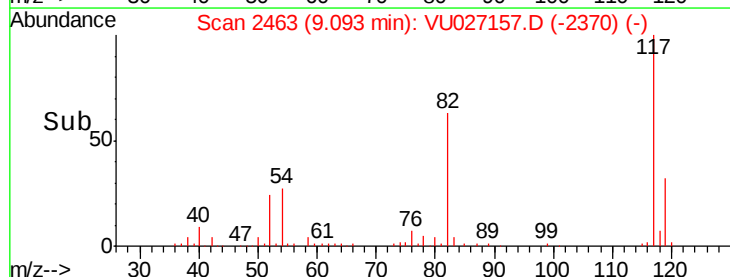
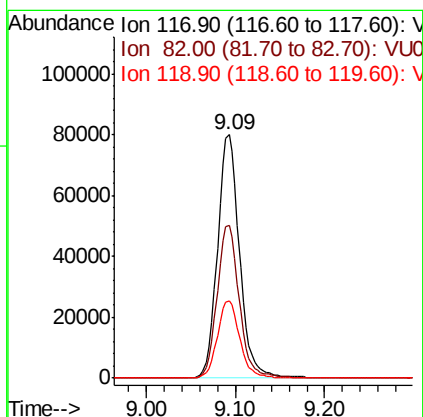
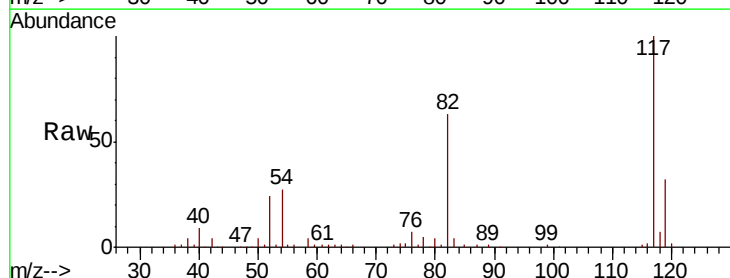
Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30412-20180917

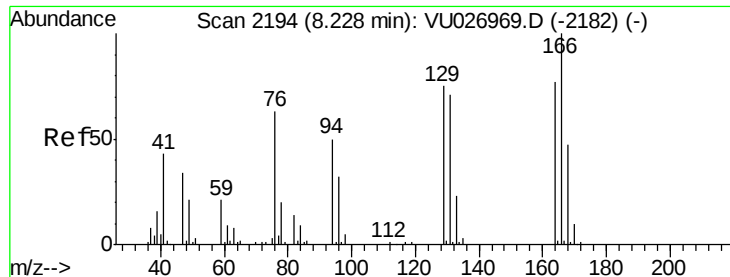
Tot Ion: 95 Resp: 72457
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.2
176 70.1 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027157.D
Acq: 26 Sep 2018 03:39

Tgt Ion: 117 Resp: 136631
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 31.8 25.8 38.8





#64

Tetrachloroethene

Concen: 0.236 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW304I2-20180917

Tot Ion:164 Resp: 248

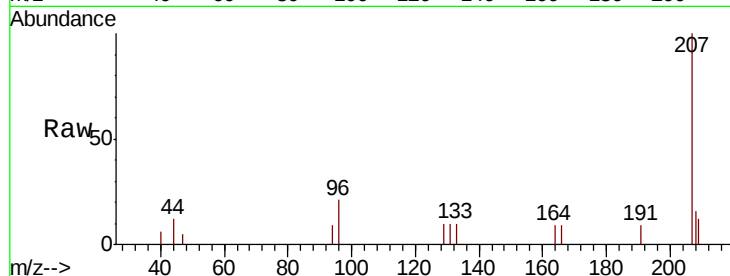
Ion Ratio Lower Upper

164 100

166 103.2 104.4 156.6#

129 111.7 78.7 118.1

131 112.8 73.9 110.9#

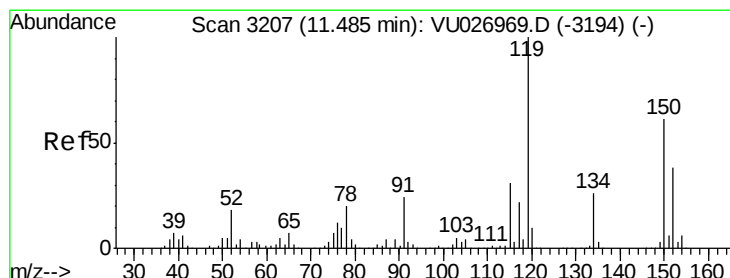
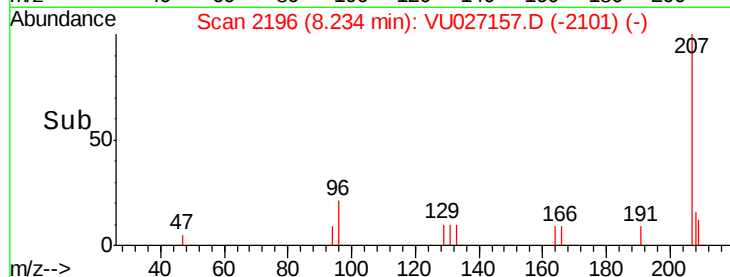
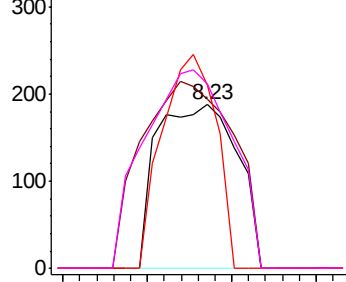


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU027157.D

Acq: 26 Sep 2018 03:39

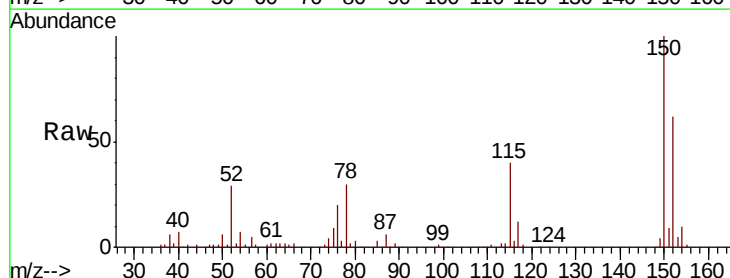
Tgt Ion:152 Resp: 61166

Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

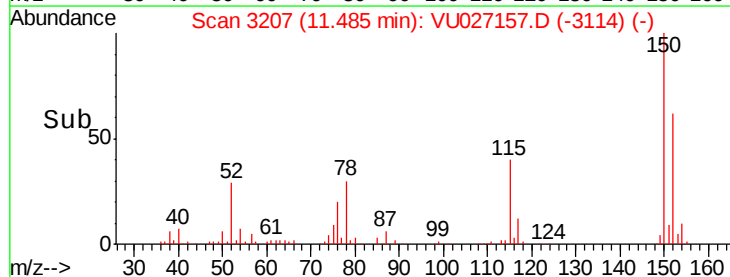
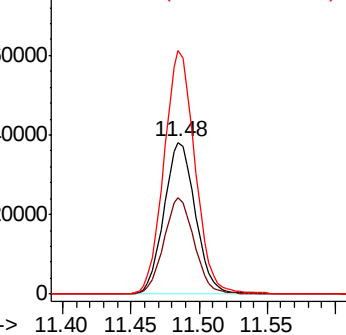
150 158.3 0.0 355.8

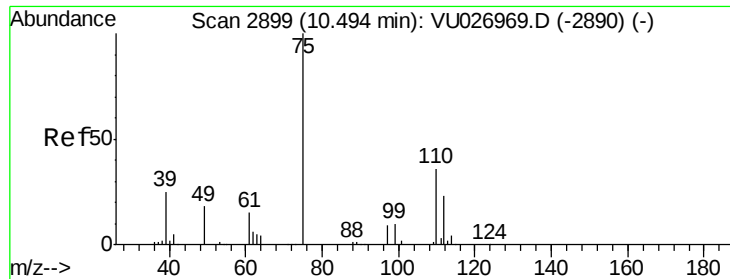


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.774 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

Instrument :

MSVOA_U

ClientSampleId :

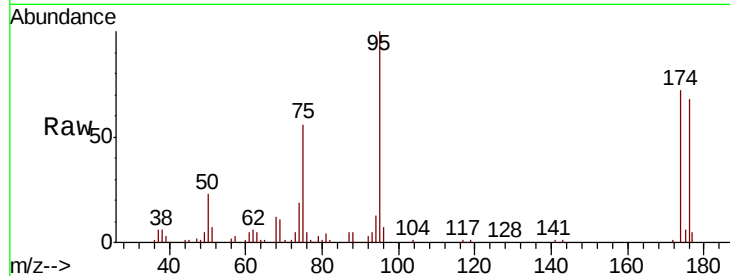
BPSI-TT-MW304I2-20180917

Tot Ion: 75 Resp: 40460

Ion Ratio Lower Upper

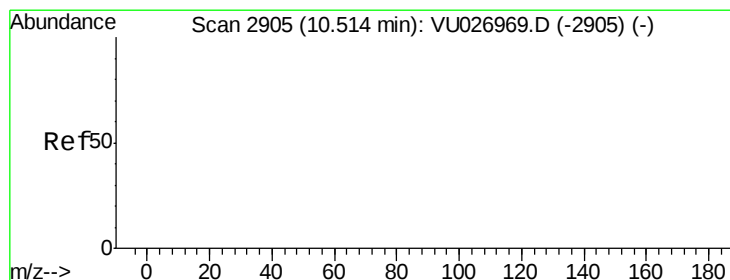
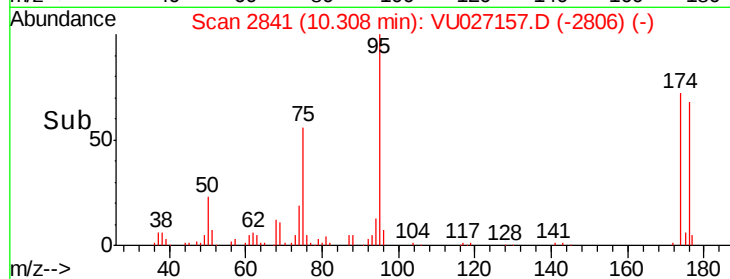
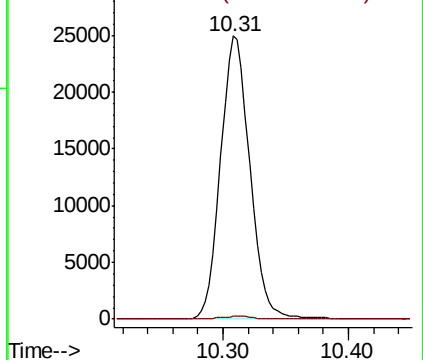
75 100

77 1.0 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: 69.680 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027157.D

Acq: 26 Sep 2018 03:39

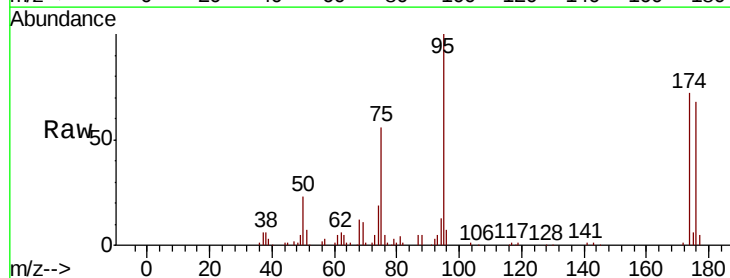
Tgt Ion: 75 Resp: 40460

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

