

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027098.D
 Acq On : 24 Sep 2018 11:07
 Operator : MD/SY
 Sample : J4980-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304S-20180917

Quant Time: Sep 25 01:33:50 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	94162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159364	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	70363	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	97794	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.20%		
35) Dibromofluoromethane	4.89	113	67108	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.16%		
50) Toluene-d8	7.57	98	258767	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.30%		
62) 4-Bromofluorobenzene	10.31	95	82848	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.72%		

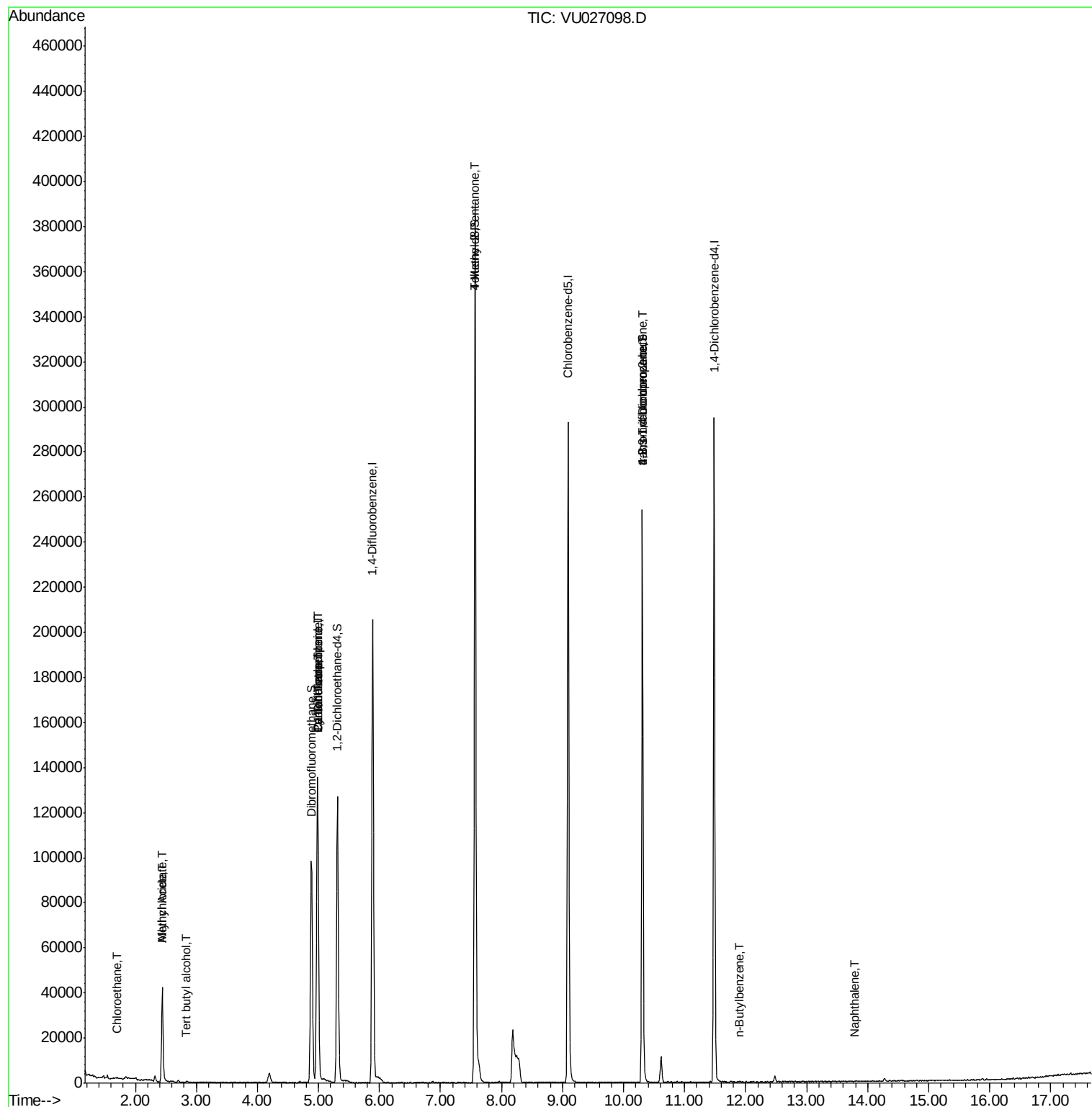
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	277	0.219	ug/l #	43
11) Tert butyl alcohol	2.83	59	267	0.615	ug/l #	72
14) Allyl chloride	2.44	41	3859	1.463	ug/l #	68
16) Acetone	2.32	43	3103	Below Cal		95
18) Methyl Acetate	2.44	43	10560	3.915	ug/l #	55
31) Cyclohexane	4.98	56	2541	0.328	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9081	4.270	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10368	5.122	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1275	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44465	20.801	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44465	66.568	ug/l #	100
89) n-Butylbenzene	11.90	91	151	2.422	ug/l #	33
95) Naphthalene	13.78	128	42	1.696	ug/l #	69

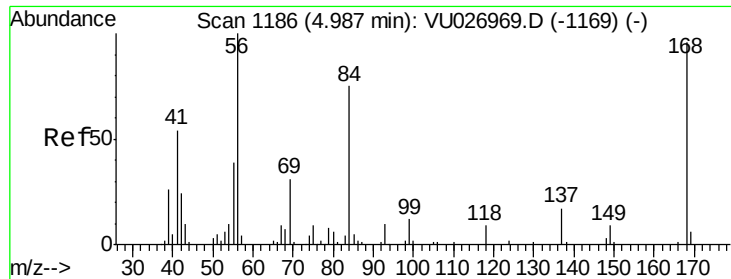
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027098.D

Acq: 24 Sep 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

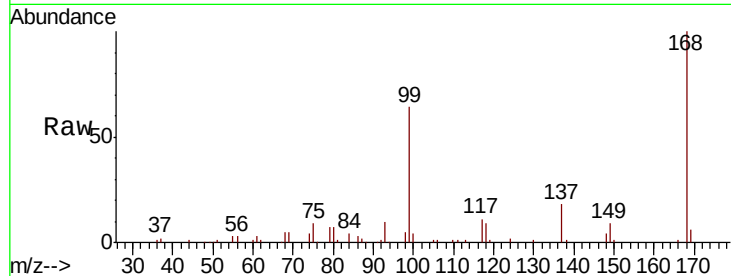
BPSI-TT-MW304S-20180917

Tgt Ion:168 Resp: 94162

Ion Ratio Lower Upper

168 100

99 63.7 48.1 72.1



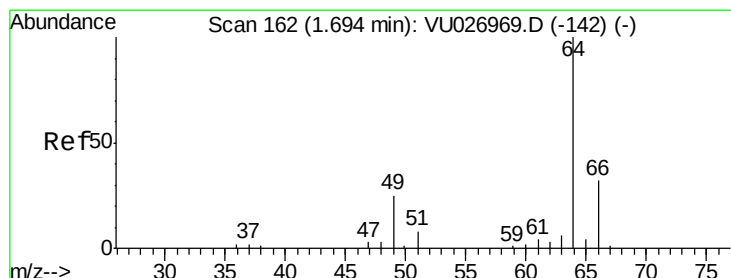
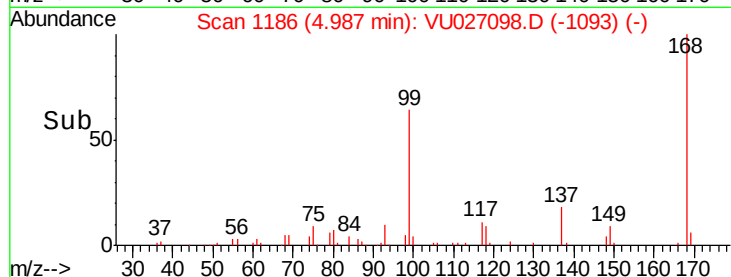
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027098.D

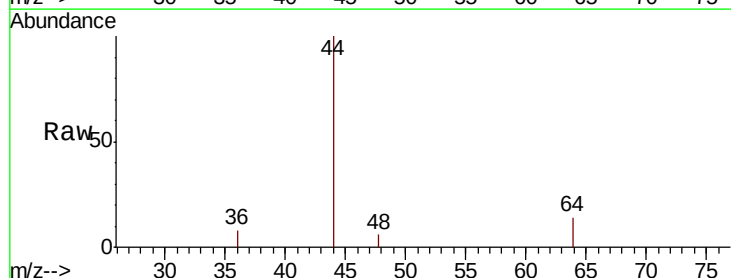
Acq: 24 Sep 2018 11:07

Tgt Ion: 64 Resp: 277

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



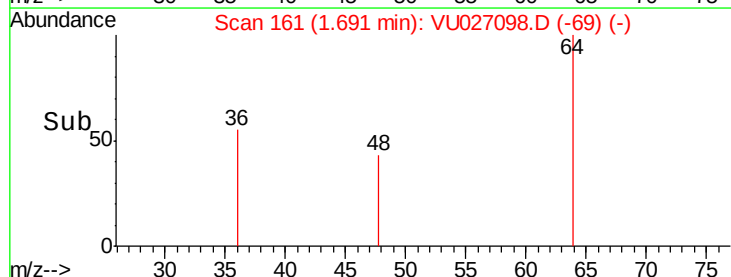
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

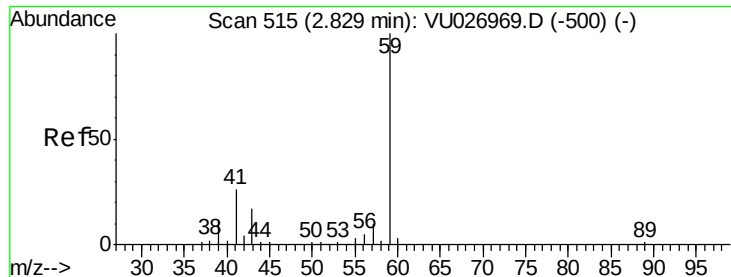
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

1.64 1.66 1.68 1.70 1.72

Time-->



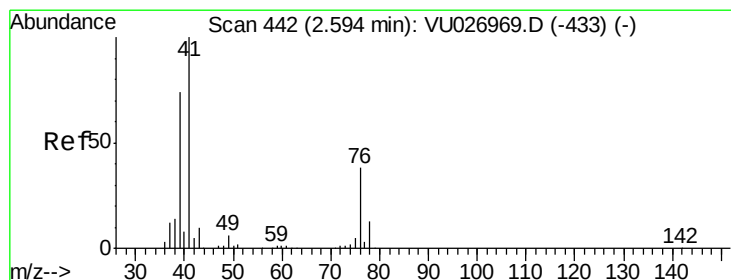
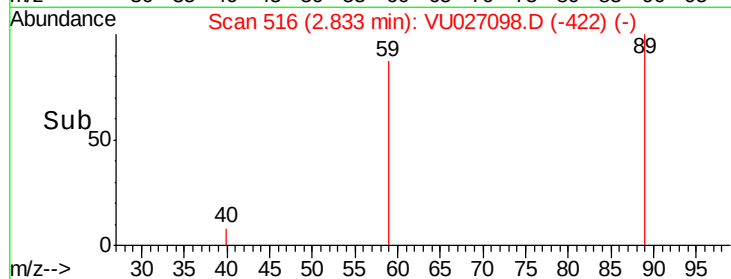
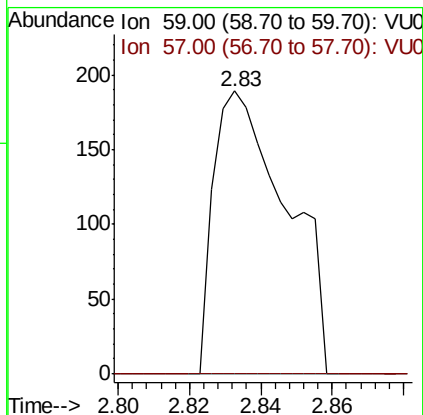
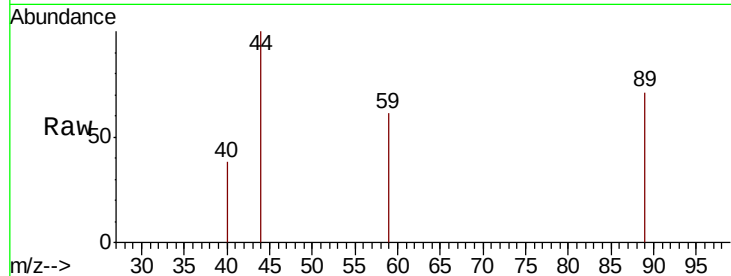


#11

Tert butyl alcohol
 Concen: 0.615 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304S-20180917

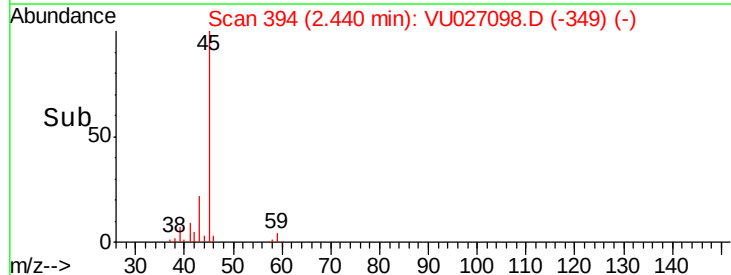
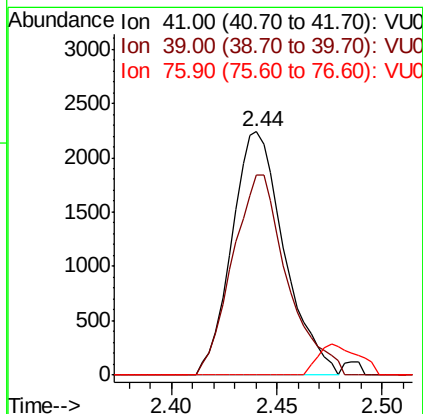
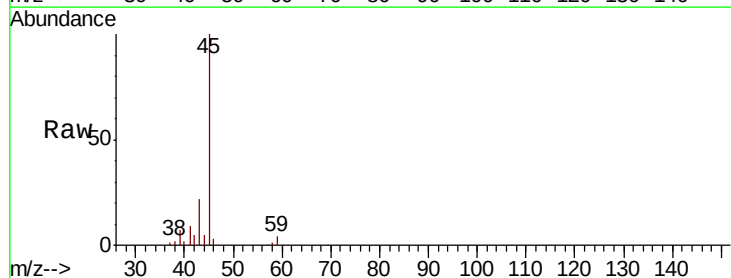
Tgt Ion: 59 Resp: 267
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

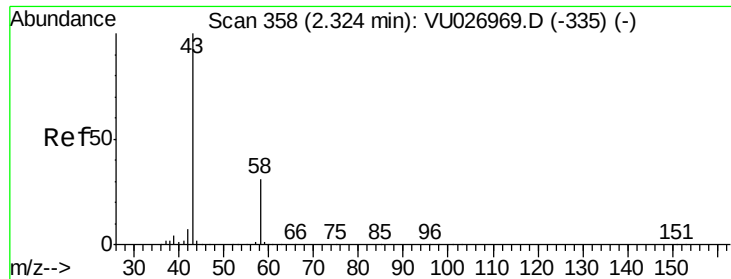


#14

Allyl chloride
 Concen: 1.463 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Tgt Ion: 41 Resp: 3859
 Ion Ratio Lower Upper
 41 100
 39 85.9 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: VU027098.D

Acq: 24 Sep 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

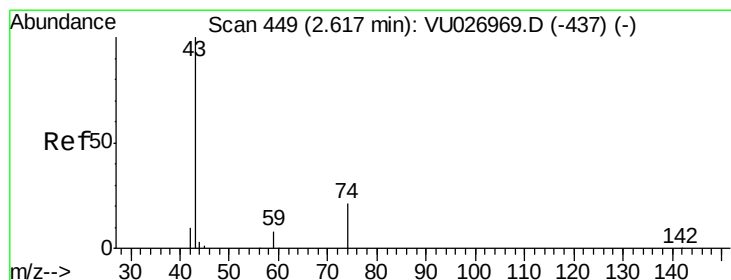
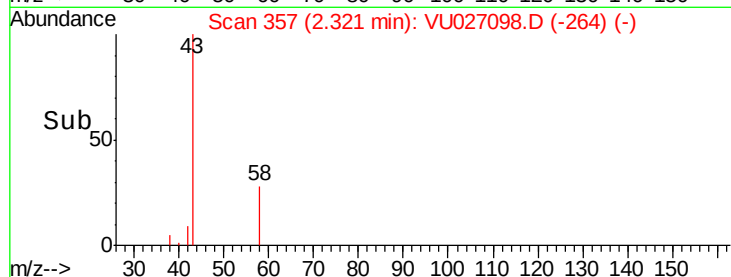
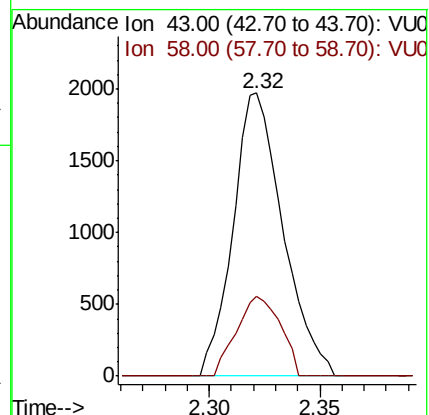
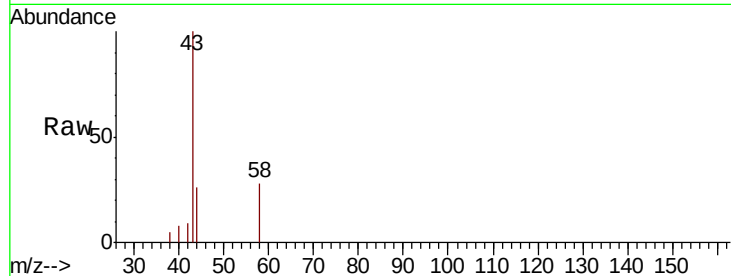
BPSI-TT-MW304S-20180917

Tgt Ion: 43 Resp: 3103

Ion Ratio Lower Upper

43 100

58 28.2 24.6 36.8



#18

Methyl Acetate

Concen: 3.915 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027098.D

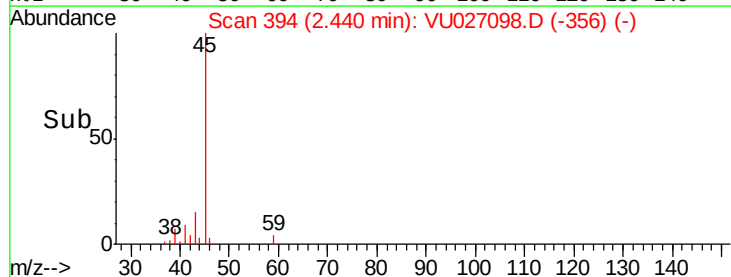
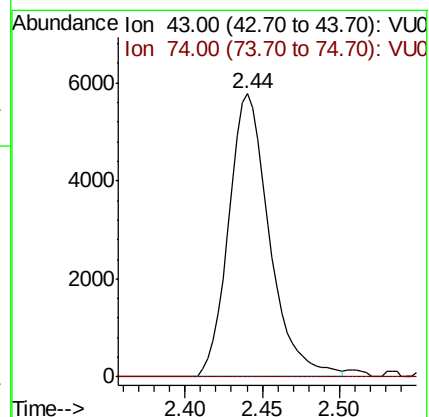
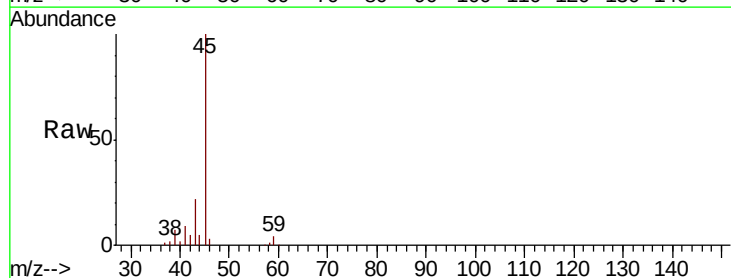
Acq: 24 Sep 2018 11:07

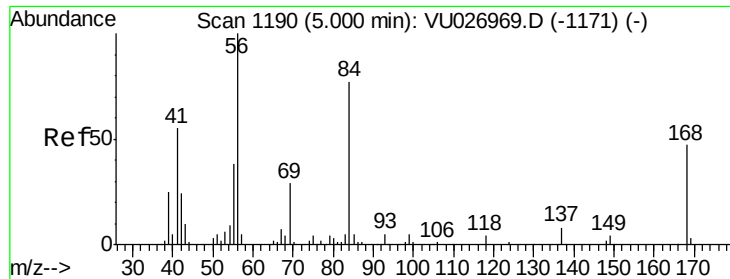
Tgt Ion: 43 Resp: 10560

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

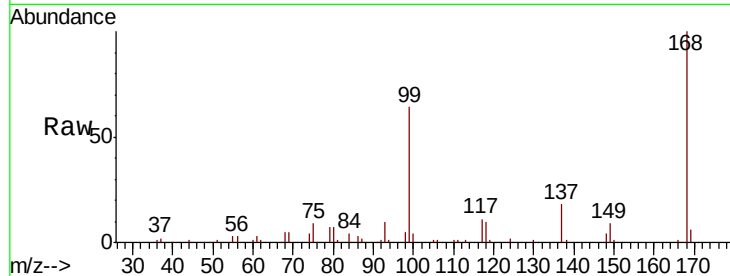




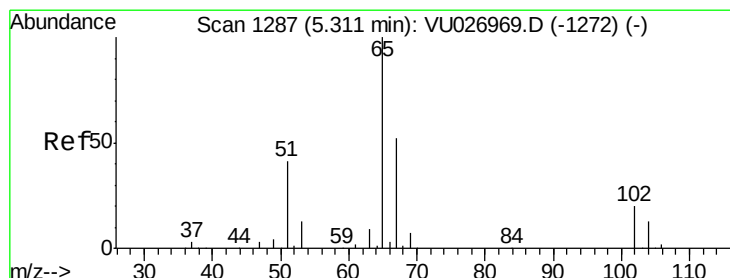
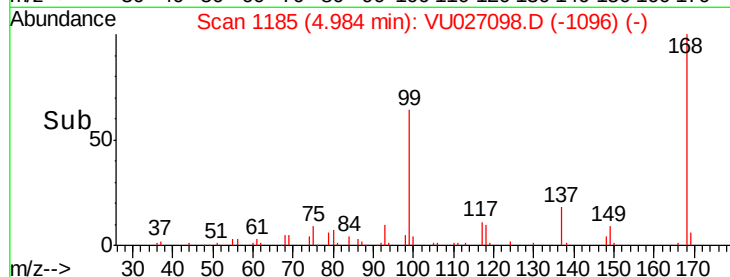
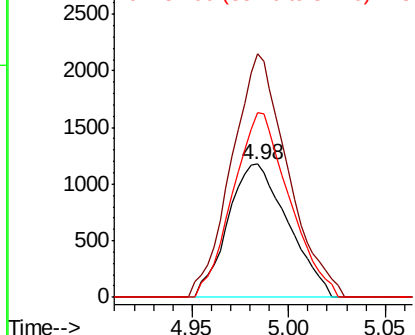
#31
Cyclohexane
Concen: 0.328 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW304S-20180917

Tgt Ion: 56 Resp: 2541
Ion Ratio Lower Upper
56 100
69 183.1 23.0 34.4#
84 138.8 61.4 92.2#

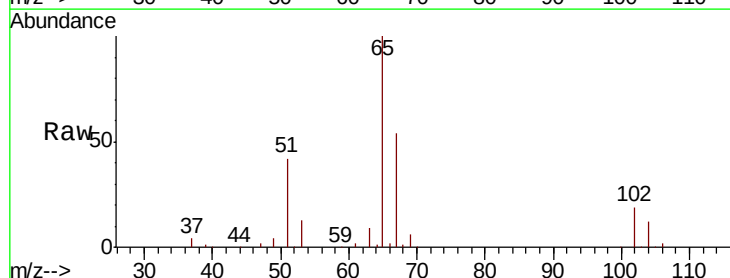


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

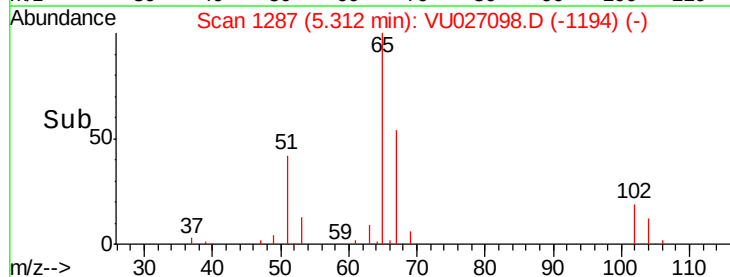
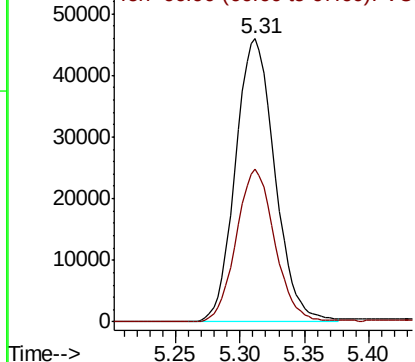


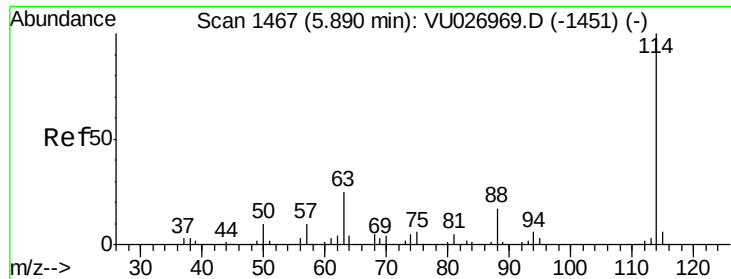
#33
1,2-Dichloroethane-d4
Concen: 51.602 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

Tgt Ion: 65 Resp: 97794
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

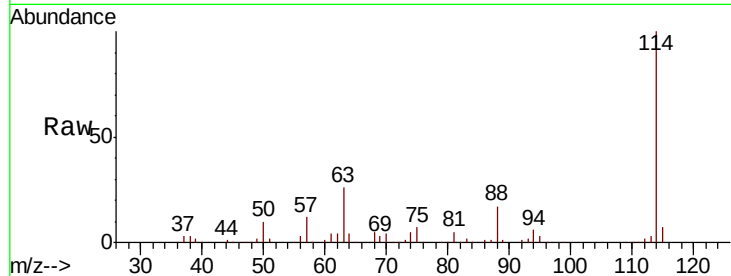




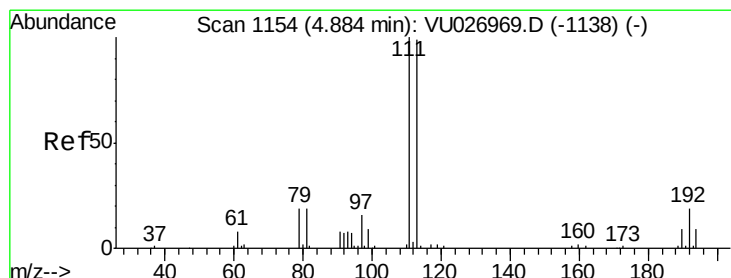
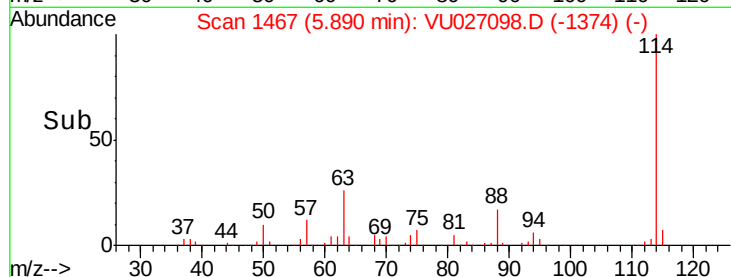
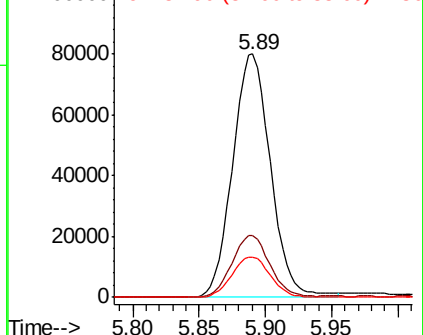
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304S-20180917

Tgt Ion:114 Resp: 159364
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 16.7 0.0 33.8

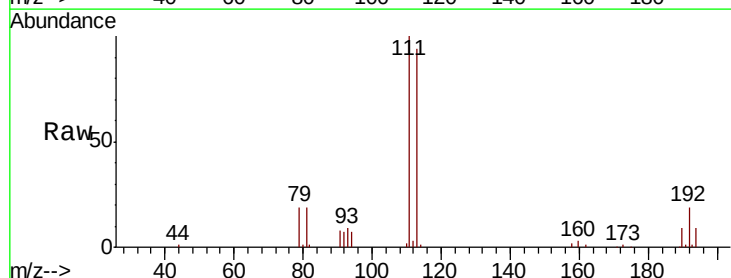


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

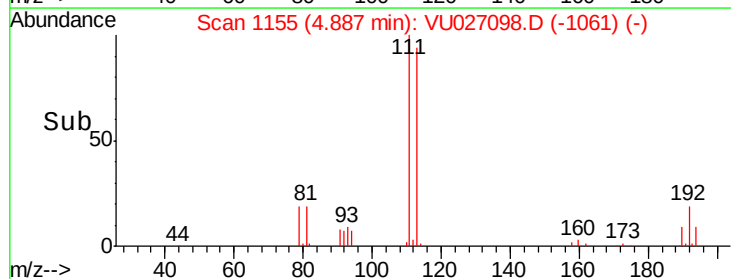
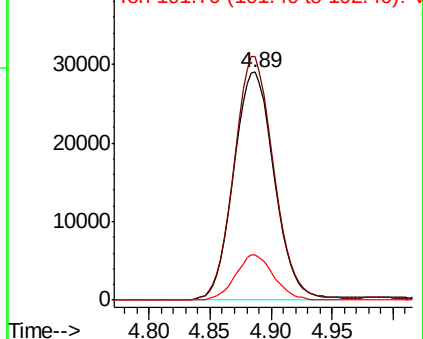


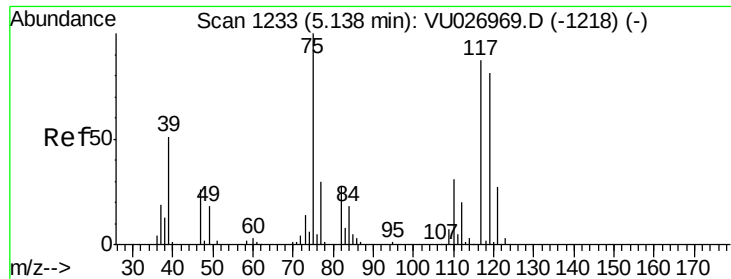
#35
 Dibromofluoromethane
 Concen: 48.581 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Tgt Ion:113 Resp: 67108
 Ion Ratio Lower Upper
 113 100
 111 104.6 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

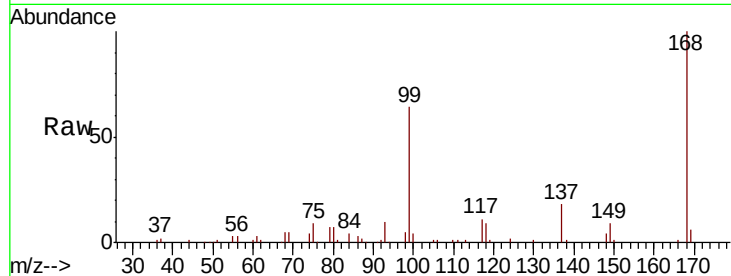




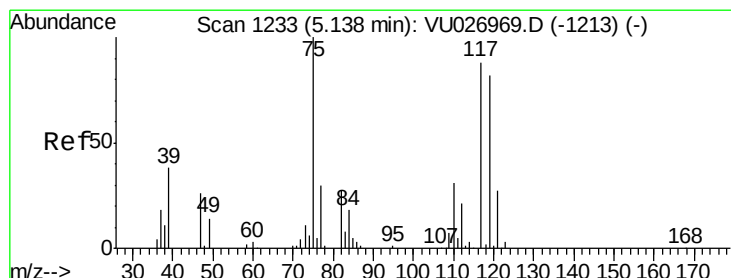
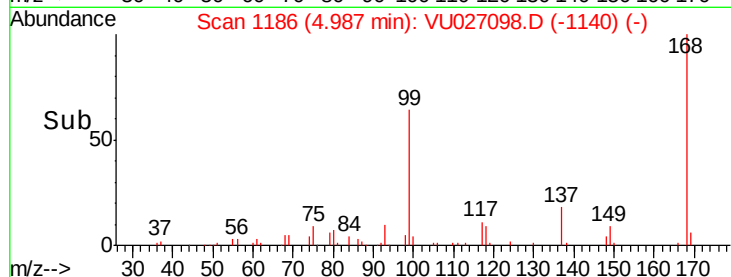
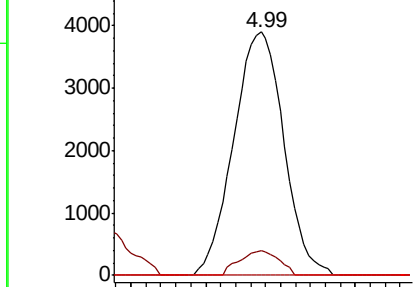
#36
 1,1-Dichloropropene
 Concen: 4.270 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW304S-20180917

Tgt Ion: 75 Resp: 9081
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.1 48.2#
 77 0.0 24.6 36.8#

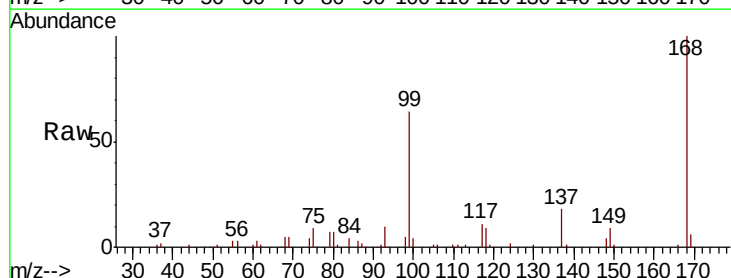


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

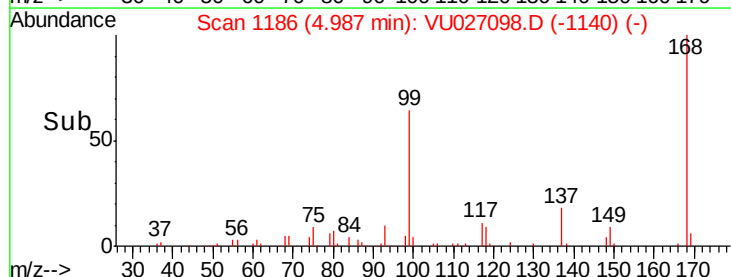
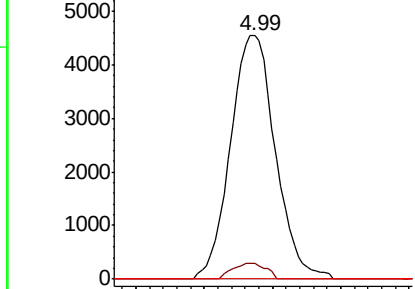


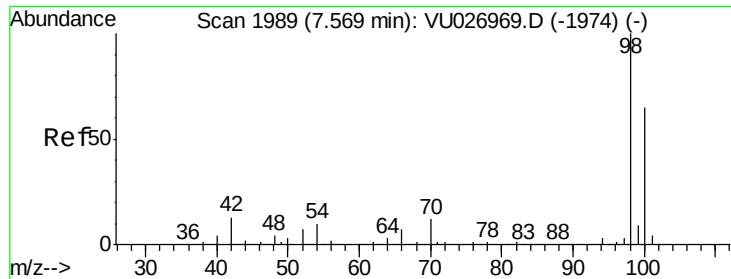
#38
 Carbon Tetrachloride
 Concen: 5.122 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Tgt Ion: 117 Resp: 10368
 Ion Ratio Lower Upper
 117 100
 119 6.3 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

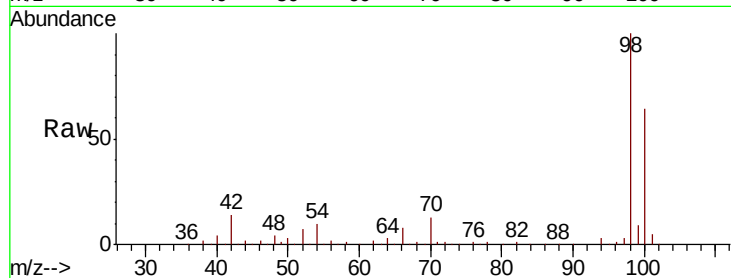




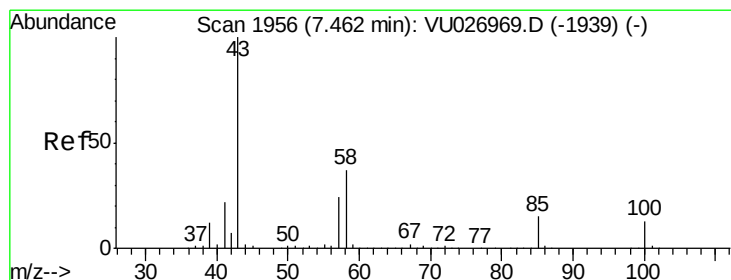
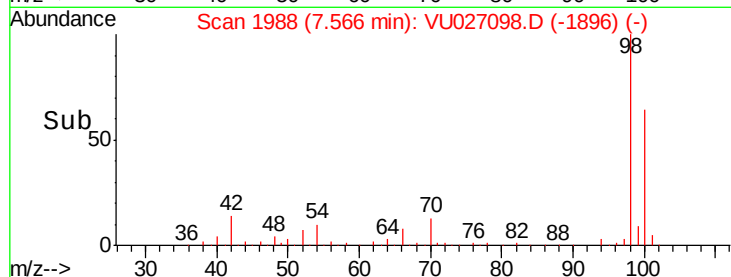
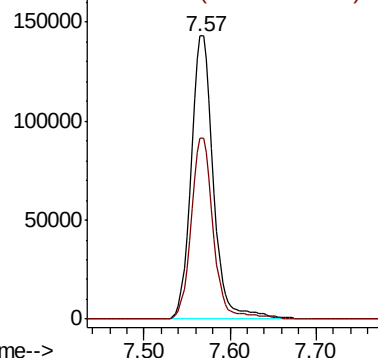
#50
Toluene-d8
Concen: 49.154 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW304S-20180917

Tgt Ion: 98 Resp: 258767
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

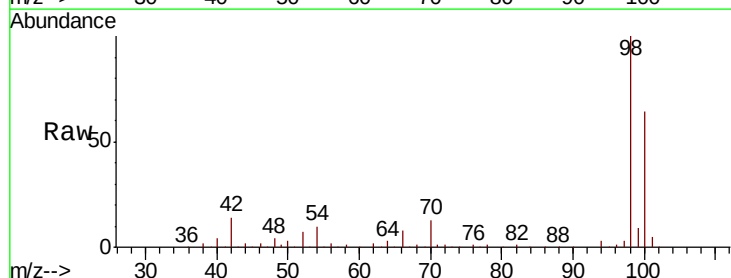


Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

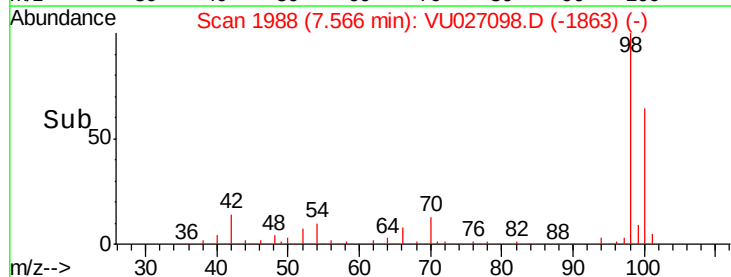
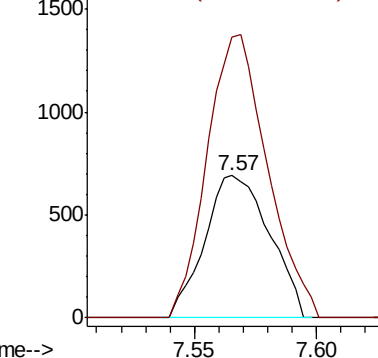


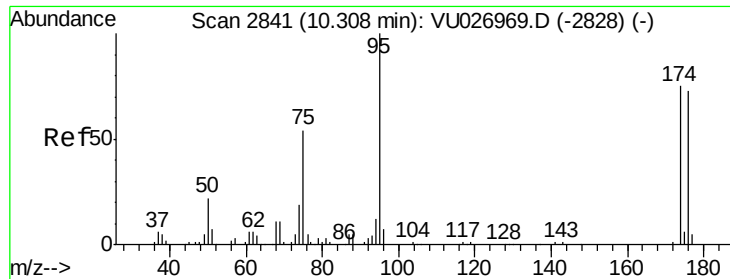
#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
58 185.2 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) (-)

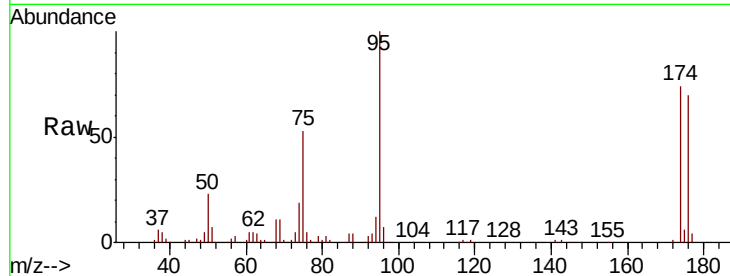




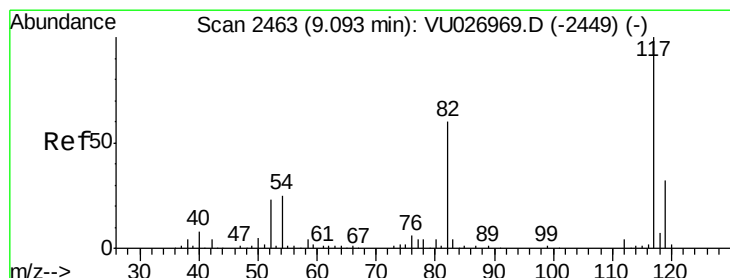
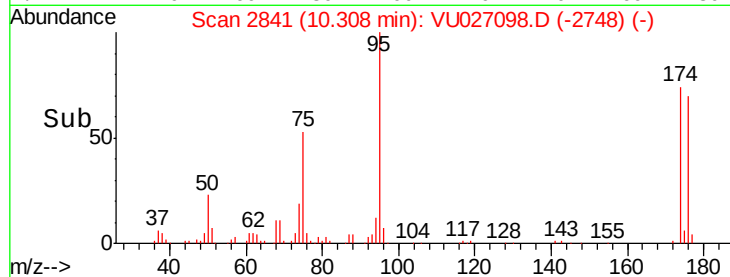
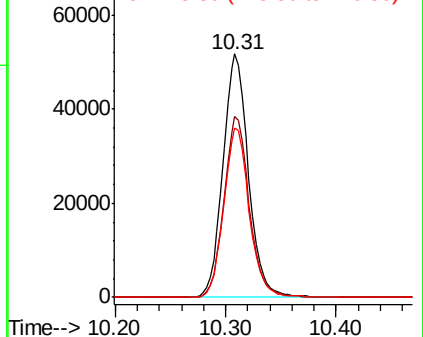
#62
 4-Bromofluorobenzene
 Concen: 45.864 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Instrument :
 MSVOA_U
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 BPSI-TT-MW304S-20180917

Tgt Ion: 95 Resp: 82848
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.2
 176 69.5 0.0 145.2

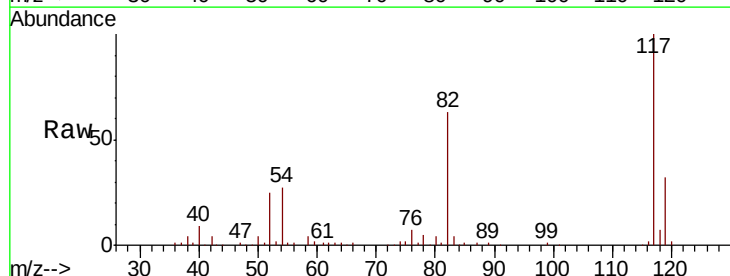


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

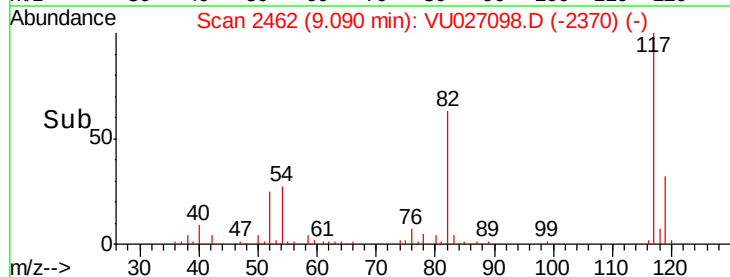
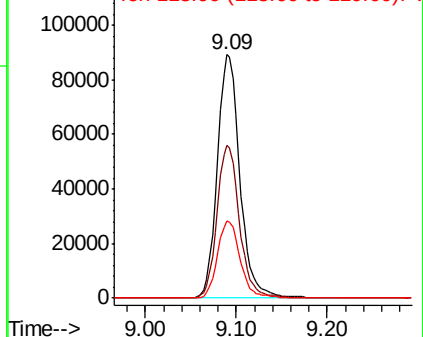


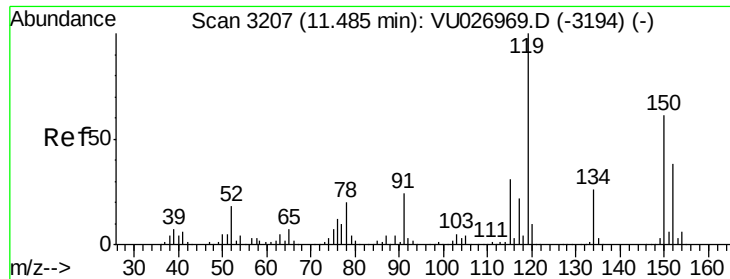
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027098.D
 Acq: 24 Sep 2018 11:07

Tgt Ion: 117 Resp: 153940
 Ion Ratio Lower Upper
 117 100
 82 62.8 48.0 72.0
 119 31.6 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)
 Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
 Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027098.D

Acq: 24 Sep 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW304S-20180917

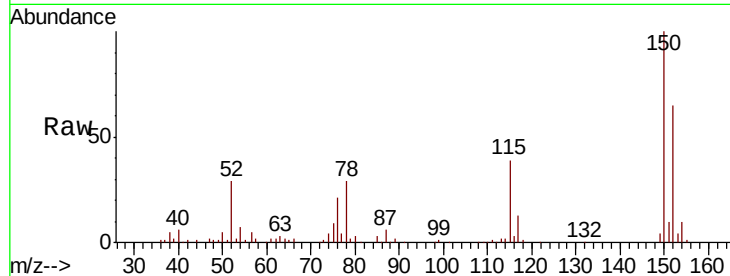
Tgt Ion:152 Resp: 70363

Ion Ratio Lower Upper

152 100

115 60.9 44.9 134.5

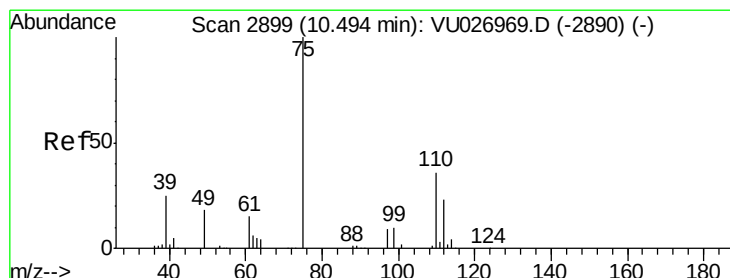
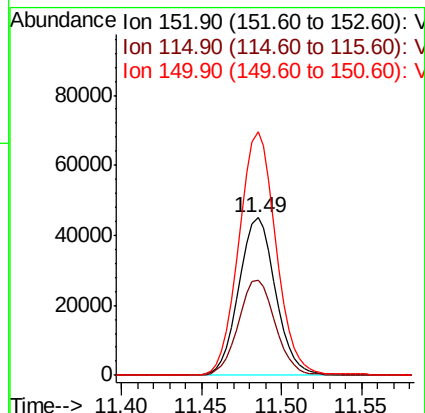
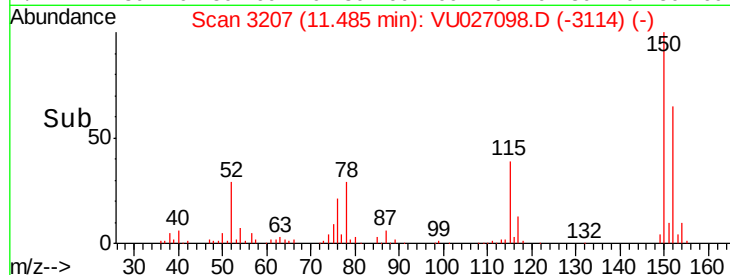
150 156.4 0.0 355.8



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: 20.801 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027098.D

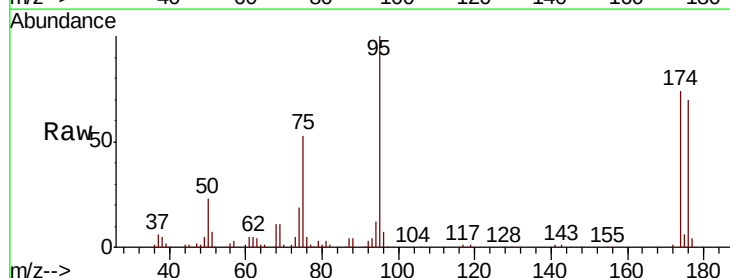
Acq: 24 Sep 2018 11:07

Tgt Ion: 75 Resp: 44465

Ion Ratio Lower Upper

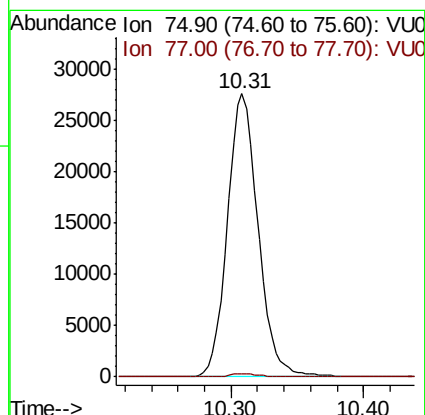
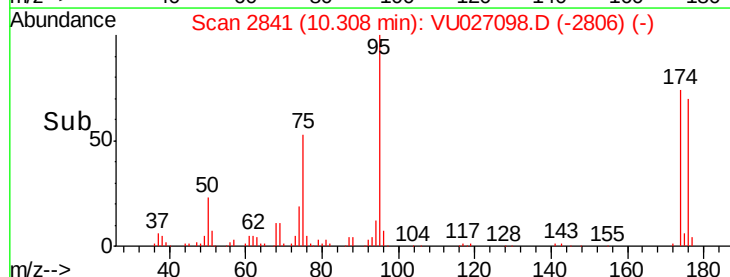
75 100

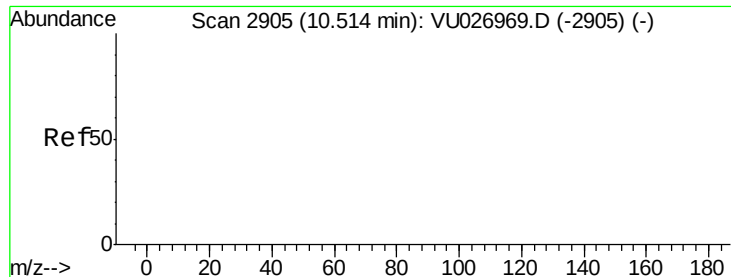
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

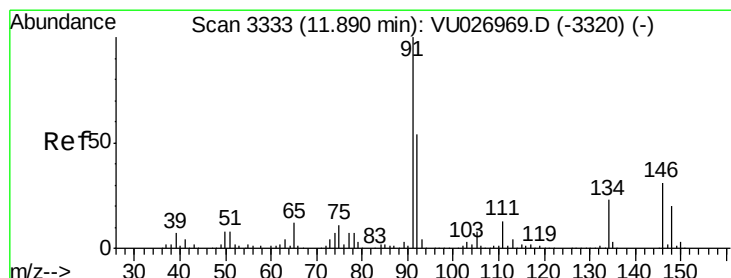
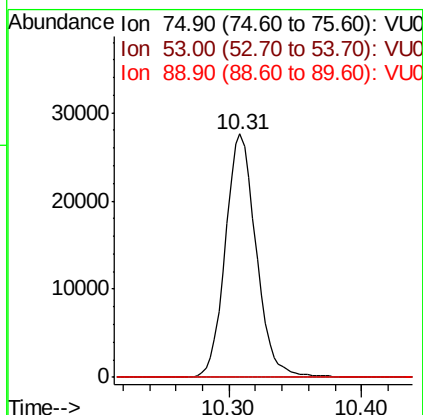
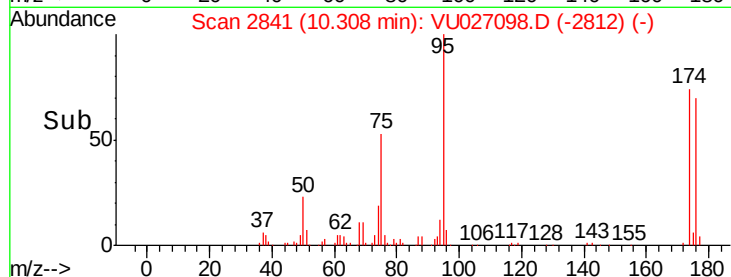
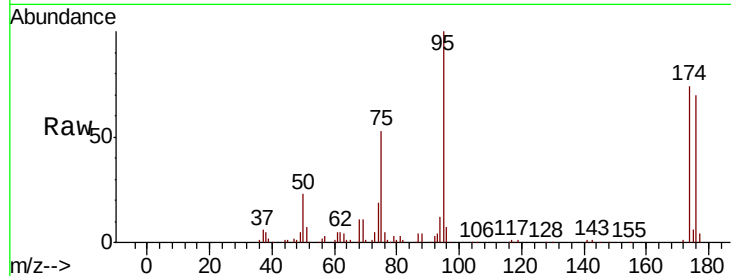




#81
trans-1,4-Dichloro-2-butene
Concen: 66.568 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

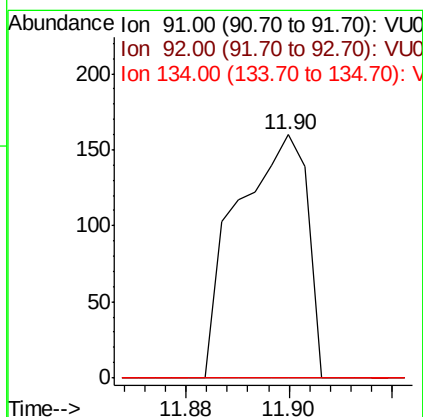
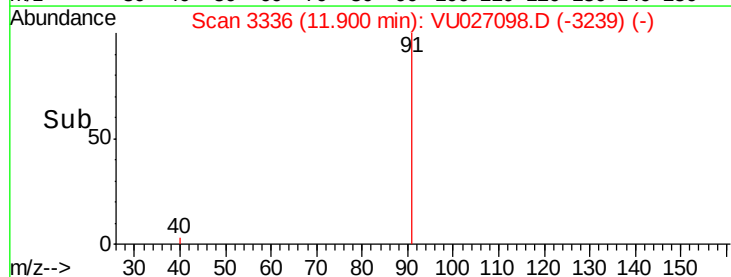
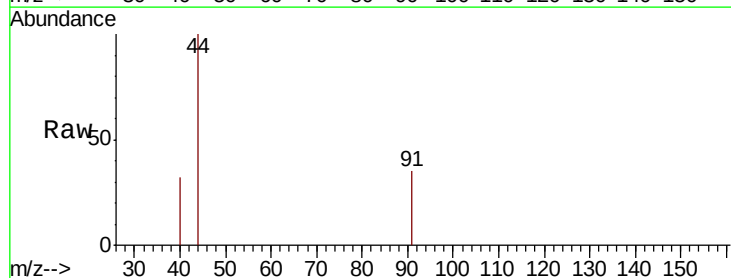
Instrument :
MSVOA_U
ClientSampleId :
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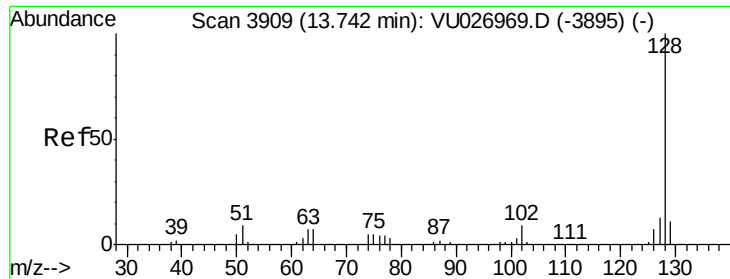
Tgt Ion: 75 Resp: 44465
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.422 ug/l
RT: 11.90 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VU027098.D
Acq: 24 Sep 2018 11:07

Tgt Ion: 91 Resp: 151
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.7 35.0#





#95

Naphthalene

Concen: 1.696 ug/l

RT: 13.78 min Scan# 3920

Delta R.T. 0.04 min

Lab File: VU027098.D

Acq: 24 Sep 2018 11:07

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW304S-20180917

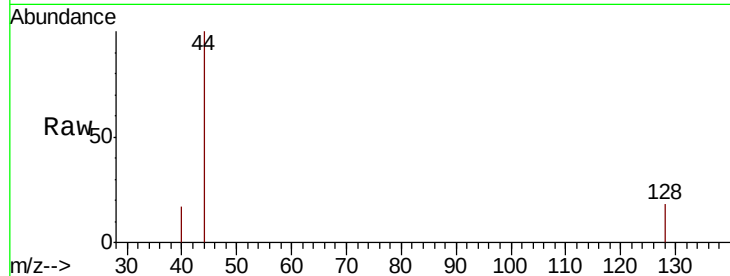
Tgt Ion:128 Resp: 42

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

