

Data File : VU027042.D
Acq On : 23 Sep 2018 02:15
Operator : MD/SY
Sample : VU0923WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 84 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBL01

Quant Time: Sep 24 05:45:44 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	96593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	161928	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	155725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	97444	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	4.89	113	68510	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	7.57	98	251449	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	10.31	95	82284	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

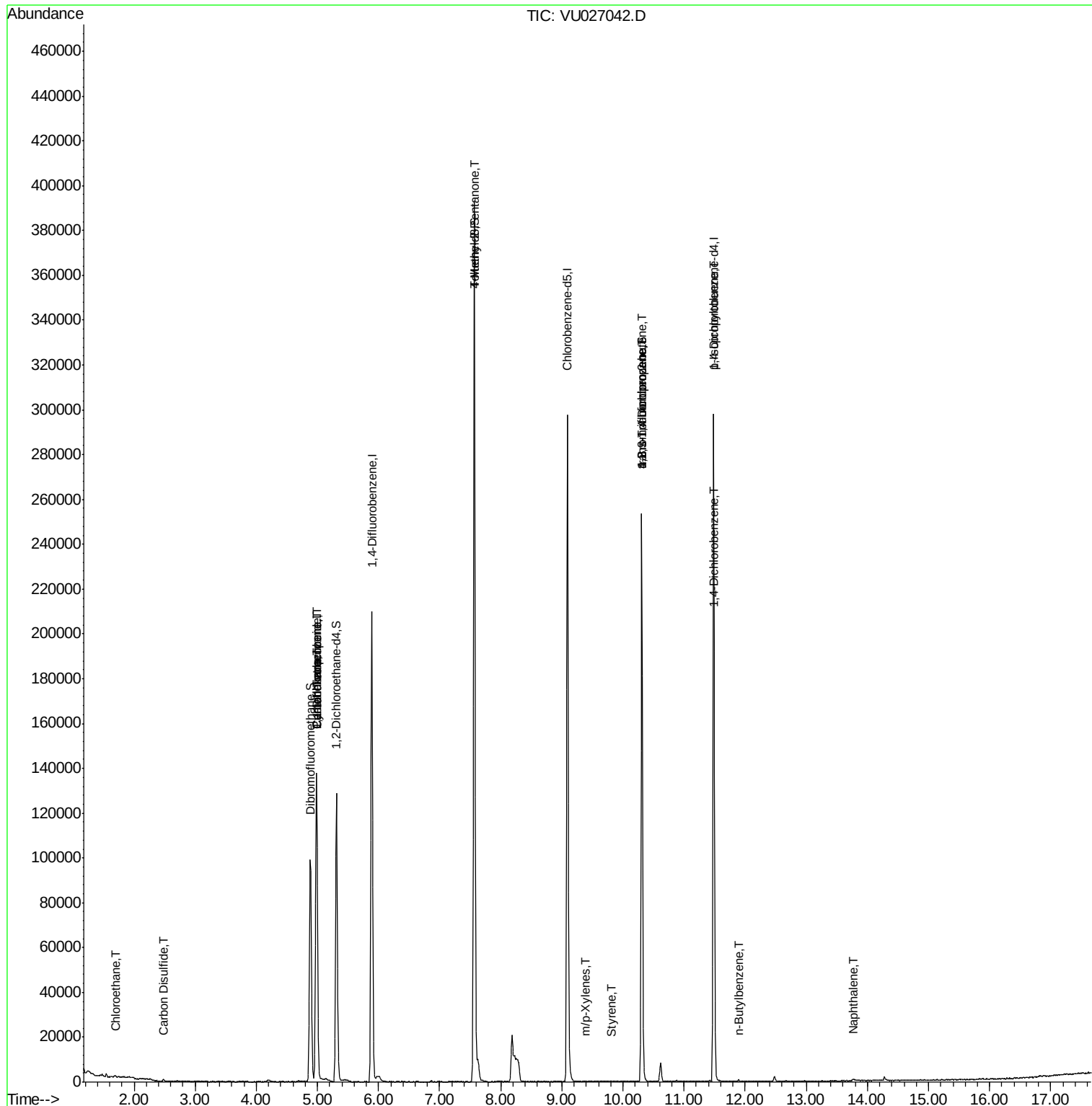
						Qvalue
6) Chloroethane	1.71	64	341	0.263	ug/l #	43
16) Acetone	2.32	43	266	Below Cal	#	44
17) Carbon Disulfide	2.48	76	912	0.210	ug/l #	75
31) Cyclohexane	4.99	56	2593	0.324	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9540	4.414	ug/l #	48
38) Carbon Tetrachloride	4.99	117	10341	5.028	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1238	0.431	ug/l #	1
68) m/p-Xylenes	9.38	106	87	1.532	ug/l #	1
70) Styrene	9.80	104	20	1.814	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	45257	20.927	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45257	66.969	ug/l #	100
86) p-Isopropyltoluene	11.48	119	201	0.966	ug/l #	15
88) 1,4-Dichlorobenzene	11.50	146	607	0.226	ug/l #	70
89) n-Butylbenzene	11.89	91	254	2.442	ug/l #	84
95) Naphthalene	13.76	128	265	1.732	ug/l #	69

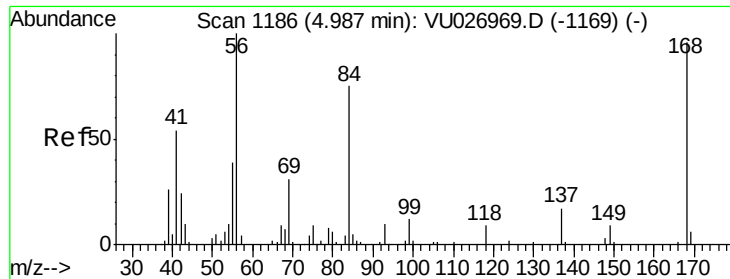
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027042.D

Acq: 23 Sep 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

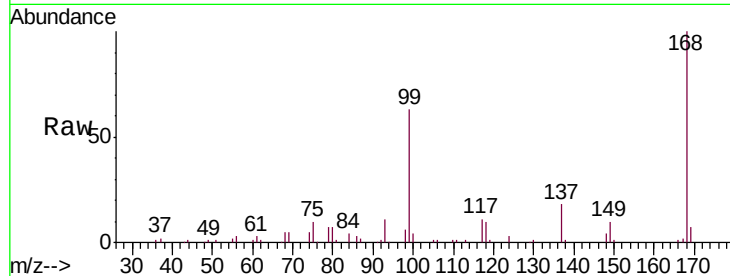
VU0923WBL01

Tgt Ion:168 Resp: 96593

Ion Ratio Lower Upper

168 100

99 62.6 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

50000

40000

30000

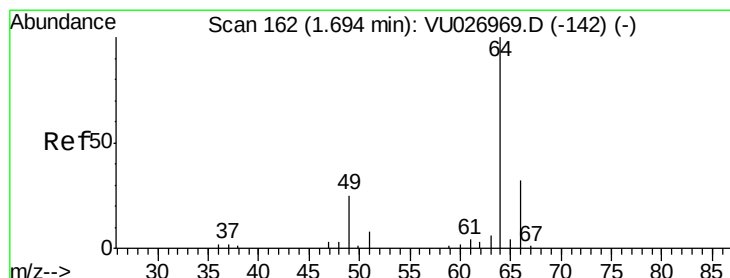
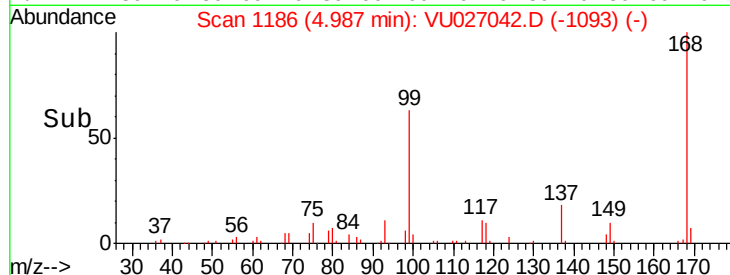
20000

10000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.71 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU027042.D

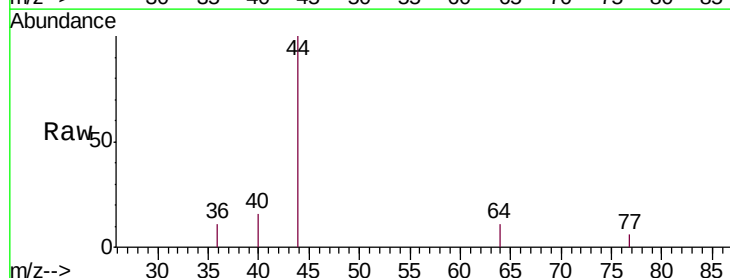
Acq: 23 Sep 2018 02:15

Tgt Ion: 64 Resp: 341

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) (-)

1.71

200

150

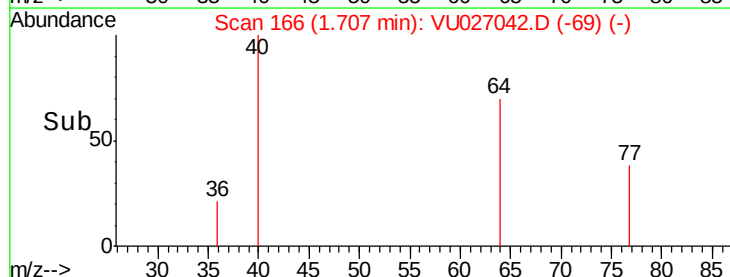
100

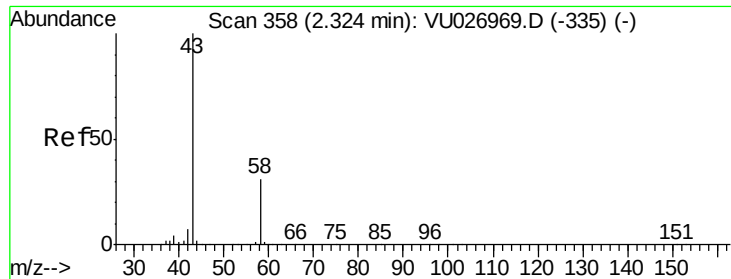
50

0

Time-->

1.66 1.68 1.70 1.72





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027042.D

Acq: 23 Sep 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

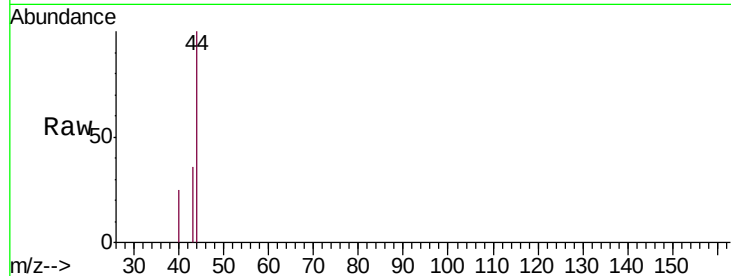
VU0923WBL01

Tgt Ion: 43 Resp: 266

Ion Ratio Lower Upper

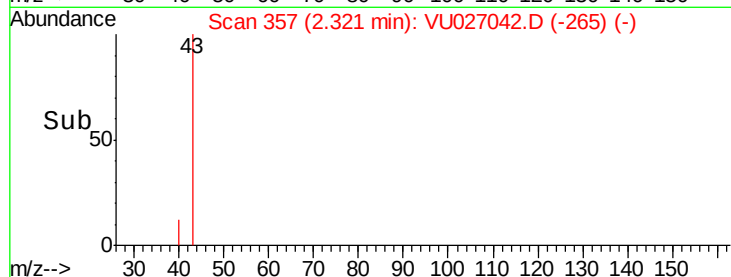
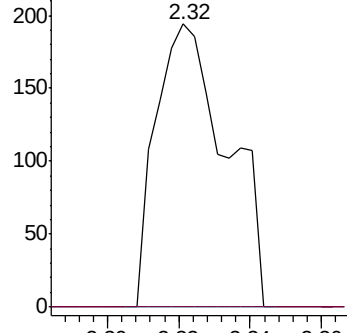
43 100

58 0.0 24.6 36.8#

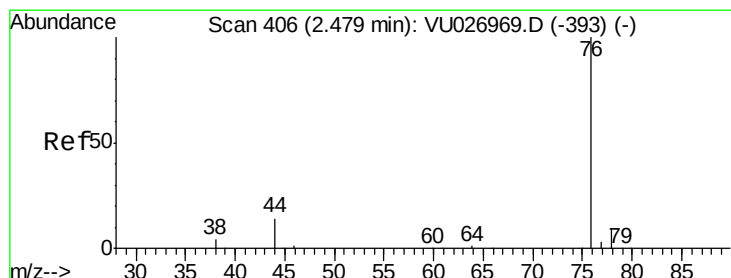


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027042.D

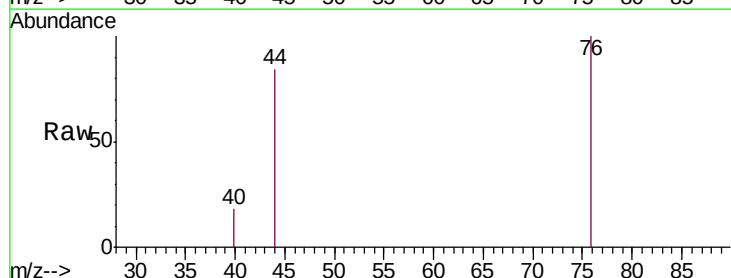
Acq: 23 Sep 2018 02:15

Tgt Ion: 76 Resp: 912

Ion Ratio Lower Upper

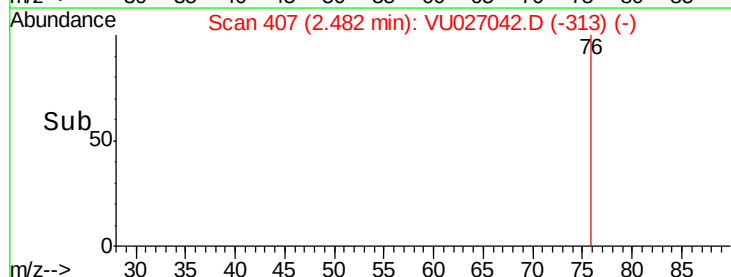
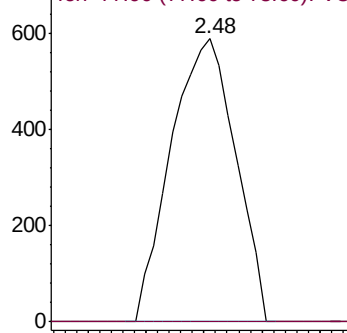
76 100

78 0.0 7.1 10.7#

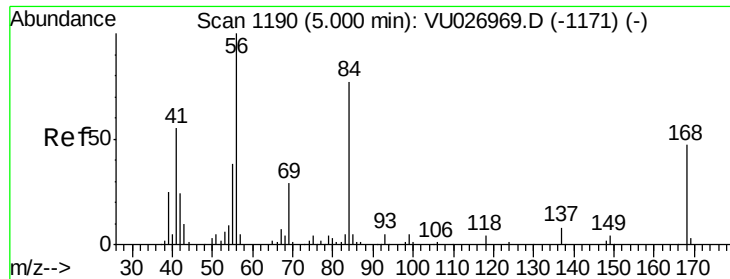


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



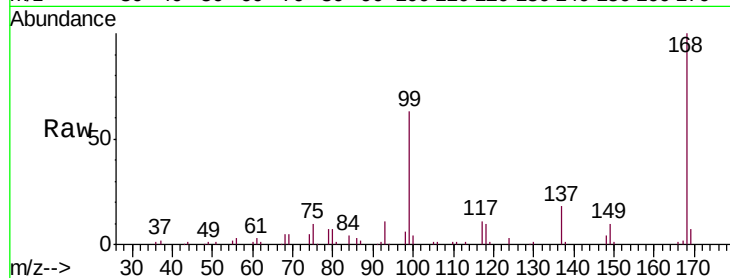
Time-->



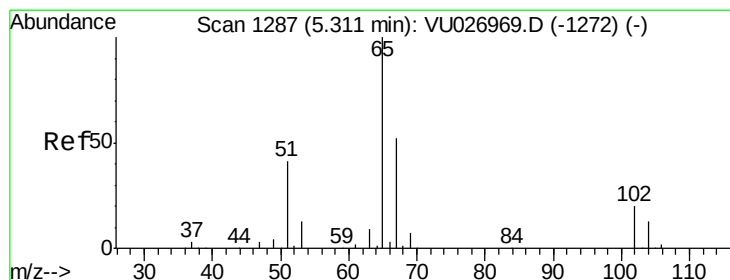
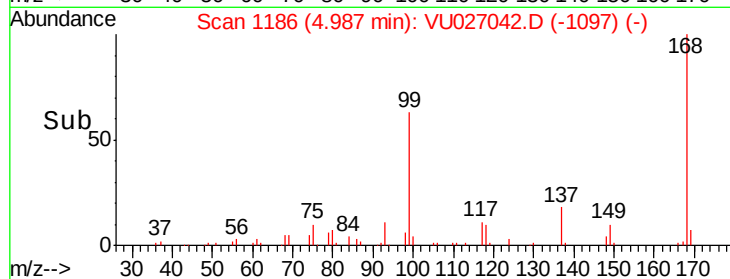
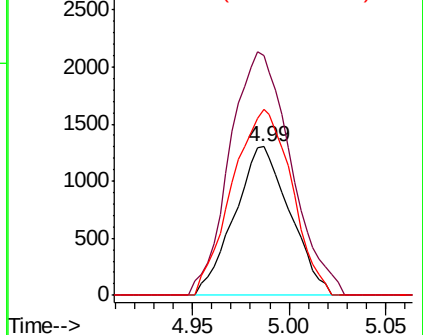
#31
Cyclohexane
Concen: 0.324 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBL01

Tgt Ion: 56 Resp: 2593
Ion Ratio Lower Upper
56 100
69 161.2 23.0 34.4#
84 125.1 61.4 92.2#

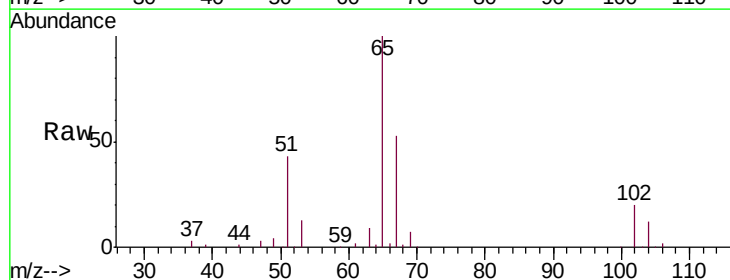


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

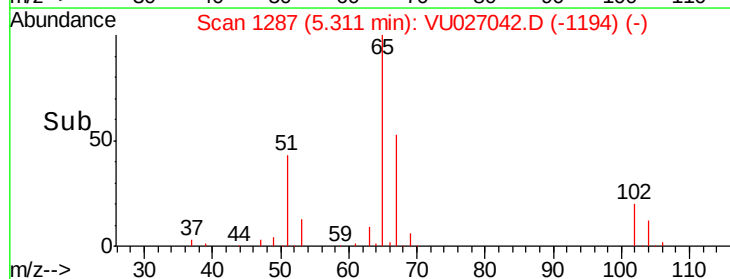
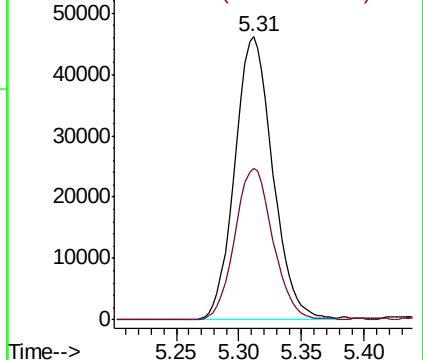


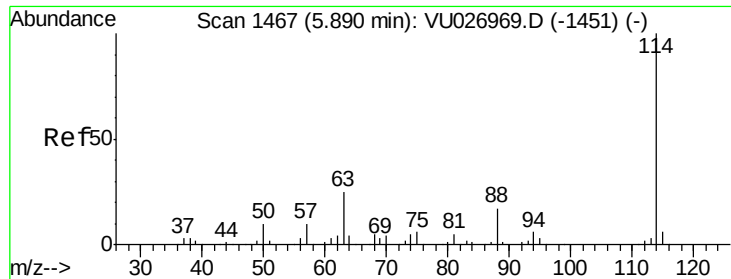
#33
1,2-Dichloroethane-d4
Concen: 50.123 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

Tgt Ion: 65 Resp: 97444
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6



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

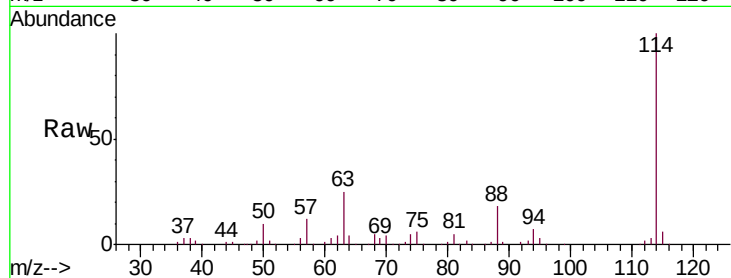




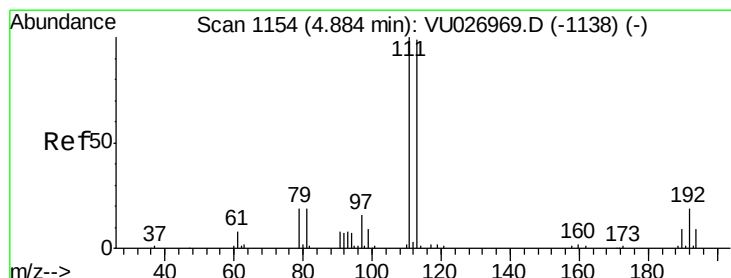
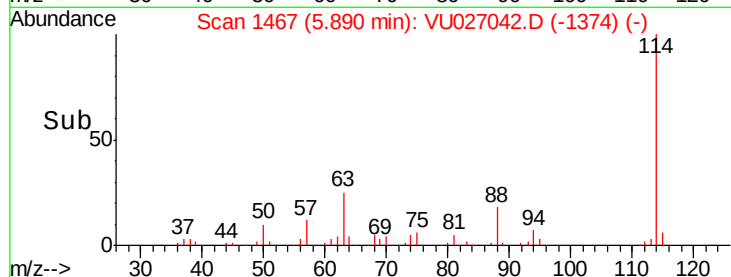
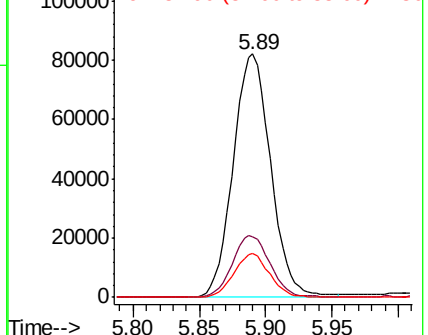
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBL01

Tgt Ion:114 Resp: 161928
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 17.9 0.0 33.8

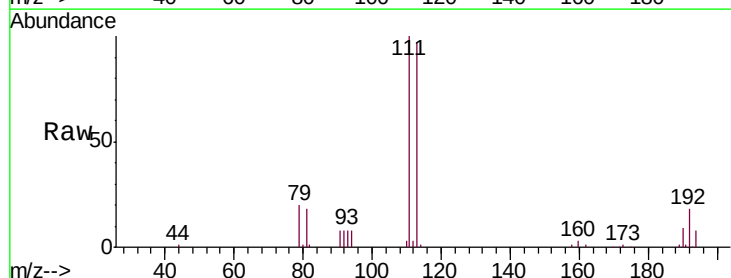


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

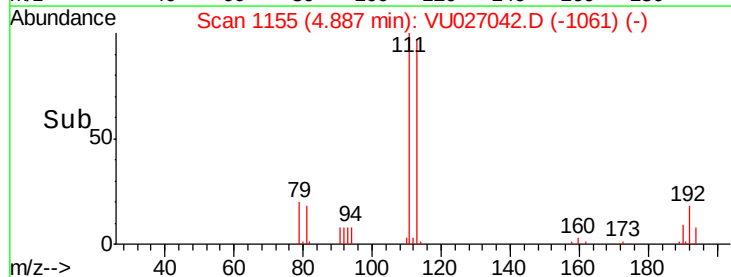
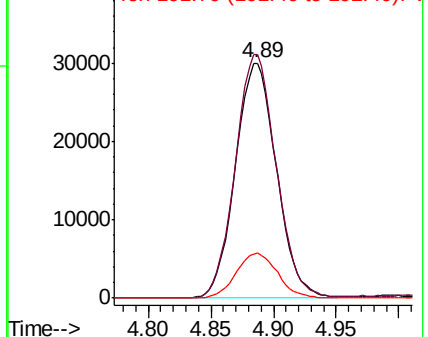


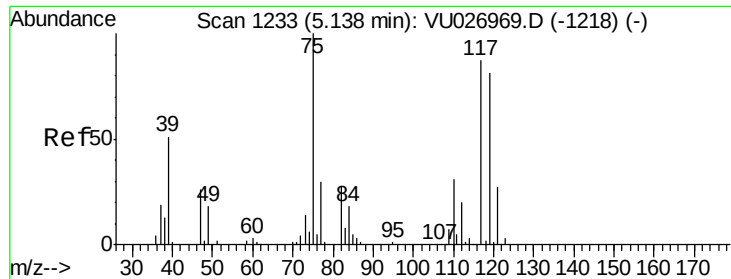
#35
 Dibromofluoromethane
 Concen: 48.810 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

Tgt Ion:113 Resp: 68510
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 19.1 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

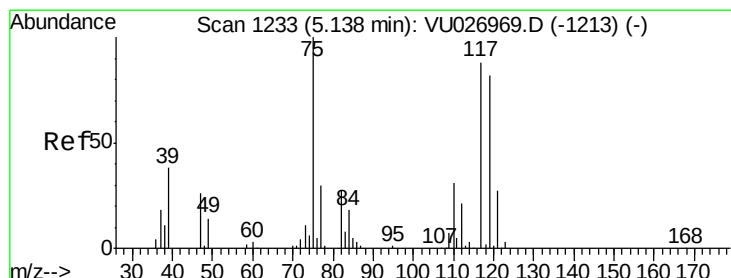
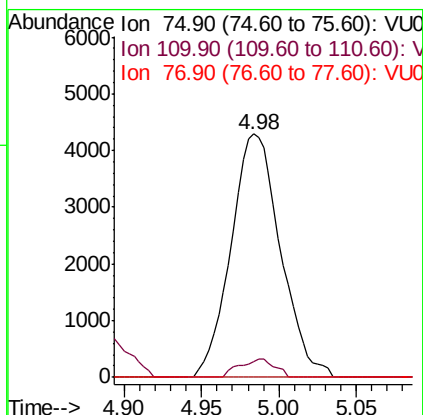
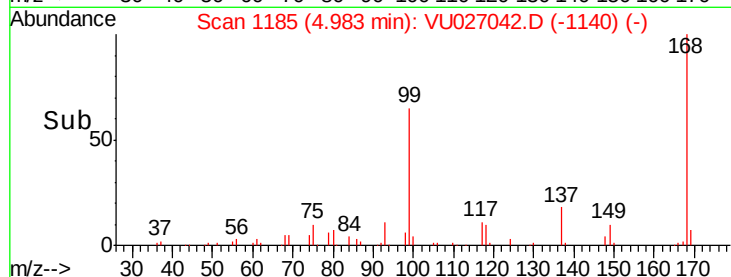
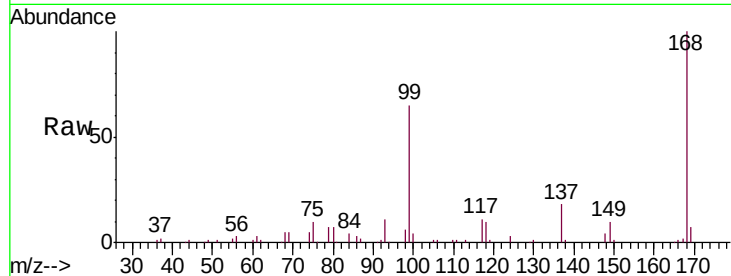




#36
 1,1-Dichloropropene
 Concen: 4.414 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

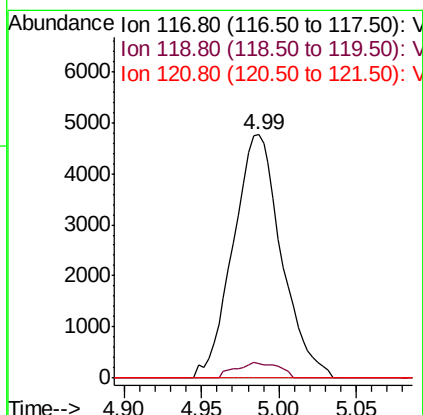
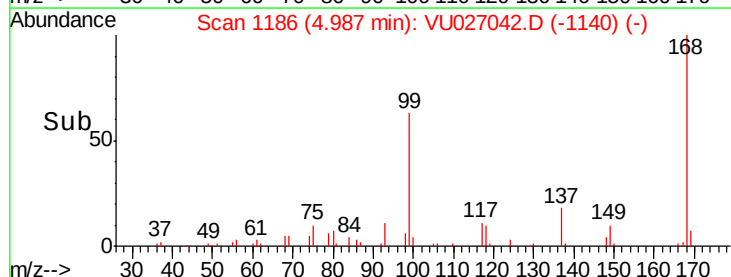
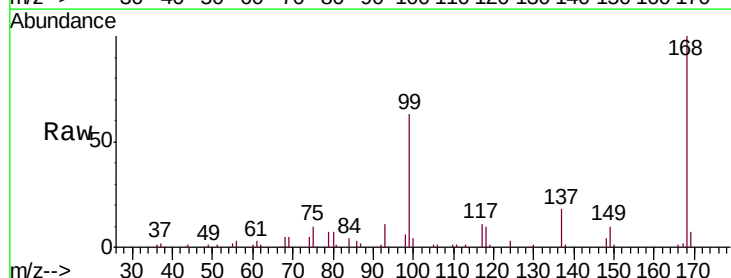
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBL01

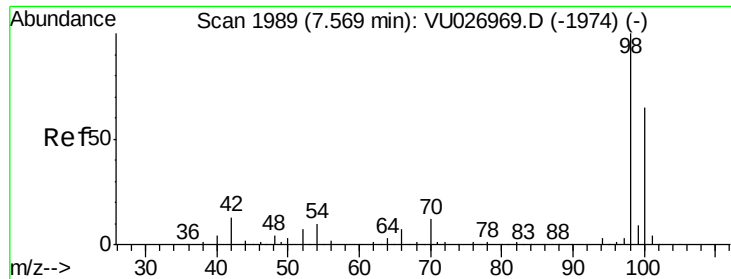
Tgt Ion: 75 Resp: 9540
 Ion Ratio Lower Upper
 75 100
 110 5.3 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.028 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

Tgt Ion: 117 Resp: 10341
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.4 111.6#
 121 0.0 24.2 36.4#

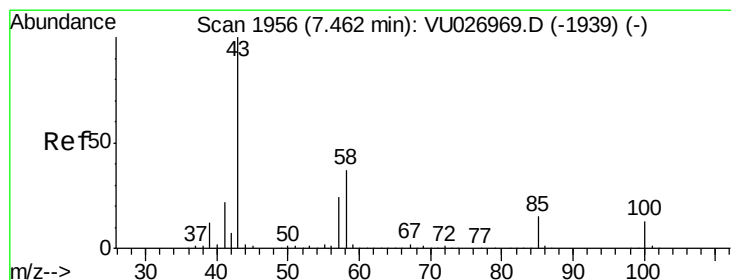
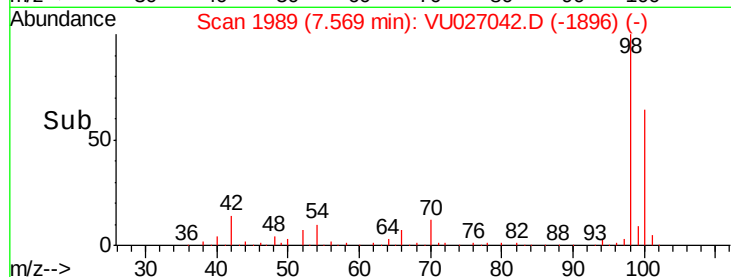
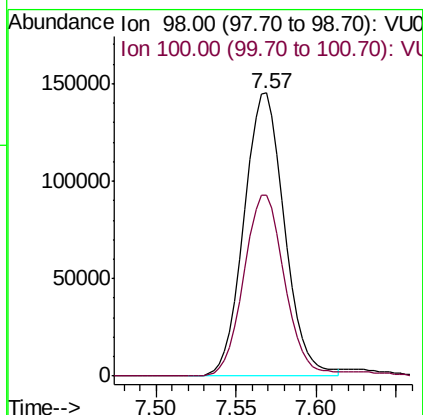
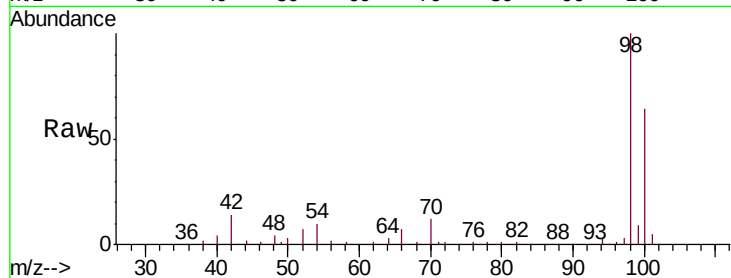




#50
Toluene-d8
Concen: 47.007 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

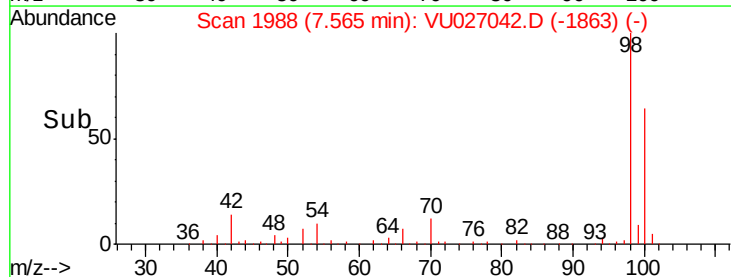
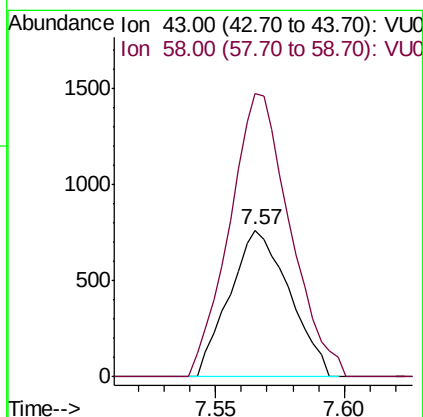
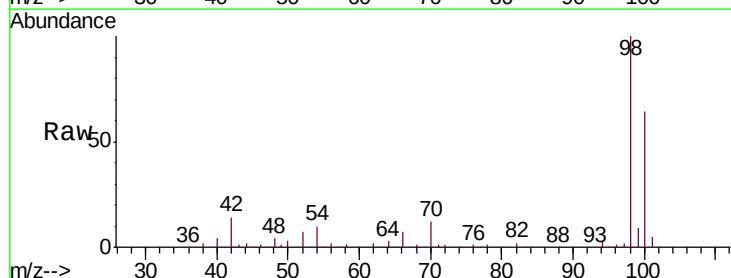
Instrument :
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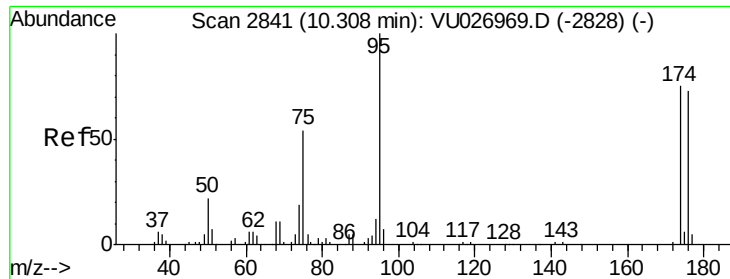
Tgt Ion: 98 Resp: 251449
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
58 194.6 29.8 44.6#

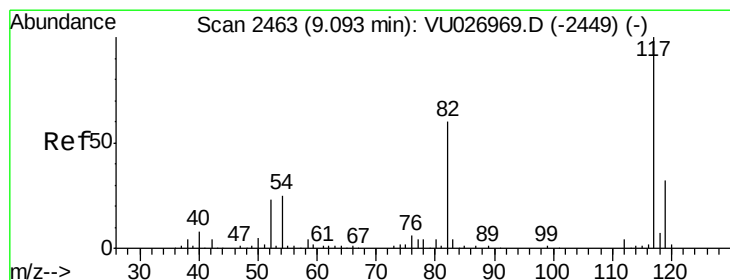
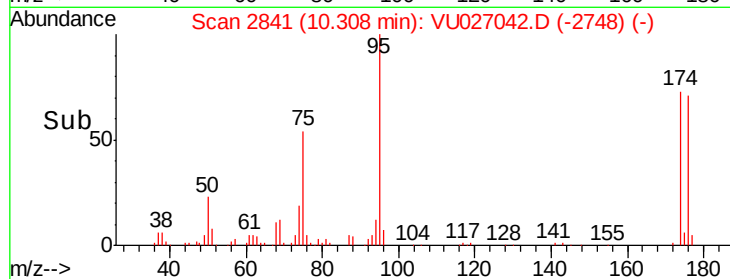
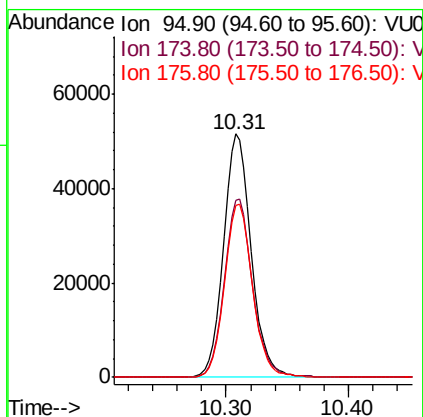
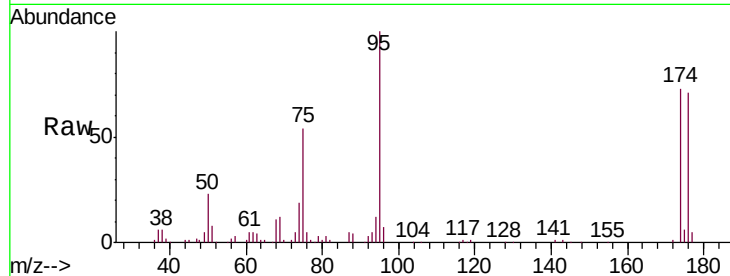




#62
 4-Bromofluorobenzene
 Concen: 44.830 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

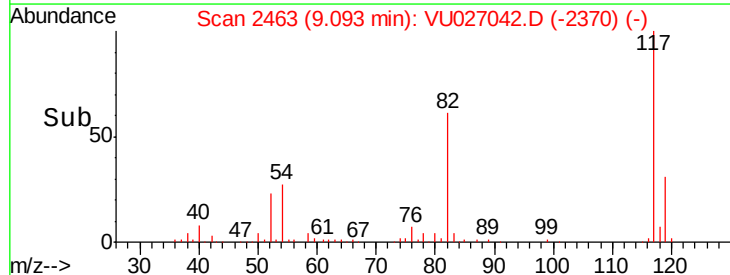
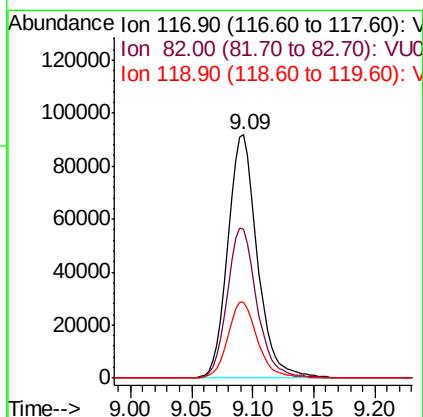
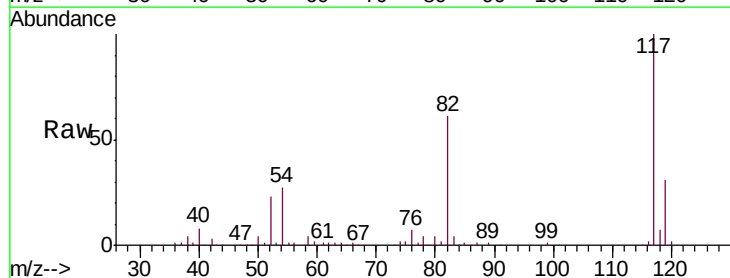
Instrument :
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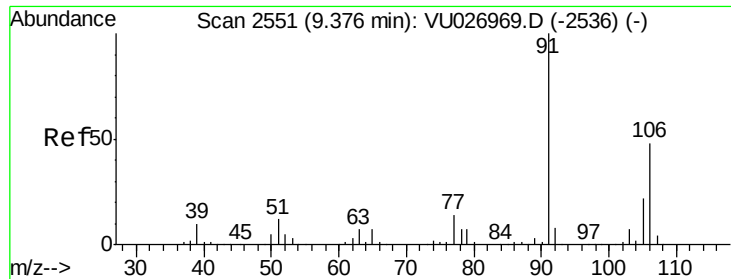
Tgt Ion: 95 Resp: 82284
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 150.2
 176 72.0 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

Tgt Ion: 117 Resp: 155725
 Ion Ratio Lower Upper
 117 100
 82 60.9 48.0 72.0
 119 31.2 25.8 38.8

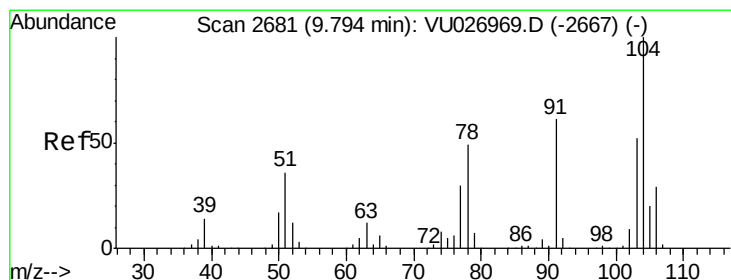
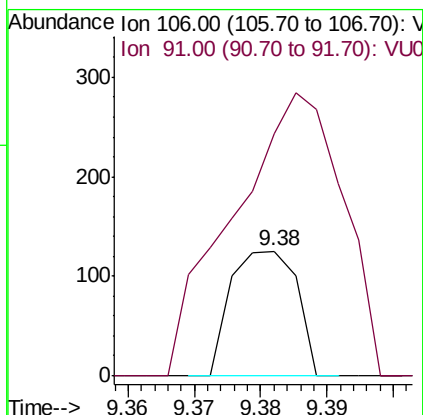
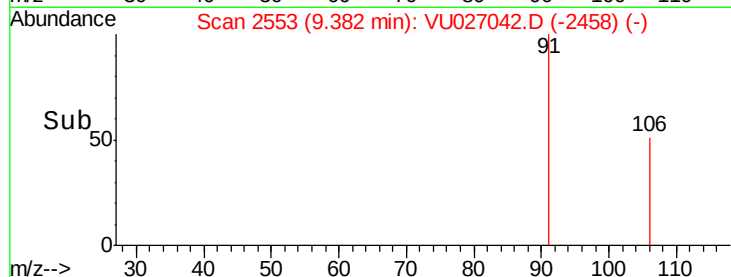
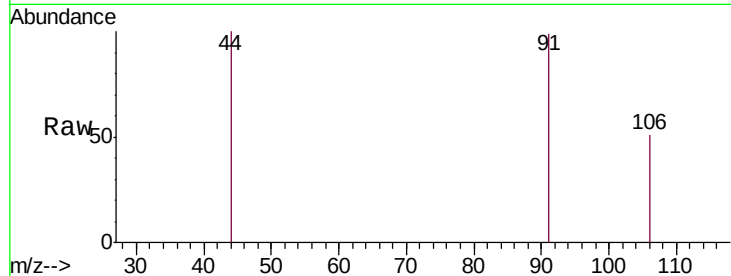




#68
m/p-Xylenes
Concen: 1.532 ug/l
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

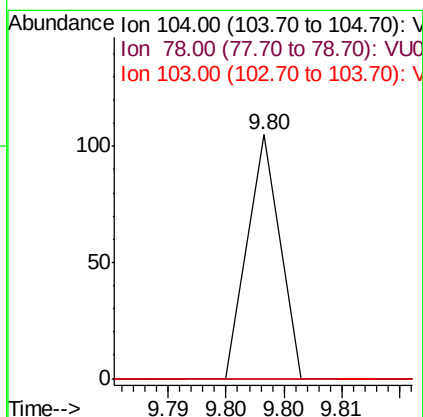
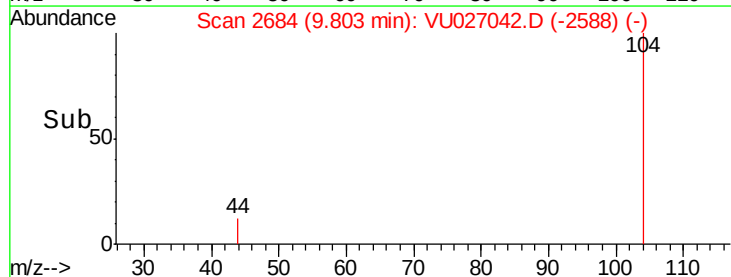
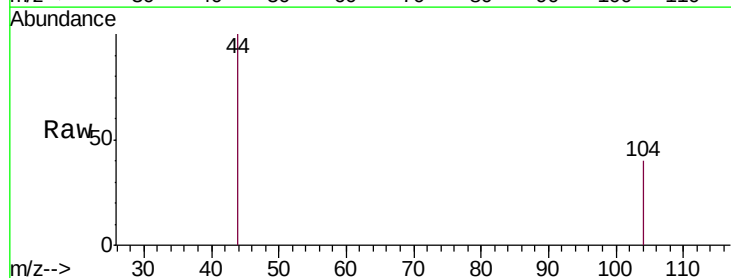
Instrument :
MSVOA_U
ClientSampleId :
VU0923WBL01

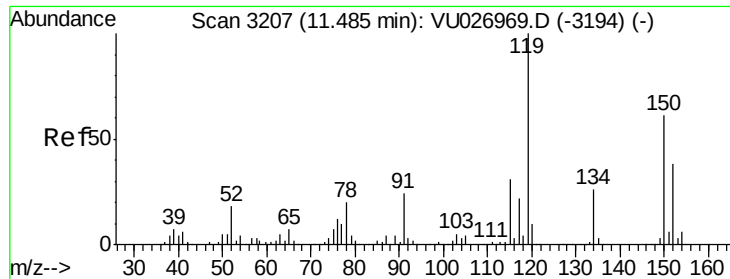
Tgt Ion:106 Resp: 87
Ion Ratio Lower Upper
106 100
91 377.0 166.5 249.7#



#70
Styrene
Concen: 1.814 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027042.D
Acq: 23 Sep 2018 02:15

Tgt Ion:104 Resp: 20
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 0.0 44.1 66.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027042.D

Acq: 23 Sep 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBL01

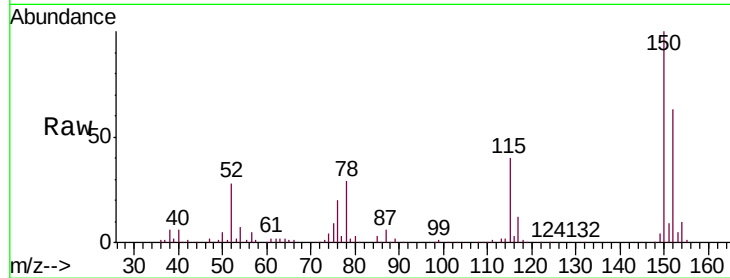
Tgt Ion:152 Resp: 71187

Ion Ratio Lower Upper

152 100

115 62.4 44.9 134.5

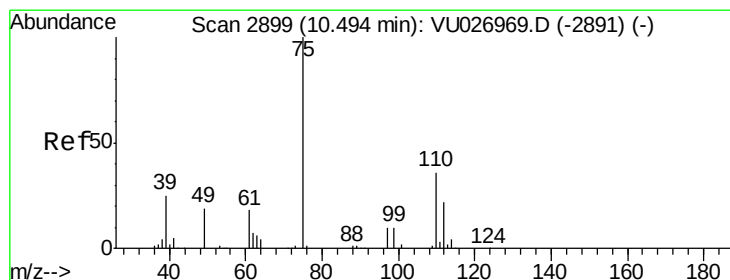
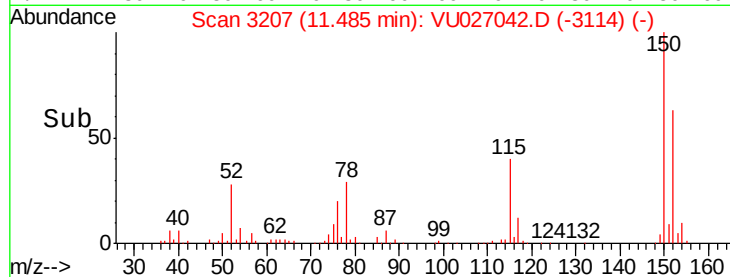
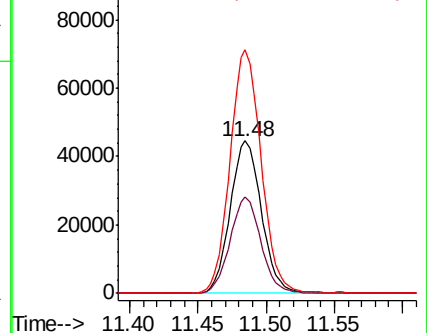
150 158.8 0.0 355.8



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: 20.927 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027042.D

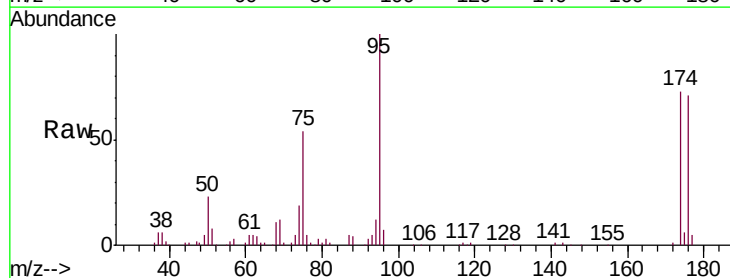
Acq: 23 Sep 2018 02:15

Tgt Ion: 75 Resp: 45257

Ion Ratio Lower Upper

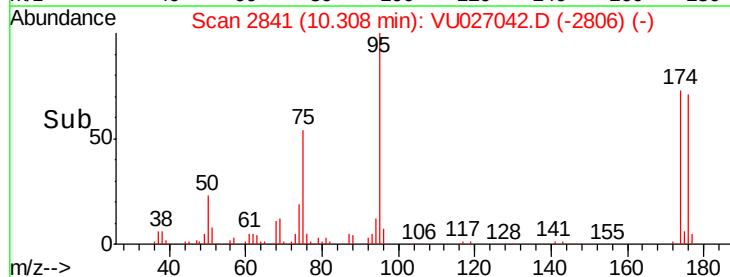
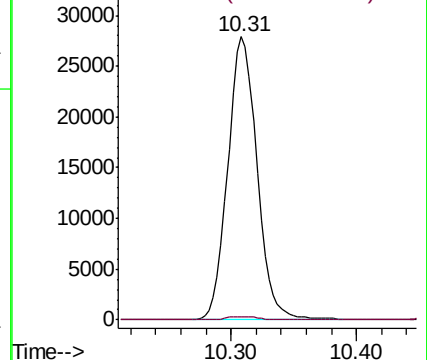
75 100

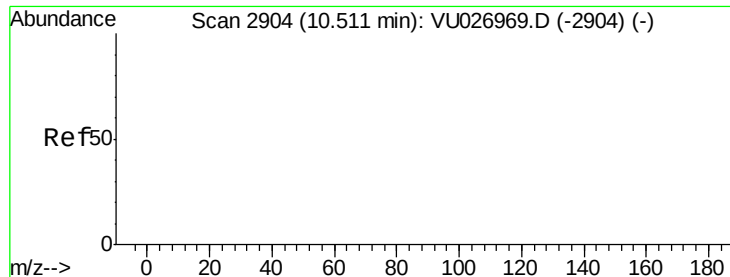
77 1.1 20.9 62.8#



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: 66.969 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

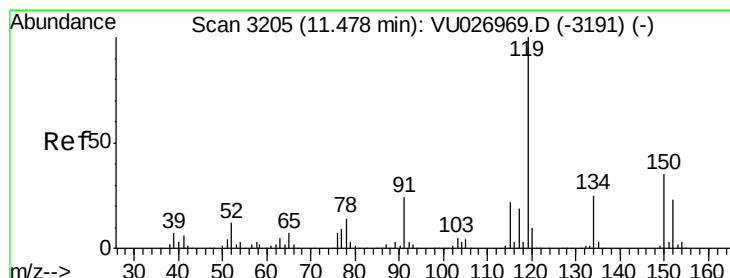
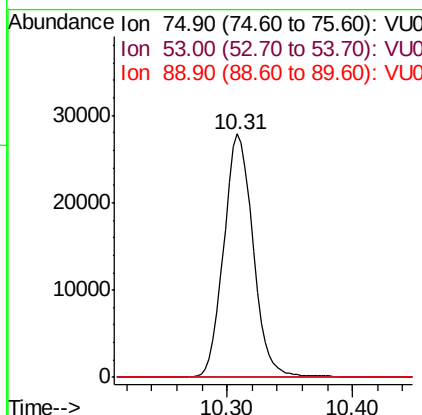
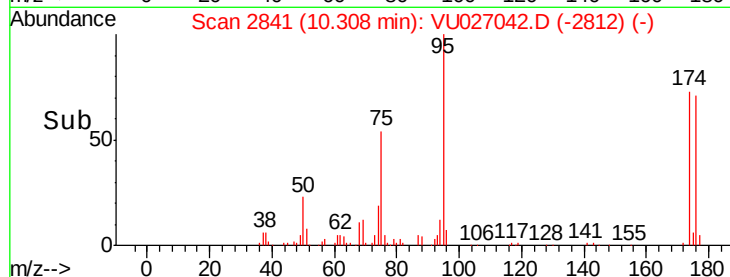
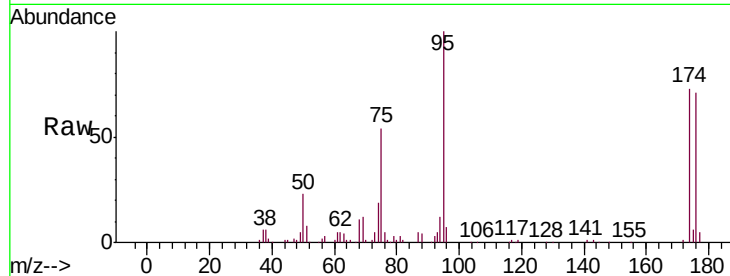
Lab File: VU027042.D

Acq: 23 Sep 2018 02:15

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBL01

Tgt Ion: 75 Resp: 45257

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#86

p-Isopropyltoluene

Concen: 0.966 ug/l

RT: 11.48 min Scan# 3205

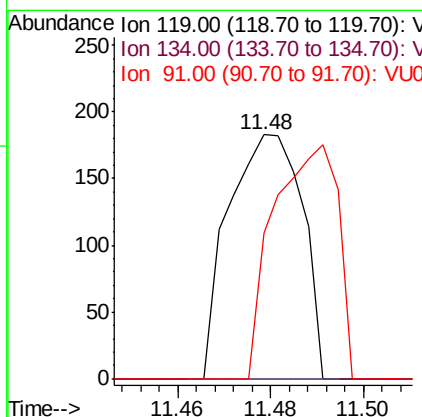
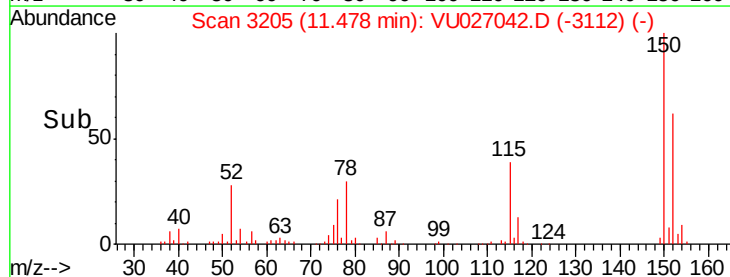
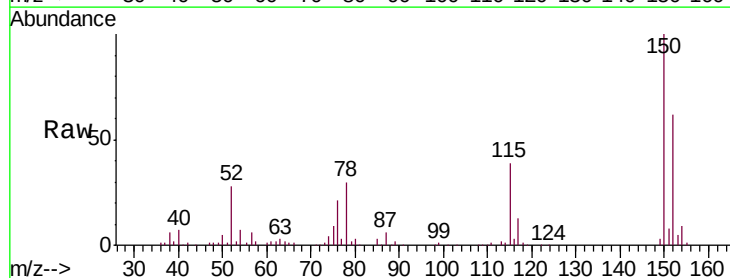
Delta R.T. 0.00 min

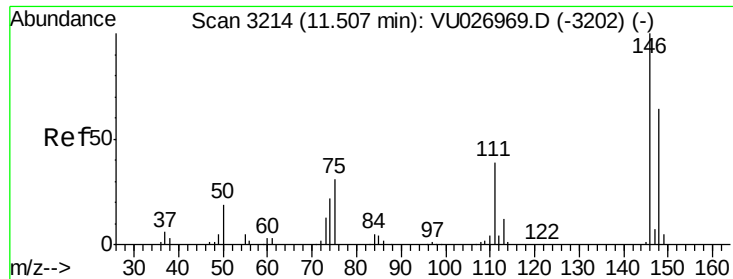
Lab File: VU027042.D

Acq: 23 Sep 2018 02:15

Tgt Ion: 119 Resp: 201

Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	84.6	12.3	36.8#

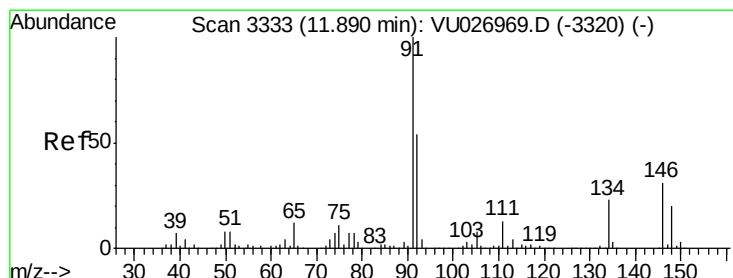
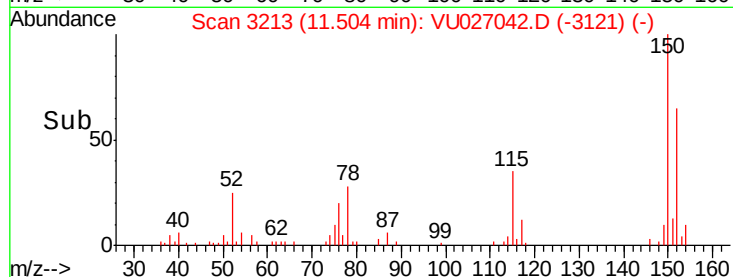
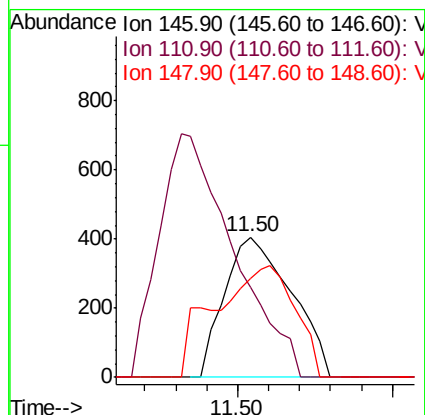
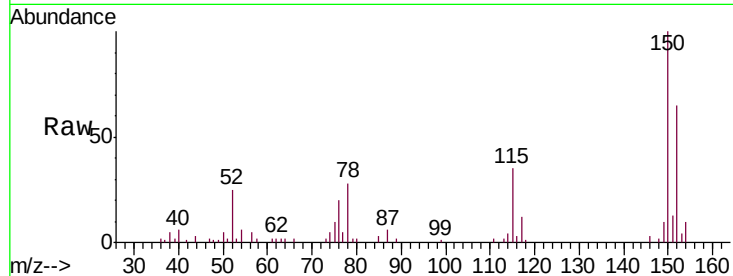




#88
 1,4-Dichlorobenzene
 Concen: 0.226 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

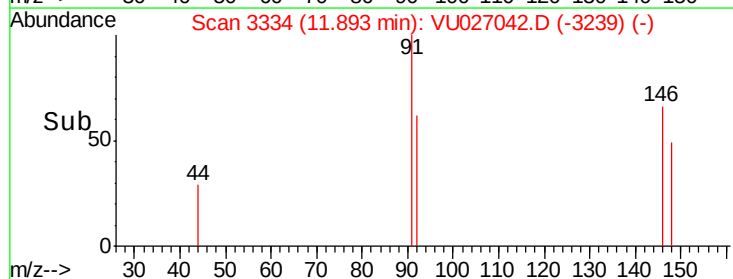
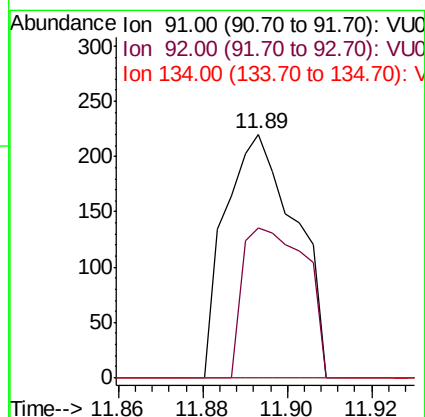
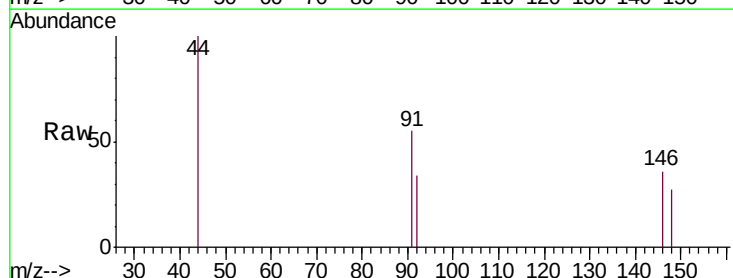
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBL01

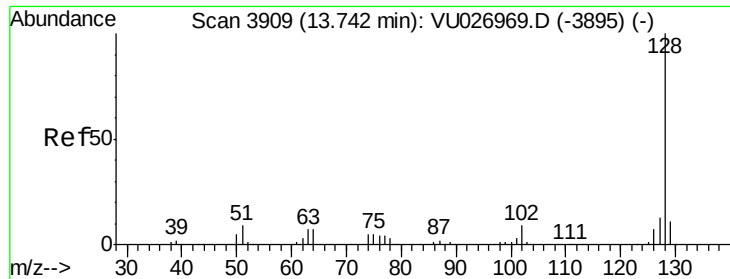
Tgt Ion: 146 Resp: 607
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.9#
 148 70.0 31.9 95.9



#89
 n-Butylbenzene
 Concen: 2.442 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU027042.D
 Acq: 23 Sep 2018 02:15

Tgt Ion: 91 Resp: 254
 Ion Ratio Lower Upper
 91 100
 92 55.5 27.1 81.2
 134 0.0 11.7 35.0#





#95

Naphthalene

Concen: 1.732 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027042.D

Acq: 23 Sep 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBL01

Tgt Ion:128 Resp: 265

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

