

Data File : VU027001.D
Acq On : 22 Sep 2018 06:55
Operator : MD/SY
Sample : J4934-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13311-20180912

Quant Time: Sep 24 02:45:28 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	73002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146538	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71802	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89936	61.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.42%	
35) Dibromofluoromethane	4.88	113	66931	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	7.57	98	233723	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	10.31	95	80690	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

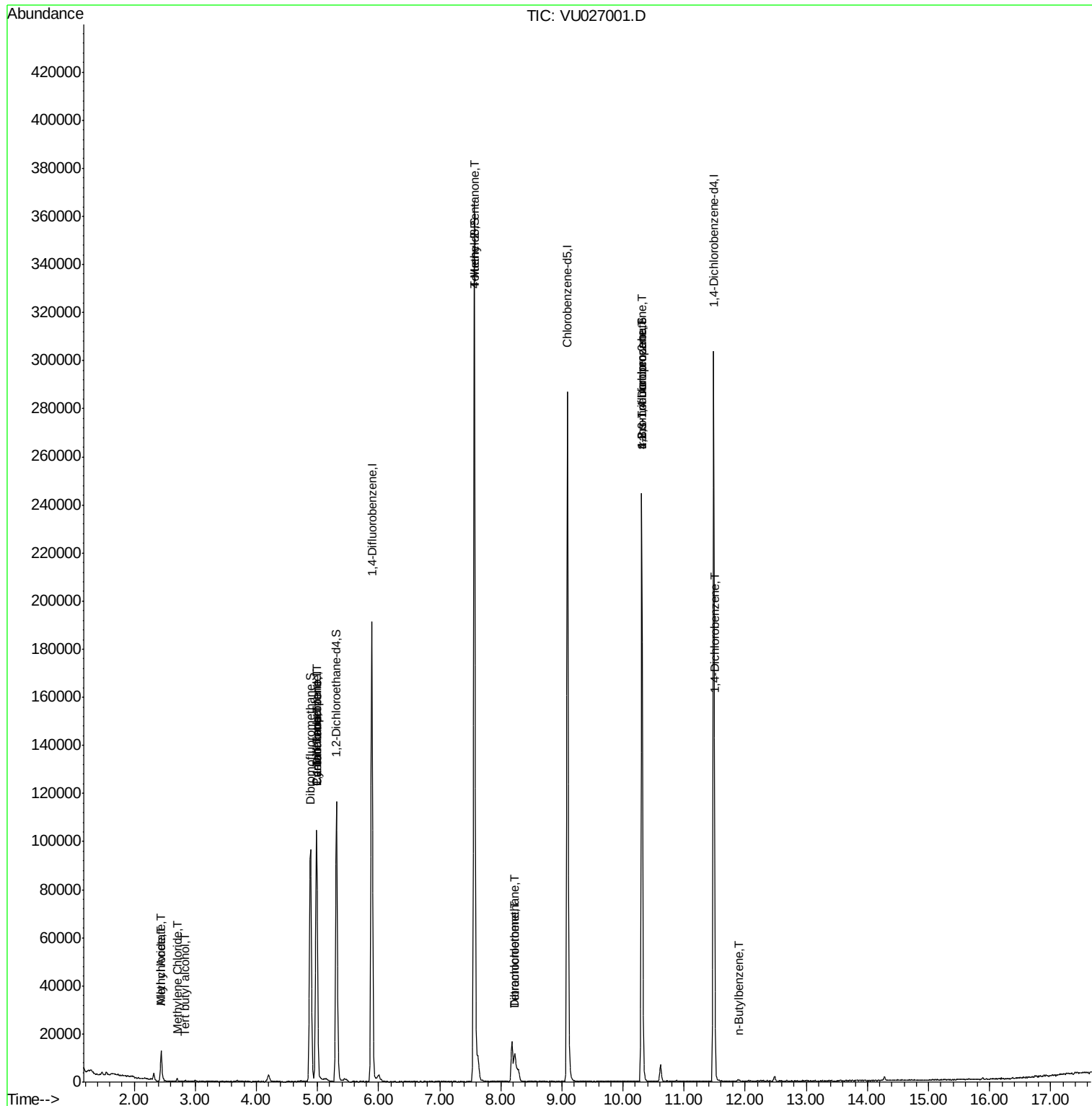
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.84	59	243	0.722	ug/l #	72
14) Allyl chloride	2.44	41	1345	0.658	ug/l #	70
16) Acetone	2.32	43	2865	Below Cal	#	87
18) Methyl Acetate	2.44	43	3516	1.681	ug/l #	55
20) Methylene Chloride	2.70	84	412	0.313	ug/l #	91
31) Cyclohexane	4.99	56	1865	0.280	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	7101	3.631	ug/l #	50
38) Carbon Tetrachloride	4.99	117	7537	4.050	ug/l #	20
51) 4-Methyl-2-Pentanone	7.57	43	1138	0.438	ug/l #	1
60) Dibromochloromethane	8.23	129	1304	0.921	ug/l #	11
64) Tetrachloroethene	8.23	164	1218	1.048	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	44358	20.335	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44358	65.077	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	688	0.254	ug/l #	45
89) n-Butylbenzene	11.90	91	21	2.396	ug/l #	33

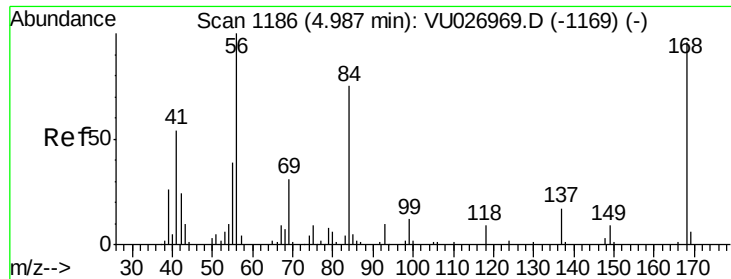
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027001.D

Acq: 22 Sep 2018 06:55

Instrument :

MSVOA_U

ClientSampleId :

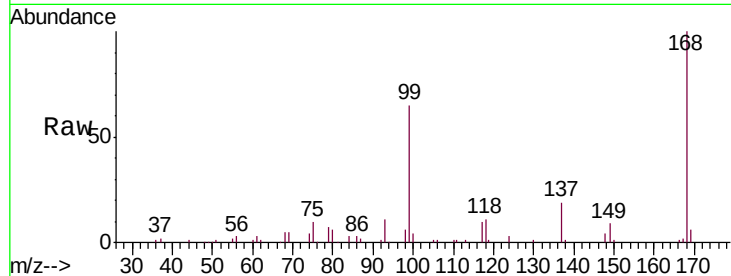
SA-PZ13311-20180912

Tgt Ion:168 Resp: 73002

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) (-)

4.99

30000

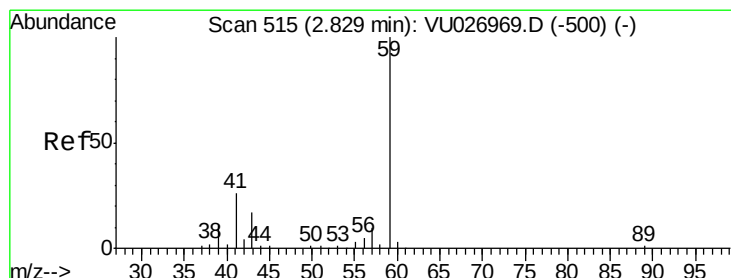
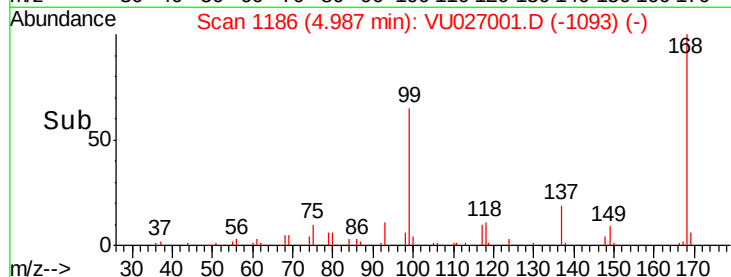
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 0.722 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027001.D

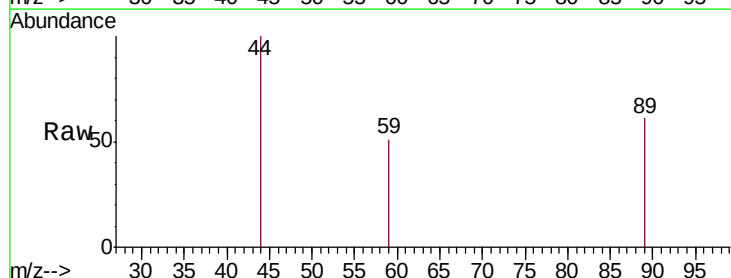
Acq: 22 Sep 2018 06:55

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

150

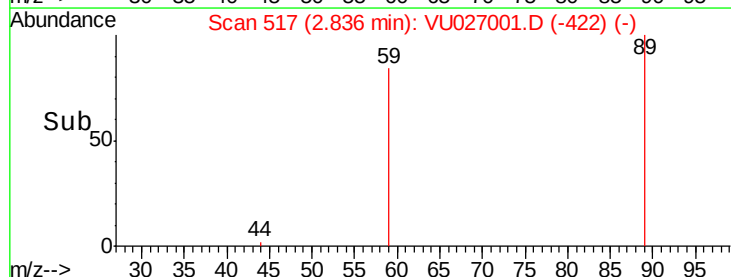
100

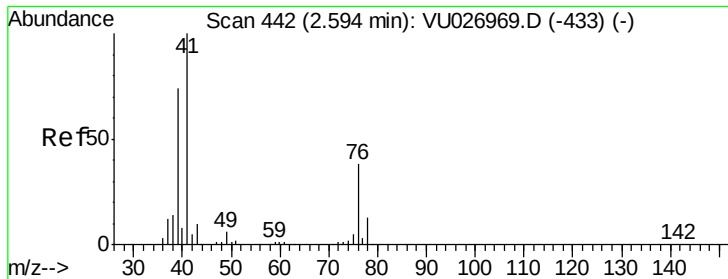
50

0

2.80 2.82 2.84 2.86

Time-->

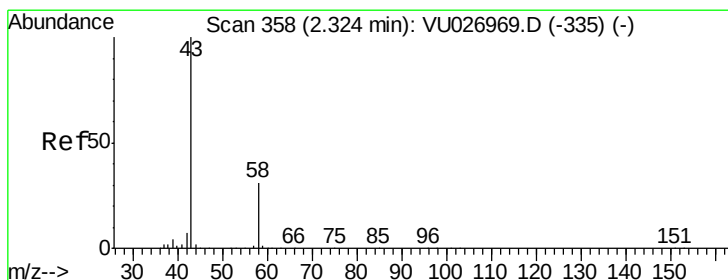
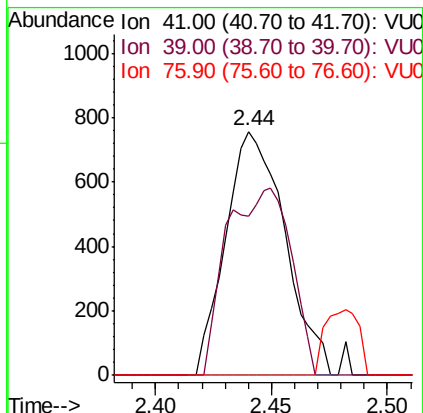
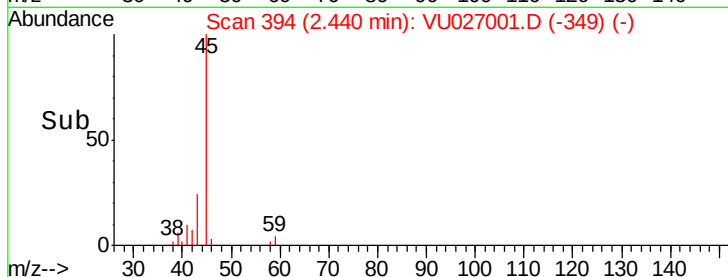
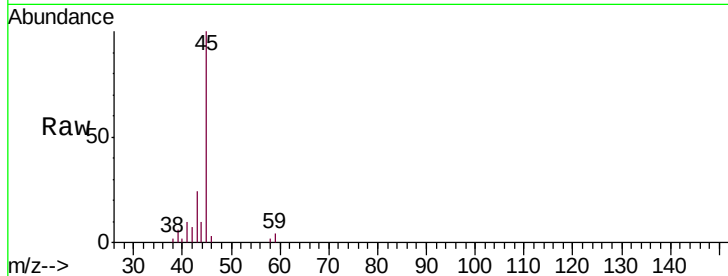




#14
 Allyl chloride
 Concen: 0.658 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

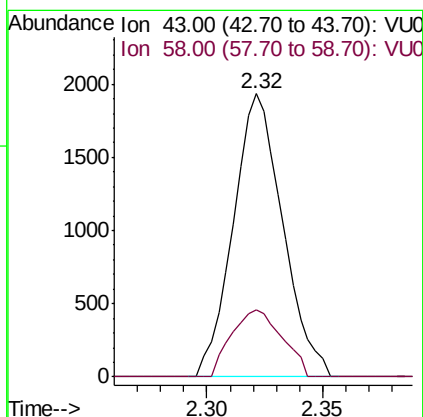
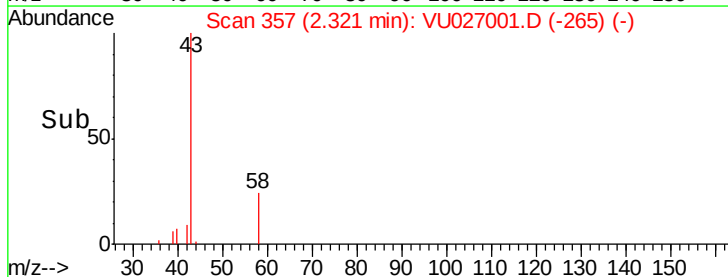
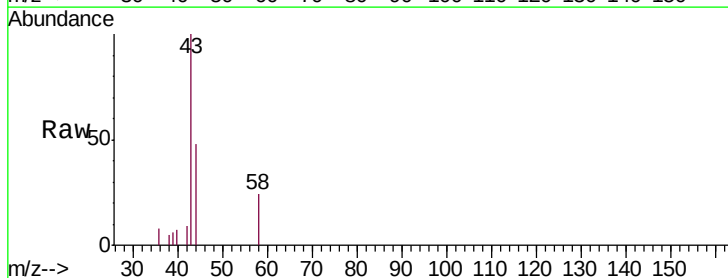
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13311-20180912

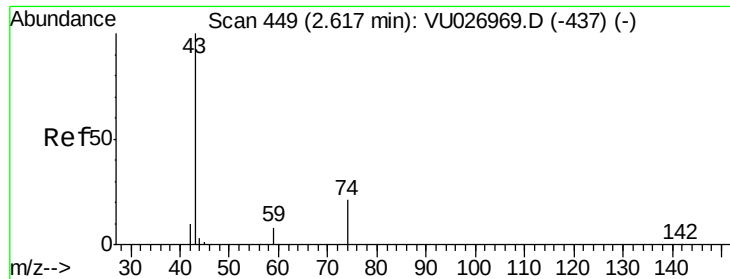
Tgt Ion: 41 Resp: 1345
 Ion Ratio Lower Upper
 41 100
 39 83.6 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

Tgt Ion: 43 Resp: 2865
 Ion Ratio Lower Upper
 43 100
 58 23.8 24.6 36.8#

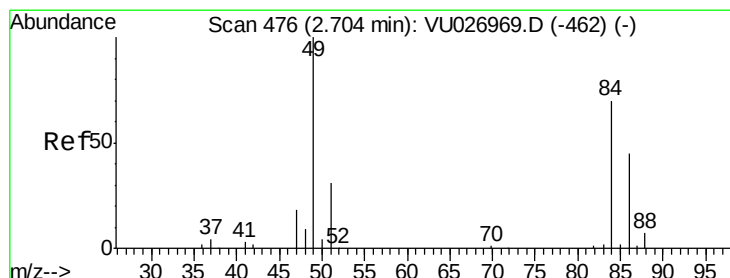
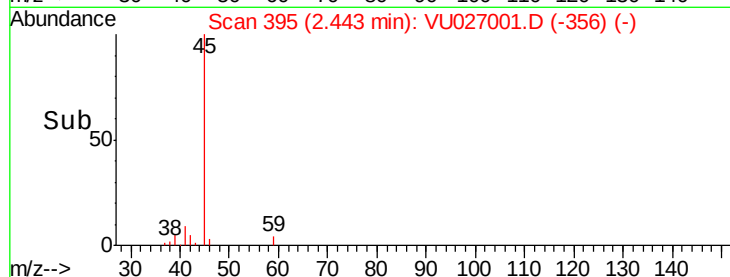
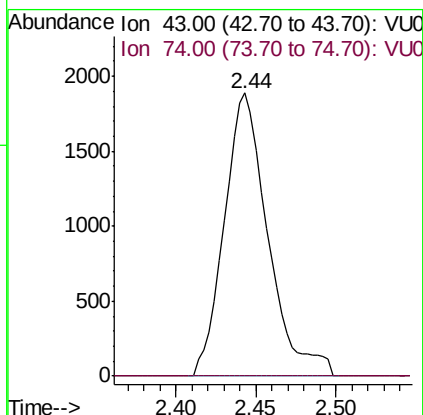
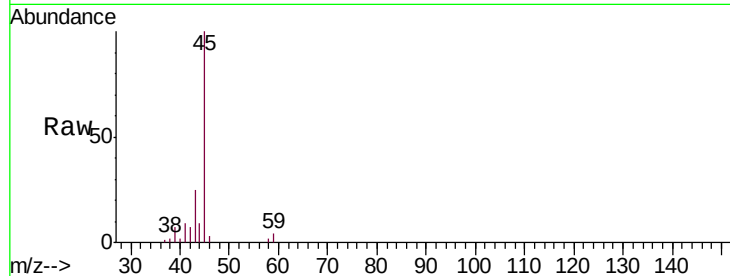




#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

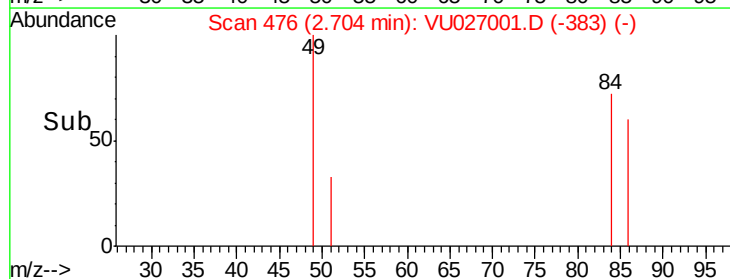
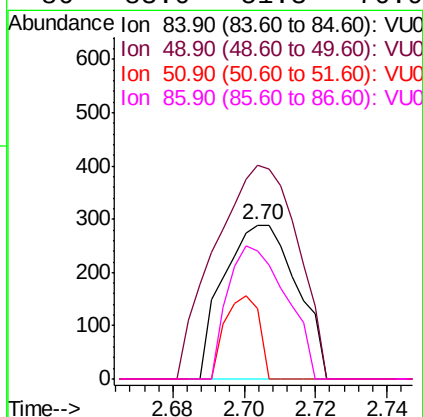
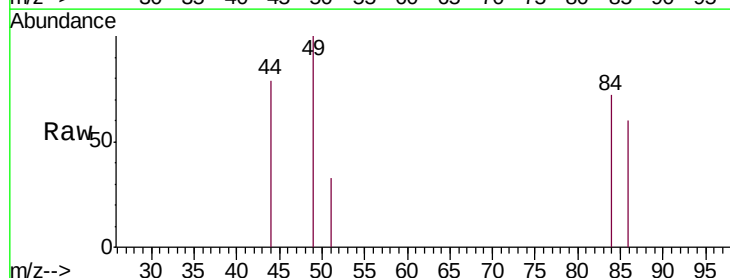
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I1-20180912

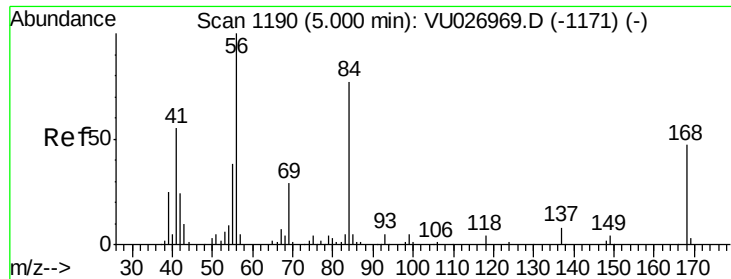
Tgt Ion: 43 Resp: 3516
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Tgt Ion: 84 Resp: 412
Ion Ratio Lower Upper
84 100
49 138.8 114.9 172.3
51 45.7 35.8 53.8
86 83.0 51.3 76.9#

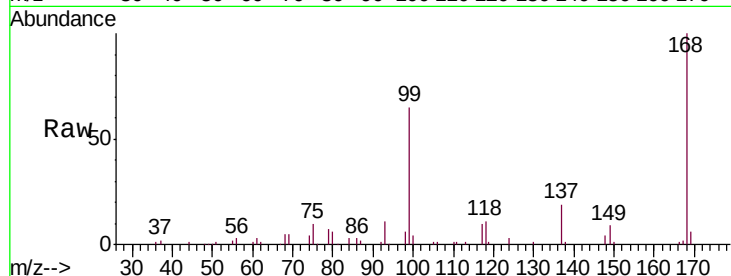




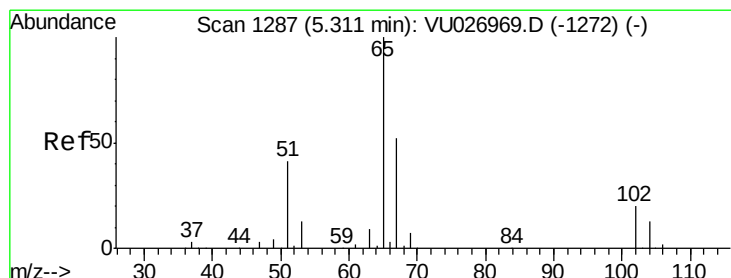
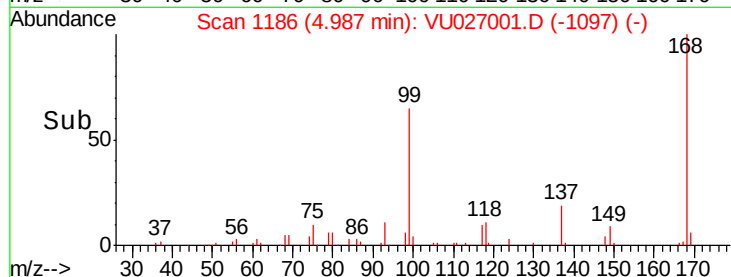
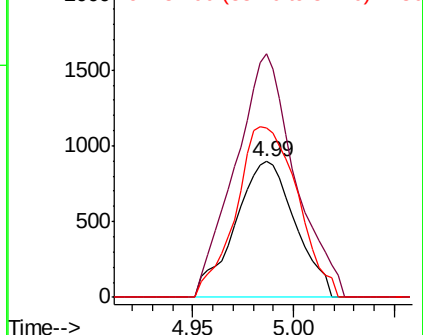
#31
Cyclohexane
Concen: 0.280 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13311-20180912

Tgt Ion: 56 Resp: 1865
Ion Ratio Lower Upper
56 100
69 179.4 23.0 34.4#
84 124.6 61.4 92.2#

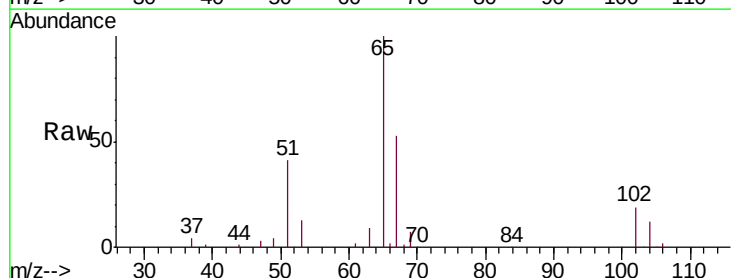


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

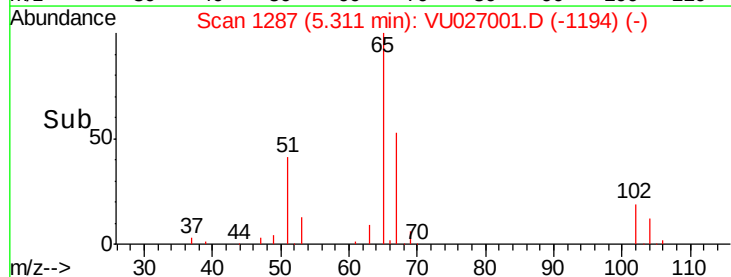
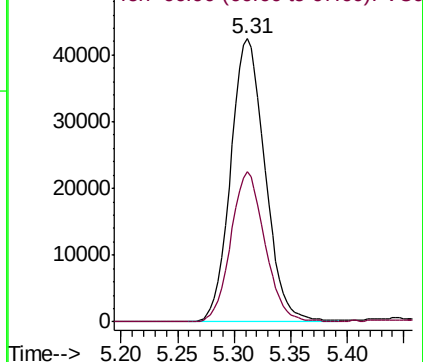


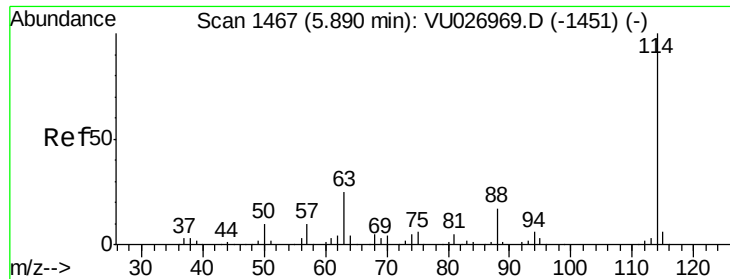
#33
1,2-Dichloroethane-d4
Concen: 61.211 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Tgt Ion: 65 Resp: 89936
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6



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

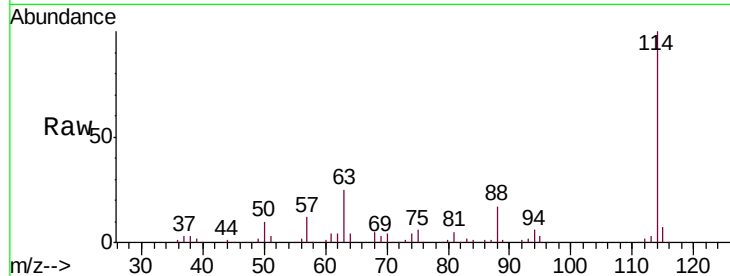




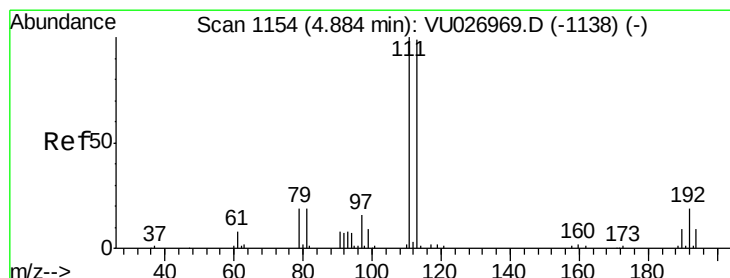
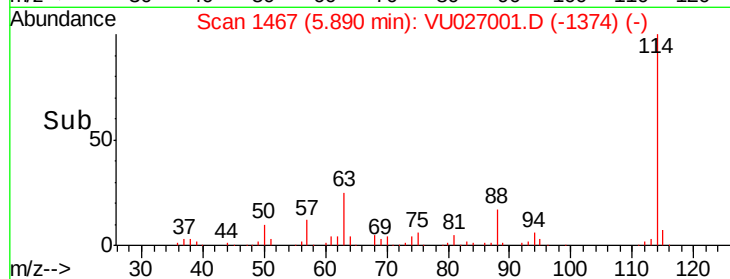
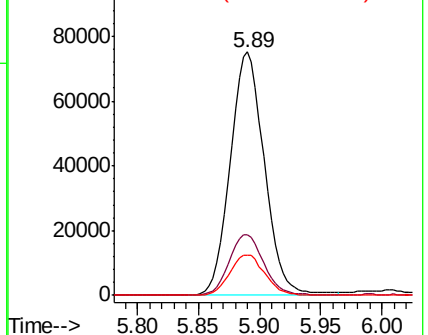
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13311-20180912

Tgt Ion:114 Resp: 146538
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.7 0.0 33.8

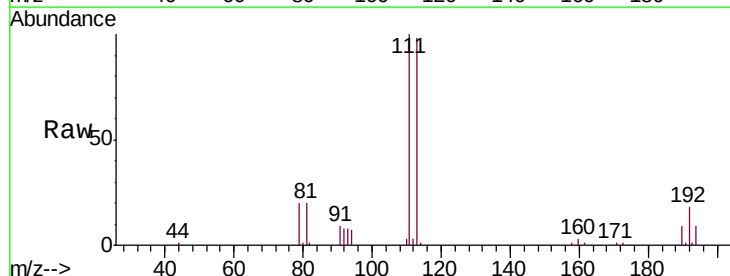


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

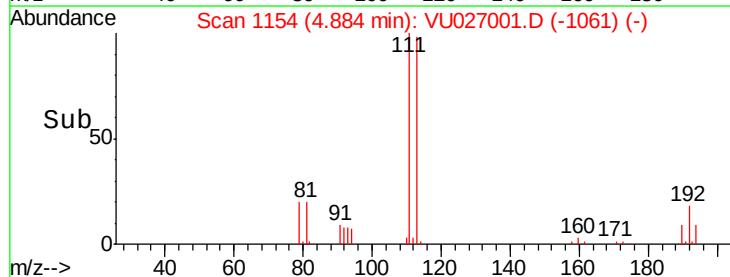
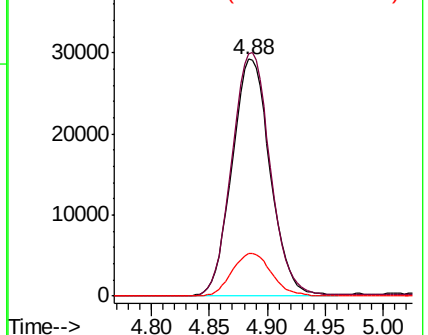


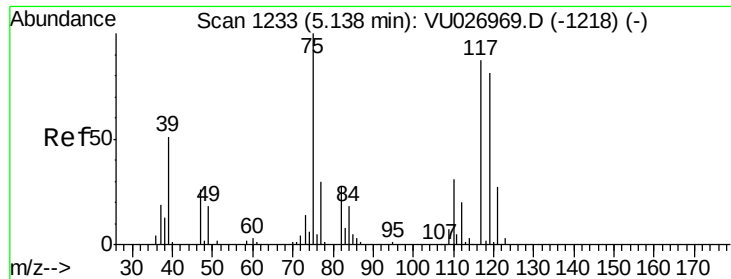
#35
 Dibromofluoromethane
 Concen: 52.694 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

Tgt Ion:113 Resp: 66931
 Ion Ratio Lower Upper
 113 100
 111 103.5 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

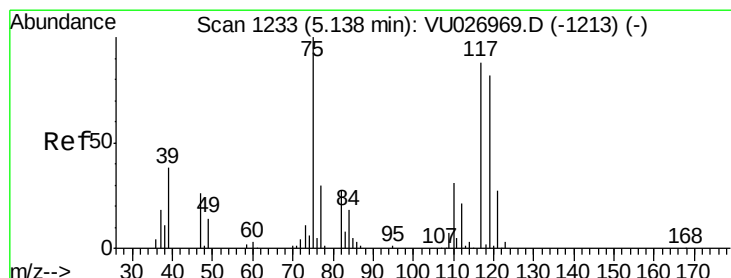
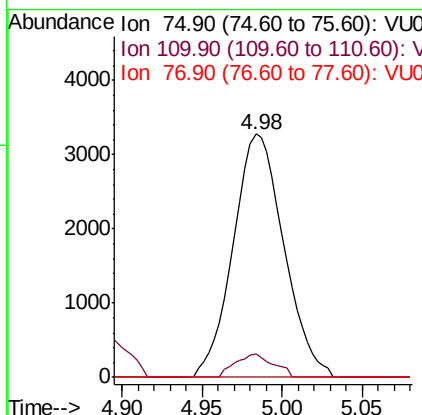
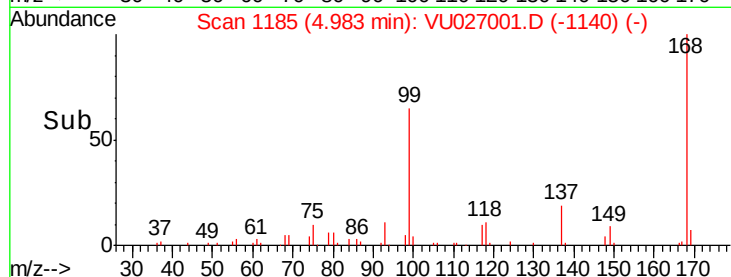
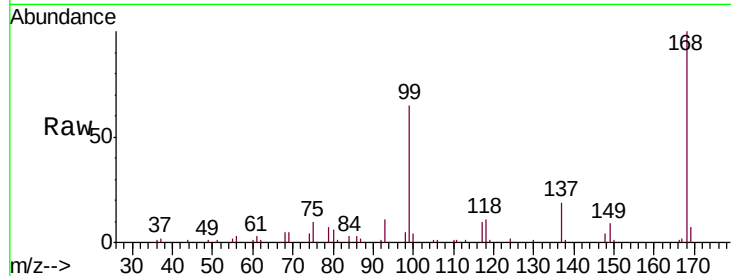




#36
 1,1-Dichloropropene
 Concen: 3.631 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

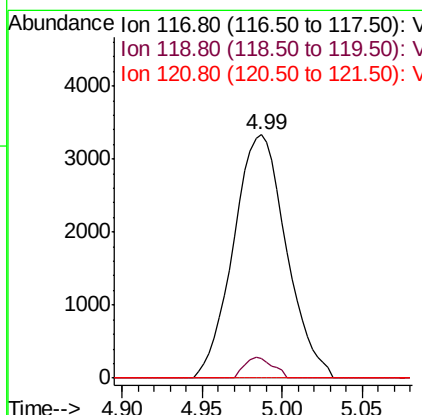
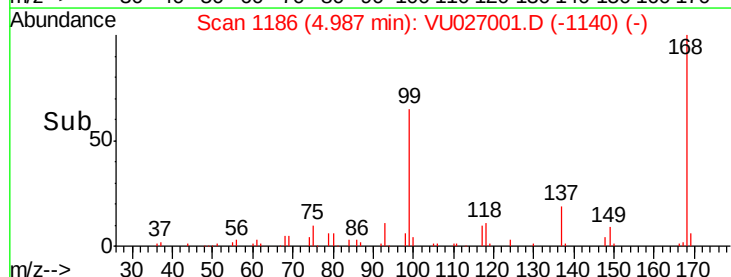
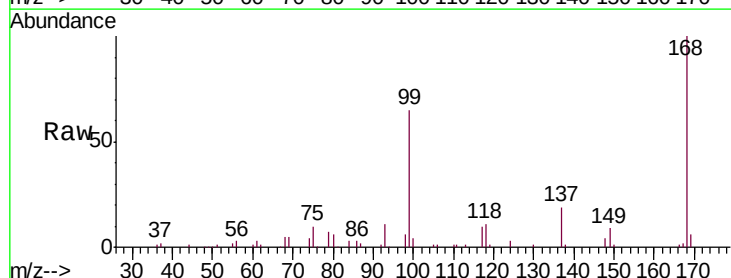
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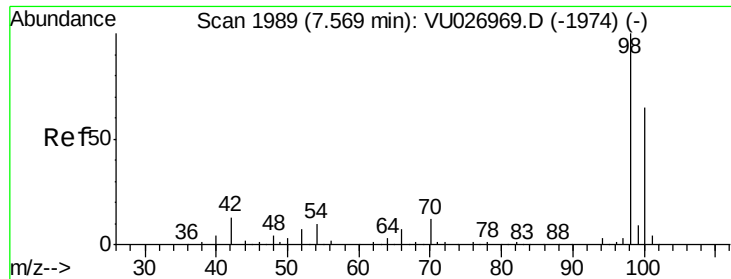
Tgt Ion: 75 Resp: 7101
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.050 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

Tgt Ion: 117 Resp: 7537
 Ion Ratio Lower Upper
 117 100
 119 8.0 74.4 111.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 48.282 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU027001.D

Acq: 22 Sep 2018 06:55

Instrument :

MSVOA_U

ClientSampleId :

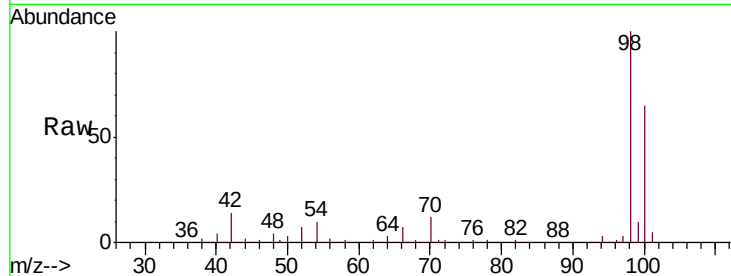
SA-PZ133I1-20180912

Tgt Ion: 98 Resp: 233723

Ion Ratio Lower Upper

98 100

100 63.5 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

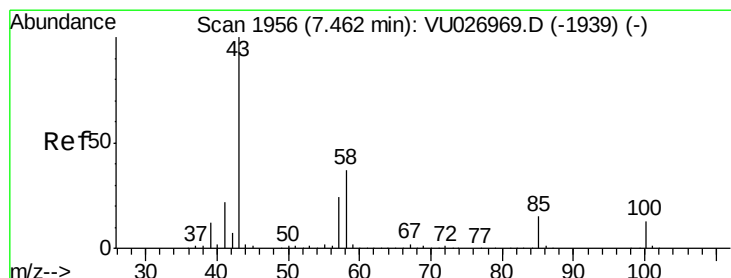
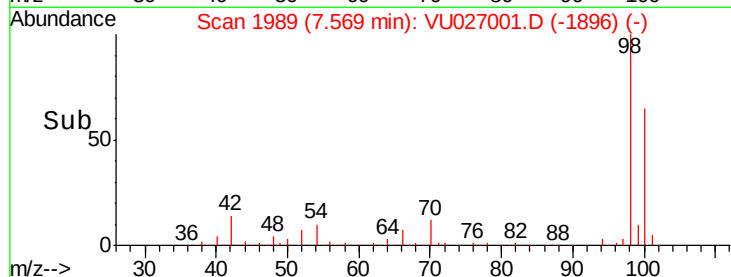
100000

50000

0

7.50 7.55 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027001.D

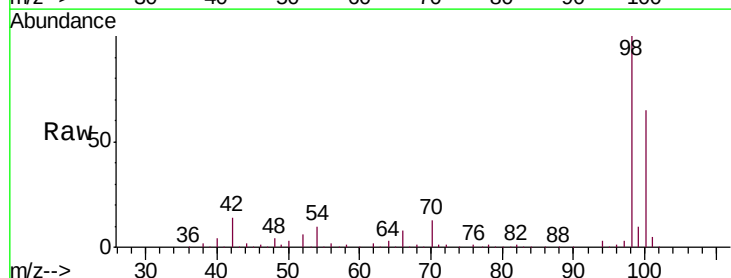
Acq: 22 Sep 2018 06:55

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

58 175.6 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

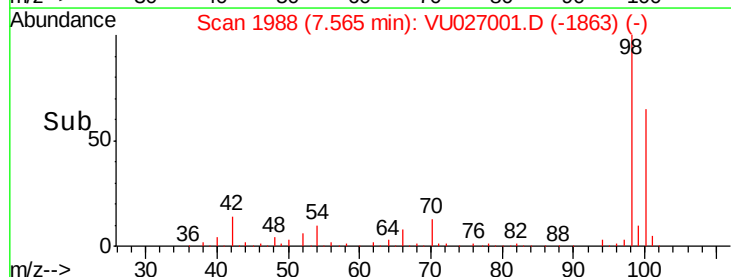
1000

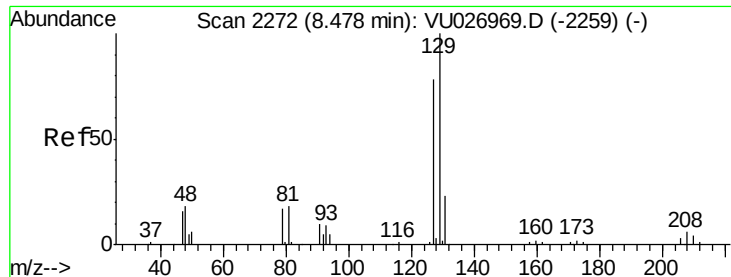
500

0

7.55 7.60

Time-->





#60

Dibromochloromethane

Concen: 0.921 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU027001.D

Acq: 22 Sep 2018 06:55

Instrument :

MSVOA_U

ClientSampleId :

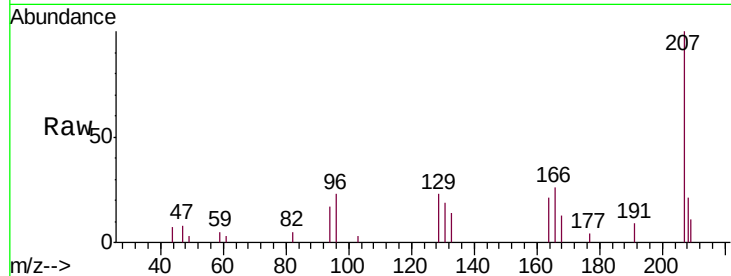
SA-PZ13311-20180912

Tgt Ion:129 Resp: 1304

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

800

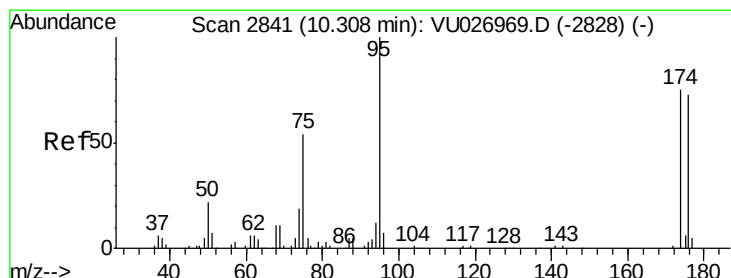
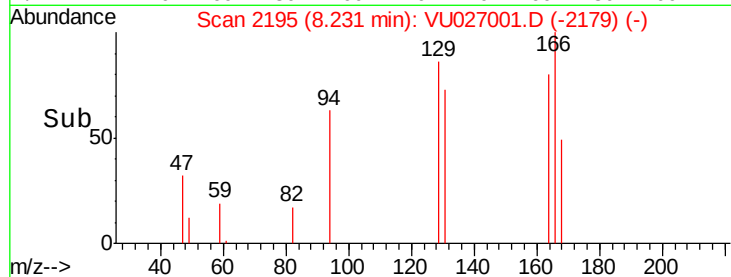
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.579 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027001.D

Acq: 22 Sep 2018 06:55

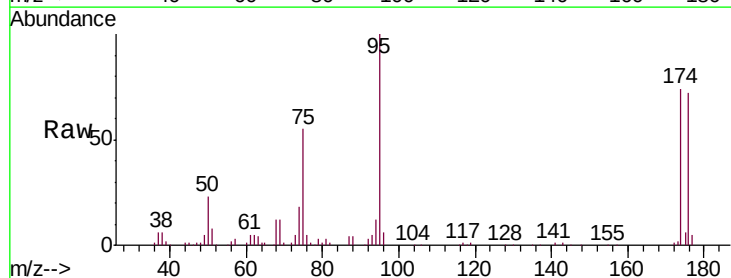
Tgt Ion: 95 Resp: 80690

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.2

176 72.1 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

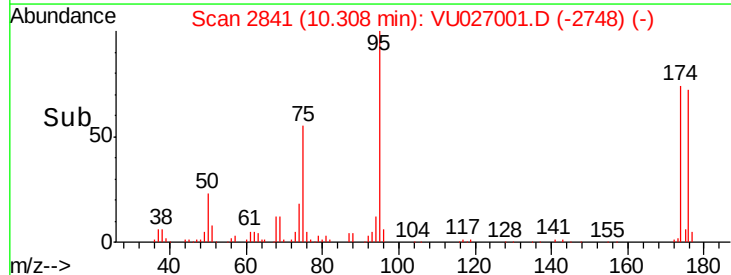
60000

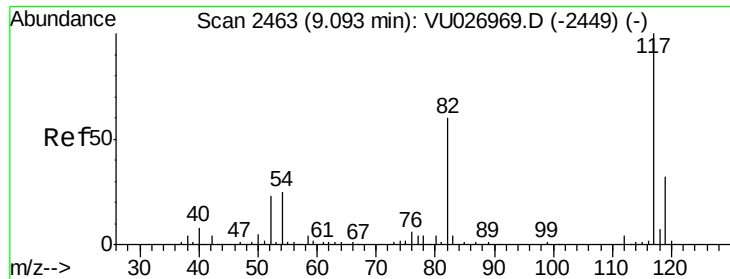
40000

20000

0

Time-->

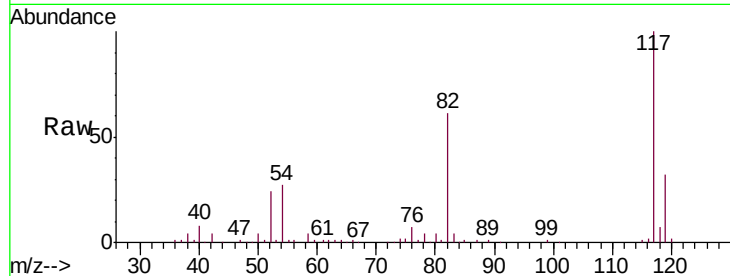




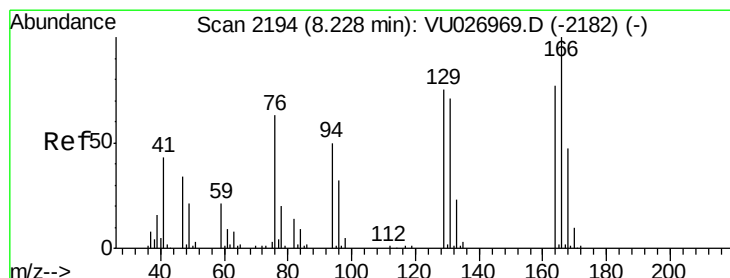
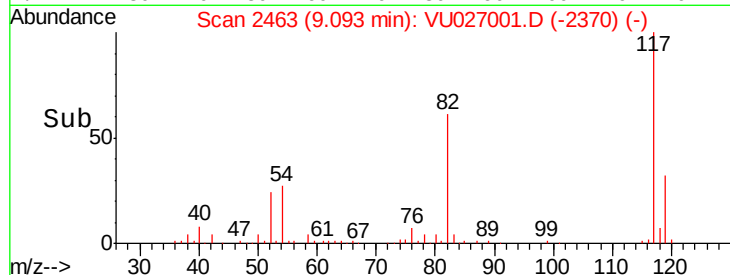
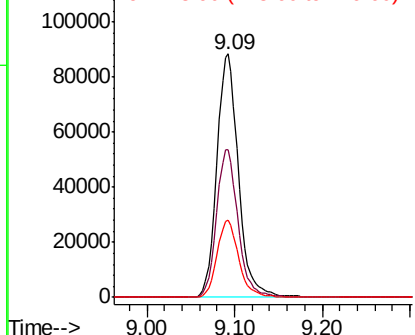
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I1-20180912

Tgt Ion:117 Resp: 150802
Ion Ratio Lower Upper
117 100
82 60.7 48.0 72.0
119 31.9 25.8 38.8

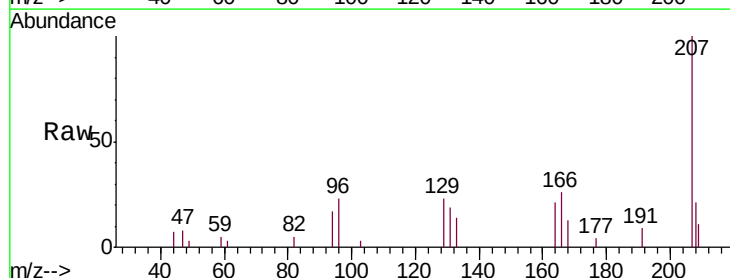


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

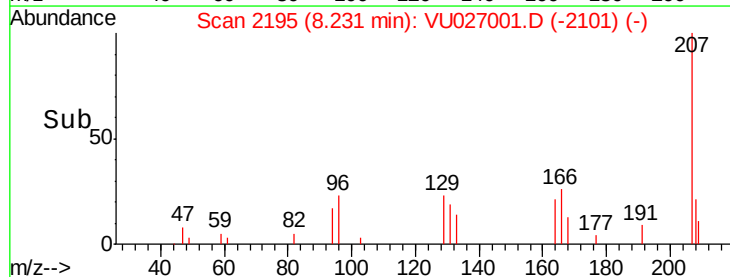
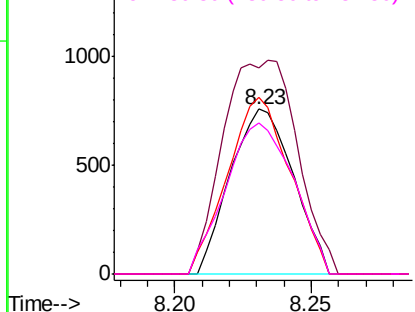


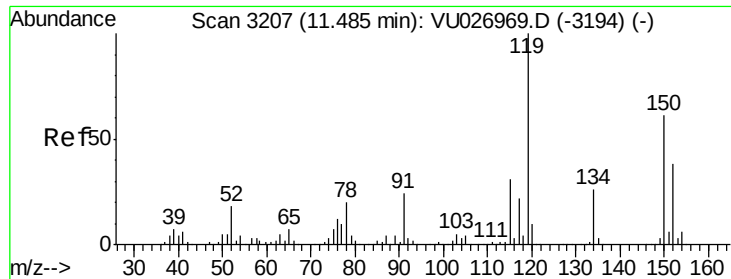
#64
Tetrachloroethene
Concen: 1.048 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Tgt Ion:164 Resp: 1218
Ion Ratio Lower Upper
164 100
166 125.3 104.4 156.6
129 107.5 78.7 118.1
131 92.1 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

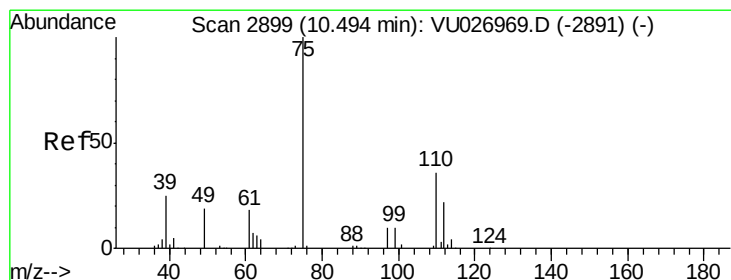
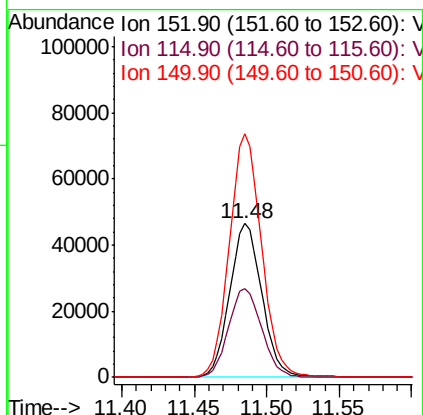
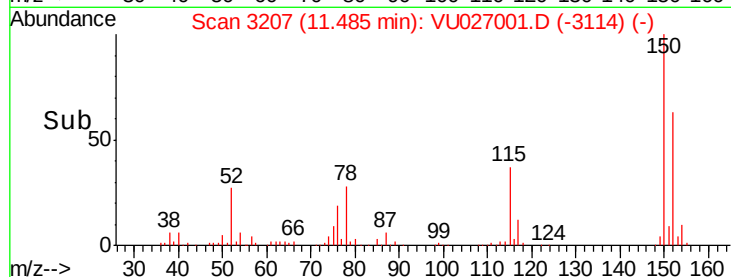
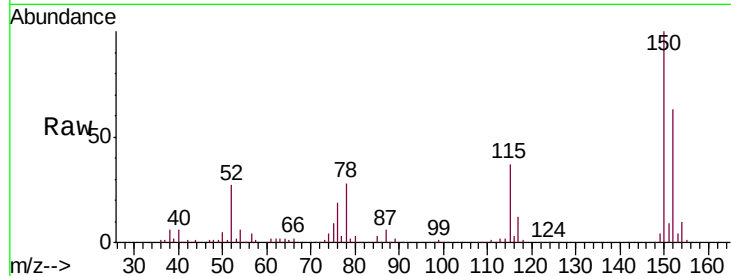




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

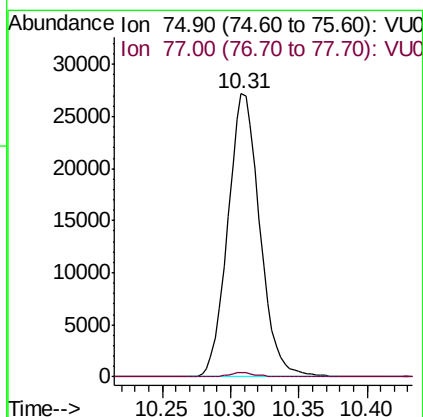
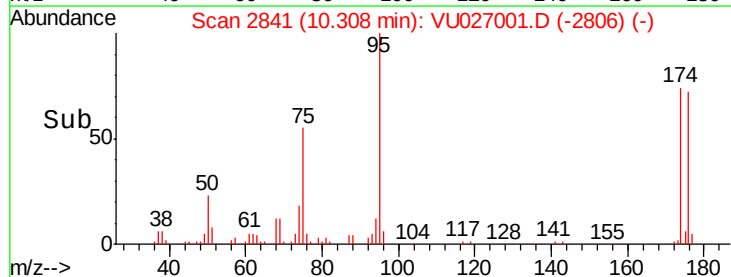
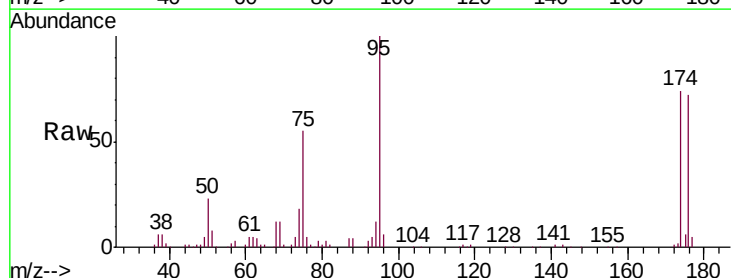
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13311-20180912

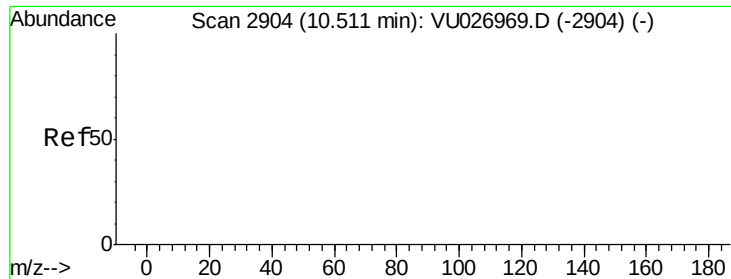
Tgt Ion: 152 Resp: 71802
 Ion Ratio Lower Upper
 152 100
 115 59.8 44.9 134.5
 150 158.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 20.335 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027001.D
 Acq: 22 Sep 2018 06:55

Tgt Ion: 75 Resp: 44358
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#

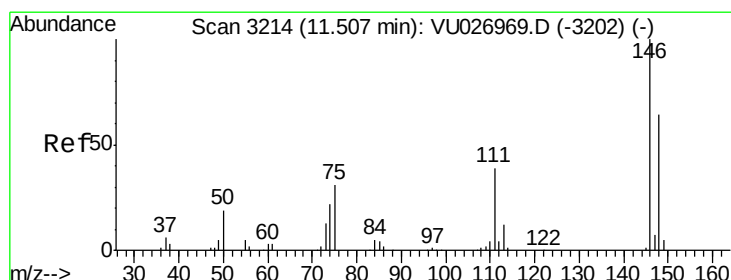
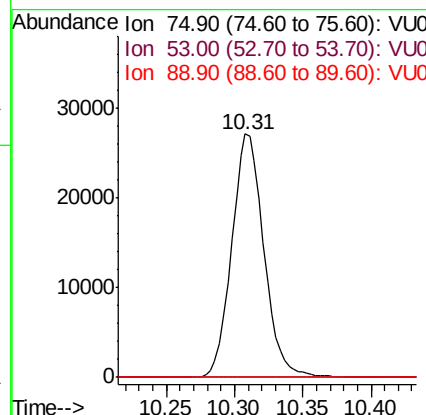
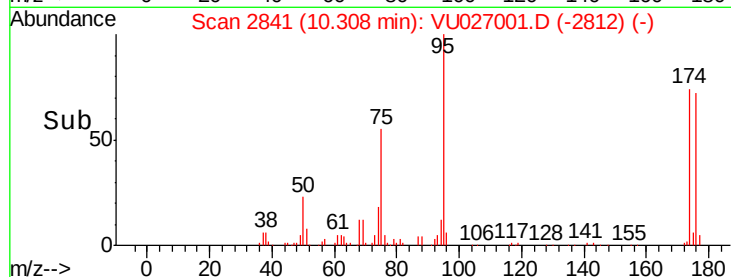
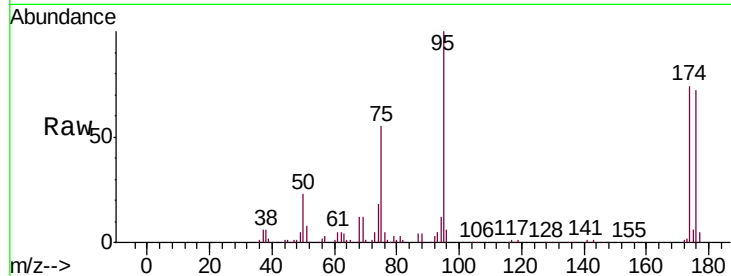




#81
trans-1,4-Dichloro-2-butene
Concen: 65.077 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

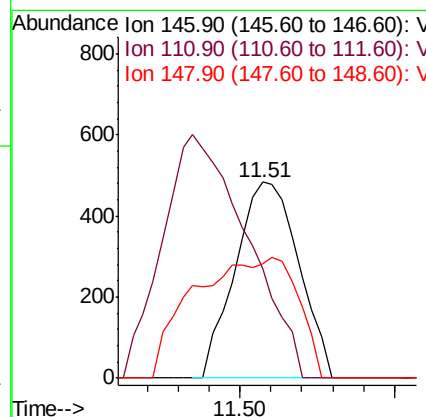
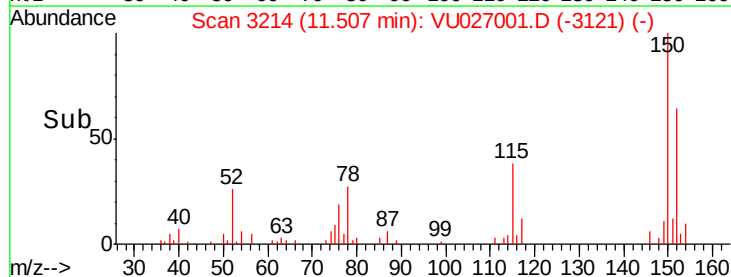
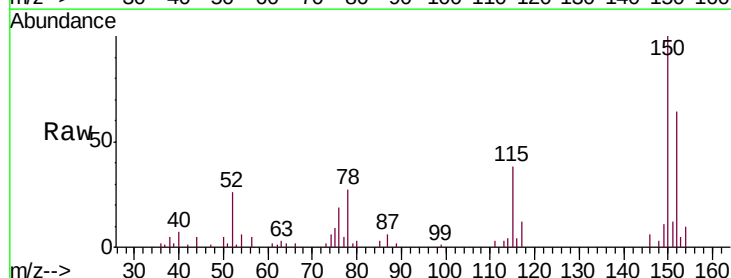
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13311-20180912

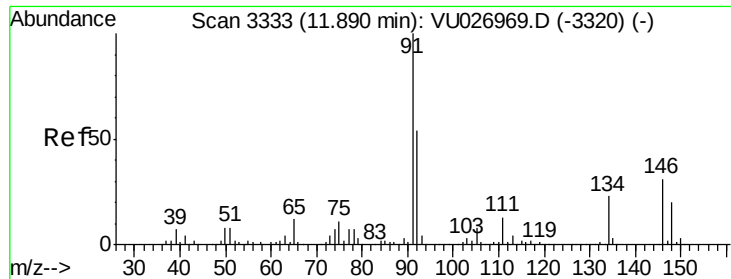
Tgt Ion: 75 Resp: 44358
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#88
1,4-Dichlorobenzene
Concen: 0.254 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. -0.00 min
Lab File: VU027001.D
Acq: 22 Sep 2018 06:55

Tgt Ion: 146 Resp: 688
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 101.5 31.9 95.9#





#89

n-Butylbenzene

Concen: 2.396 ug/l

RT: 11.90 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VU027001.D

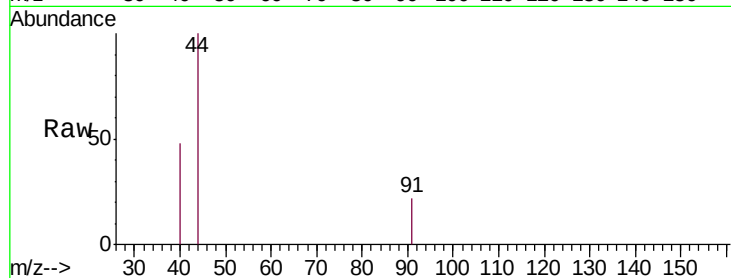
Acq: 22 Sep 2018 06:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ13311-20180912



Tgt Ion:	91	Resp:	21
Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.1	81.2#
134	0.0	11.7	35.0#

