

Data File : VU027073.D
Acq On : 23 Sep 2018 15:42
Operator : MD/SY
Sample : J4954-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 115 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ118S-20180914

Quant Time: Sep 24 07:14:51 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	105721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174528	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	108515	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	4.89	113	75021	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	7.57	98	283070	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.31	95	91845	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

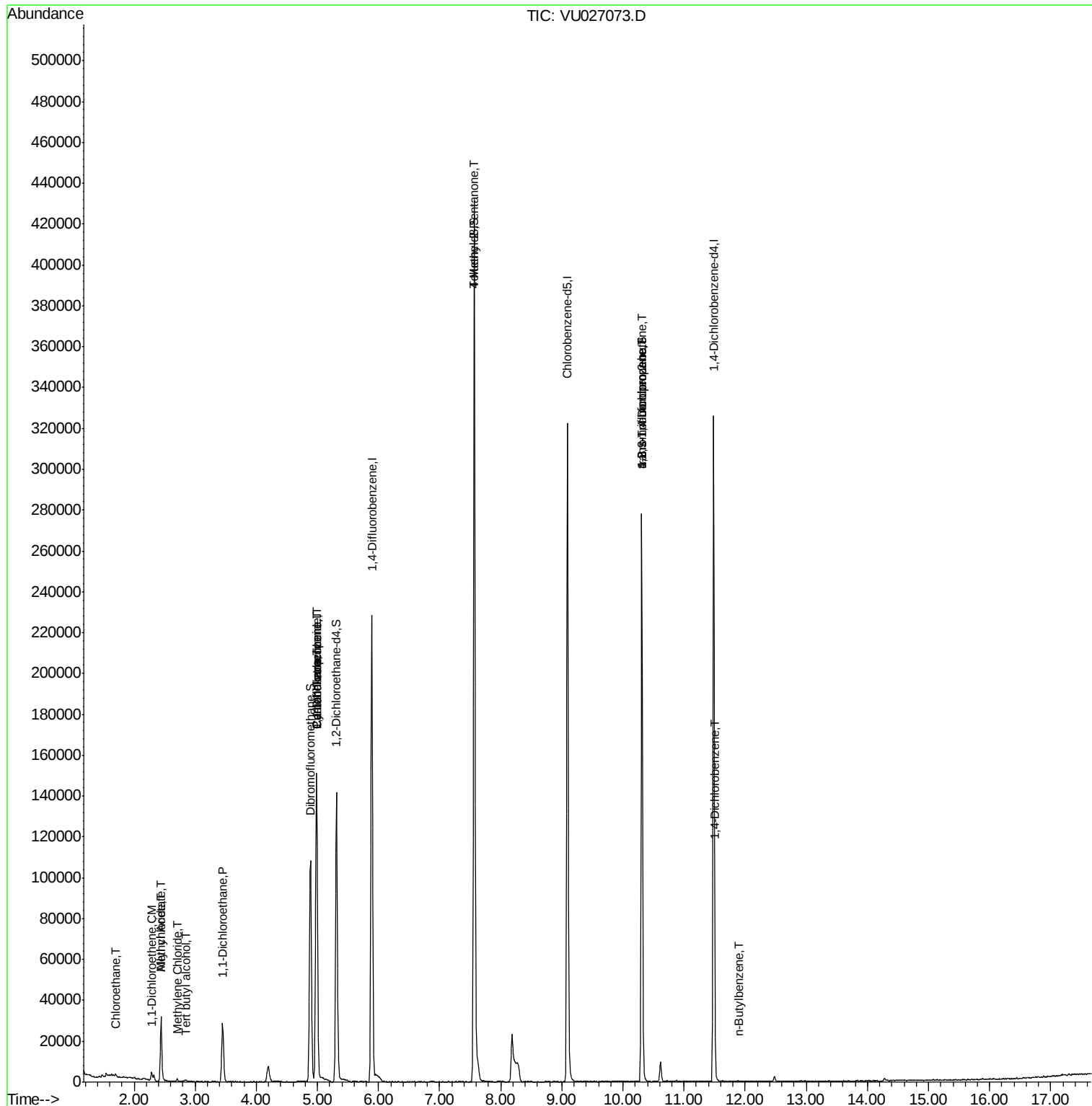
						Qvalue
6) Chloroethane	1.70	64	1274	0.898	ug/l	98
11) Tert butyl alcohol	2.84	59	690	1.415	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	1350	0.925	ug/l	96
14) Allyl chloride	2.44	41	3387	1.144	ug/l #	74
16) Acetone	2.32	43	3558	Below Cal	#	82
18) Methyl Acetate	2.44	43	8232	2.718	ug/l #	55
20) Methylene Chloride	2.71	84	491	0.258	ug/l #	80
24) 1,1-Dichloroethane	3.45	63	32401	9.287	ug/l	98
31) Cyclohexane	4.98	56	2813	0.316	ug/l #	7
36) 1,1-Dichloropropene	4.99	75	10072	4.324	ug/l #	49
38) Carbon Tetrachloride	4.99	117	11012	4.968	ug/l #	18
51) 4-Methyl-2-Pentanone	7.56	43	1323	0.428	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	49691	21.260	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	49691	68.036	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	611	0.211	ug/l #	54
89) n-Butylbenzene	11.90	91	42	2.400	ug/l #	33

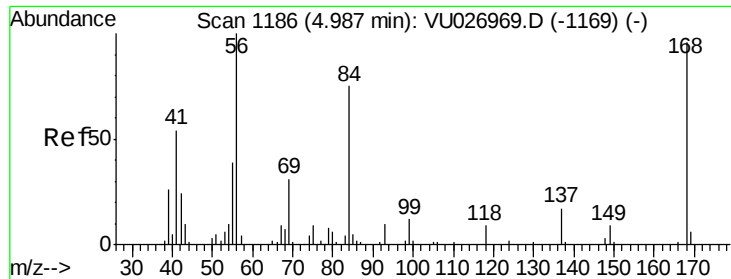
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027073.D

Acq: 23 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

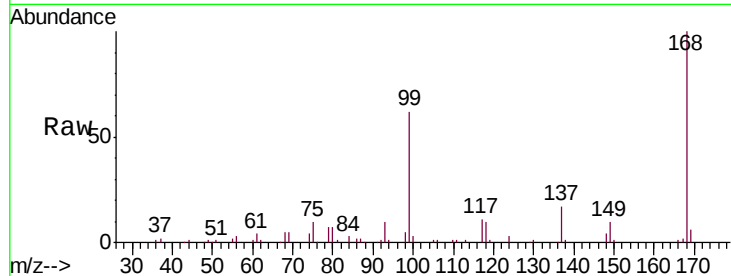
SA-PZ118S-20180914

Tgt Ion:168 Resp: 105721

Ion Ratio Lower Upper

168 100

99 62.1 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU026969.D

4.99

50000

40000

30000

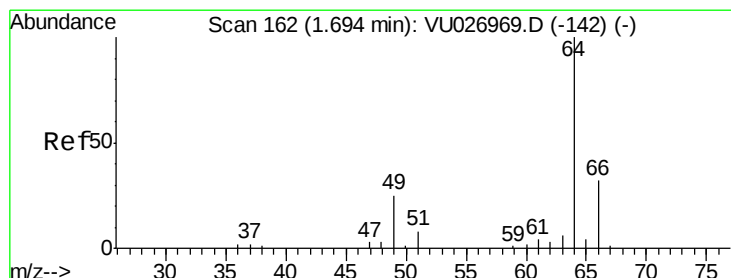
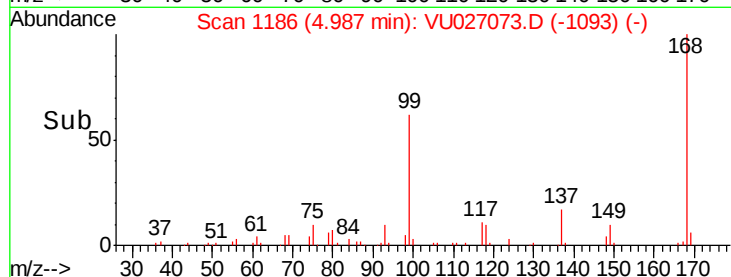
20000

10000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.898 ug/l

RT: 1.70 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU027073.D

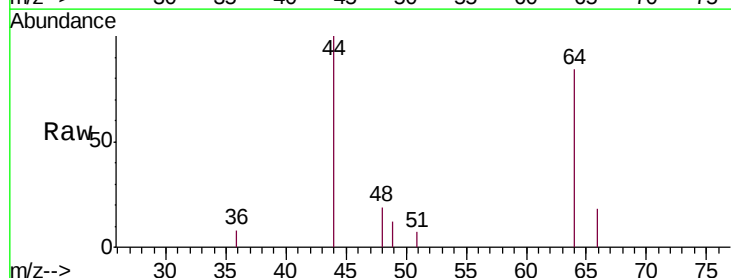
Acq: 23 Sep 2018 15:42

Tgt Ion: 64 Resp: 1274

Ion Ratio Lower Upper

64 100

66 30.5 25.3 37.9



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

Ion 65.90 (65.60 to 66.60): VU026969.D

1.70

1500

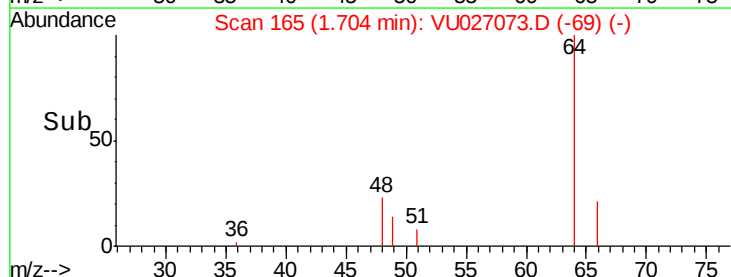
1000

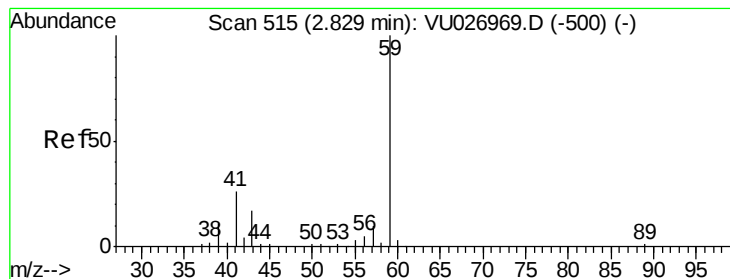
500

0

1.66 1.68 1.70 1.72 1.74

Time-->



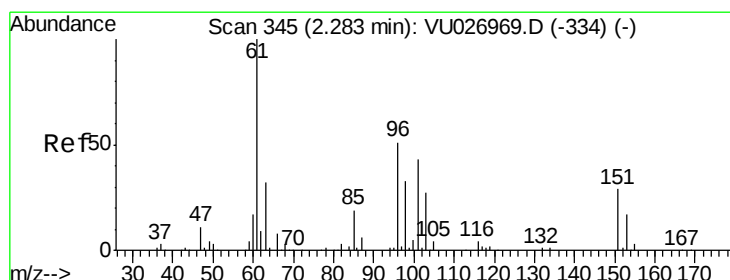
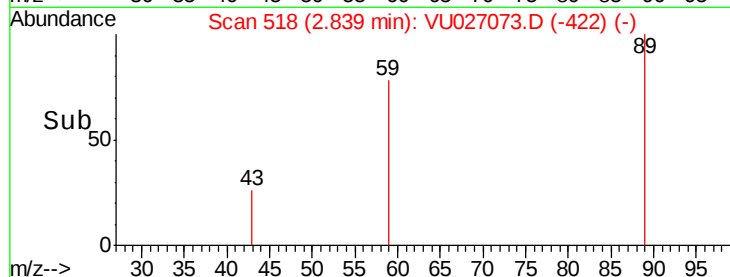
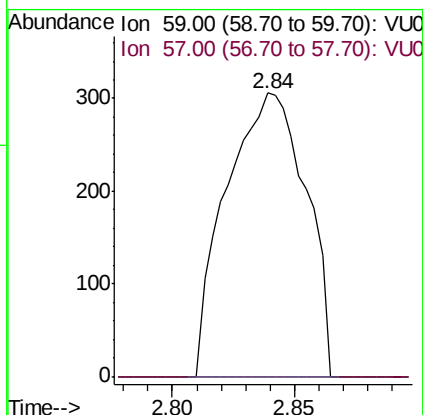
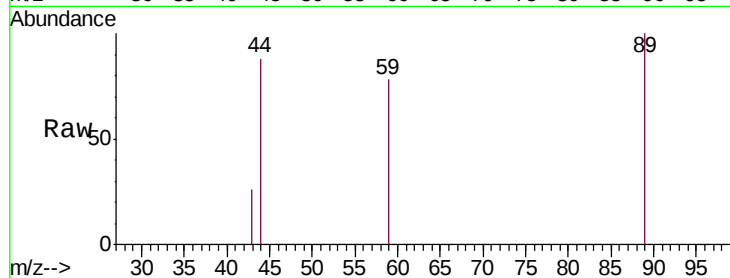


#11

Tert butyl alcohol
 Concen: 1.415 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ118S-20180914

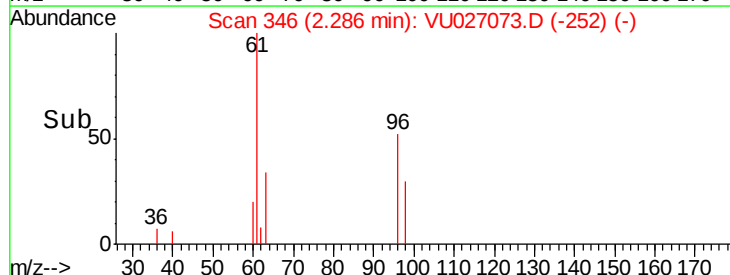
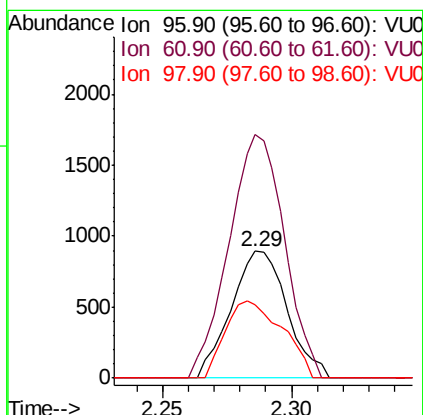
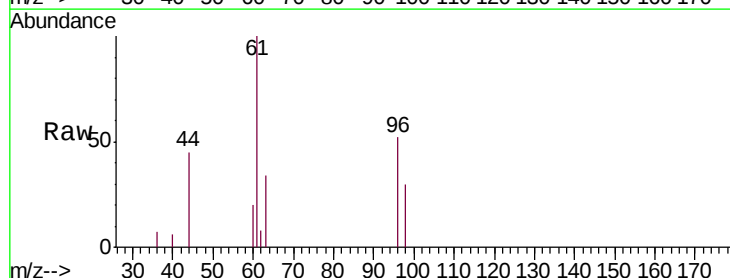
Tgt Ion: 59 Resp: 690
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

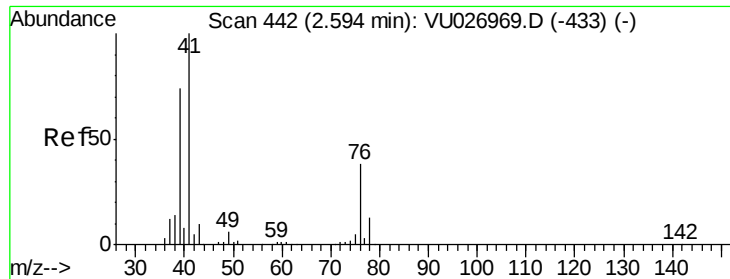


#12

1,1-Dichloroethene
 Concen: 0.925 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 96 Resp: 1350
 Ion Ratio Lower Upper
 96 100
 61 192.3 156.1 234.1
 98 57.5 51.4 77.0

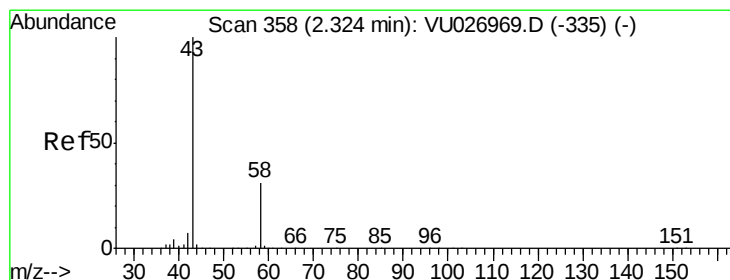
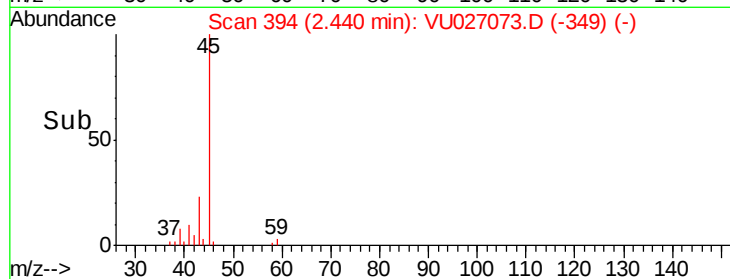
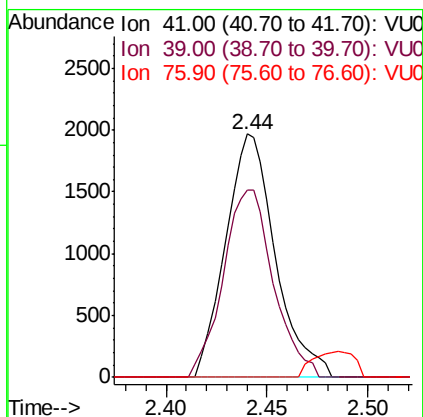
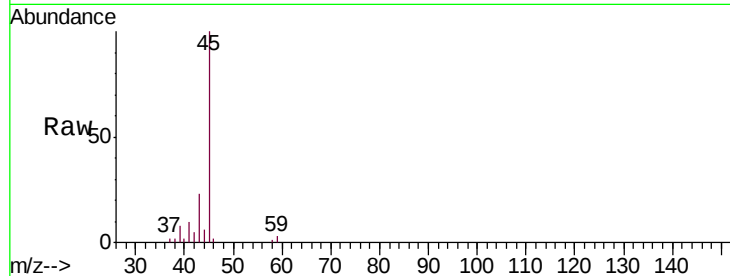




#14
 Allyl chloride
 Concen: 1.144 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

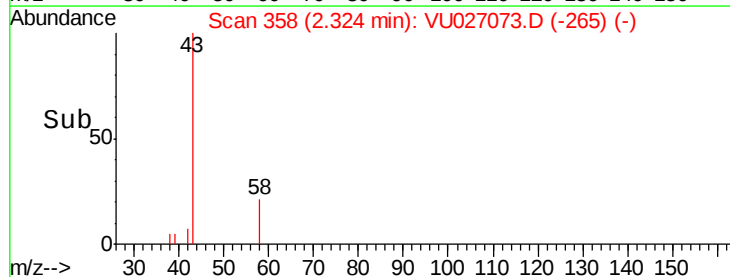
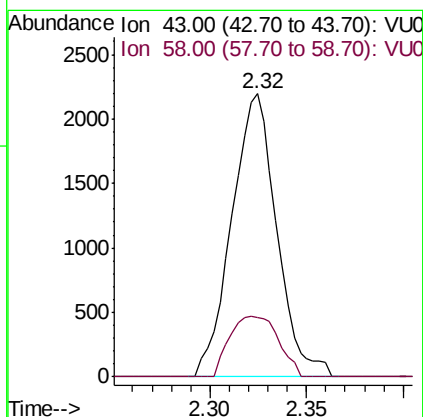
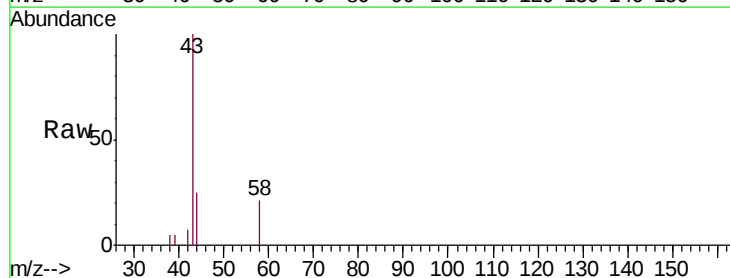
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ118S-20180914

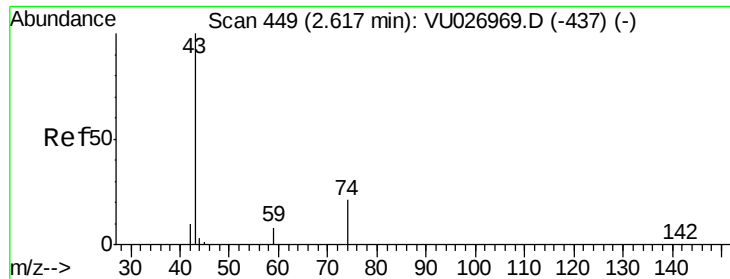
Tgt Ion: 41 Resp: 3387
 Ion Ratio Lower Upper
 41 100
 39 77.6 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 43 Resp: 3558
 Ion Ratio Lower Upper
 43 100
 58 20.8 24.6 36.8#

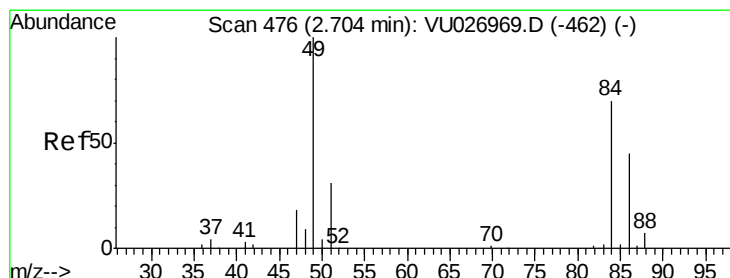
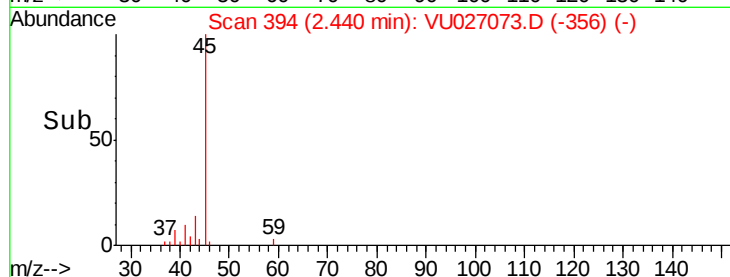
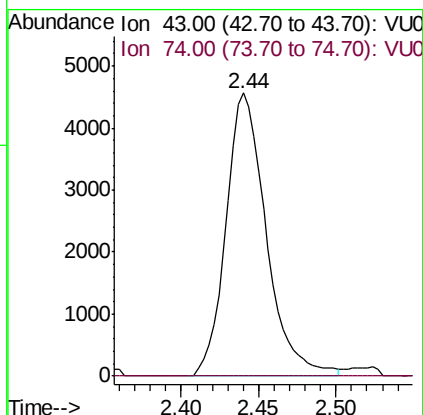
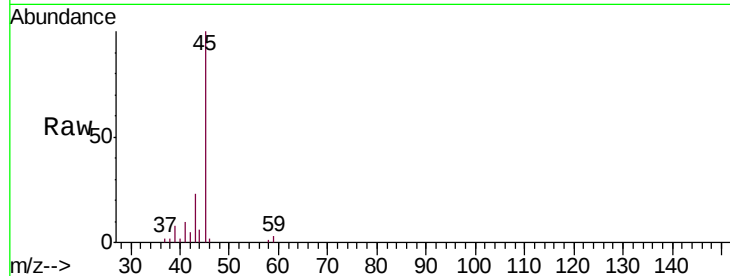




#18
Methyl Acetate
Concen: 2.718 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027073.D
Acq: 23 Sep 2018 15:42

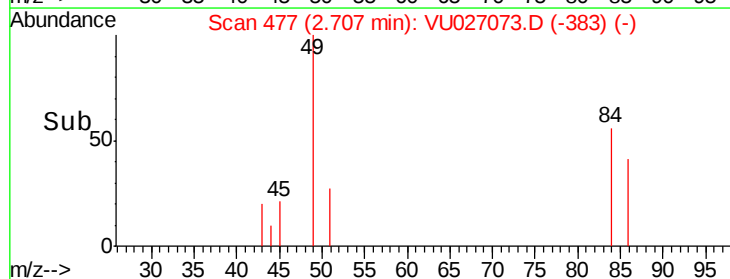
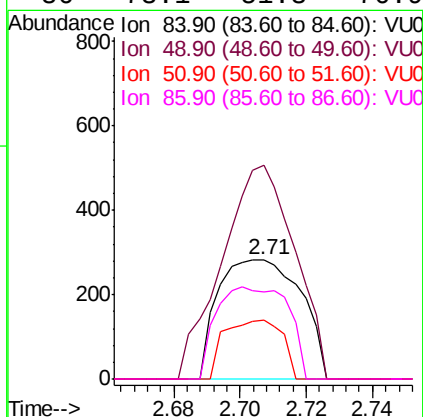
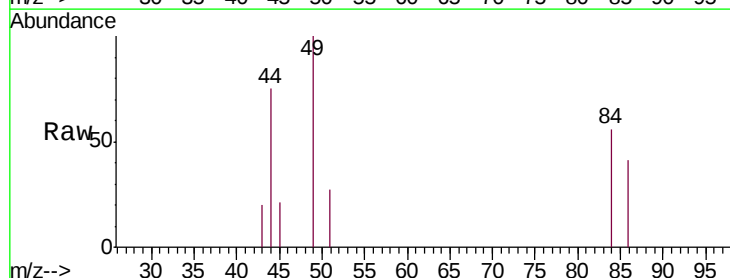
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ118S-20180914

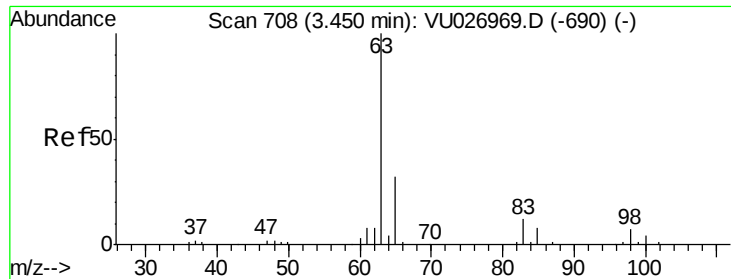
Tgt Ion: 43 Resp: 8232
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027073.D
Acq: 23 Sep 2018 15:42

Tgt Ion: 84 Resp: 491
Ion Ratio Lower Upper
84 100
49 178.8 114.9 172.3#
51 49.1 35.8 53.8
86 73.1 51.3 76.9





#24

1,1-Dichloroethane

Concen: 9.287 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027073.D

Acq: 23 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ118S-20180914

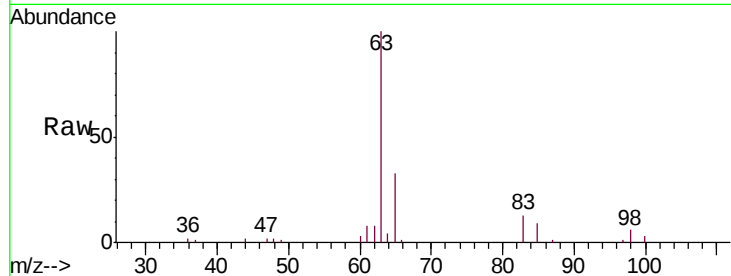
Tgt Ion: 63 Resp: 32401

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

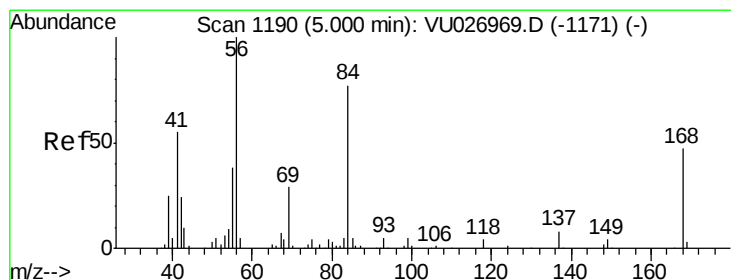
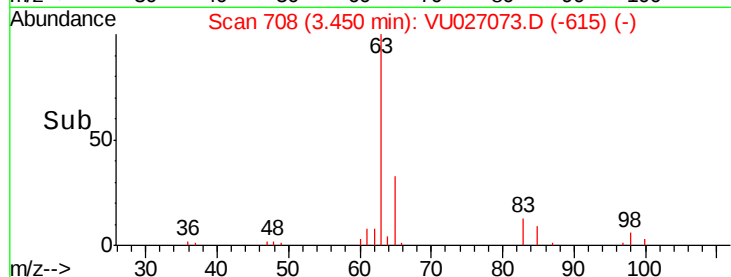
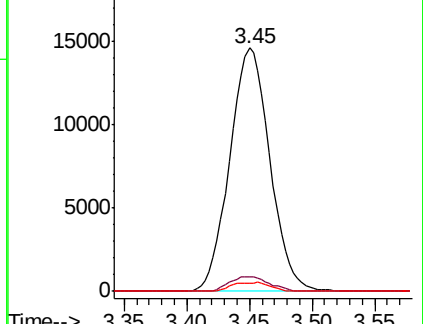
100 3.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)



#31

Cyclohexane

Concen: 0.316 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027073.D

Acq: 23 Sep 2018 15:42

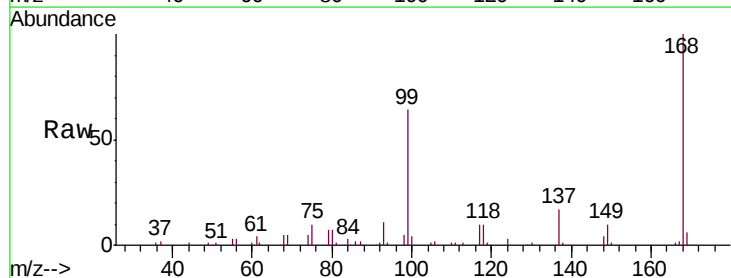
Tgt Ion: 56 Resp: 2813

Ion Ratio Lower Upper

56 100

69 157.5 23.0 34.4#

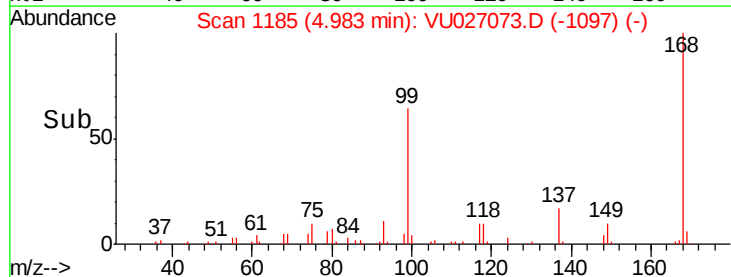
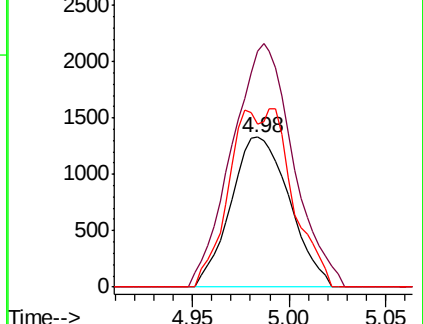
84 108.9 61.4 92.2#

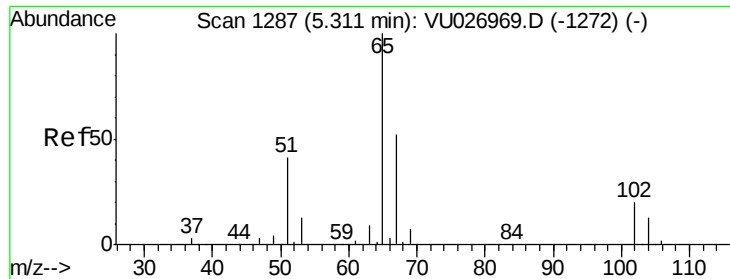


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

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

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

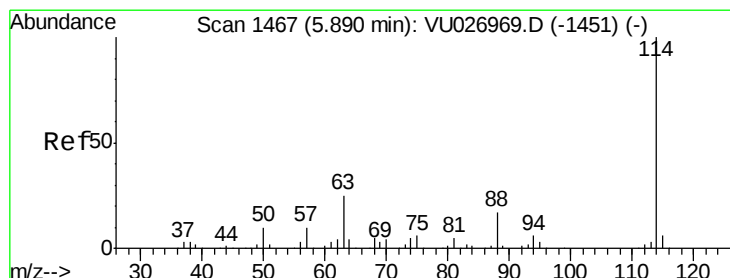
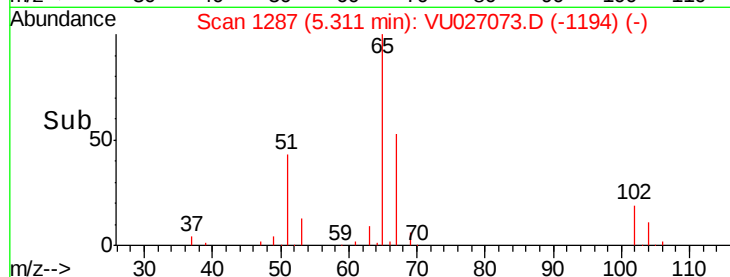
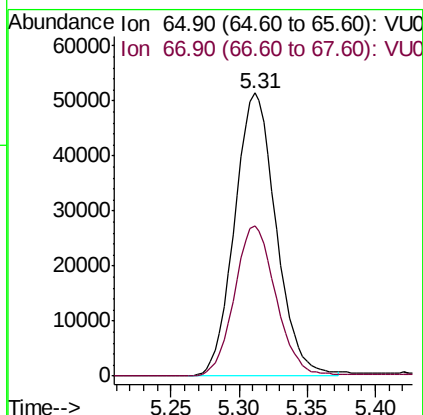
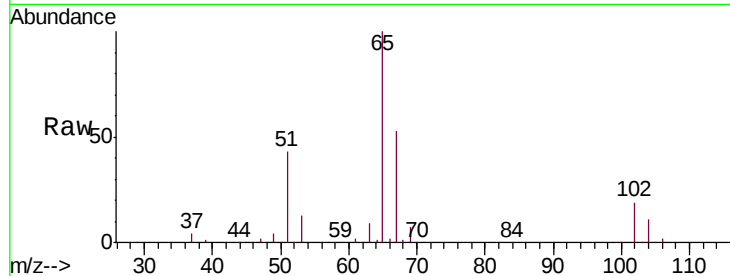




#33
 1,2-Dichloroethane-d4
 Concen: 50.998 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

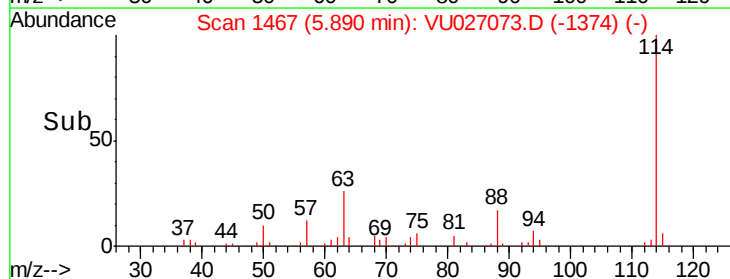
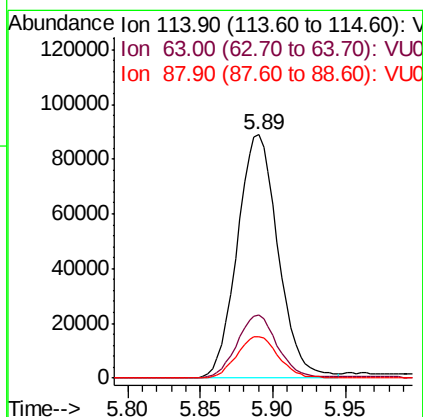
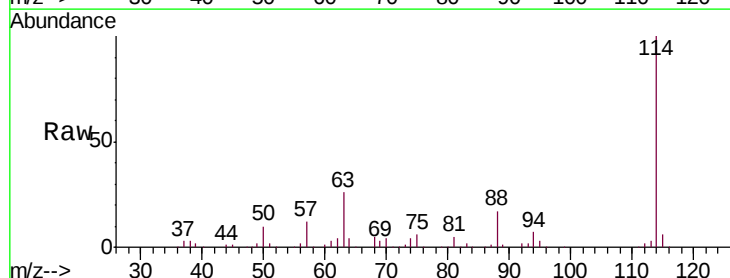
Instrument :
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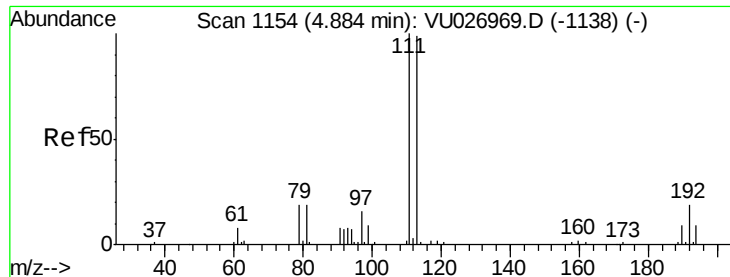
Tgt Ion: 65 Resp: 108515
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 114 Resp: 174528
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 49.2
 88 17.1 0.0 33.8

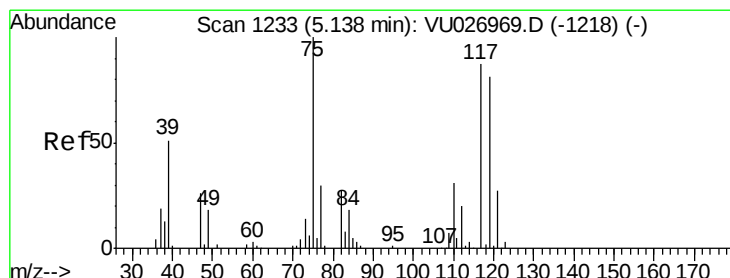
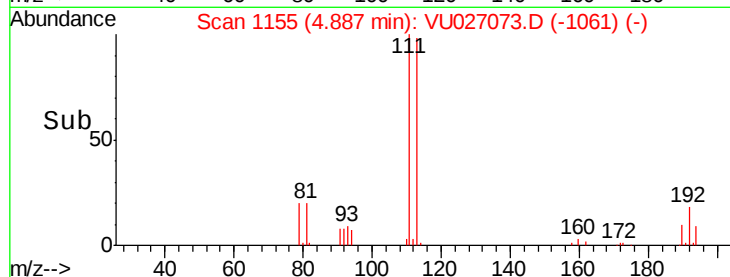
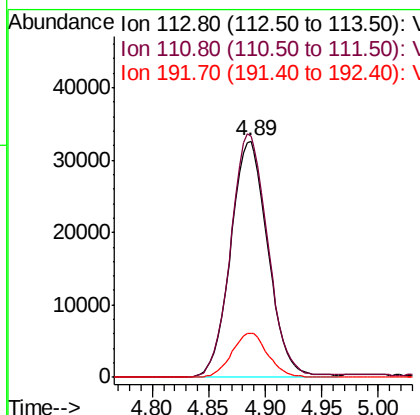
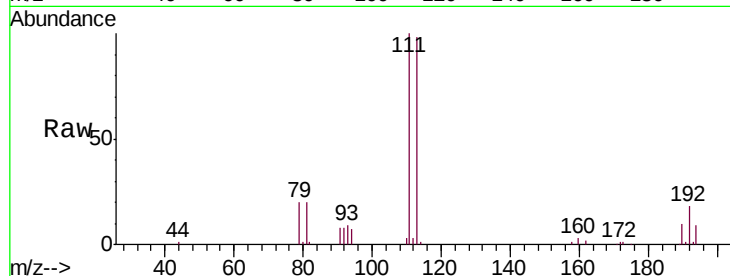




#35
 Dibromofluoromethane
 Concen: 49.590 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

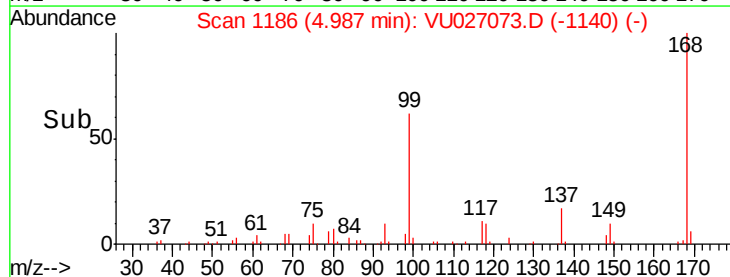
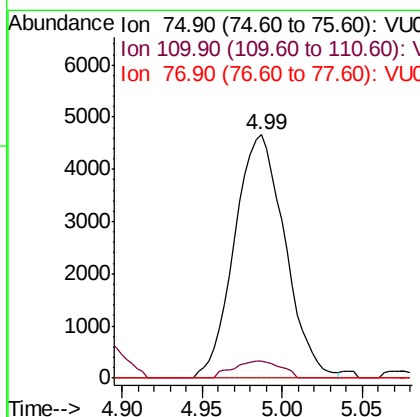
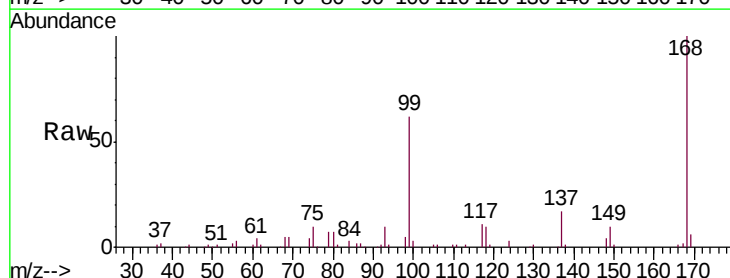
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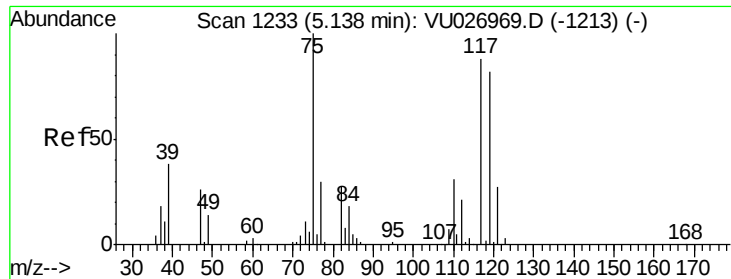
Tgt Ion:113 Resp: 75021
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 18.1 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.324 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 75 Resp: 10072
 Ion Ratio Lower Upper
 75 100
 110 6.6 16.1 48.2#
 77 0.0 24.6 36.8#

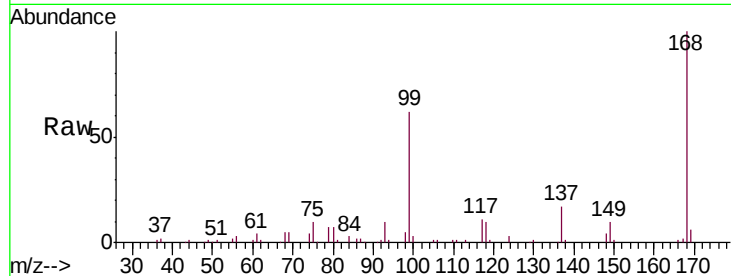




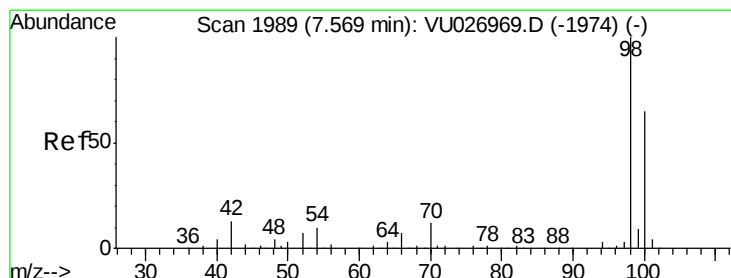
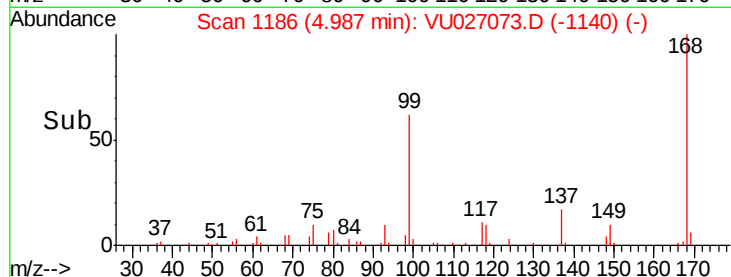
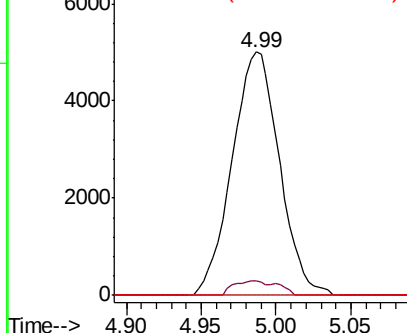
#38
Carbon Tetrachloride
Concen: 4.968 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027073.D
Acq: 23 Sep 2018 15:42

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ118S-20180914

Tgt Ion:117 Resp: 11012
Ion Ratio Lower Upper
117 100
119 6.0 74.4 111.6#
121 0.0 24.2 36.4#

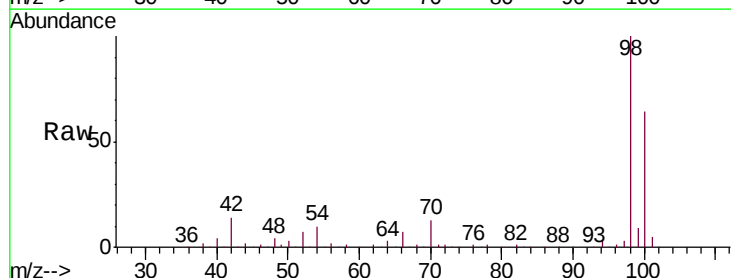


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

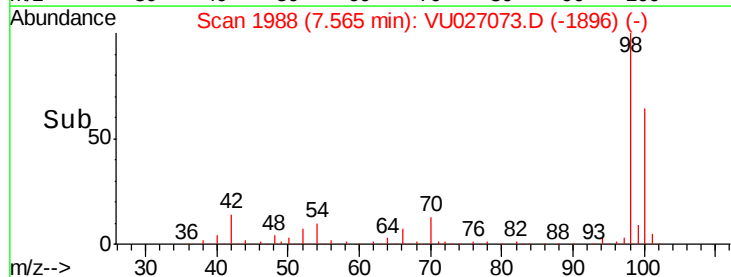
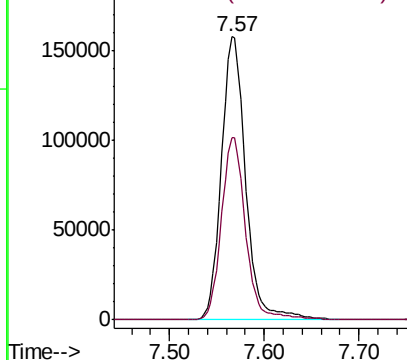


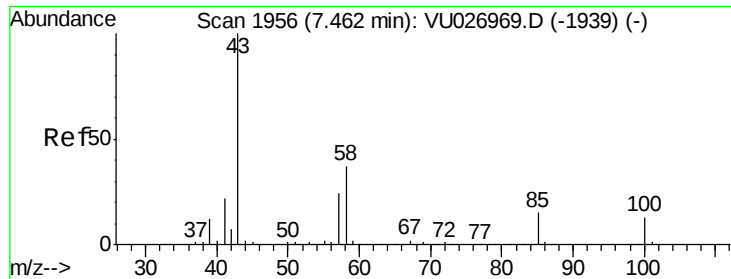
#50
Toluene-d8
Concen: 49.098 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027073.D
Acq: 23 Sep 2018 15:42

Tgt Ion: 98 Resp: 283070
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



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

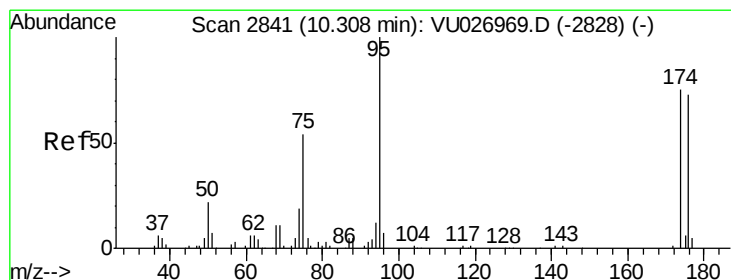
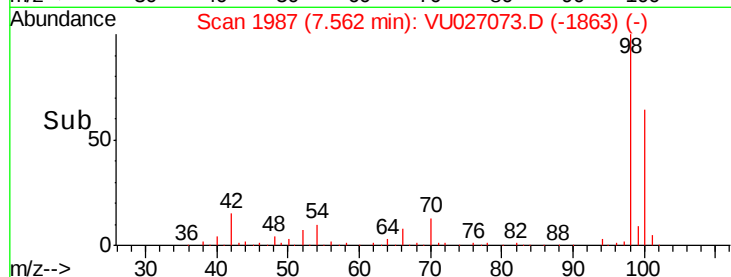
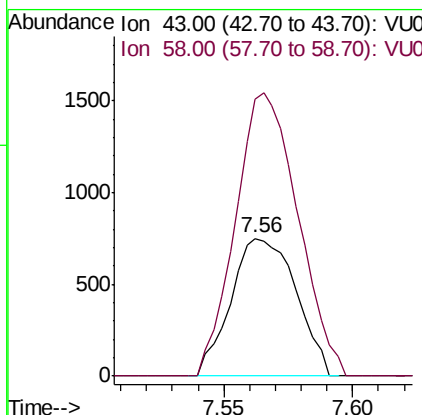
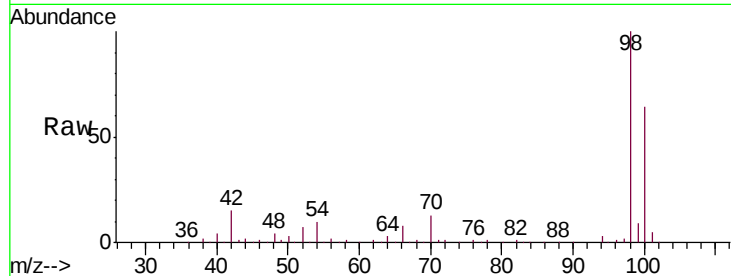




#51
 4-Methyl-2-Pentanone
 Concen: 0.428 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

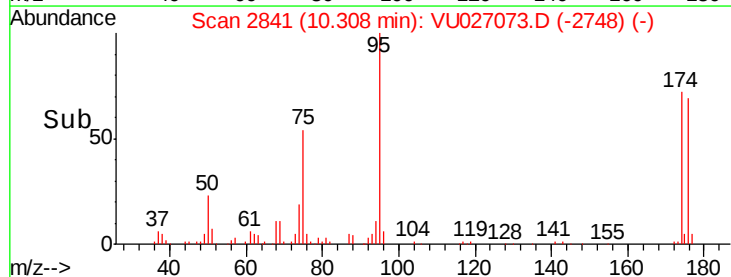
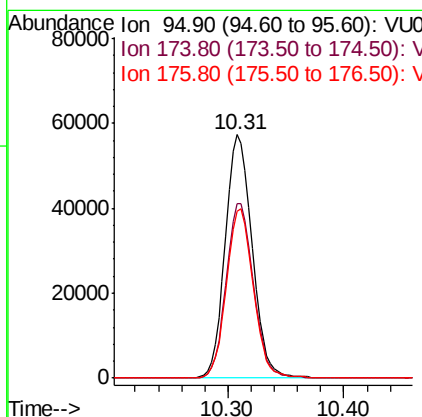
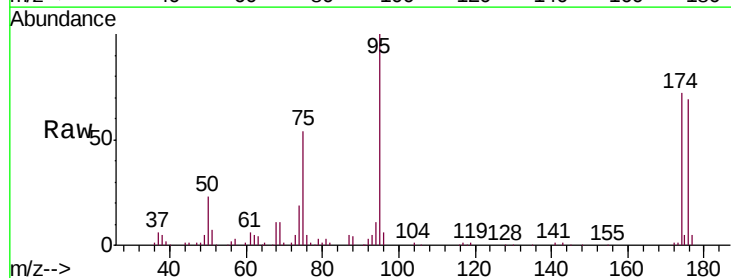
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ118S-20180914

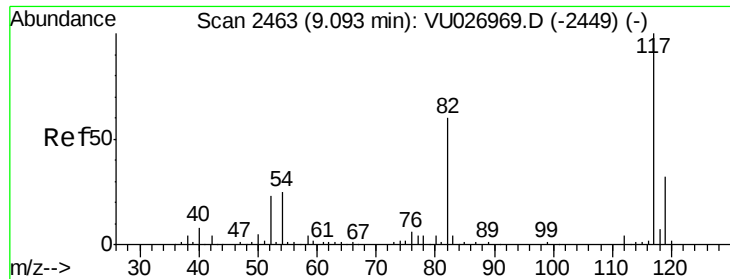
Tgt Ion: 43 Resp: 1323
 Ion Ratio Lower Upper
 43 100
 58 196.8 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 46.427 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 95 Resp: 91845
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 150.2
 176 69.4 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027073.D

Acq: 23 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ118S-20180914

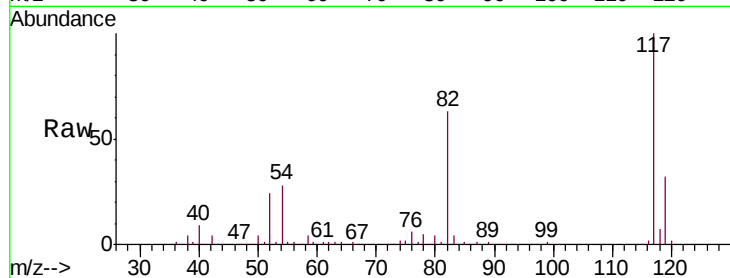
Tgt Ion:117 Resp: 168320

Ion Ratio Lower Upper

117 100

82 62.5 48.0 72.0

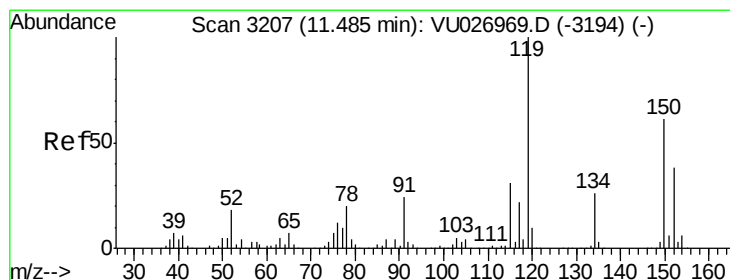
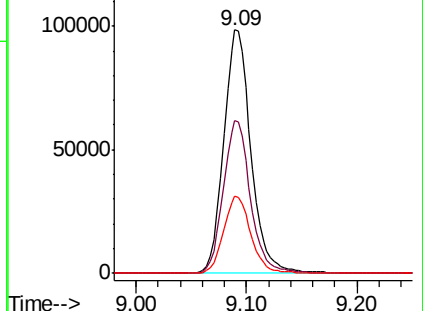
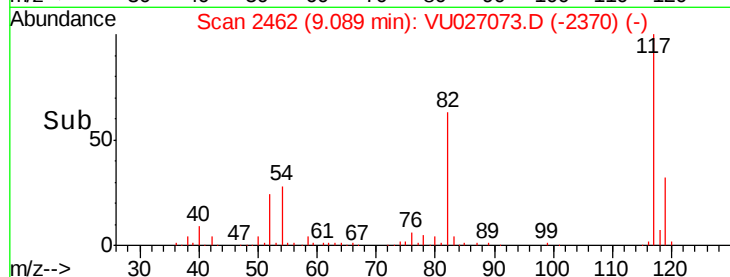
119 31.5 25.8 38.8



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: VU027073.D

Acq: 23 Sep 2018 15:42

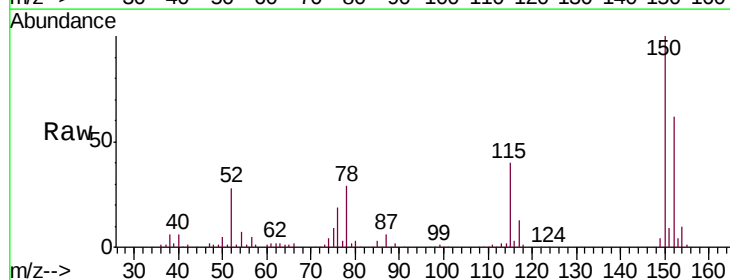
Tgt Ion:152 Resp: 76936

Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

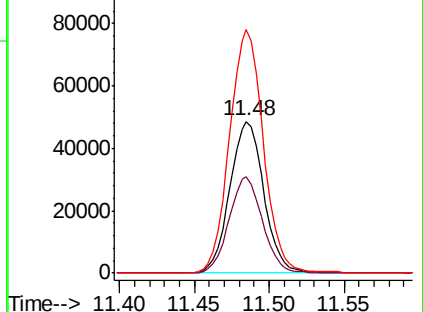
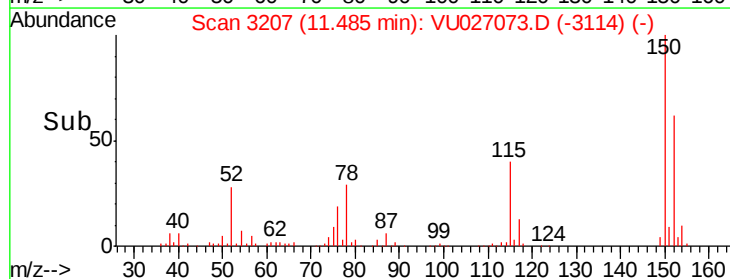
150 160.2 0.0 355.8

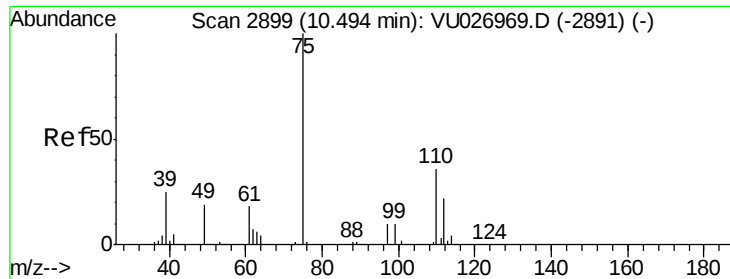


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

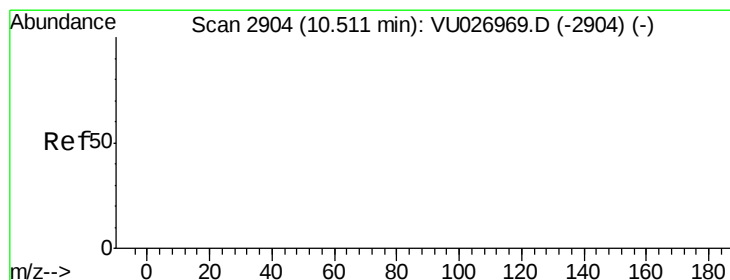
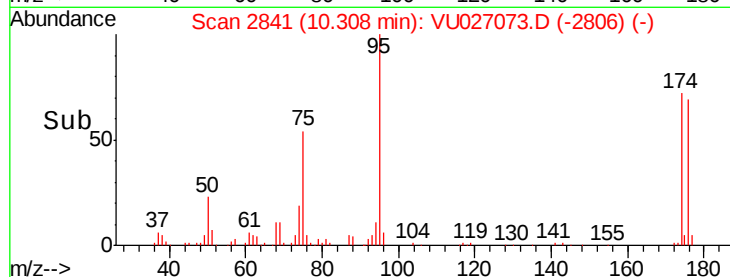
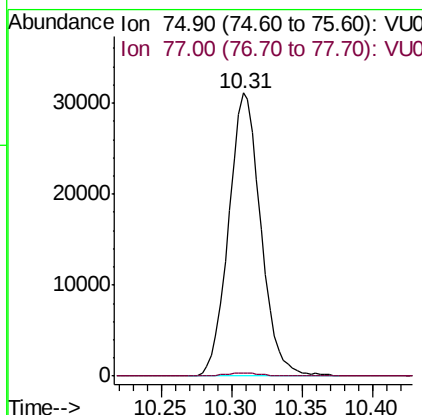
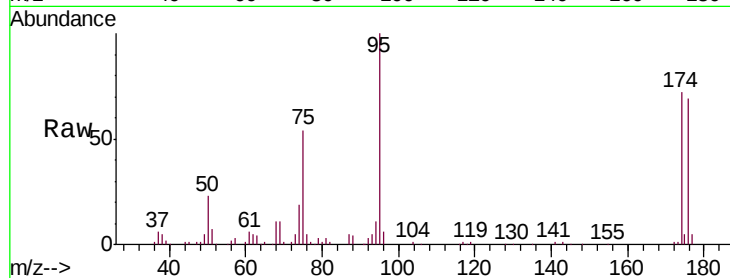




#76
 1,2,3-Trichloropropane
 Concen: 21.260 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

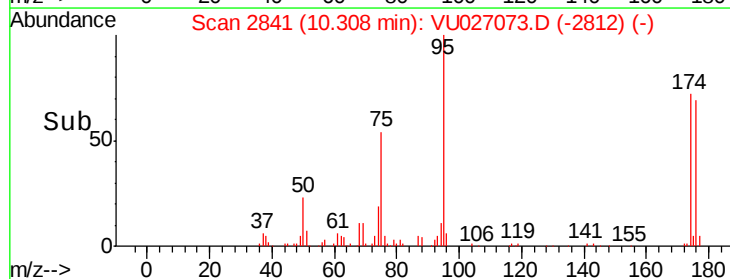
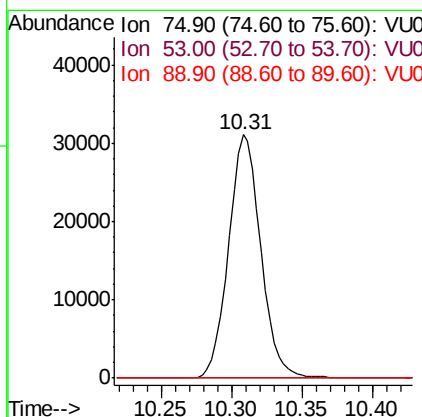
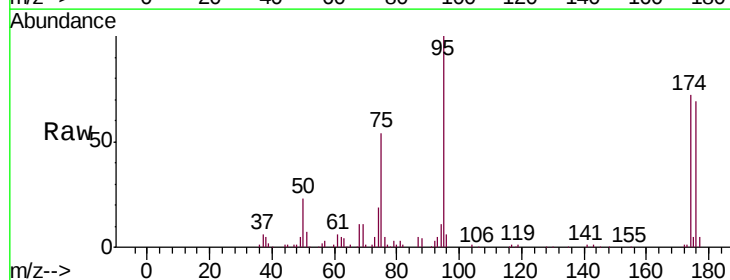
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ118S-20180914

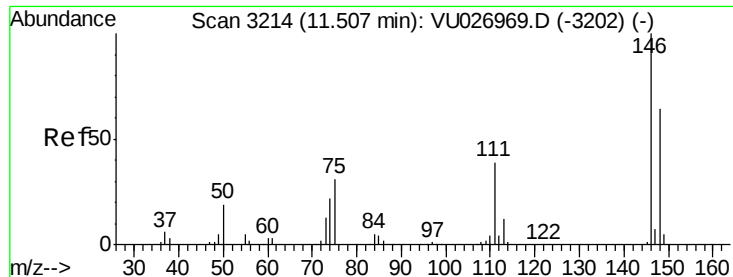
Tgt Ion: 75 Resp: 49691
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.036 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027073.D
 Acq: 23 Sep 2018 15:42

Tgt Ion: 75 Resp: 49691
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027073.D

Acq: 23 Sep 2018 15:42

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ118S-20180914

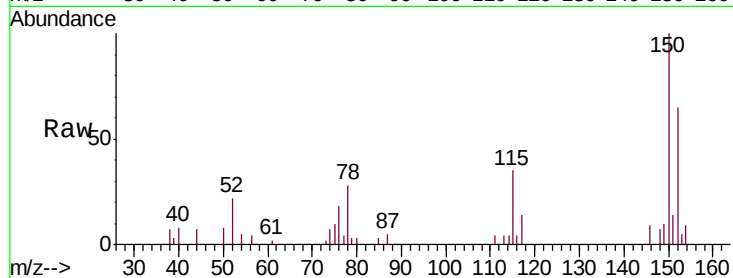
Tgt Ion:146 Resp: 611

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

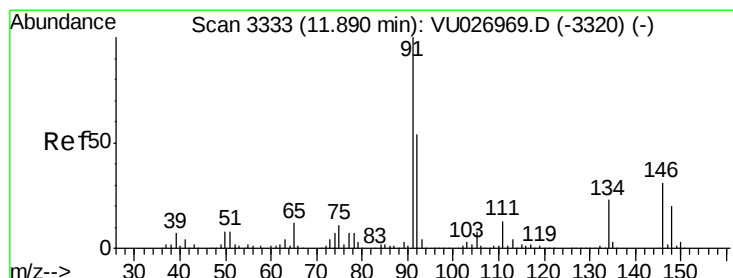
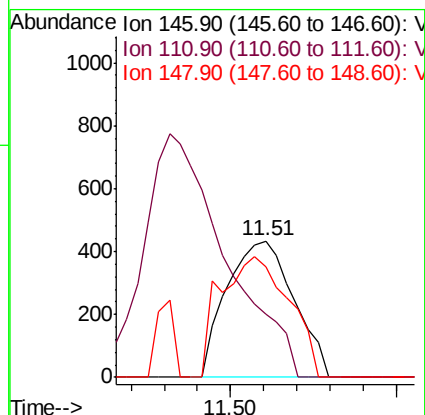
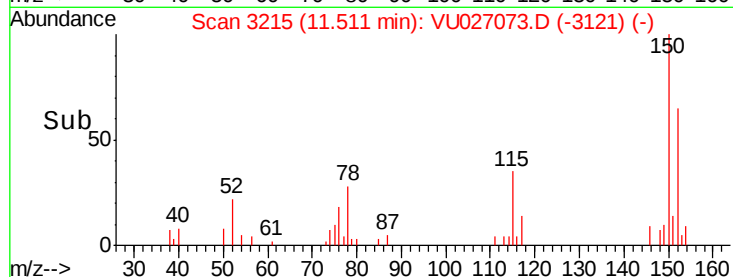
148 90.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.400 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027073.D

Acq: 23 Sep 2018 15:42

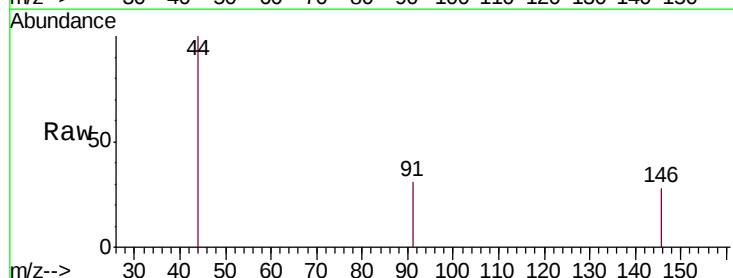
Tgt Ion: 91 Resp: 42

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

