

Data File : VU027059.D
Acq On : 23 Sep 2018 08:49
Operator : MD/SY
Sample : J4954-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 101 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB

Quant Time: Sep 24 07:03:16 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	4.98	168	99305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	162297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	105657	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	4.88	113	73510	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	7.57	98	273922	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	10.31	95	85447	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

Target Compounds

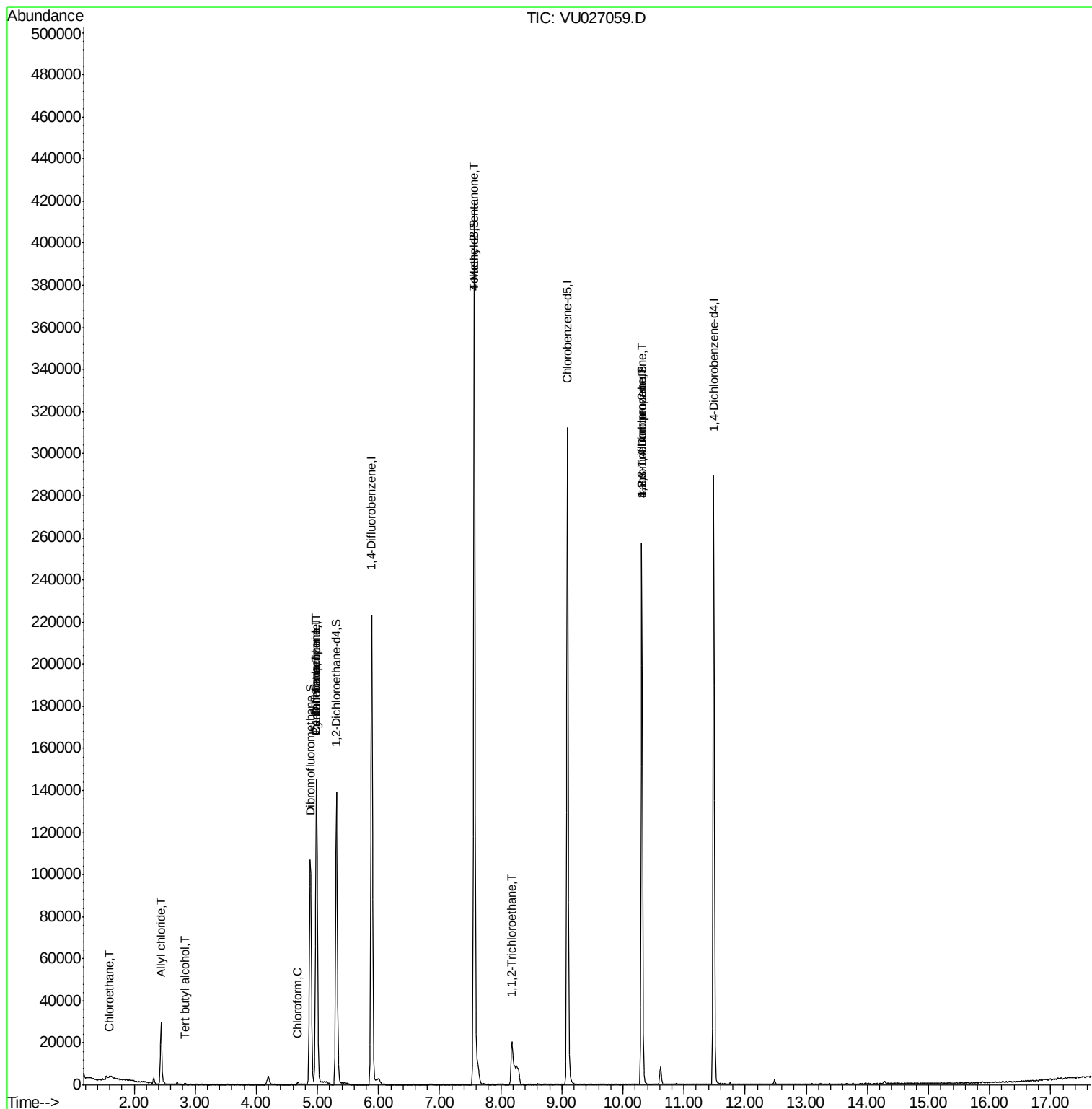
						Qvalue
6) Chloroethane	1.60	64	4069	3.052	ug/l #	43
11) Tert butyl alcohol	2.83	59	173	0.378	ug/l #	72
14) Allyl chloride	2.44	41	2977	1.070	ug/l #	74
16) Acetone	2.32	43	3175	Below Cal		91
30) Chloroform	4.67	83	866	0.285	ug/l	93
31) Cyclohexane	4.99	56	2770	0.359	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9599	4.236	ug/l #	49
38) Carbon Tetrachloride	4.99	117	10685	4.955	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1419	0.472	ug/l #	1
55) 1,1,2-Trichloroethane	8.17	97	374	0.224	ug/l #	13
76) 1,2,3-Trichloropropane	10.31	75	46720	22.114	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	46720	70.769	ug/l #	100

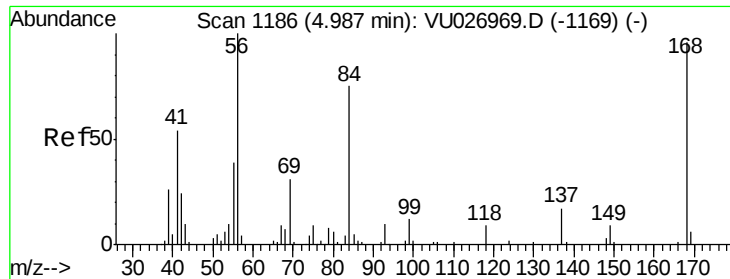
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027059.D

Acq: 23 Sep 2018 08:49

Instrument :

MSVOA_U

ClientSampleId :

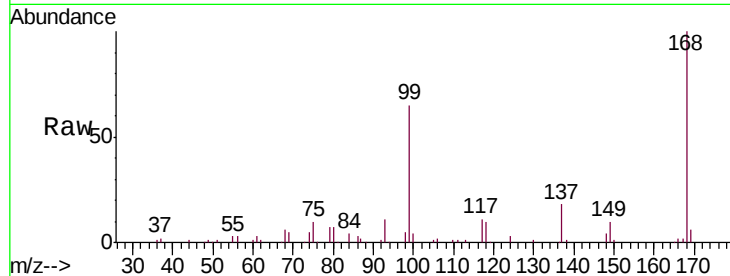
BFB

Tgt Ion:168 Resp: 99305

Ion Ratio Lower Upper

168 100

99 65.0 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) (-)

4.98

50000

40000

30000

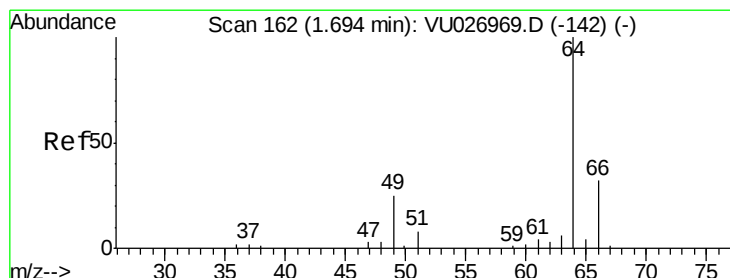
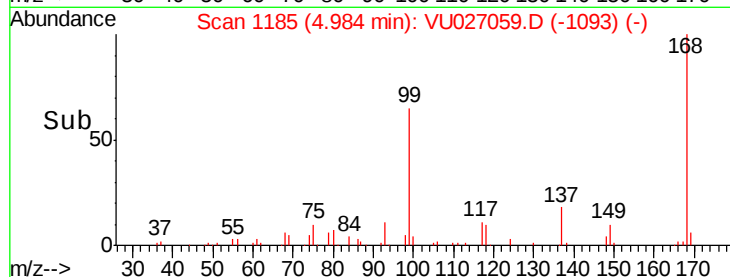
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 3.052 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.10 min

Lab File: VU027059.D

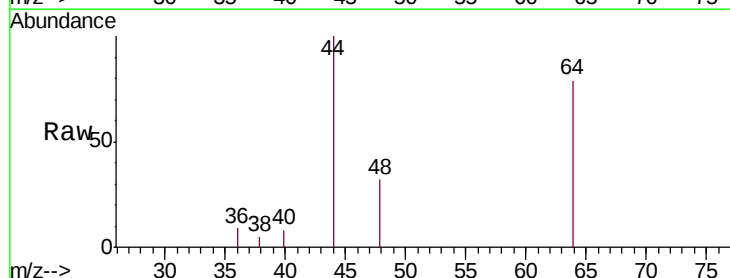
Acq: 23 Sep 2018 08:49

Tgt Ion: 64 Resp: 4069

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) (-)

1.60

1500

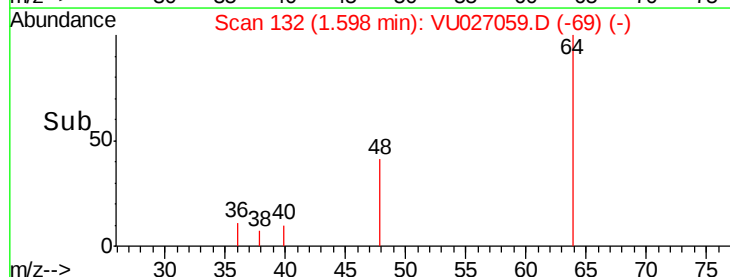
1000

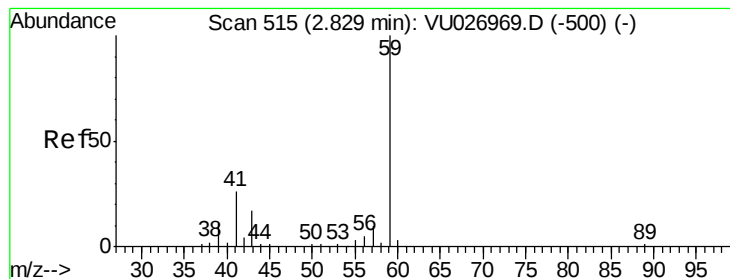
500

0

1.45 1.50 1.55 1.60

Time-->



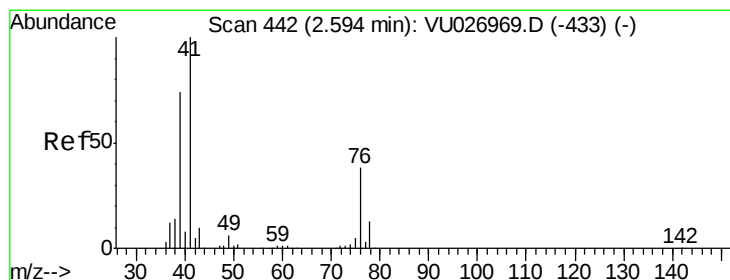
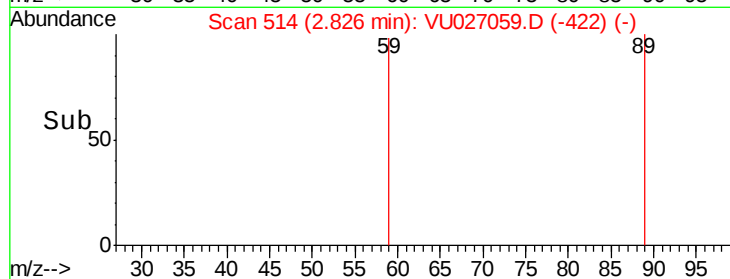
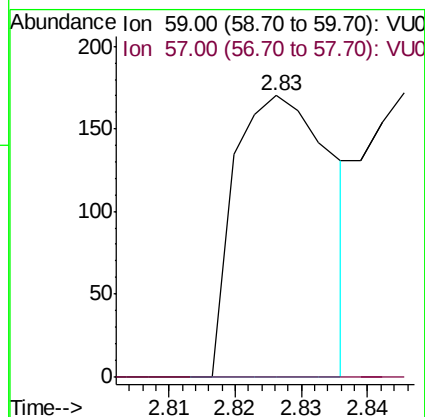
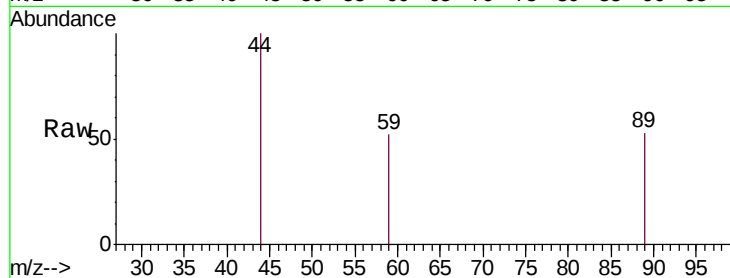


#11

Tert butyl alcohol
 Concen: 0.378 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

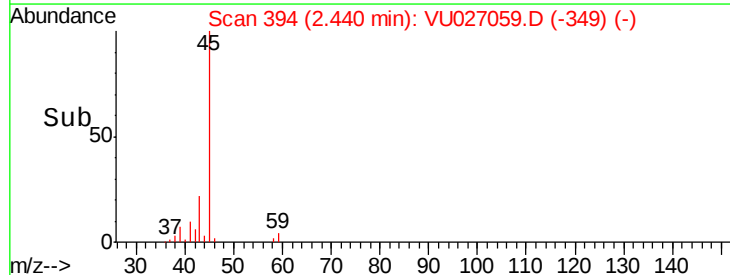
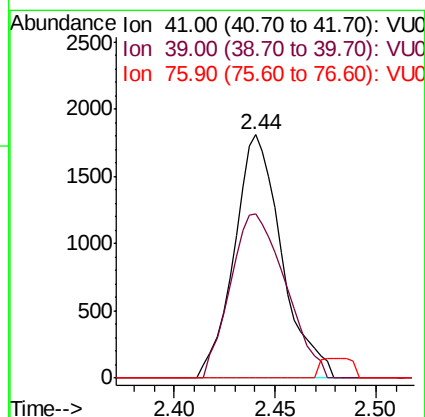
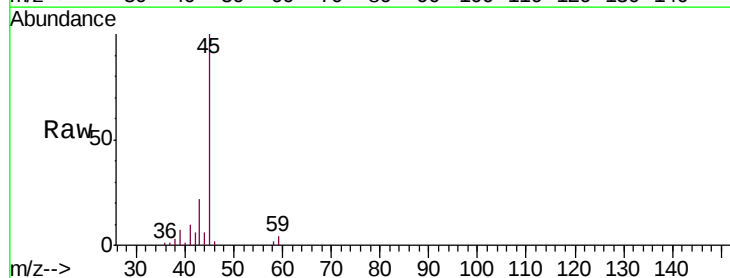
Tgt Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

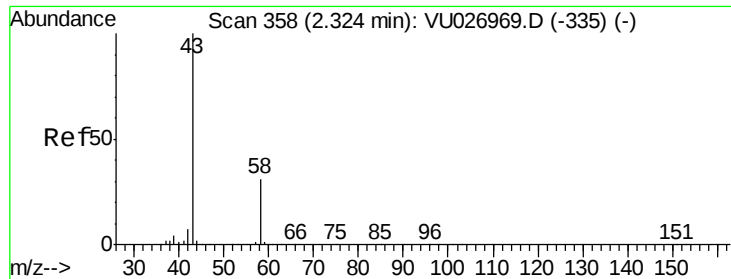


#14

Allyl chloride
 Concen: 1.070 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Tgt Ion: 41 Resp: 2977
 Ion Ratio Lower Upper
 41 100
 39 78.4 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: VU027059.D

Acq: 23 Sep 2018 08:49

Instrument :

MSVOA_U

ClientSampleId :

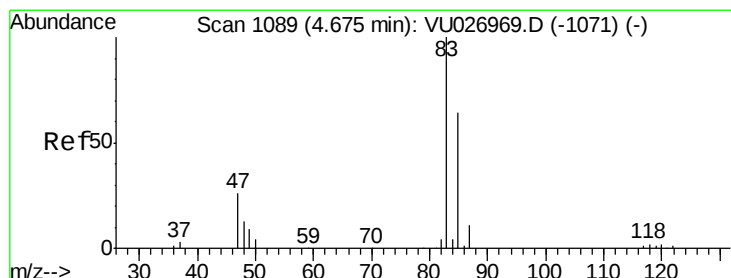
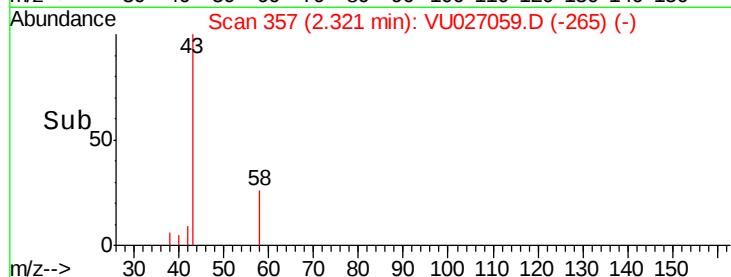
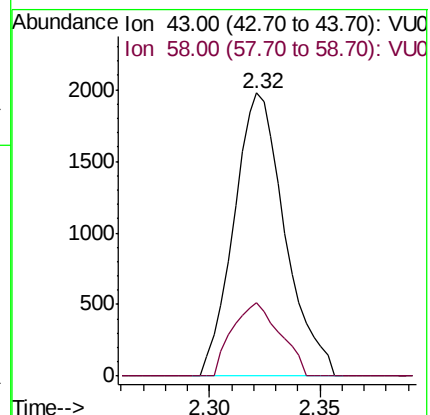
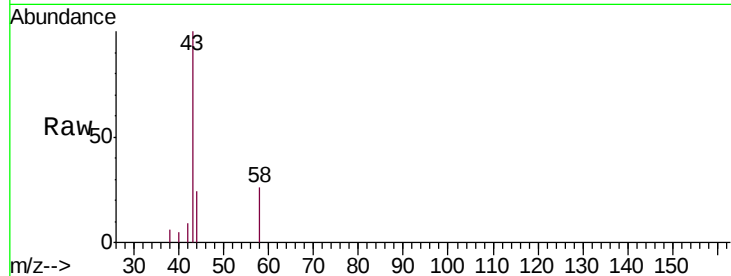
BFB

Tgt Ion: 43 Resp: 3175

Ion Ratio Lower Upper

43 100

58 25.8 24.6 36.8



#30

Chloroform

Concen: 0.285 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027059.D

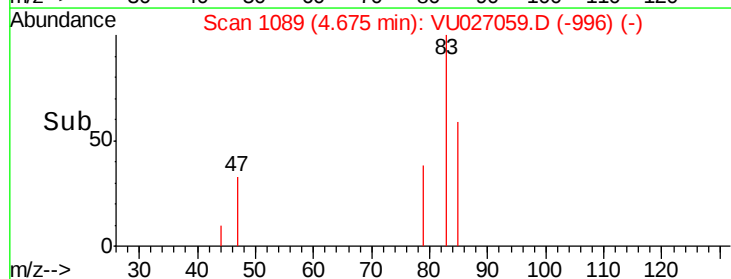
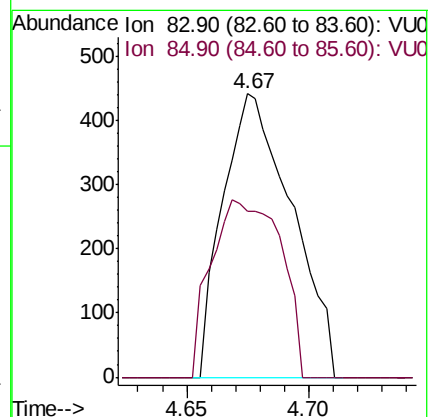
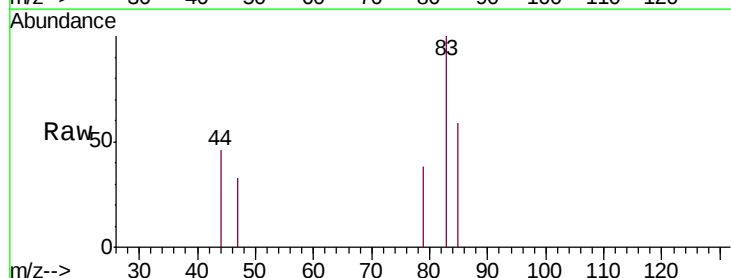
Acq: 23 Sep 2018 08:49

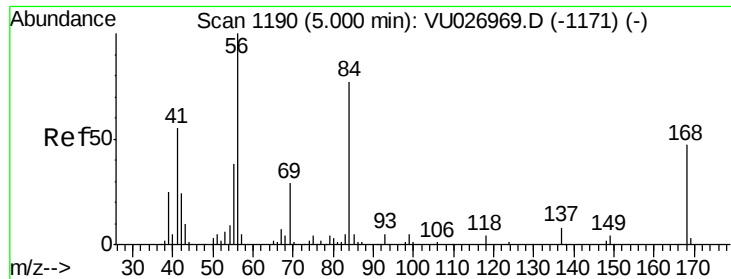
Tgt Ion: 83 Resp: 866

Ion Ratio Lower Upper

83 100

85 58.6 51.5 77.3

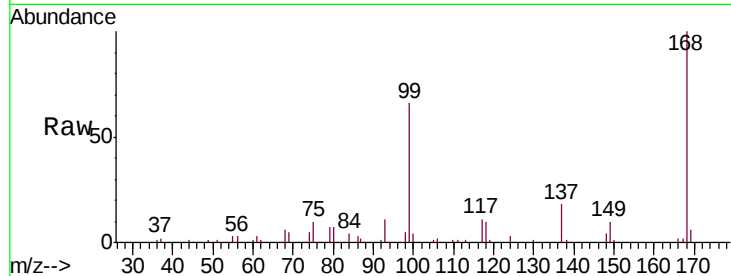




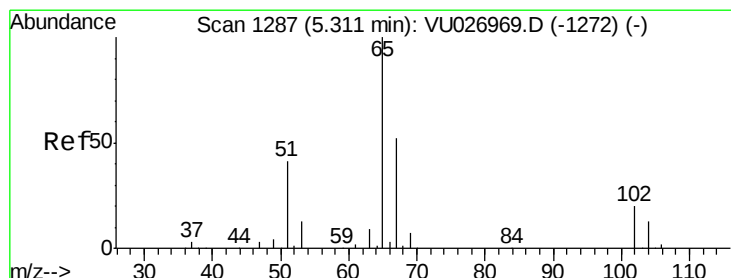
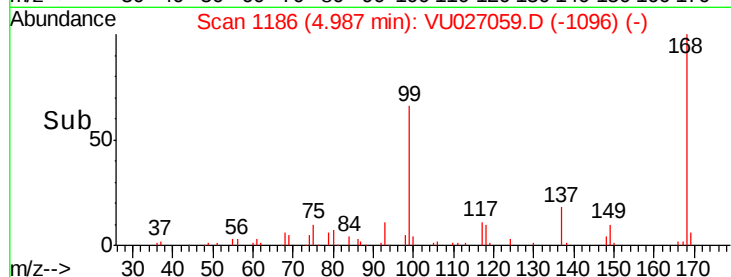
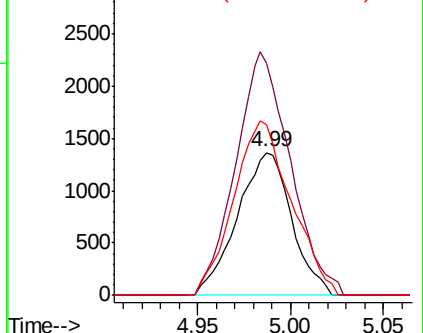
#31
Cyclohexane
Concen: 0.359 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027059.D
Acq: 23 Sep 2018 08:49

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 2770
Ion Ratio Lower Upper
56 100
69 162.1 23.0 34.4#
84 119.8 61.4 92.2#

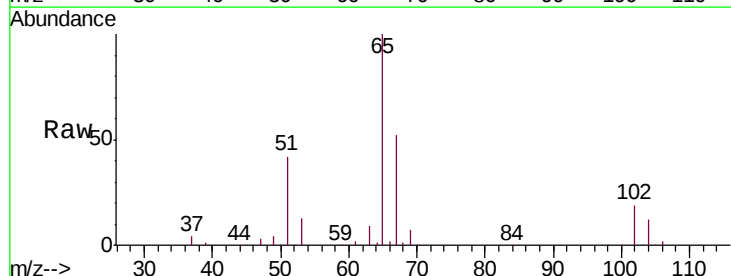


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

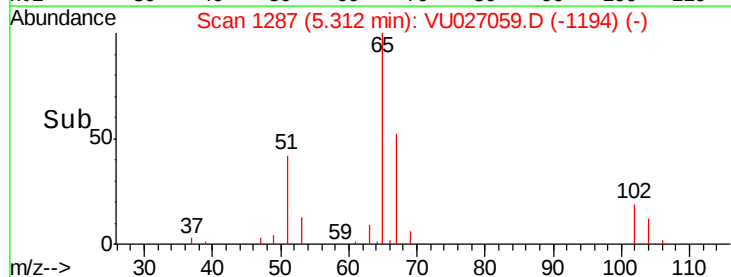
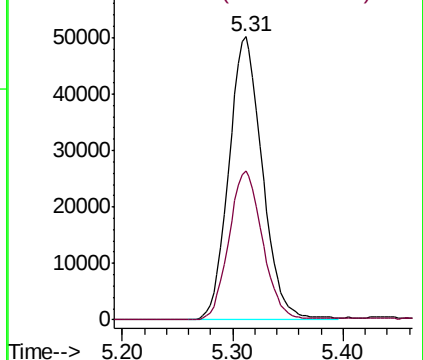


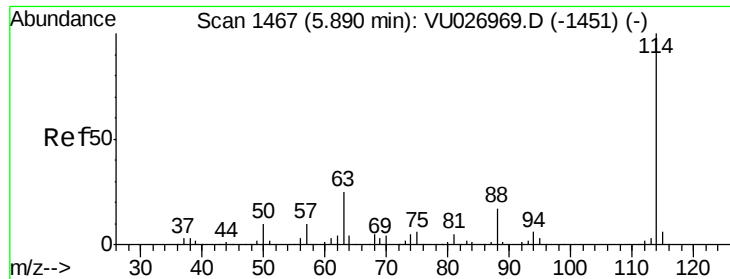
#33
1,2-Dichloroethane-d4
Concen: 52.863 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027059.D
Acq: 23 Sep 2018 08:49

Tgt Ion: 65 Resp: 105657
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



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

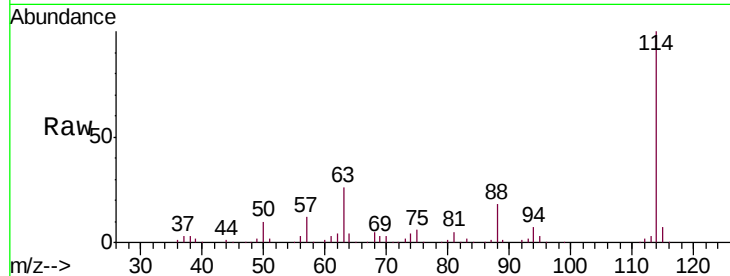




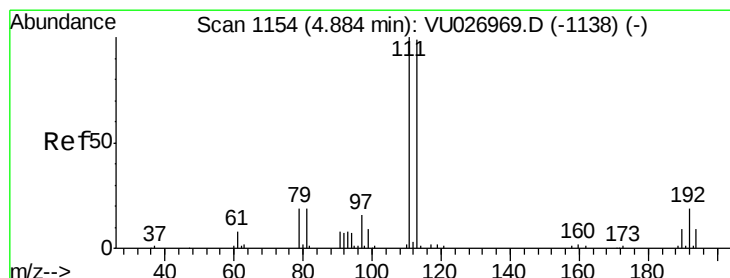
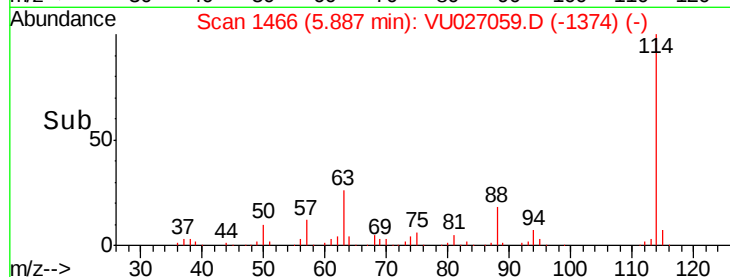
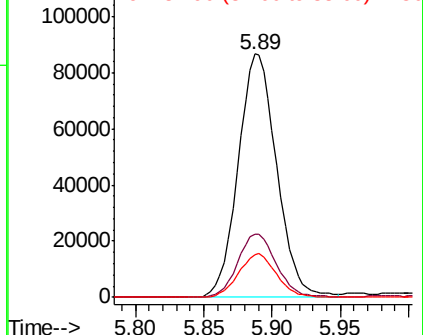
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Instrument :
 MSVOA_U
 ClientSampleID :
 BFB

Tgt Ion:114 Resp: 169797
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 49.2
 88 17.7 0.0 33.8

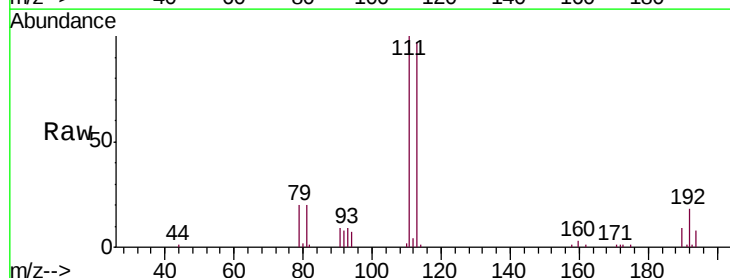


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

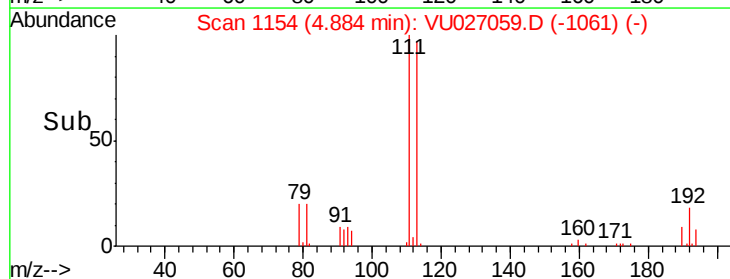
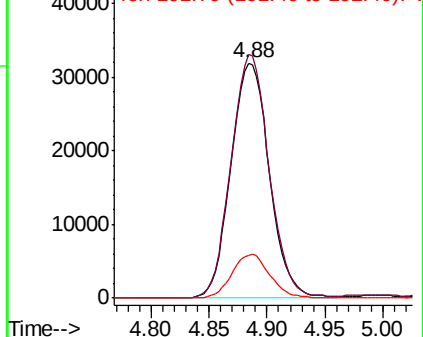


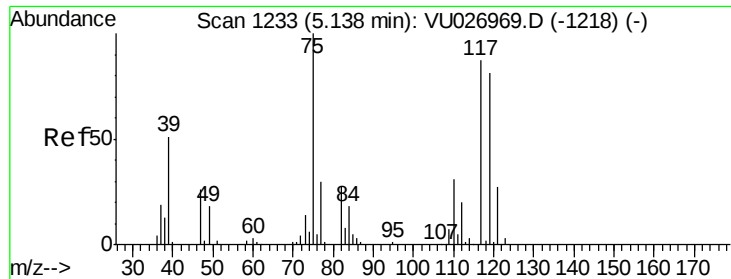
#35
 Dibromofluoromethane
 Concen: 49.946 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Tgt Ion:113 Resp: 73510
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 18.2 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

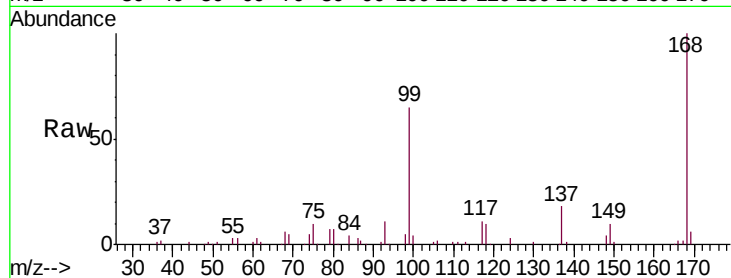




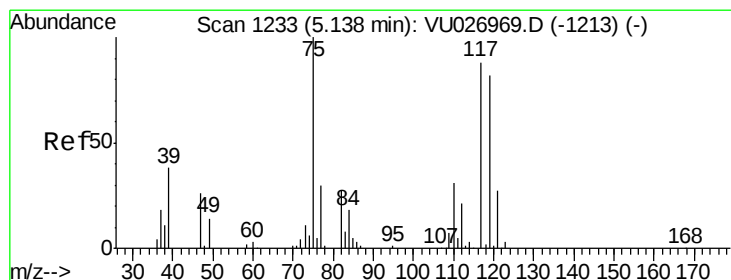
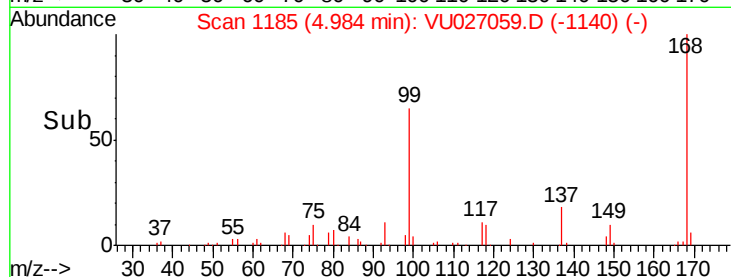
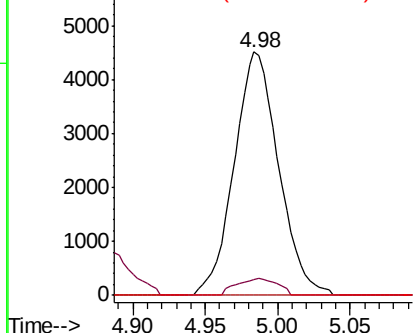
#36
 1,1-Dichloropropene
 Concen: 4.236 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tgt Ion: 75 Resp: 9599
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.1 48.2#
 77 0.0 24.6 36.8#

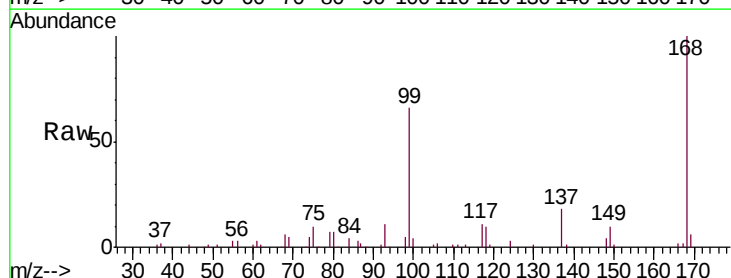


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

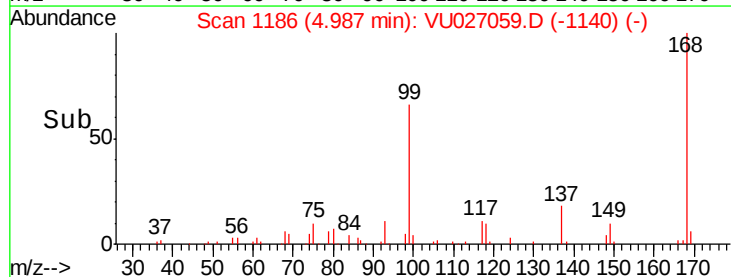
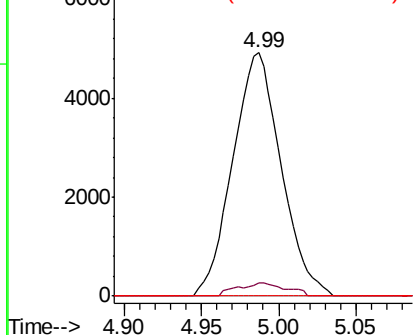


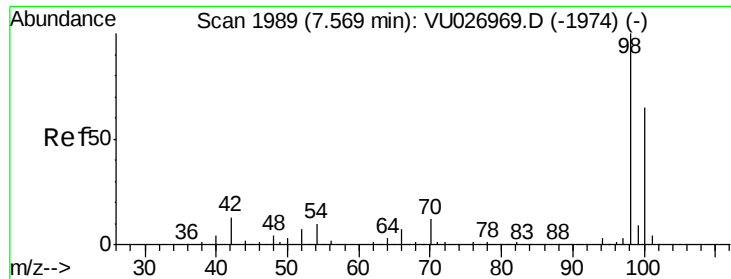
#38
 Carbon Tetrachloride
 Concen: 4.955 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Tgt Ion: 117 Resp: 10685
 Ion Ratio Lower Upper
 117 100
 119 5.2 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: 48.835 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027059.D

Acq: 23 Sep 2018 08:49

Instrument :

MSVOA_U

ClientSampleId :

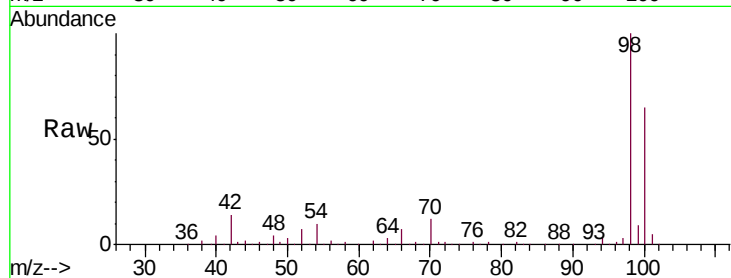
BFB

Tgt Ion: 98 Resp: 273922

Ion Ratio Lower Upper

98 100

100 61.7 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) (-)

7.57

150000

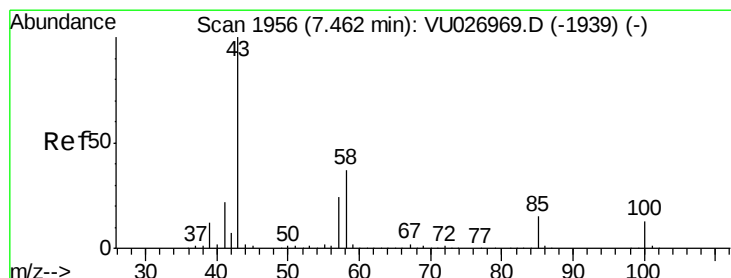
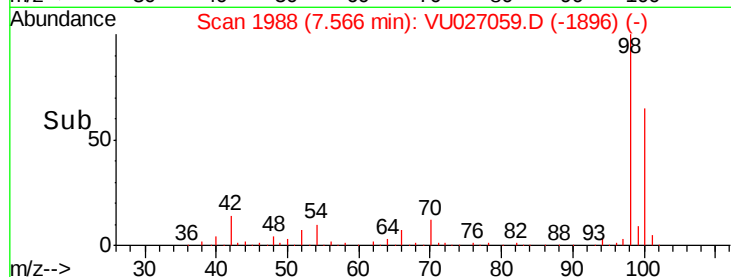
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.472 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027059.D

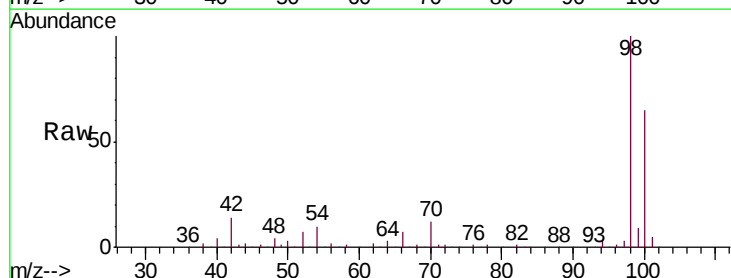
Acq: 23 Sep 2018 08:49

Tgt Ion: 43 Resp: 1419

Ion Ratio Lower Upper

43 100

58 175.4 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) (-)

1500

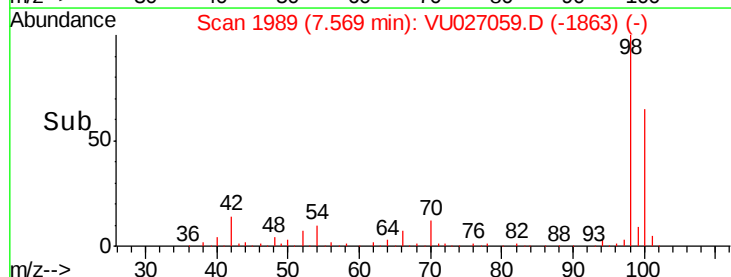
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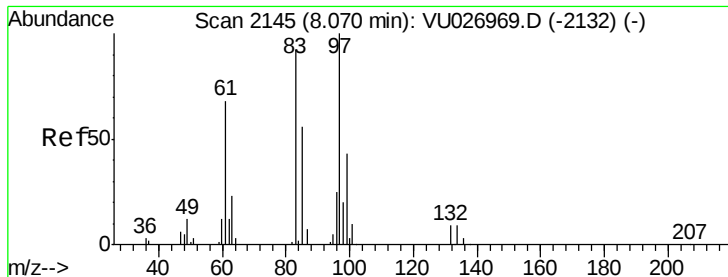
500

0

7.55 7.60

Time-->

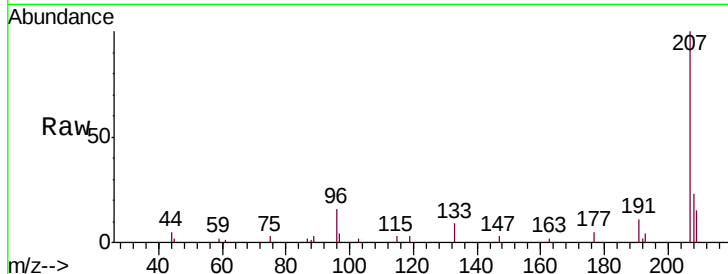




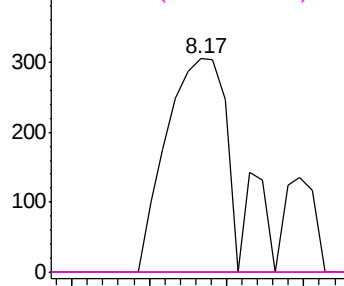
#55
 1,1,2-Trichloroethane
 Concen: 0.224 ug/l
 RT: 8.17 min Scan# 2177
 Delta R.T. 0.10 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

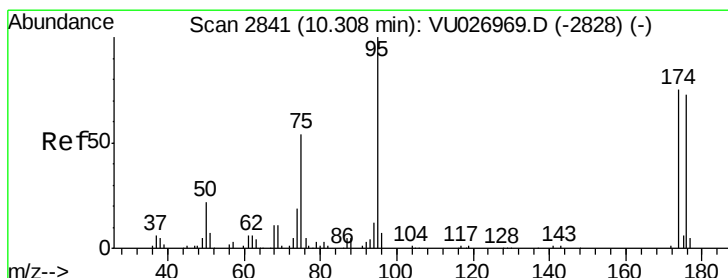
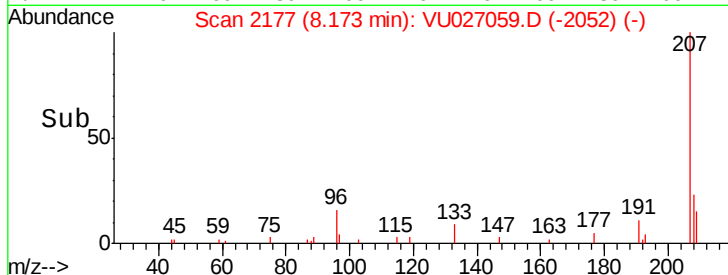
Tgt Ion: 97 Resp: 374
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.1 109.7#
 85 0.0 46.7 70.1#
 99 0.0 50.0 75.0#



Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

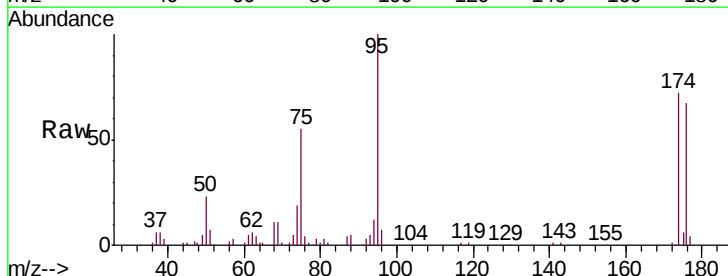


Time-->

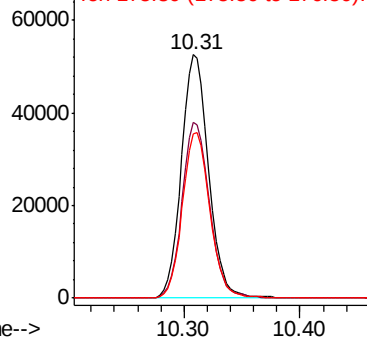


#62
 4-Bromofluorobenzene
 Concen: 44.396 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027059.D
 Acq: 23 Sep 2018 08:49

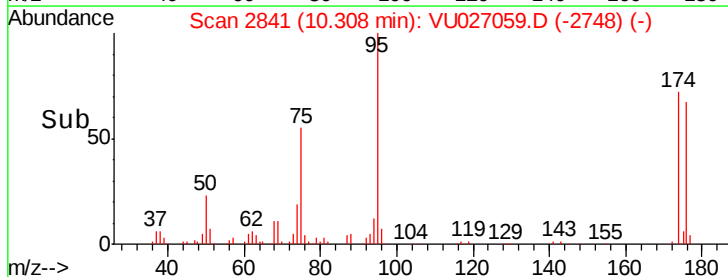
Tgt Ion: 95 Resp: 85447
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 150.2
 176 68.7 0.0 145.2

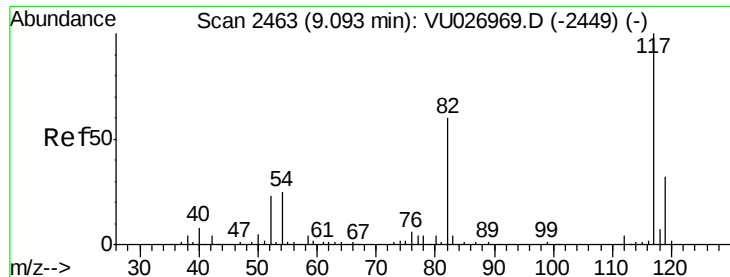


Abundance Ion 94.90 (94.60 to 95.60): VU0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



Time-->

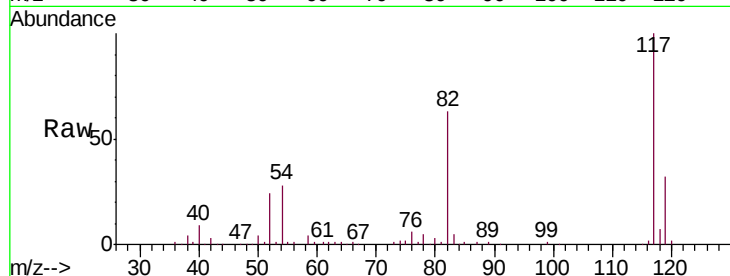




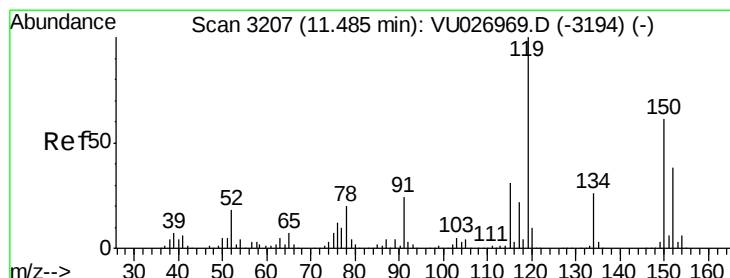
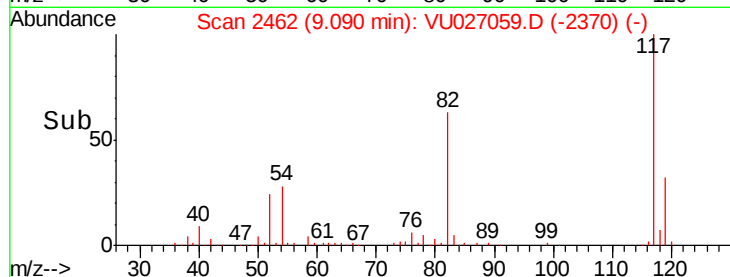
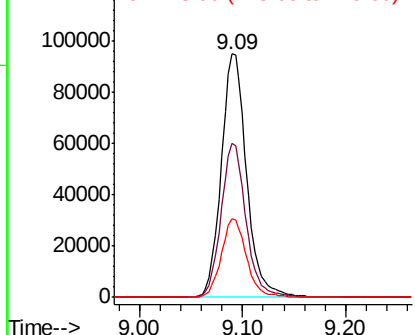
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027059.D
Acq: 23 Sep 2018 08:49

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 162297
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.1 25.8 38.8

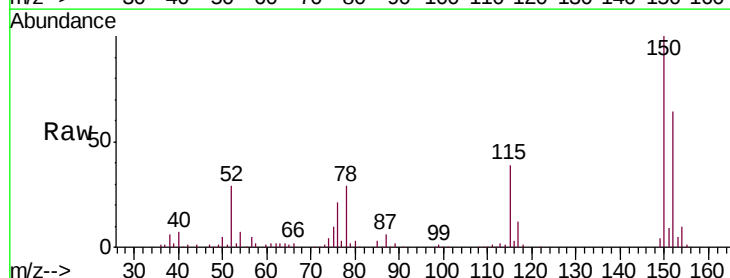


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

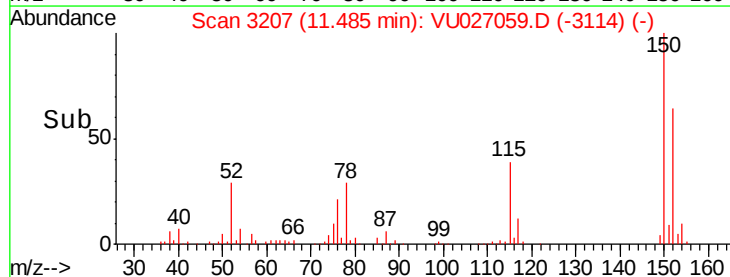
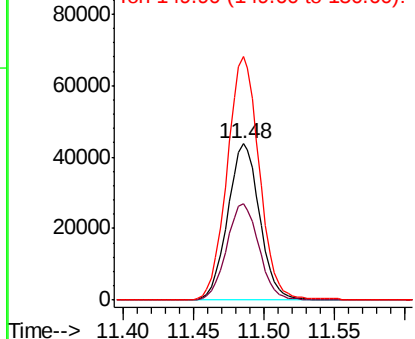


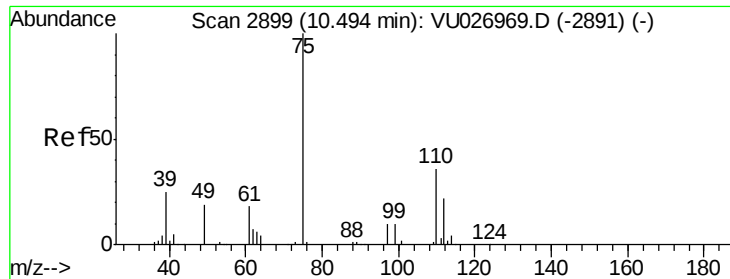
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027059.D
Acq: 23 Sep 2018 08:49

Tgt Ion:152 Resp: 69542
Ion Ratio Lower Upper
152 100
115 62.2 44.9 134.5
150 156.8 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: 22.114 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027059.D

Acq: 23 Sep 2018 08:49

Instrument :

MSVOA_U

ClientSampleId :

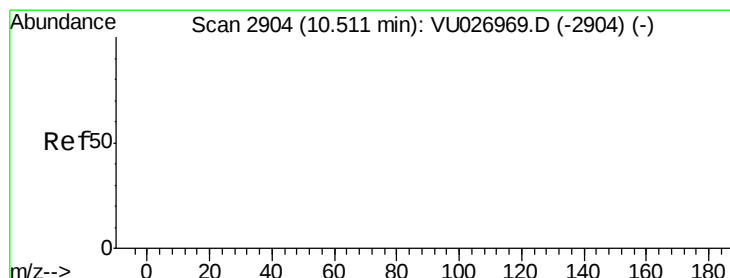
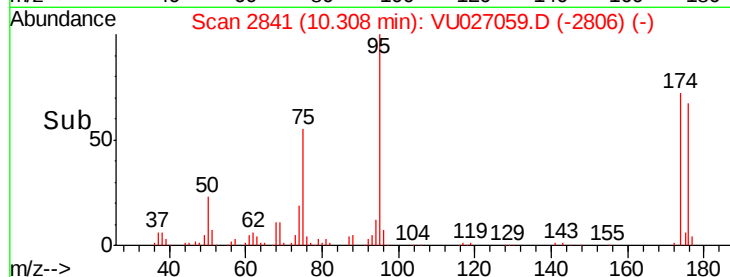
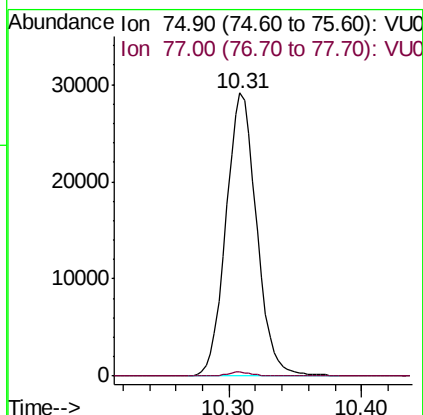
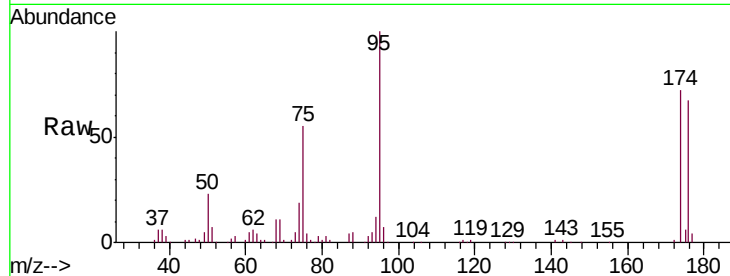
BFB

Tgt Ion: 75 Resp: 46720

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.769 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027059.D

Acq: 23 Sep 2018 08:49

Tgt Ion: 75 Resp: 46720

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

