

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026997.D
 Acq On : 22 Sep 2018 05:22
 Operator : MD/SY
 Sample : J4958-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

Quant Time: Sep 22 05:42:57 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	73903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146038	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	88286	59.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.72%	
35) Dibromofluoromethane	4.88	113	66146	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
50) Toluene-d8	7.57	98	227777	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	10.31	95	79628	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	

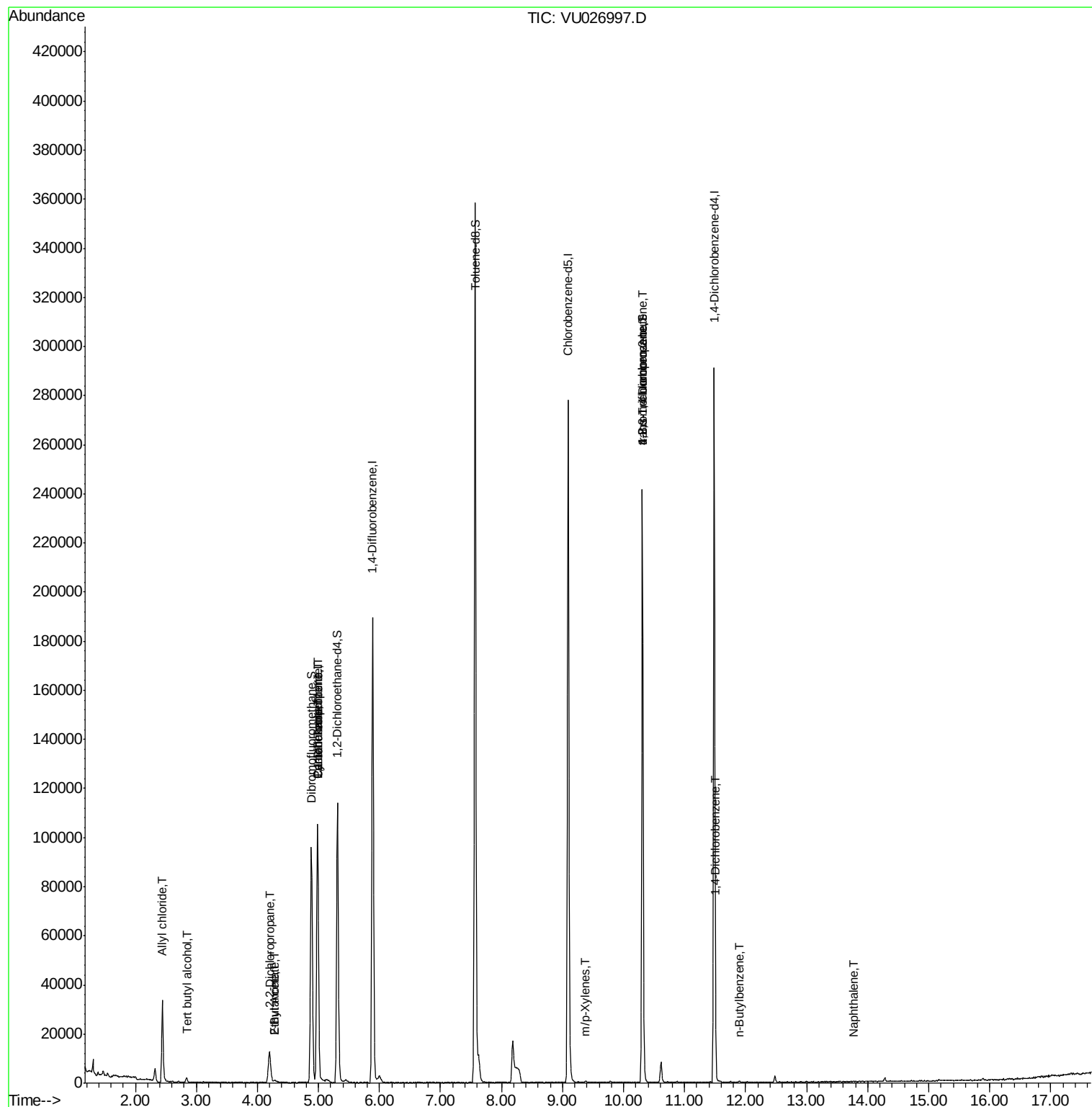
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1509	4.426	ug/l #	72
14) Allyl chloride	2.44	41	3321	1.604	ug/l #	75
16) Acetone	2.32	43	5121	Below Cal		94
25) 2-Butanone	4.28	43	1653	1.322	ug/l #	90
26) 2,2-Dichloropropane	4.20	77	938	0.493	ug/l #	55
31) Cyclohexane	4.98	56	1799	0.239	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6846	3.512	ug/l #	49
37) Ethyl Acetate	4.28	43	1653	0.626	ug/l #	70
38) Carbon Tetrachloride	4.99	117	7451	4.017	ug/l #	17
68) m/p-Xylenes	9.38	106	340	1.629	ug/l #	72
76) 1,2,3-Trichloropropane	10.31	75	43158	20.144	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43158	64.464	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	560	0.211	ug/l #	65
89) n-Butylbenzene	11.90	91	161	2.424	ug/l #	33
95) Naphthalene	13.76	128	233	1.728	ug/l #	69

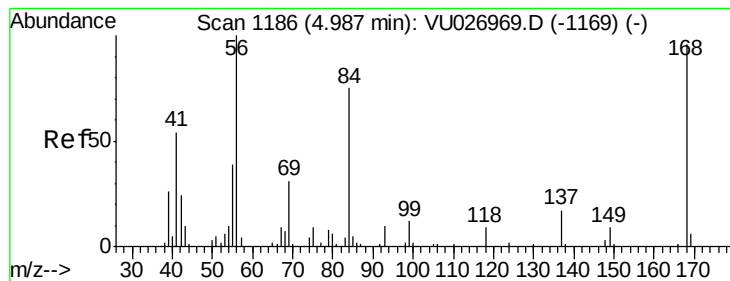
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026997.D

Acq: 22 Sep 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

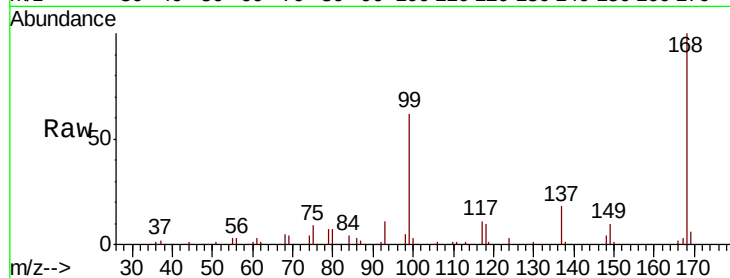
BP-TT-EB02-20180914

Tgt Ion:168 Resp: 73903

Ion Ratio Lower Upper

168 100

99 62.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026997.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026997.D (-1093) (-)

4.99

30000

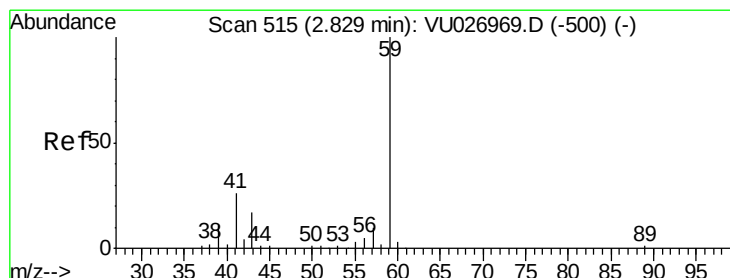
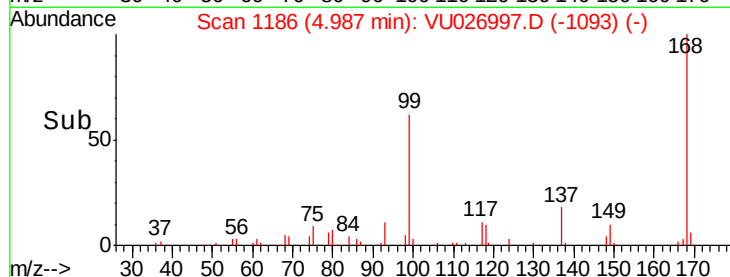
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 4.426 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU026997.D

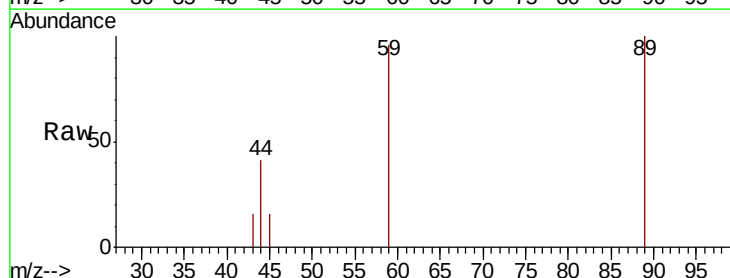
Acq: 22 Sep 2018 05:22

Tgt Ion: 59 Resp: 1509

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026997.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU026997.D (-422) (-)

2.84

800

600

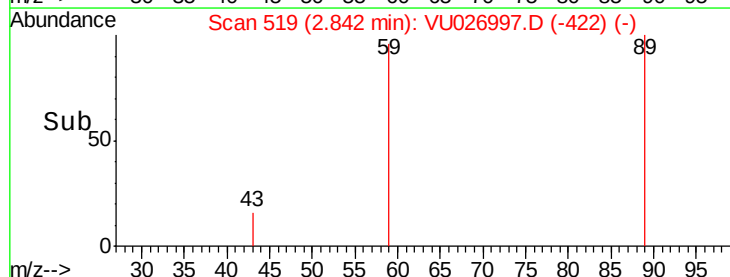
400

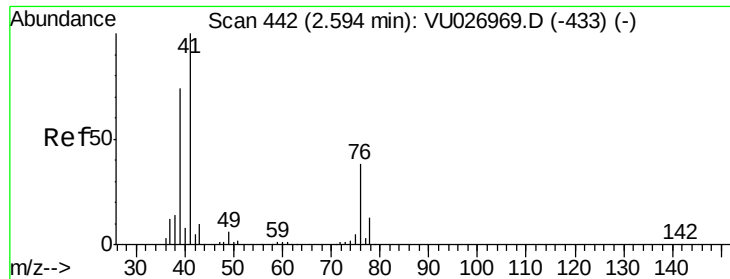
200

0

2.80 2.85

Time-->

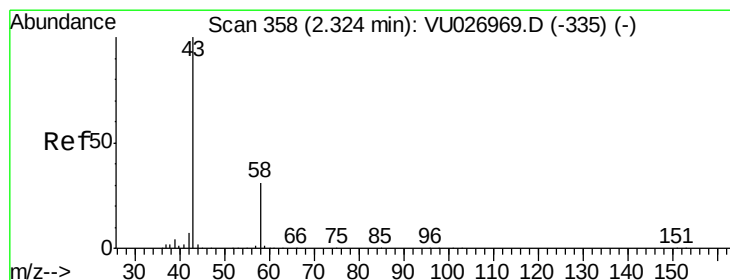
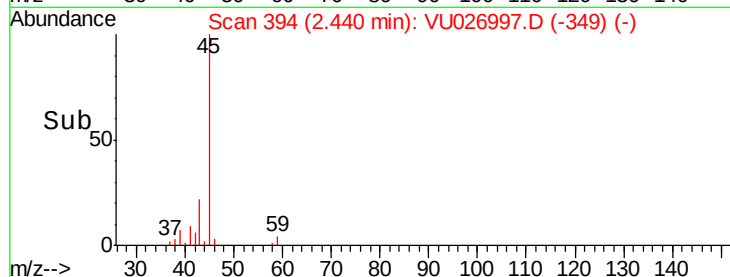
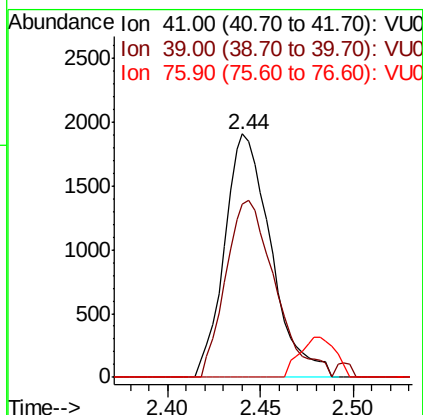
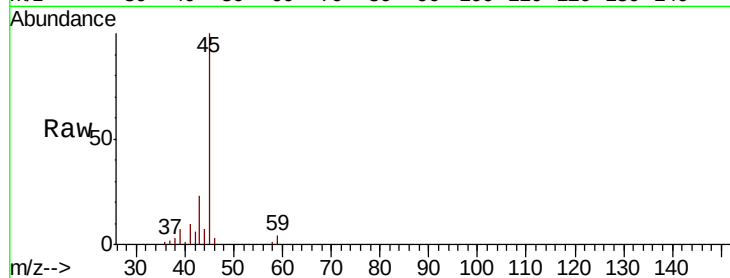




#14
 Allyl chloride
 Concen: 1.604 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

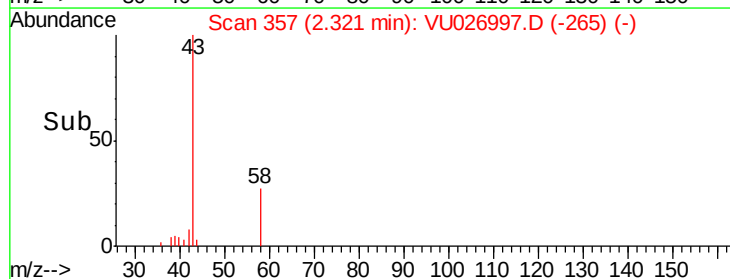
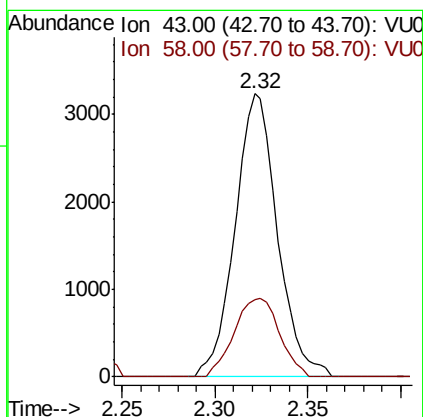
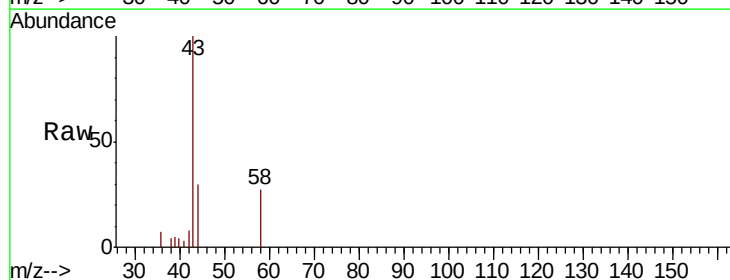
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

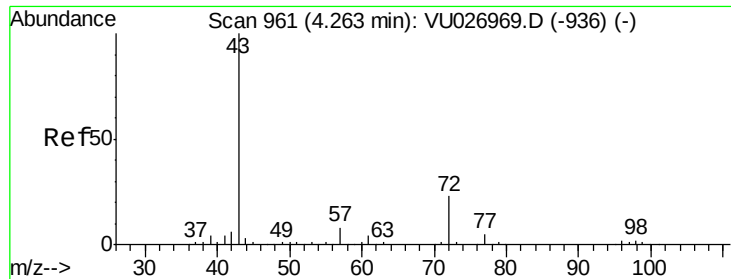
Tgt Ion: 41 Resp: 3321
 Ion Ratio Lower Upper
 41 100
 39 77.3 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Tgt Ion: 43 Resp: 5121
 Ion Ratio Lower Upper
 43 100
 58 27.5 24.6 36.8

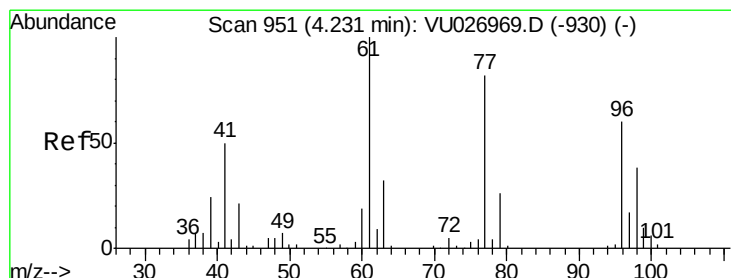
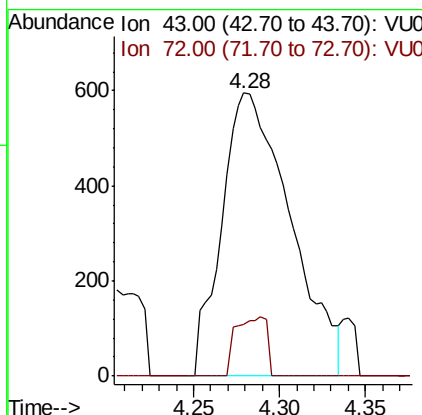
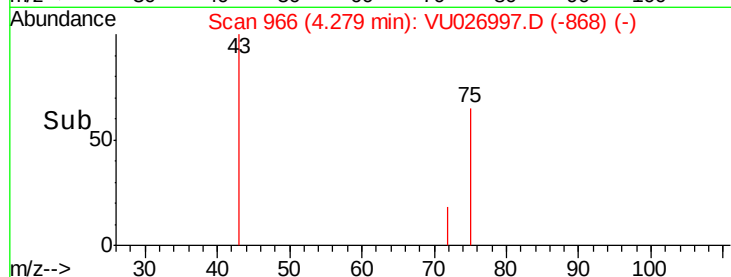
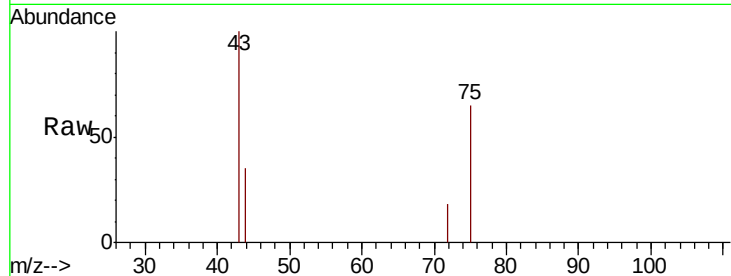




#25
 2-Butanone
 Concen: 1.322 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

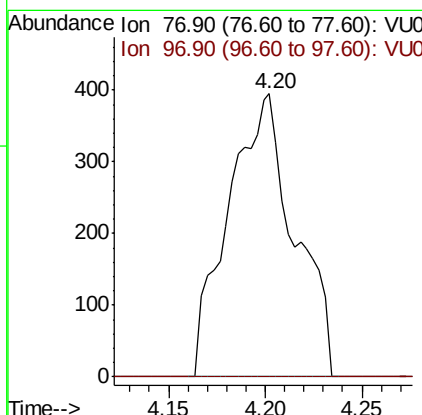
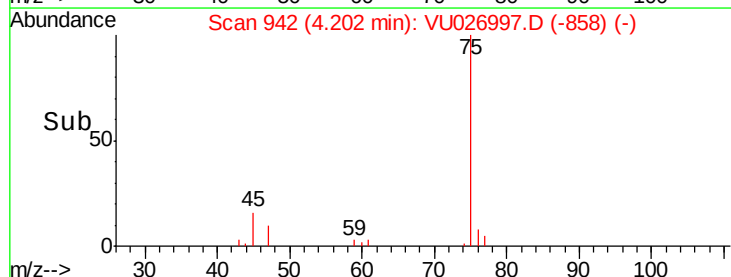
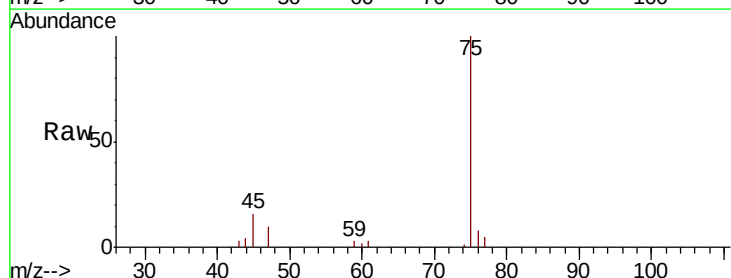
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

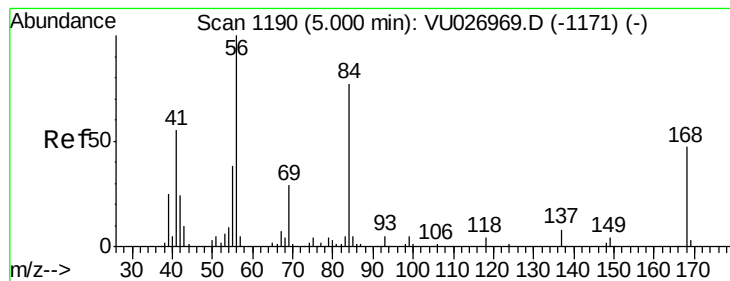
Tgt Ion: 43 Resp: 1653
 Ion Ratio Lower Upper
 43 100
 72 18.2 18.4 27.6#



#26
 2,2-Dichloropropane
 Concen: 0.493 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Tgt Ion: 77 Resp: 938
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#





#31

Cyclohexane

Concen: 0.239 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU026997.D

Acq: 22 Sep 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-EB02-20180914

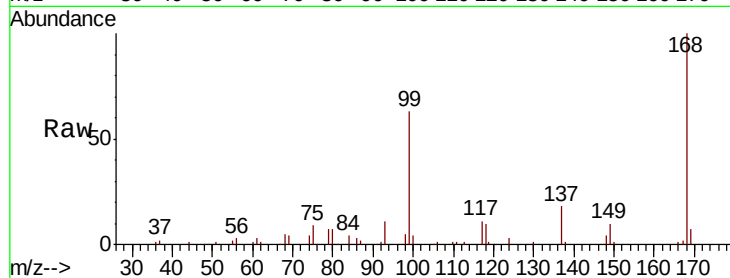
Tgt Ion: 56 Resp: 1799

Ion Ratio Lower Upper

56 100

69 158.0 23.0 34.4#

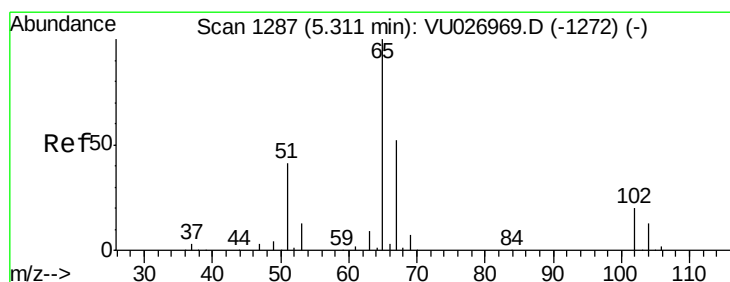
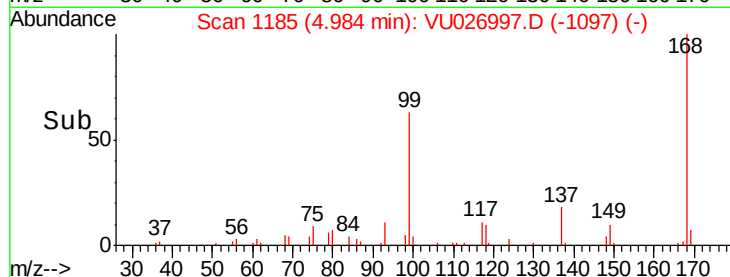
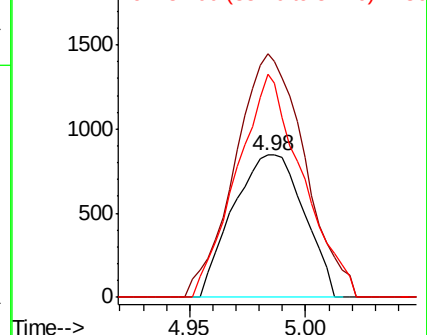
84 156.9 61.4 92.2#



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: 59.355 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU026997.D

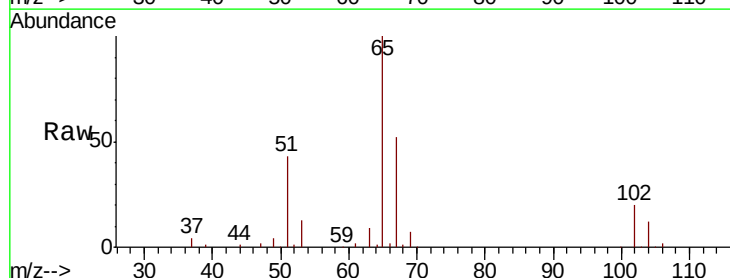
Acq: 22 Sep 2018 05:22

Tgt Ion: 65 Resp: 88286

Ion Ratio Lower Upper

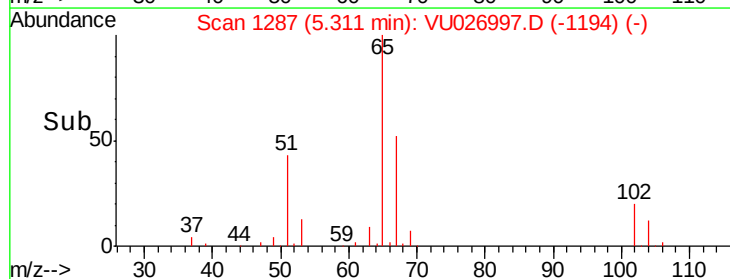
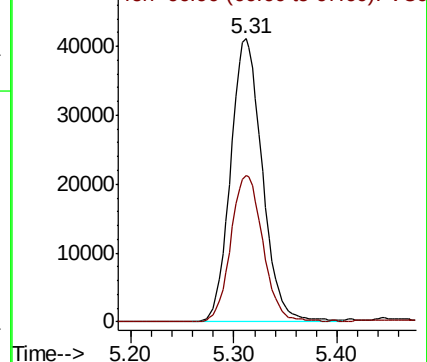
65 100

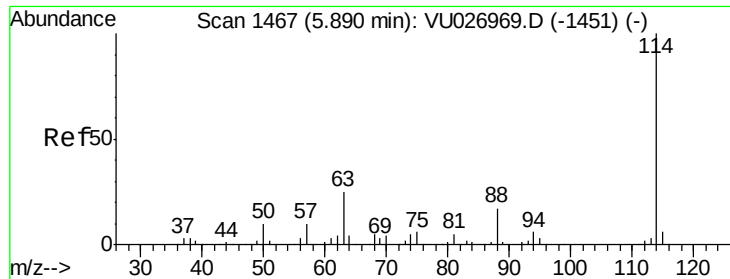
67 52.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

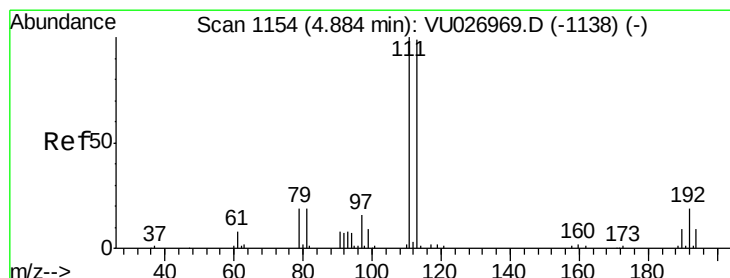
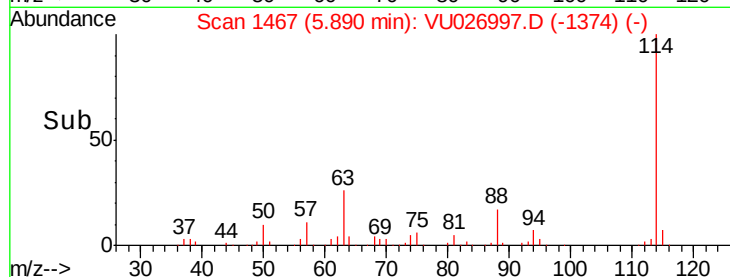
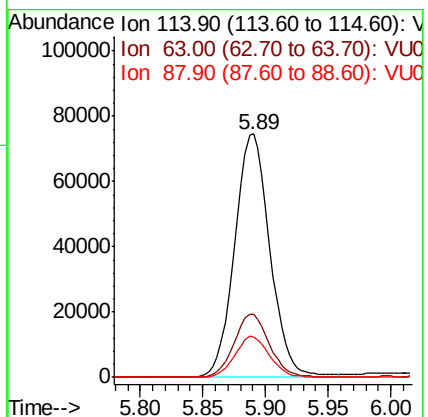
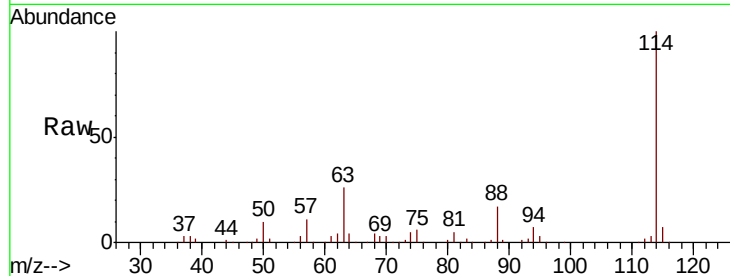




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

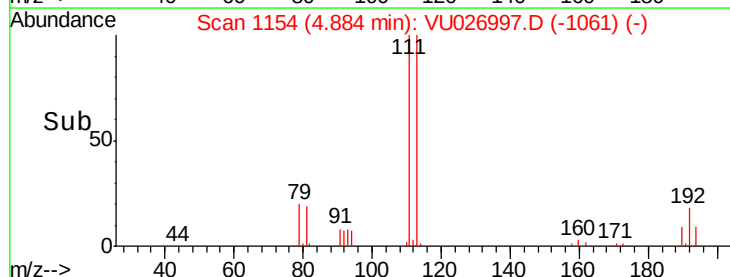
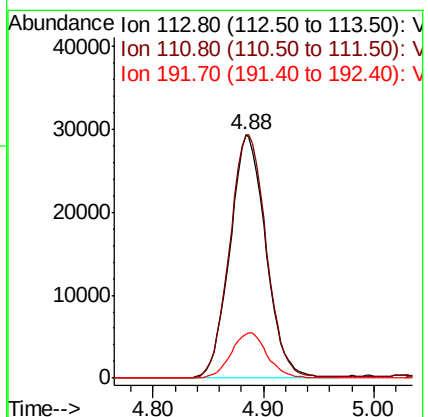
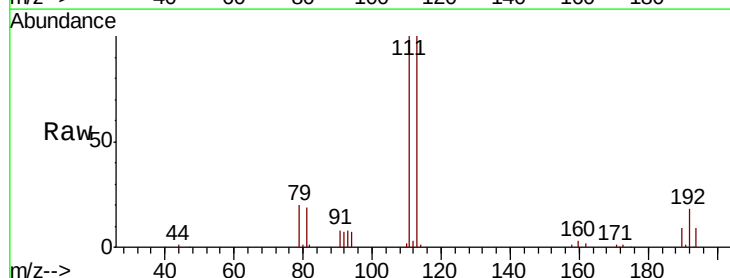
Instrument :
 MSVOA_U
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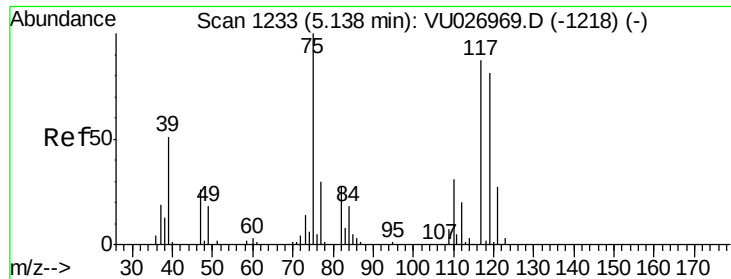
Tgt Ion:114 Resp: 146038
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 52.254 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Tgt Ion:113 Resp: 66146
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 18.5 15.2 22.8

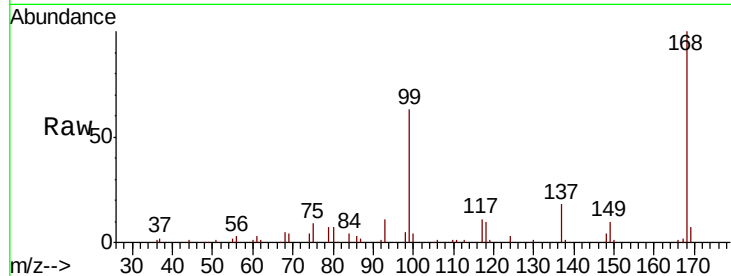




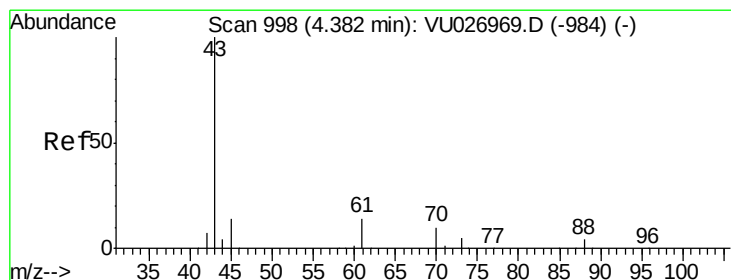
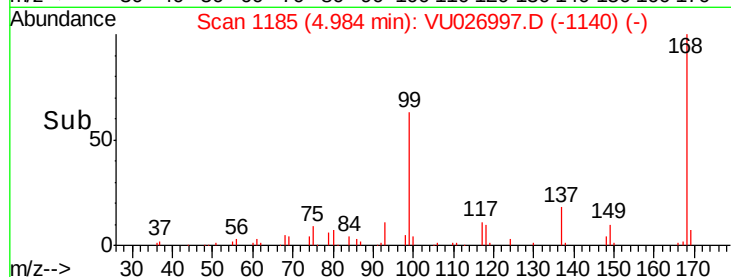
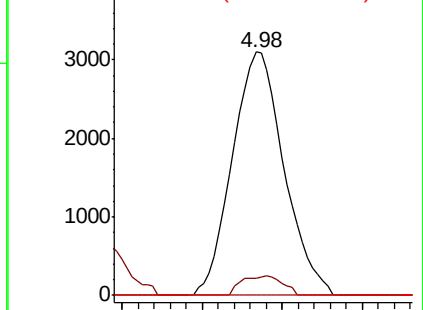
#36
 1,1-Dichloropropene
 Concen: 3.512 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

Tgt Ion: 75 Resp: 6846
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.1 48.2#
 77 0.0 24.6 36.8#

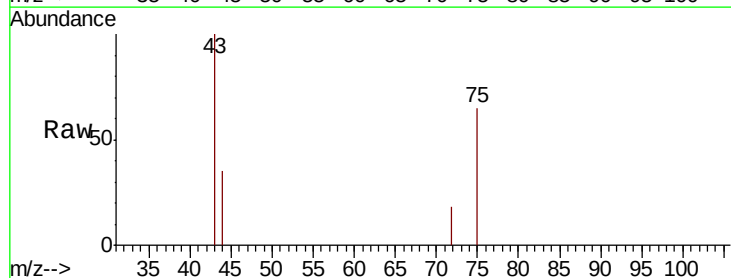


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

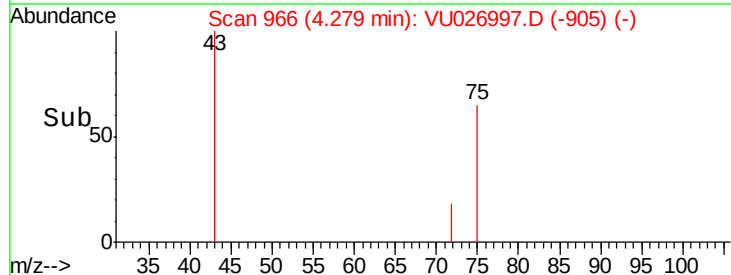
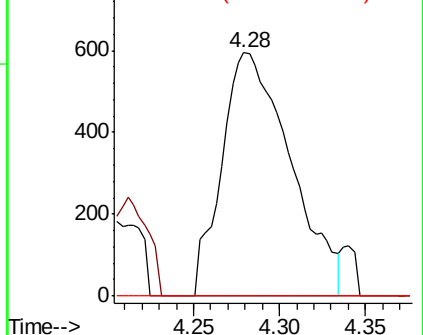


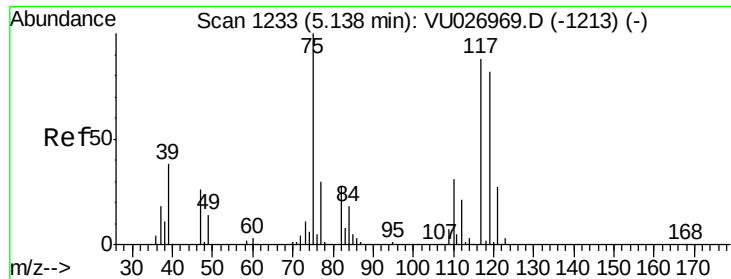
#37
 Ethyl Acetate
 Concen: 0.626 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.10 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Tgt Ion: 43 Resp: 1653
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

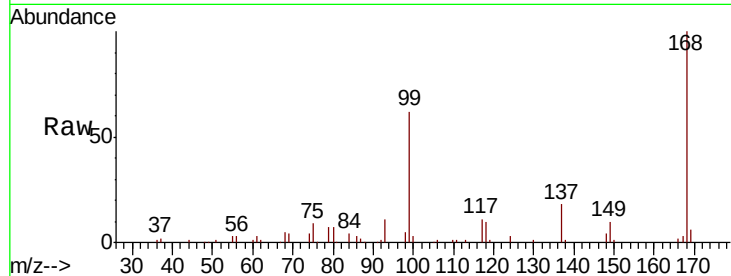




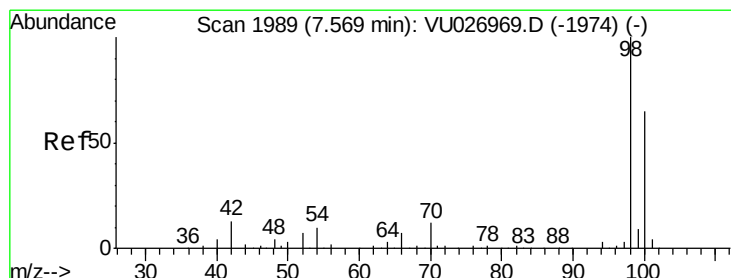
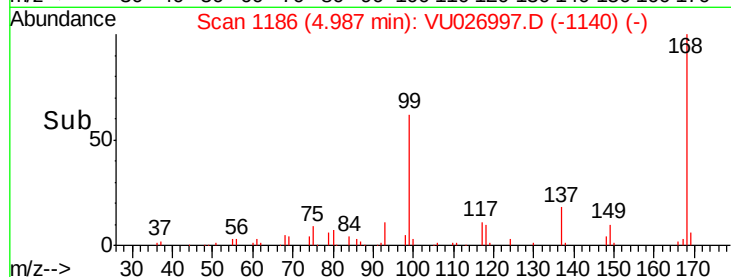
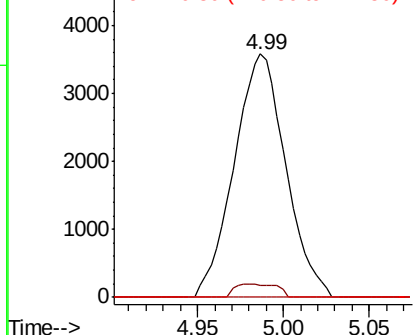
#38
Carbon Tetrachloride
Concen: 4.017 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU026997.D
Acq: 22 Sep 2018 05:22

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

Tgt Ion:117 Resp: 7451
Ion Ratio Lower Upper
117 100
119 4.9 74.4 111.6#
121 0.0 24.2 36.4#

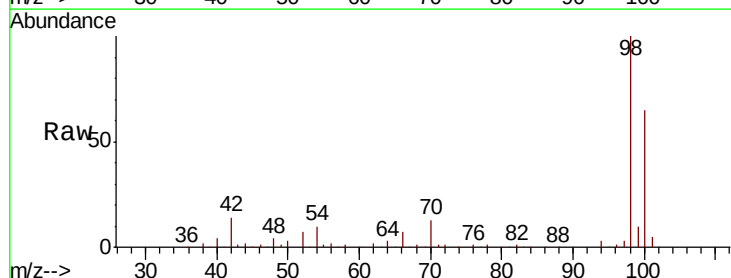


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

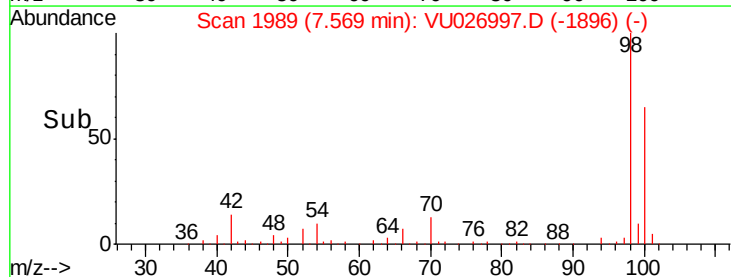
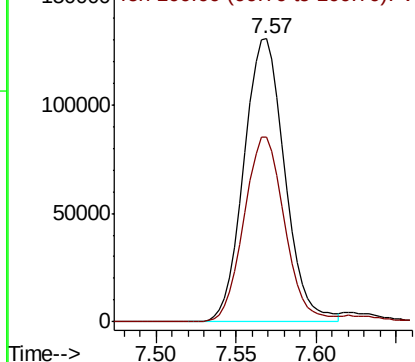


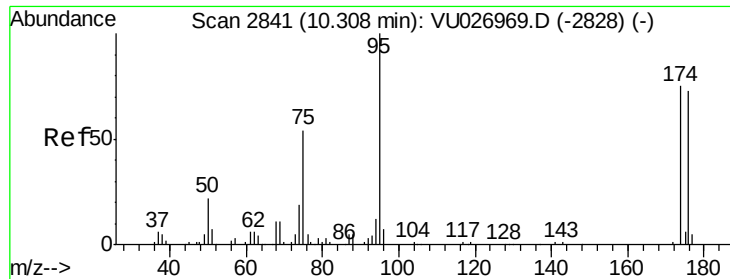
#50
Toluene-d8
Concen: 47.215 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026997.D
Acq: 22 Sep 2018 05:22

Tgt Ion: 98 Resp: 227777
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



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





#62

4-Bromofluorobenzene

Concen: 48.103 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026997.D

Acq: 22 Sep 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-EB02-20180914

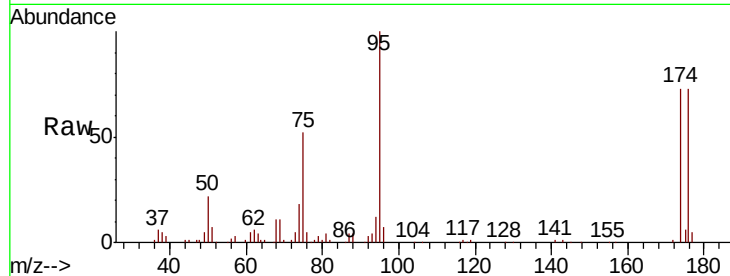
Tgt Ion: 95 Resp: 79628

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.2

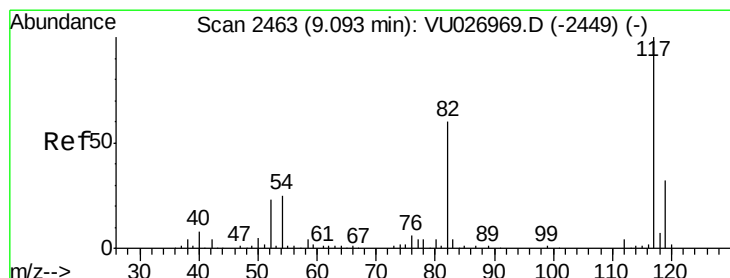
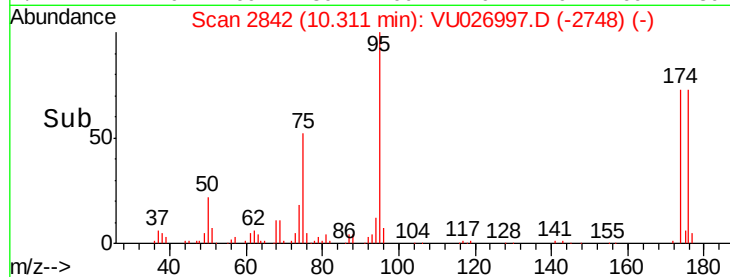
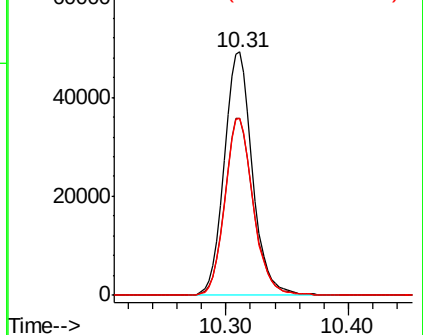
176 73.1 0.0 145.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026997.D

Acq: 22 Sep 2018 05:22

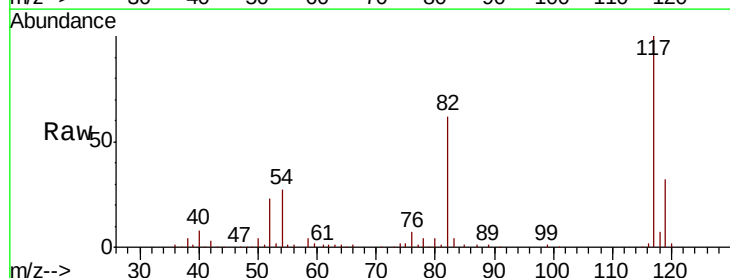
Tgt Ion: 117 Resp: 148039

Ion Ratio Lower Upper

117 100

82 61.9 48.0 72.0

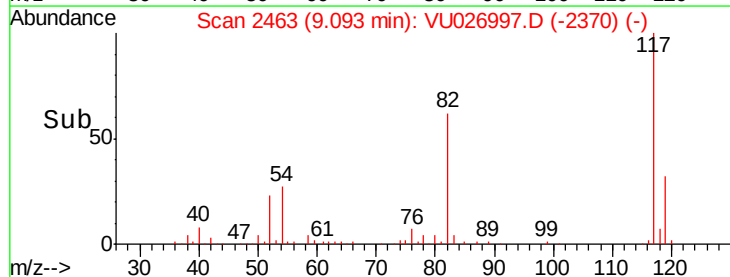
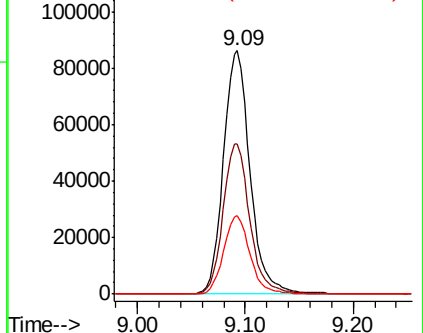
119 32.0 25.8 38.8

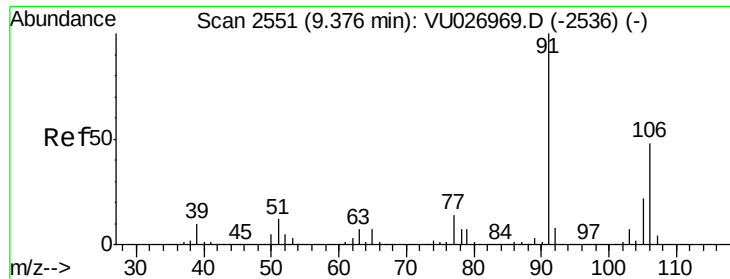


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

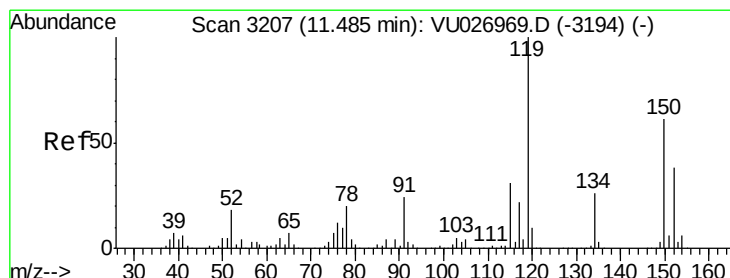
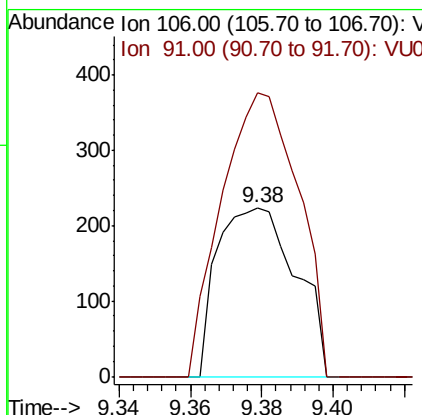
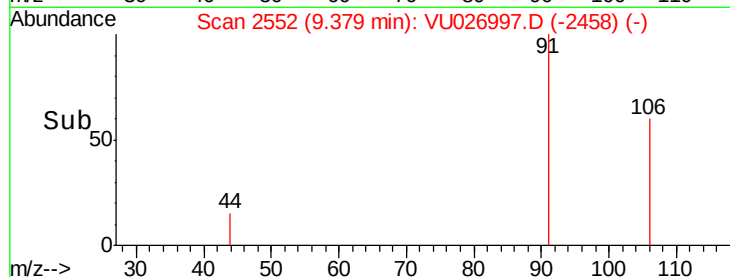
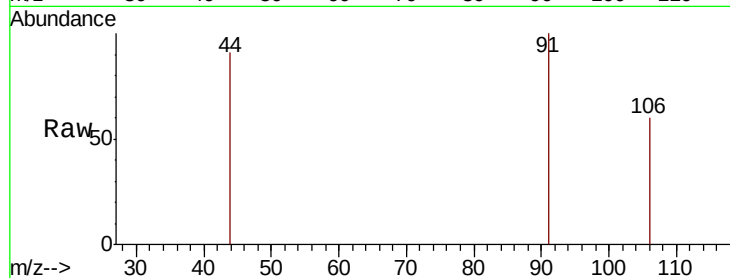




#68
m/p-Xylenes
Concen: 1.629 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026997.D
Acq: 22 Sep 2018 05:22

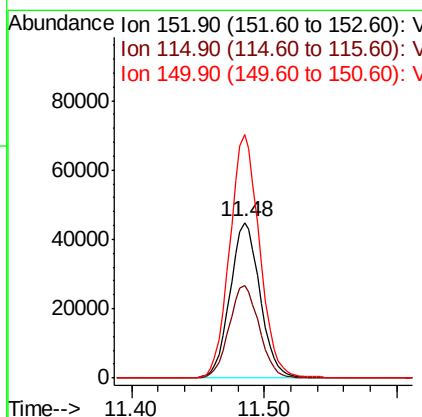
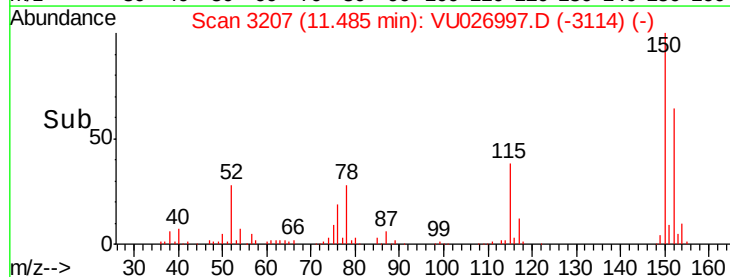
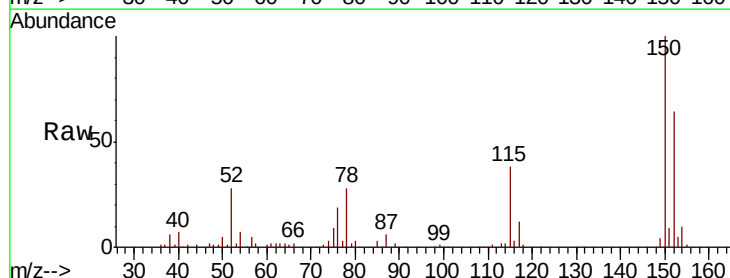
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

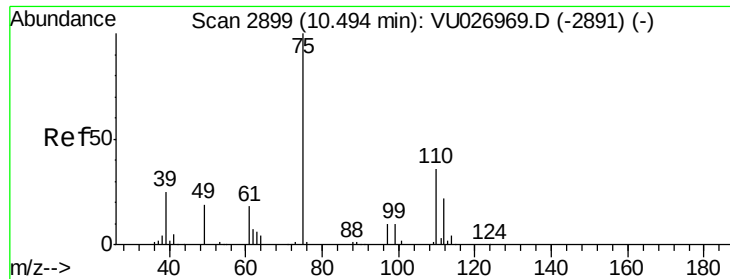
Tgt Ion:106 Resp: 340
Ion Ratio Lower Upper
106 100
91 164.7 166.5 249.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026997.D
Acq: 22 Sep 2018 05:22

Tgt Ion:152 Resp: 70524
Ion Ratio Lower Upper
152 100
115 59.9 44.9 134.5
150 155.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 20.144 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026997.D

Acq: 22 Sep 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

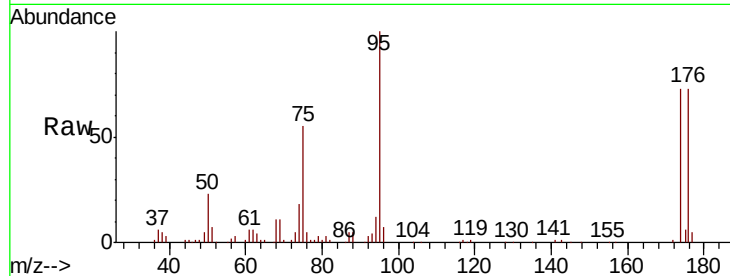
BP-TT-EB02-20180914

Tgt Ion: 75 Resp: 43158

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

25000

20000

15000

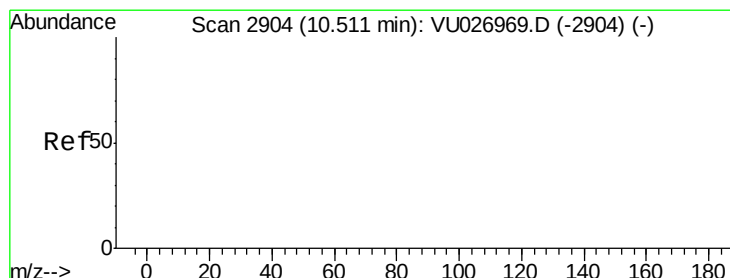
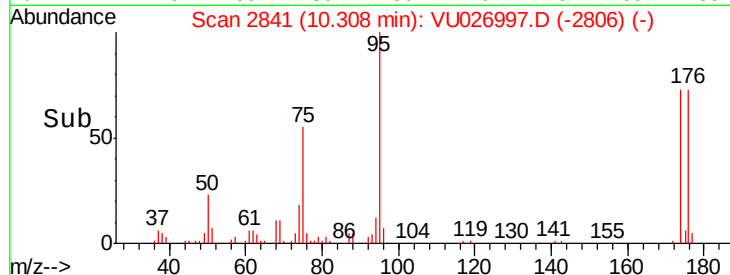
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 64.464 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026997.D

Acq: 22 Sep 2018 05:22

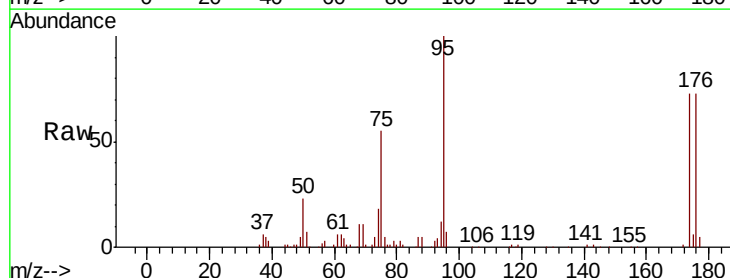
Tgt Ion: 75 Resp: 43158

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.31

30000

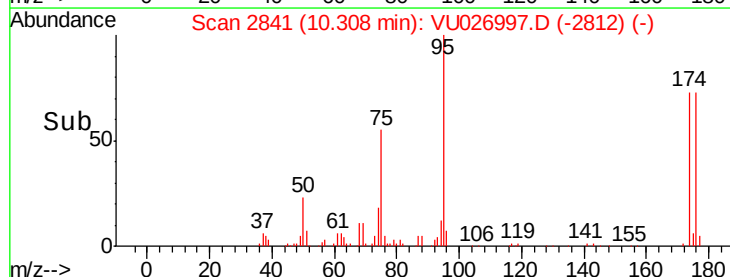
20000

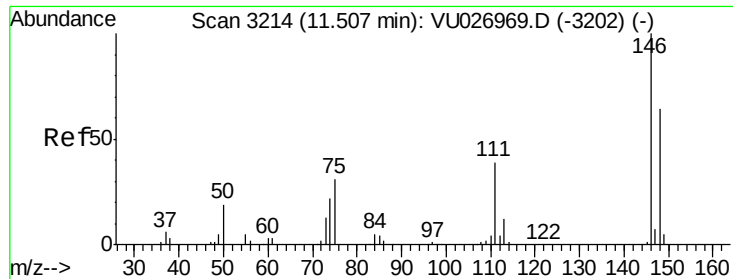
10000

0

Time-->

10.25 10.30 10.35 10.40

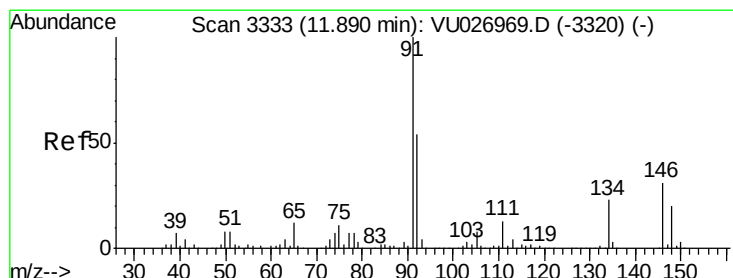
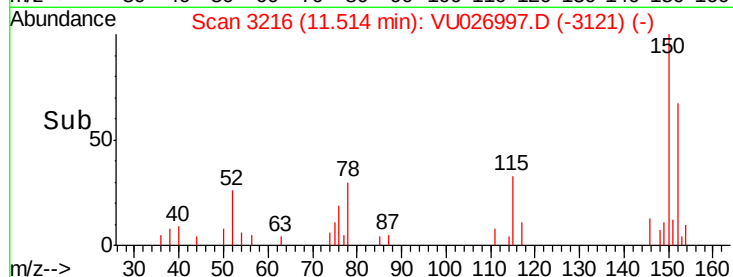
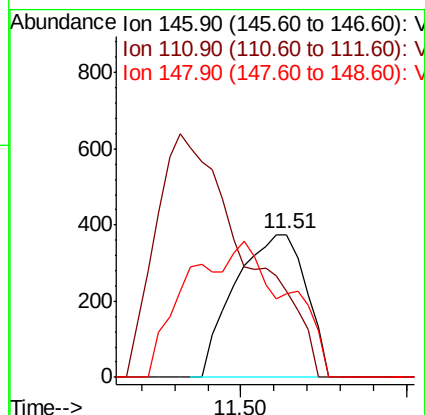
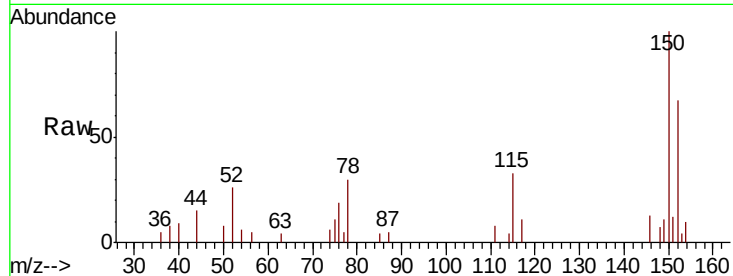




#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 11.51 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

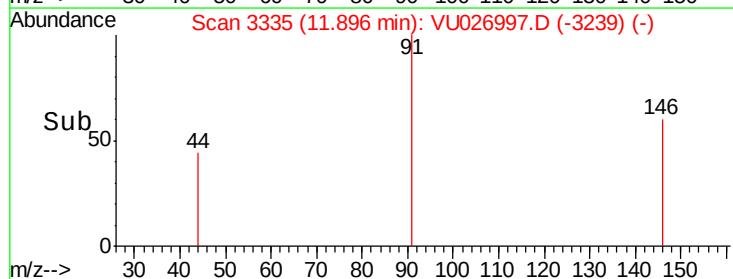
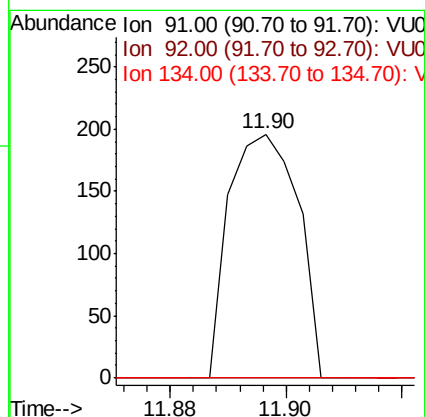
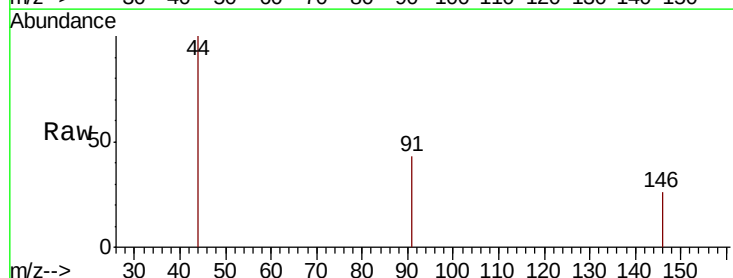
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

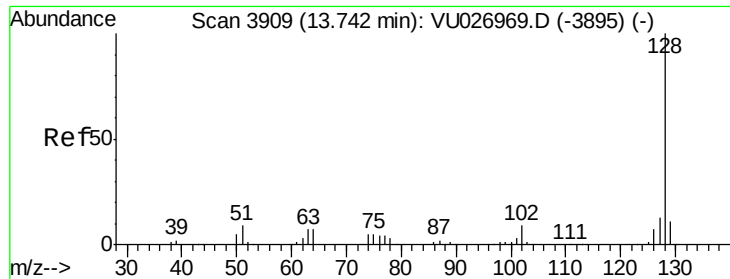
Tgt Ion: 146 Resp: 560
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.9#
 148 76.1 31.9 95.9



#89
 n-Butylbenzene
 Concen: 2.424 ug/l
 RT: 11.90 min Scan# 3335
 Delta R.T. 0.01 min
 Lab File: VU026997.D
 Acq: 22 Sep 2018 05:22

Tgt Ion: 91 Resp: 161
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.1 81.2#
 134 0.0 11.7 35.0#





#95

Naphthalene

Concen: 1.728 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU026997.D

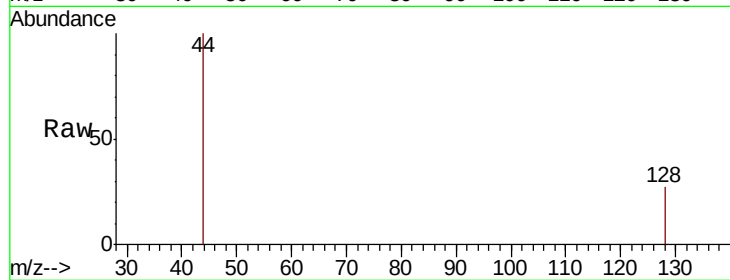
Acq: 22 Sep 2018 05:22

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-EB02-20180914



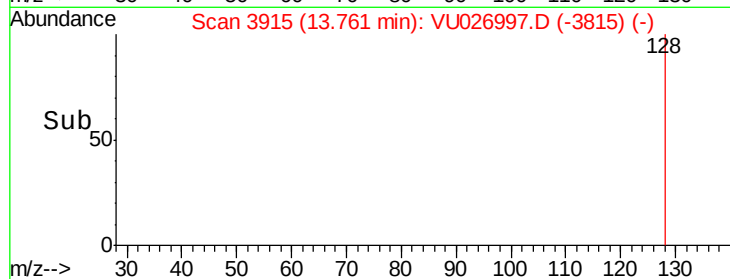
Tgt Ion:128 Resp: 233

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

