

Data File : VU027045.D
Acq On : 23 Sep 2018 03:24
Operator : MD/SY
Sample : J4958-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 87 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309I-20180915

Quant Time: Sep 24 05:46:47 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	97733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	162639	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	99674	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	4.88	113	68697	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	7.57	98	253394	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	10.31	95	84511	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds

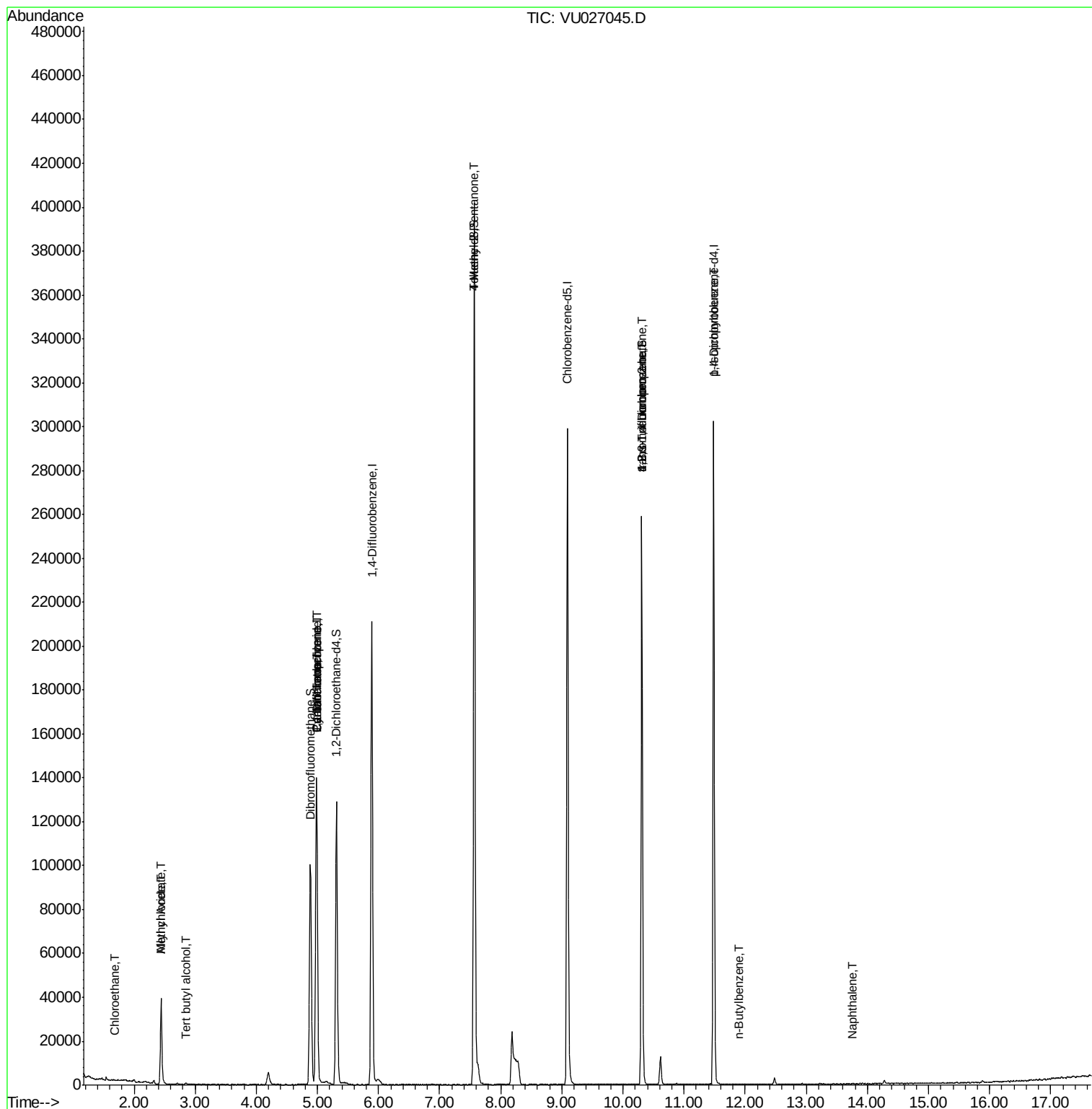
						Qvalue
6) Chloroethane	1.68	64	436	0.332	ug/l #	43
11) Tert butyl alcohol	2.85	59	476	1.056	ug/l #	72
14) Allyl chloride	2.44	41	3836	1.401	ug/l #	68
16) Acetone	2.32	43	1824	Below Cal		98
18) Methyl Acetate	2.44	43	9992	3.569	ug/l #	55
31) Cyclohexane	4.98	56	2486	0.276	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9783	4.507	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10300	4.986	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1308	0.454	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	46333	20.831	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46333	66.663	ug/l #	100
86) p-Isopropyltoluene	11.48	119	41	0.935	ug/l #	1
89) n-Butylbenzene	11.90	91	125	2.416	ug/l #	33
95) Naphthalene	13.76	128	95	1.704	ug/l #	69

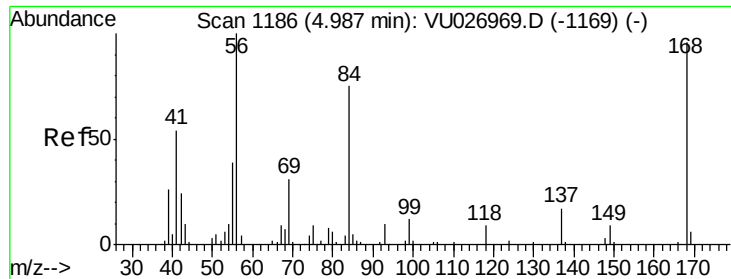
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

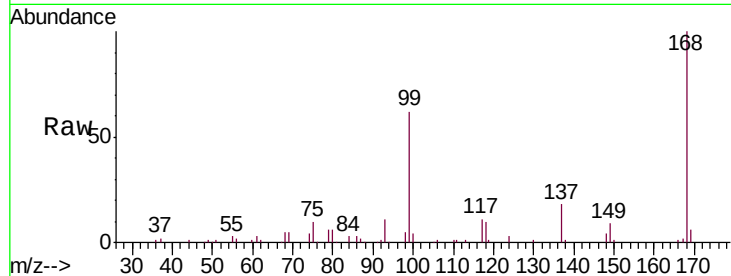
BPS1-TT-MW309I-20180915

Tgt Ion:168 Resp: 97733

Ion Ratio Lower Upper

168 100

99 62.2 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

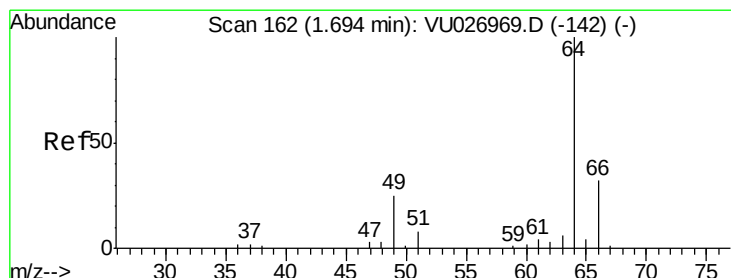
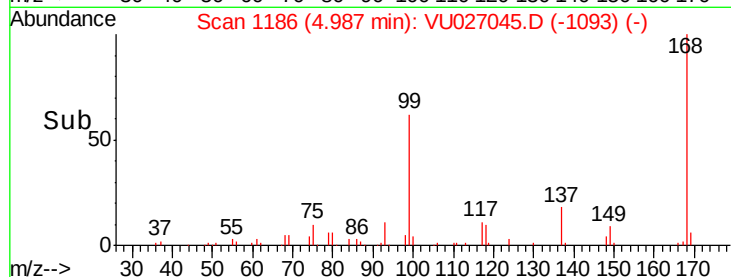
0

4.90

5.00

5.10

Time-->



#6

Chloroethane

Concen: 0.332 ug/l

RT: 1.68 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU027045.D

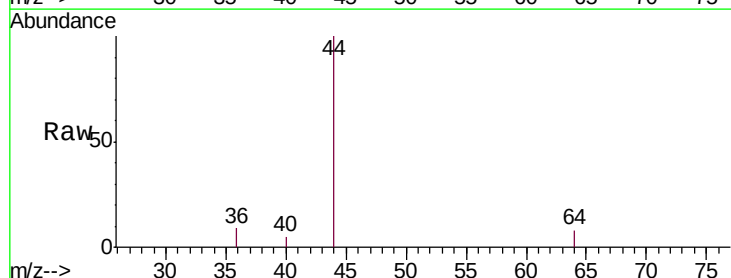
Acq: 23 Sep 2018 03:24

Tgt Ion: 64 Resp: 436

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) (-)

1.68

200

150

100

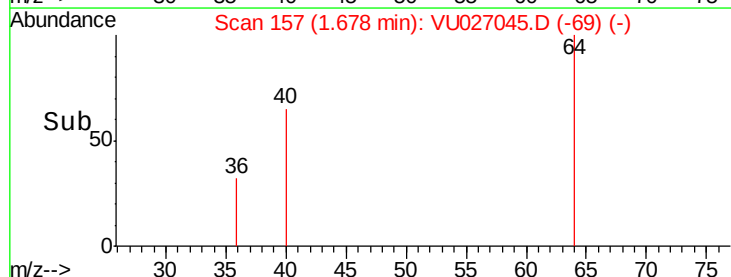
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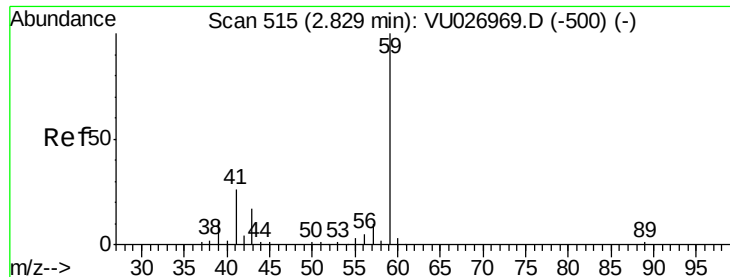
0

1.65

1.70

Time-->

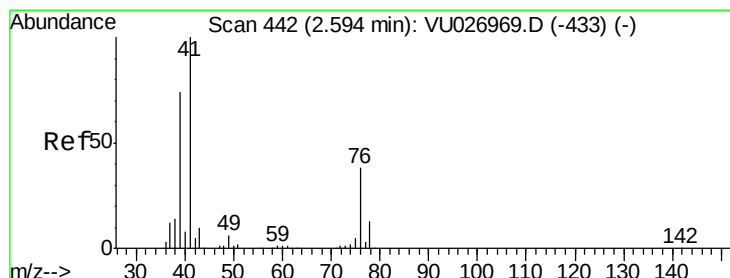
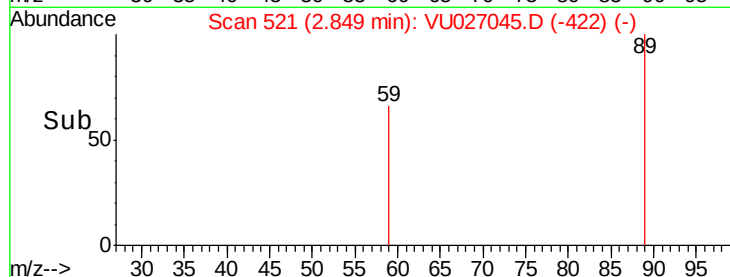
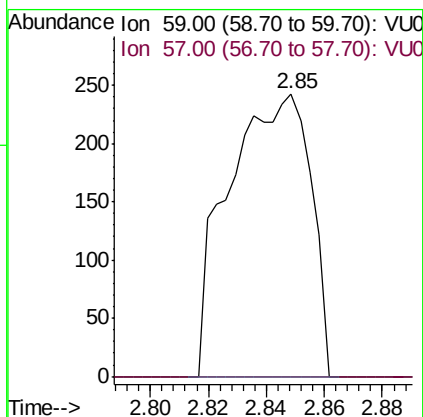
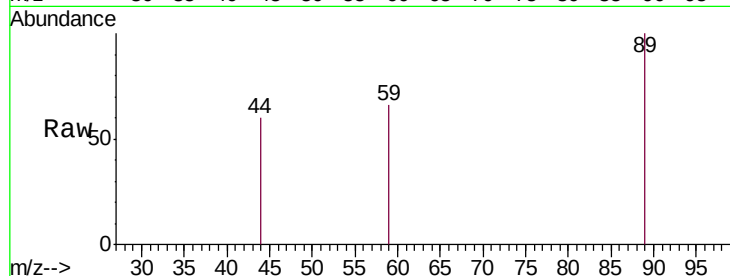




#11
Tert butyl alcohol
Concen: 1.056 ug/l
RT: 2.85 min Scan# 521
Delta R.T. 0.02 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

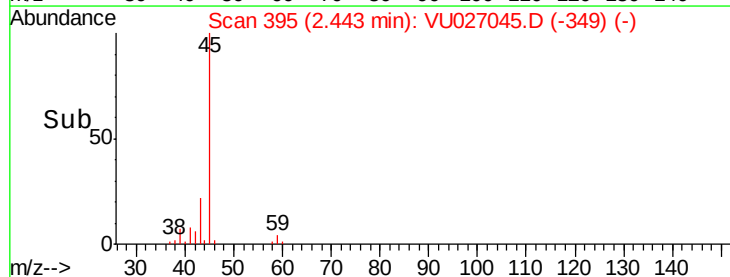
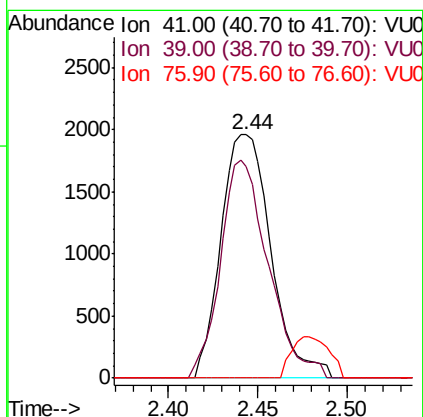
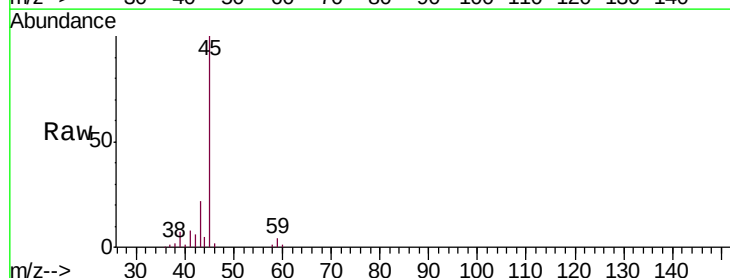
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309I-20180915

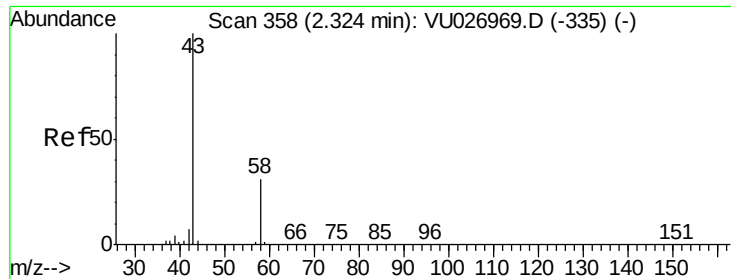
Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 1.401 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

Tgt Ion: 41 Resp: 3836
Ion Ratio Lower Upper
41 100
39 85.3 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: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

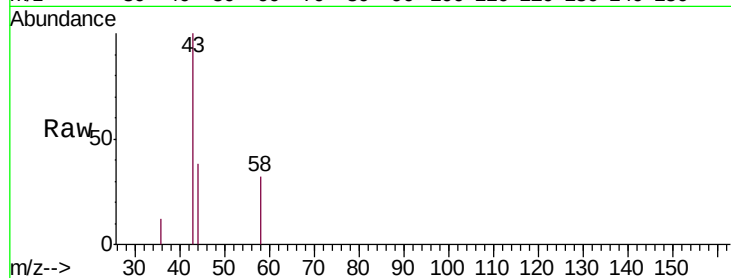
BPS1-TT-MW309I-20180915

Tgt Ion: 43 Resp: 1824

Ion Ratio Lower Upper

43 100

58 31.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

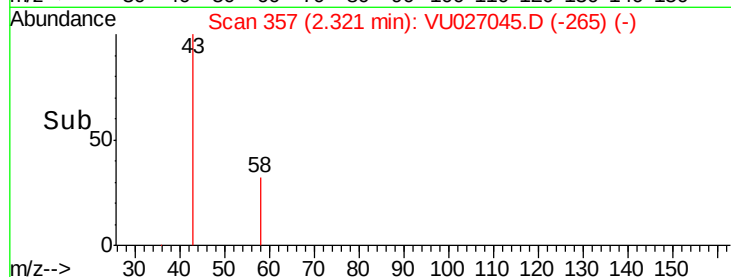
2.32

1000

500

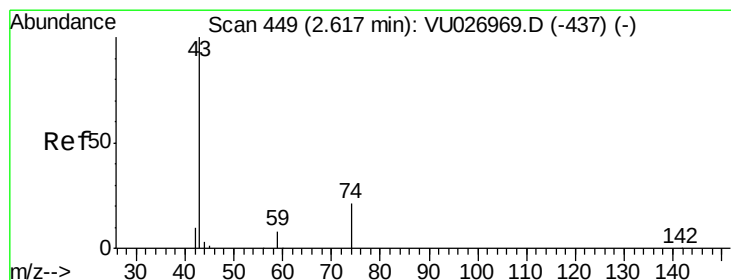
0

Time-->



2.30

2.35



#18

Methyl Acetate

Concen: 3.569 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027045.D

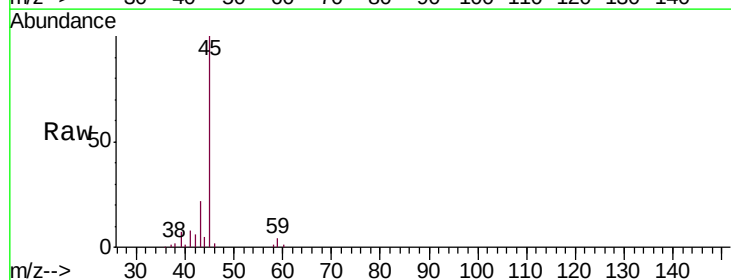
Acq: 23 Sep 2018 03:24

Tgt Ion: 43 Resp: 9992

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026969.D (-437) (-)

2.44

6000

5000

4000

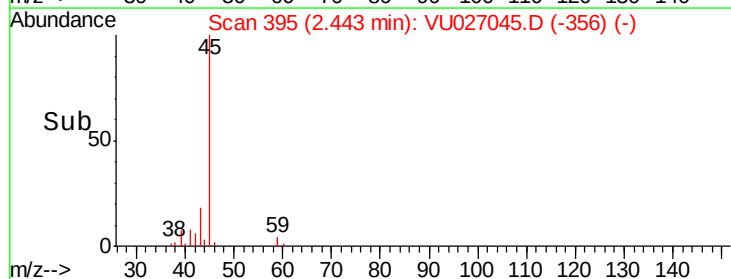
3000

2000

1000

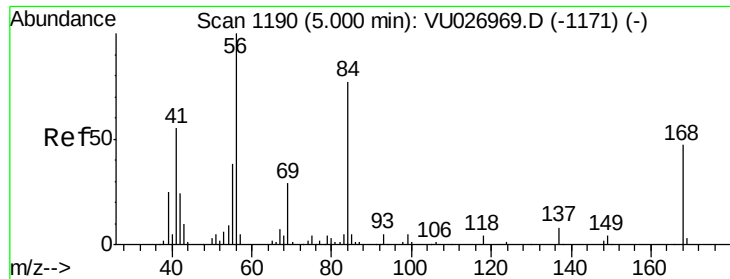
0

Time-->



2.40

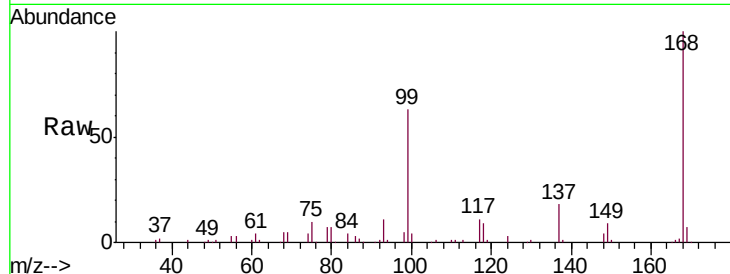
2.50



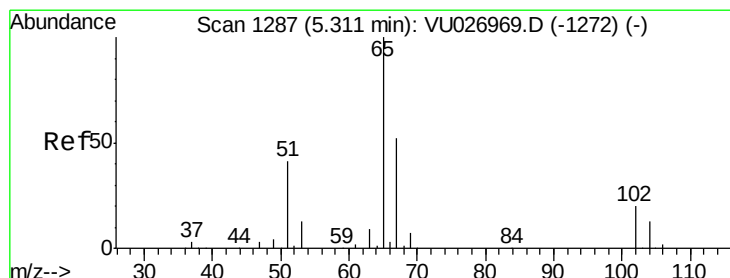
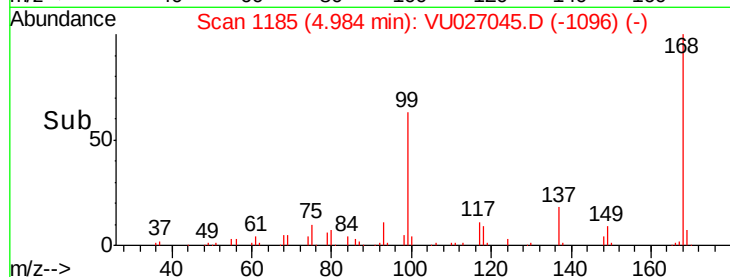
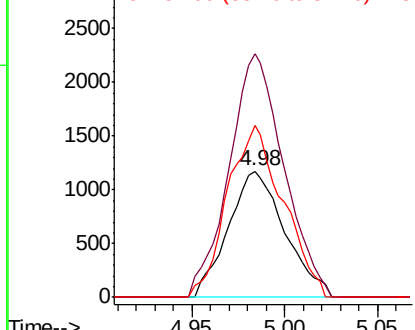
#31
Cyclohexane
Concen: 0.276 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309I-20180915

Tgt Ion: 56 Resp: 2486
Ion Ratio Lower Upper
56 100
69 193.2 23.0 34.4#
84 136.3 61.4 92.2#

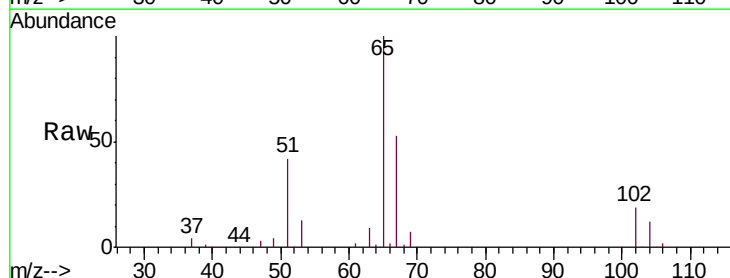


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

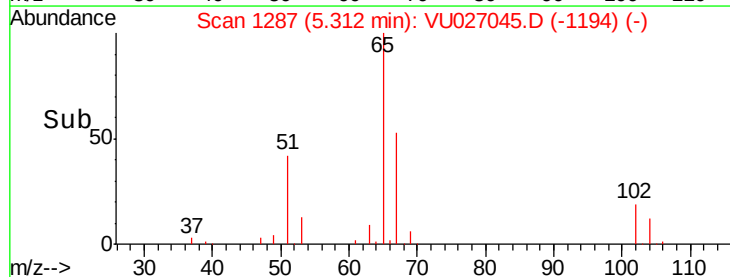
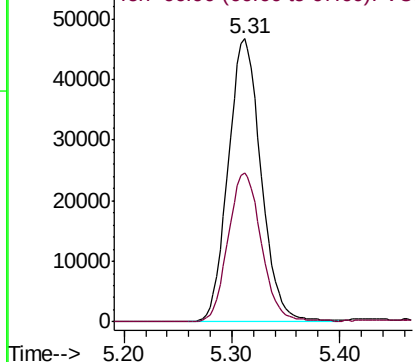


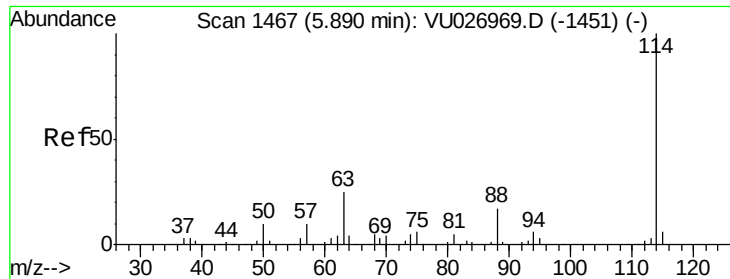
#33
1,2-Dichloroethane-d4
Concen: 50.672 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

Tgt Ion: 65 Resp: 99674
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



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

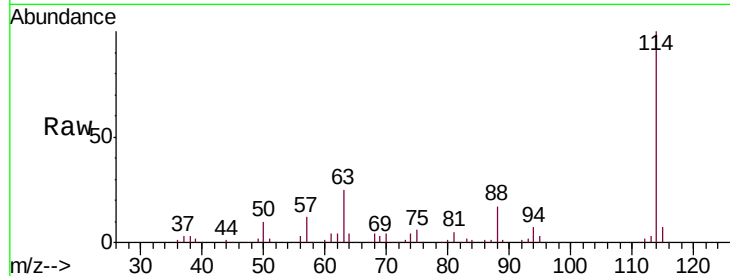




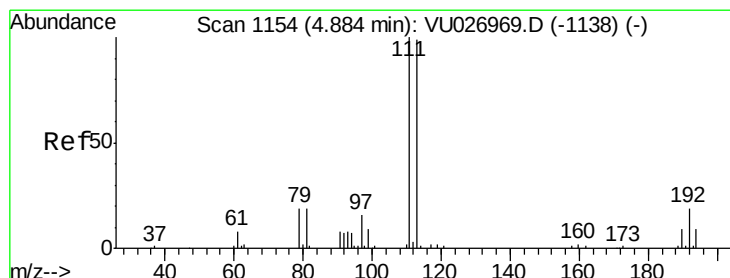
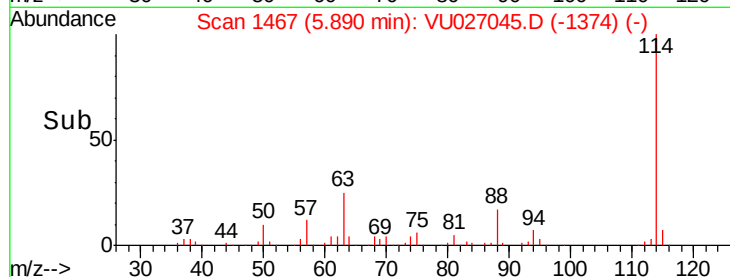
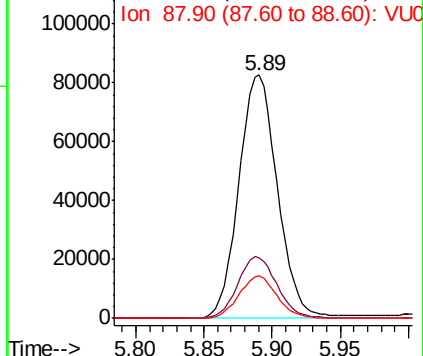
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027045.D
 Acq: 23 Sep 2018 03:24

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 MSVOA_U
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Tgt Ion:114 Resp: 162639
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.3 0.0 33.8

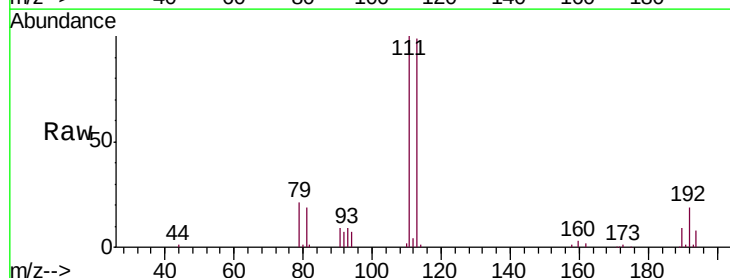


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

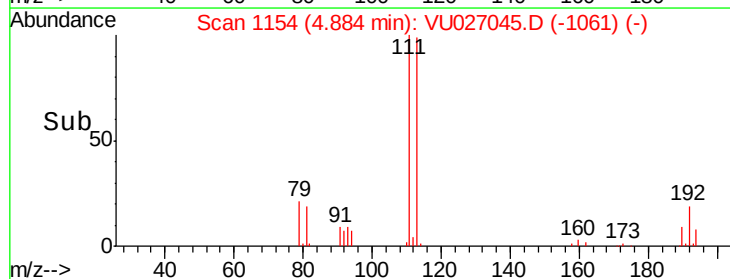
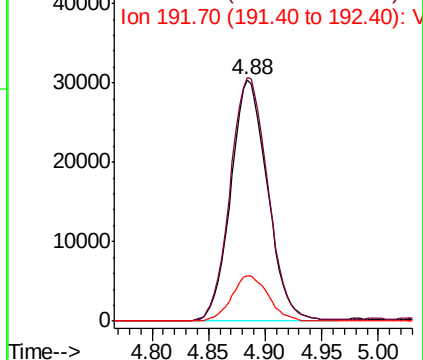


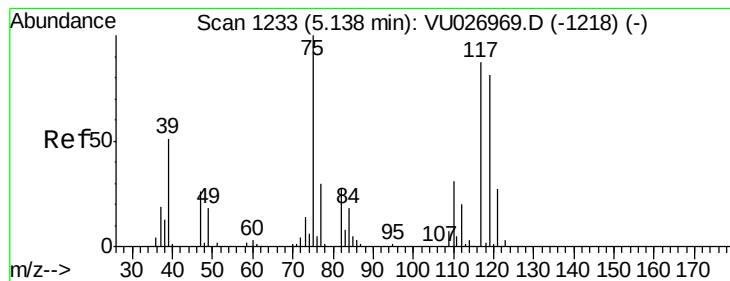
#35
 Dibromofluoromethane
 Concen: 48.730 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027045.D
 Acq: 23 Sep 2018 03:24

Tgt Ion:113 Resp: 68697
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.2 123.4
 192 18.7 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: 4.507 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309I-20180915

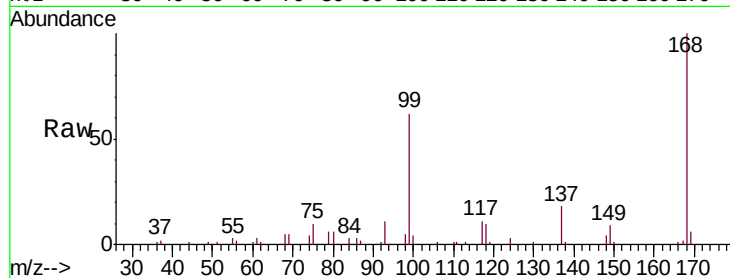
Tgt Ion: 75 Resp: 9783

Ion Ratio Lower Upper

75 100

110 6.9 16.1 48.2#

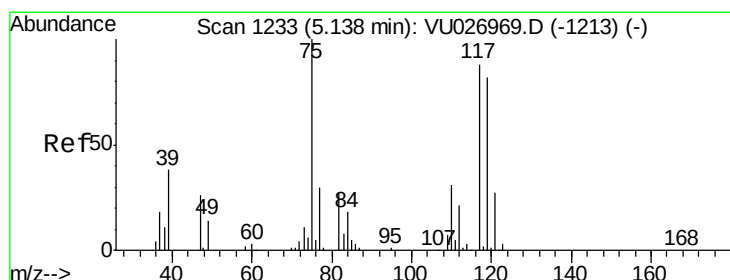
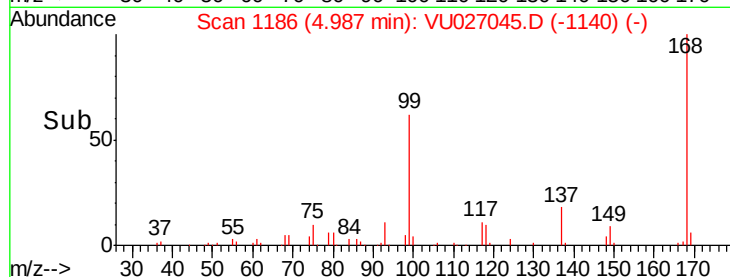
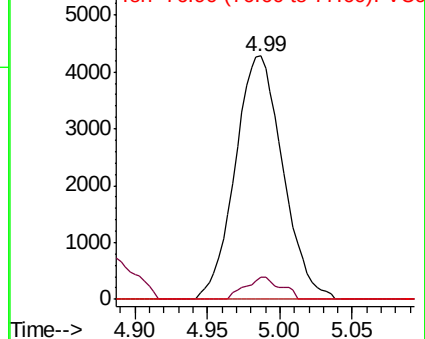
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU027045.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027045.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027045.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 4.986 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

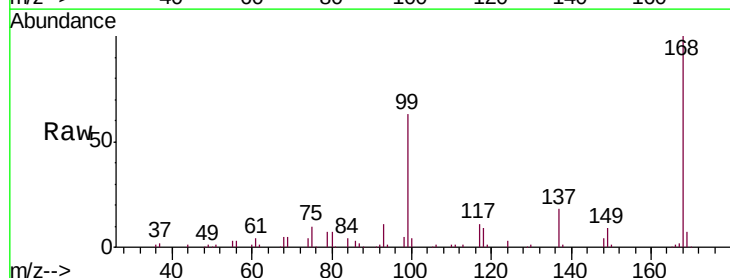
Tgt Ion: 117 Resp: 10300

Ion Ratio Lower Upper

117 100

119 6.4 74.4 111.6#

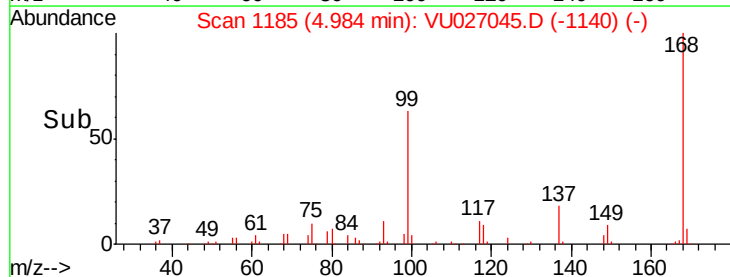
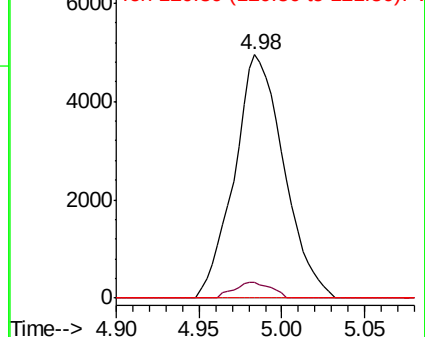
121 0.0 24.2 36.4#

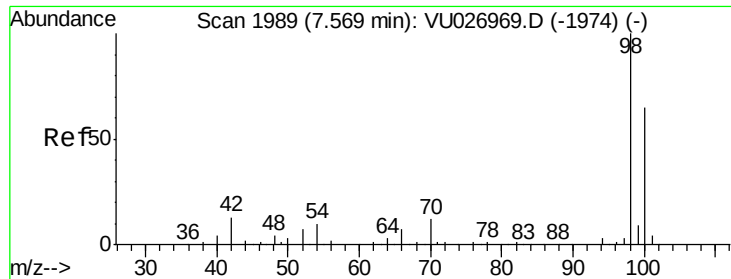


Abundance Ion 116.80 (116.50 to 117.50): VU027045.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027045.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027045.D (-1140) (-)

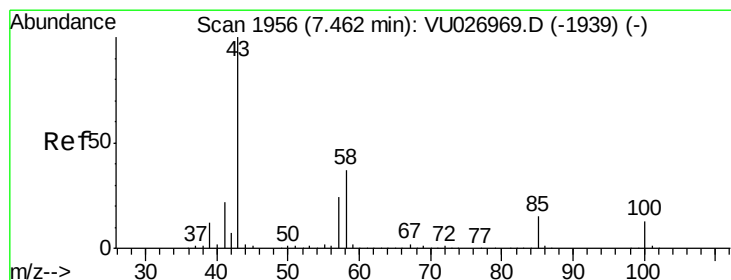
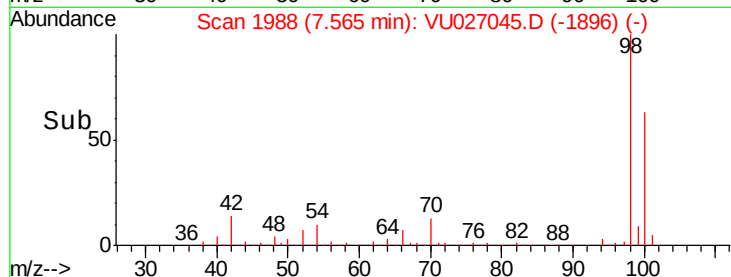
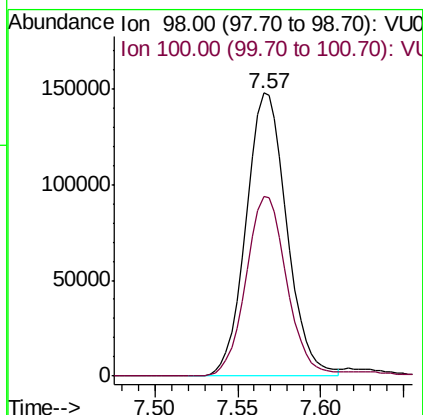
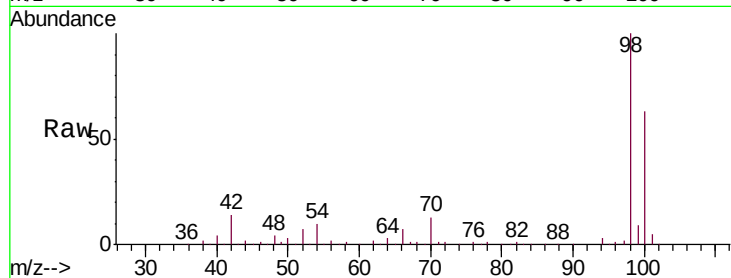




#50
Toluene-d8
Concen: 47.164 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

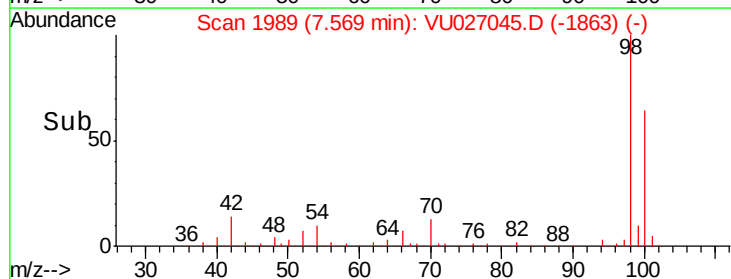
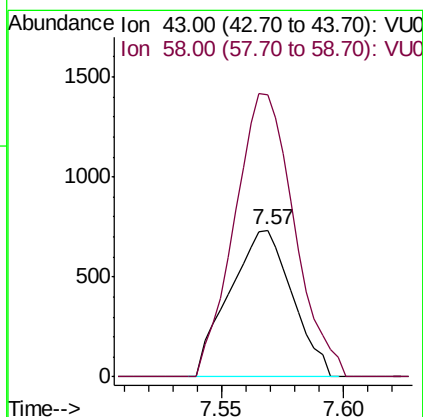
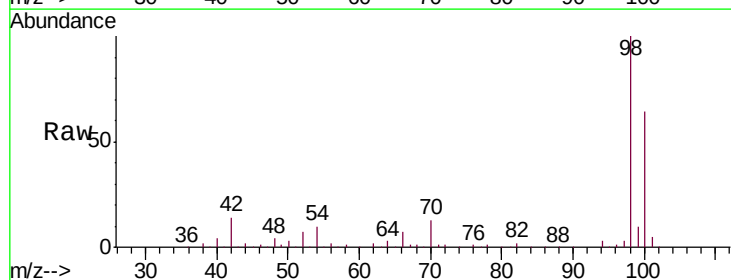
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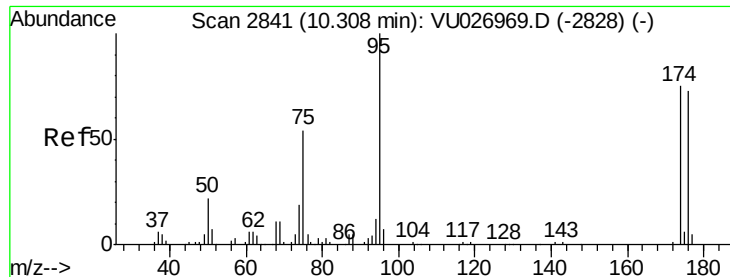
Tgt Ion: 98 Resp: 253394
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.454 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 184.3 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 45.842 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309I-20180915

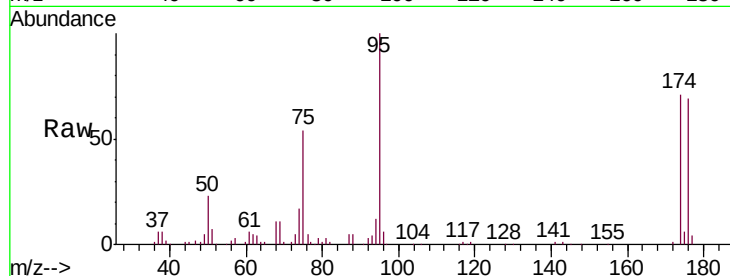
Tgt Ion: 95 Resp: 84511

Ion Ratio Lower Upper

95 100

174 72.6 0.0 150.2

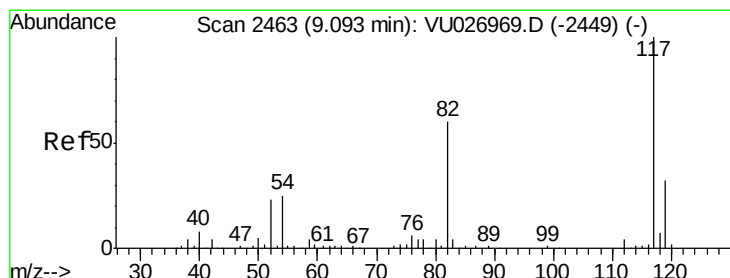
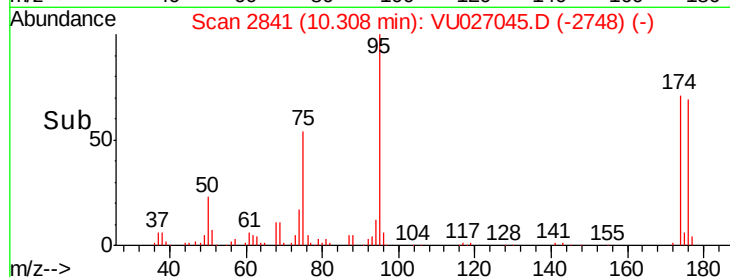
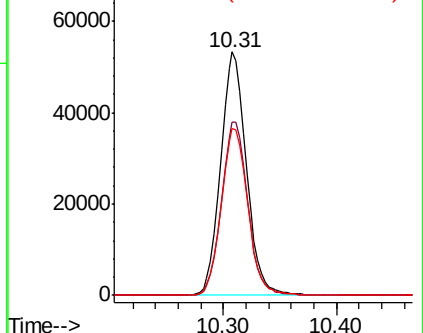
176 70.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

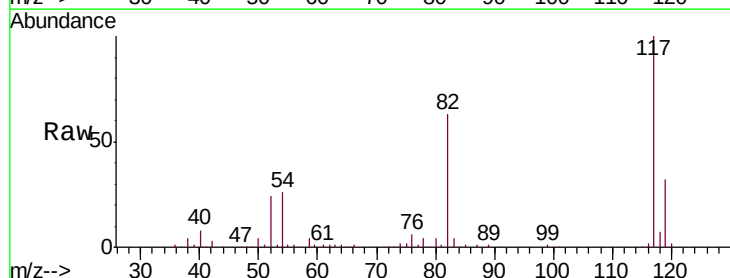
Tgt Ion: 117 Resp: 157232

Ion Ratio Lower Upper

117 100

82 62.9 48.0 72.0

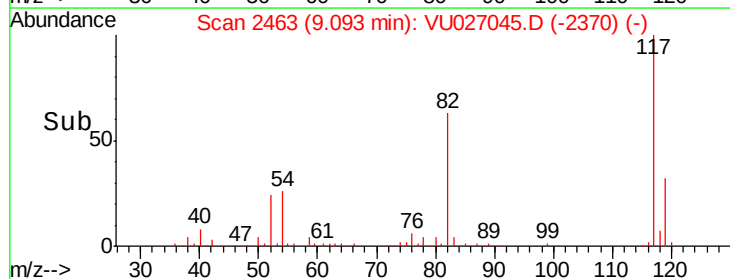
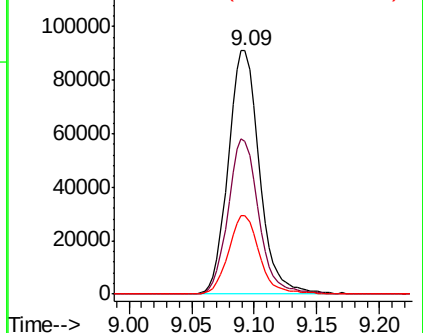
119 32.4 25.8 38.8

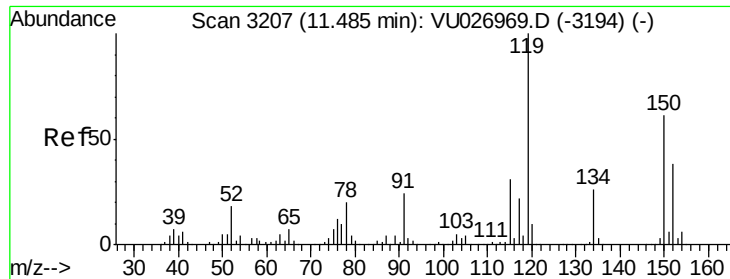


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309I-20180915

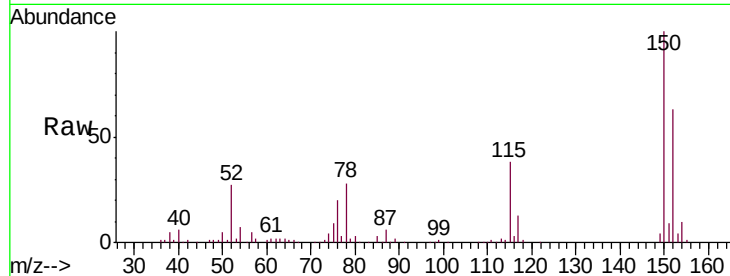
Tgt Ion: 152 Resp: 73214

Ion Ratio Lower Upper

152 100

115 60.8 44.9 134.5

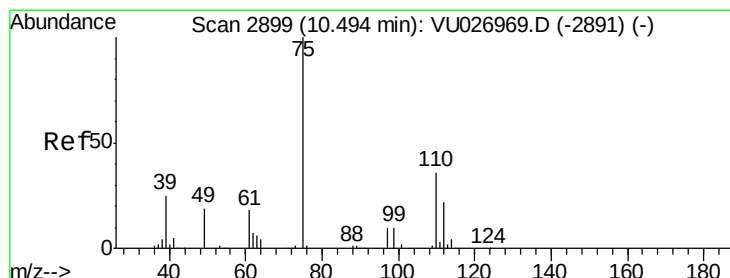
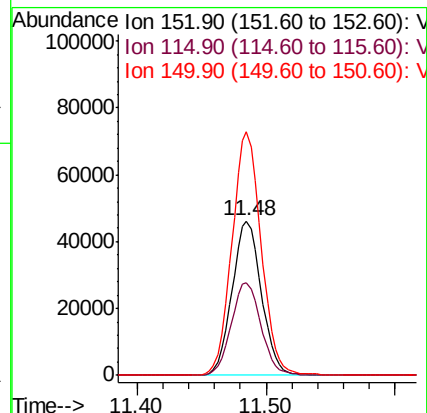
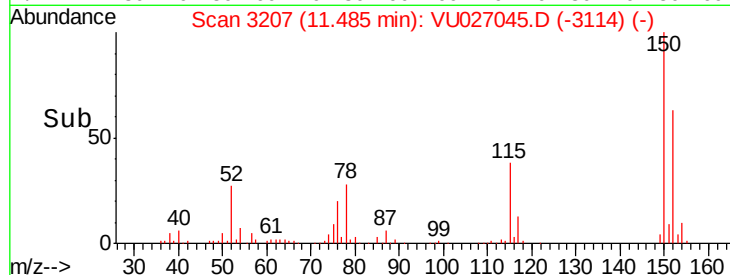
150 156.0 0.0 355.8



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: 20.831 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027045.D

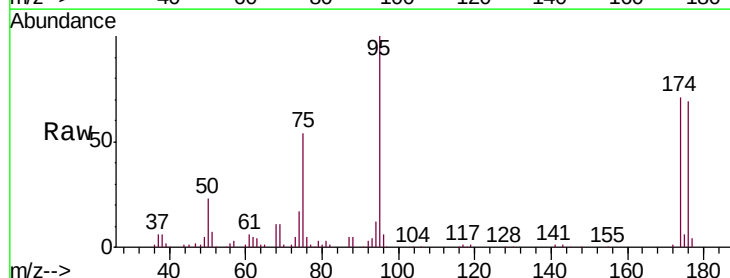
Acq: 23 Sep 2018 03:24

Tgt Ion: 75 Resp: 46333

Ion Ratio Lower Upper

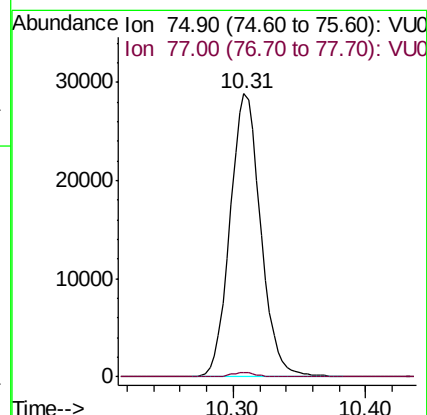
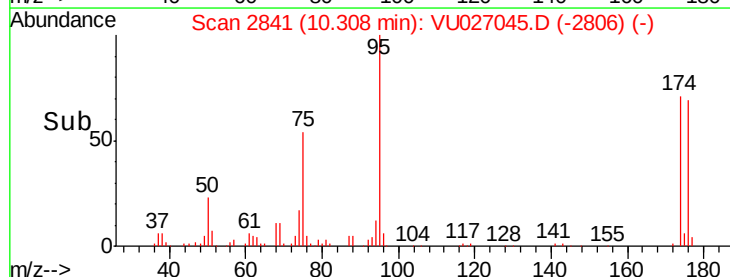
75 100

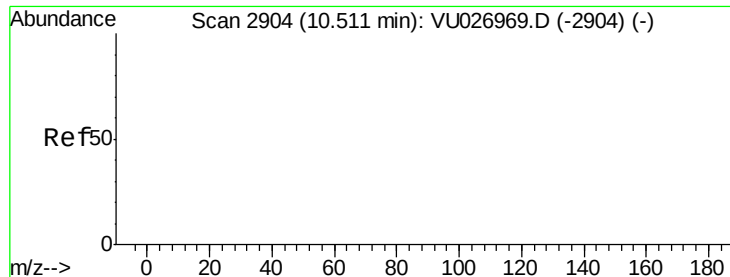
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

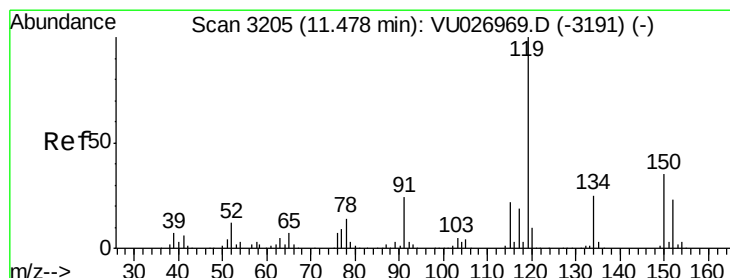
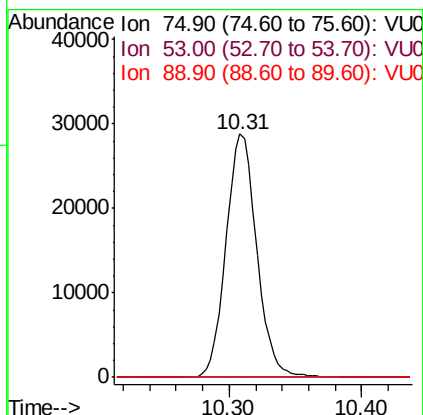
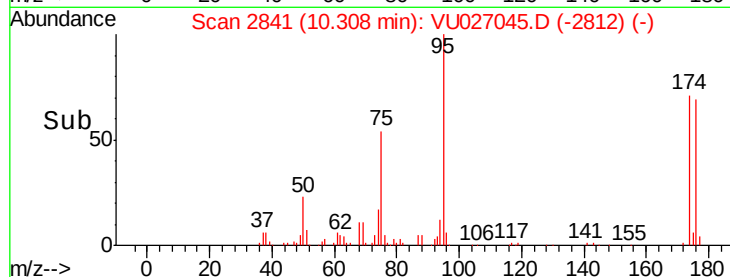
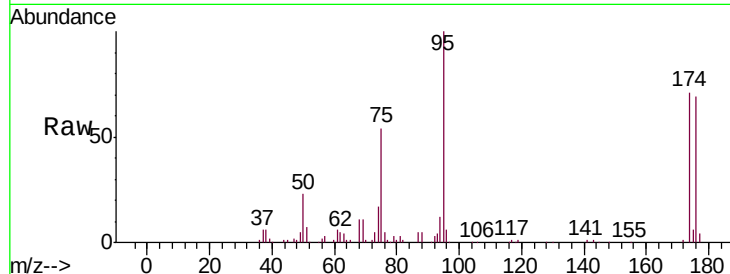




#81
trans-1,4-Dichloro-2-butene
Concen: 66.663 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

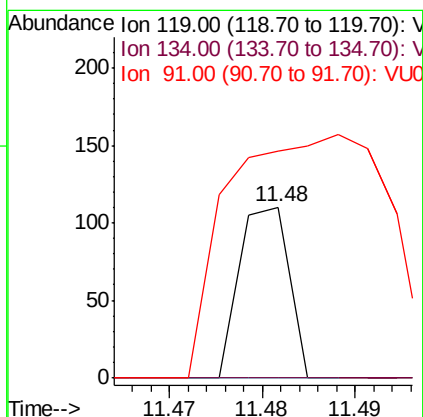
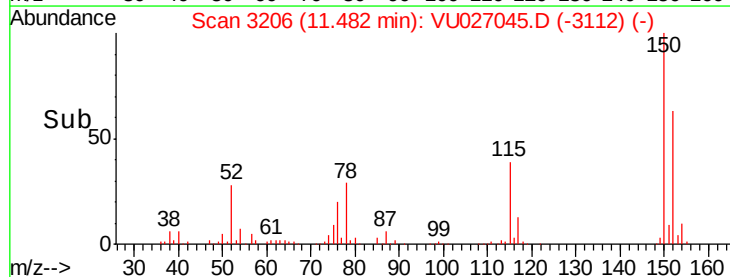
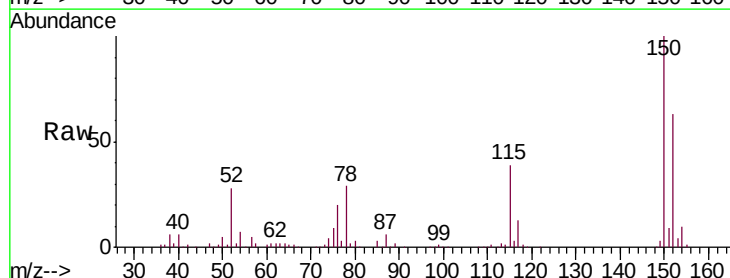
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309I-20180915

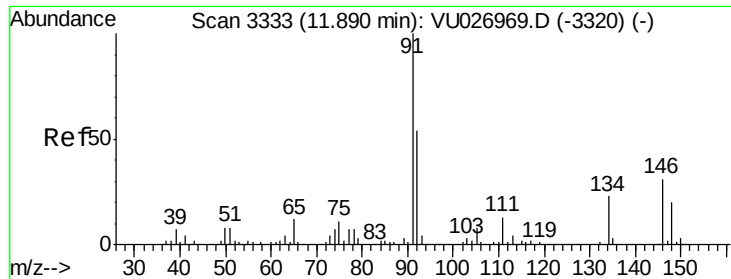
Tgt Ion: 75 Resp: 46333
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.935 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027045.D
Acq: 23 Sep 2018 03:24

Tgt Ion: 119 Resp: 41
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 456.1 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.416 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309I-20180915

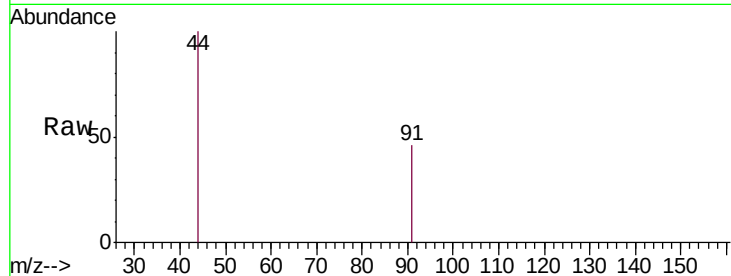
Tgt Ion: 91 Resp: 125

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): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

11.90

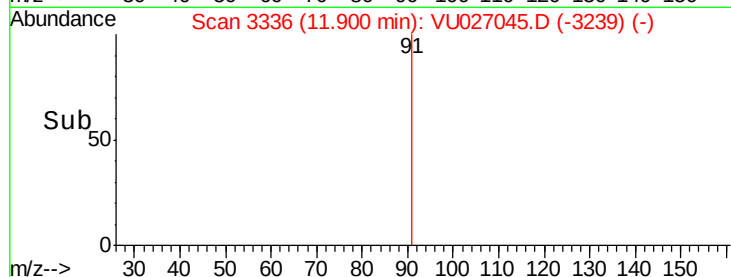
150

100

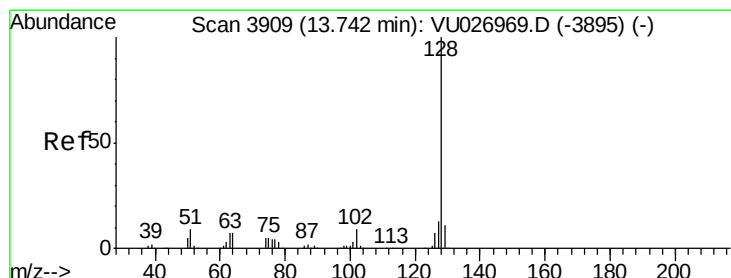
50

0

11.88 11.90 11.92



Time-->



#95

Naphthalene

Concen: 1.704 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027045.D

Acq: 23 Sep 2018 03:24

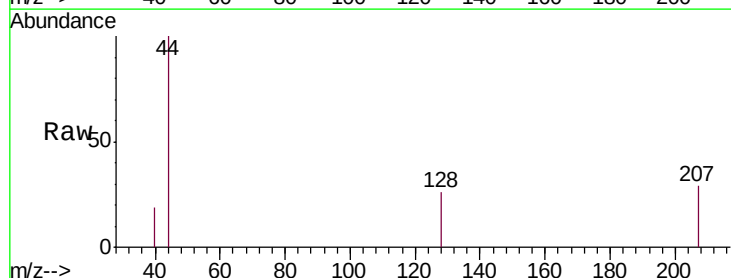
Tgt Ion: 128 Resp: 95

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): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

13.76

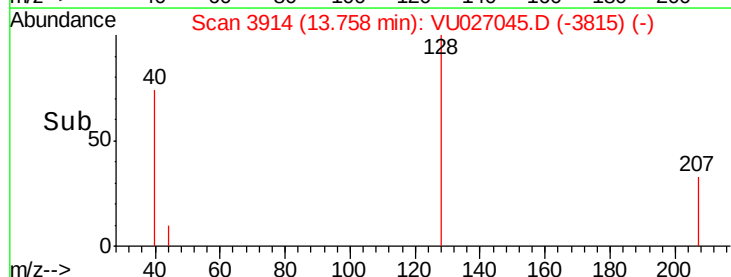
150

100

50

0

13.74 13.76



Time-->