

Data File : VU027086.D
Acq On : 23 Sep 2018 20:43
Operator : MD/SY
Sample : J4954-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 130 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-SW-DUP01-20180914

Quant Time: Sep 24 07:18:22 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	100914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	171652	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	106494	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	4.89	113	74101	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	7.57	98	280111	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	10.31	95	90428	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	

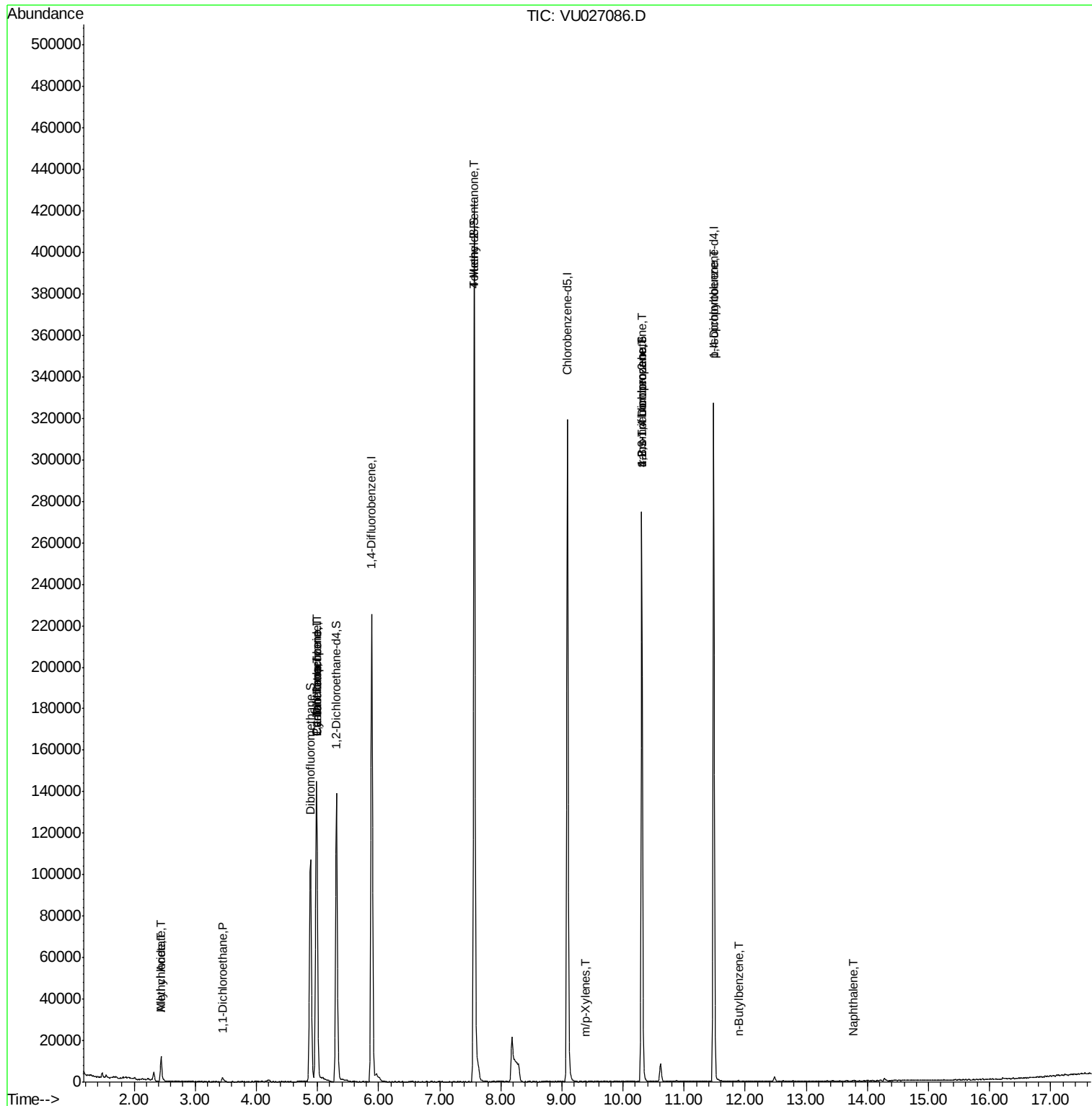
Target Compounds			Qvalue			
14) Allyl chloride	2.44	41	1313	0.464 ug/l #	72	
16) Acetone	2.32	43	4538	Below Cal	98	
18) Methyl Acetate	2.44	43	3295	1.140 ug/l #	55	
24) 1,1-Dichloroethane	3.45	63	2731	0.820 ug/l #	84	
31) Cyclohexane	4.98	56	2612	0.291 ug/l #	1	
36) 1,1-Dichloropropene	4.99	75	9484	4.140 ug/l #	48	
38) Carbon Tetrachloride	4.99	117	10339	4.742 ug/l #	18	
51) 4-Methyl-2-Pentanone	7.57	43	1287	0.423 ug/l #	1	
68) m/p-Xylenes	9.38	106	42	1.515 ug/l #	62	
76) 1,2,3-Trichloropropane	10.31	75	49341	20.907 ug/l #	35	
81) trans-1,4-Dichloro-2-buten	10.31	75	49341	66.906 ug/l #	100	
86) p-Isopropyltoluene	11.48	119	93	0.944 ug/l #	1	
89) n-Butylbenzene	11.89	91	210	2.430 ug/l #	33	
95) Naphthalene	13.77	128	90	1.703 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

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Instrument :

MSVOA_U

ClientSampleId :

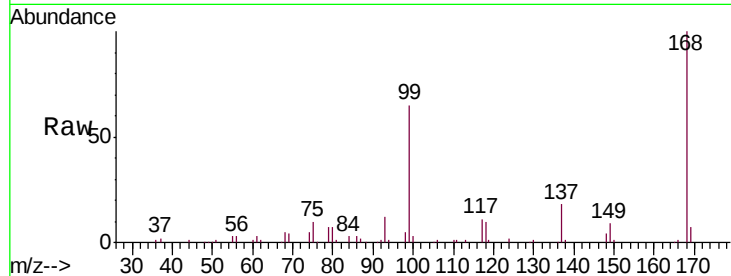
SA-SW-DUP01-20180914

Tgt Ion:168 Resp: 100914

Ion Ratio Lower Upper

168 100

99 65.0 48.1 72.1

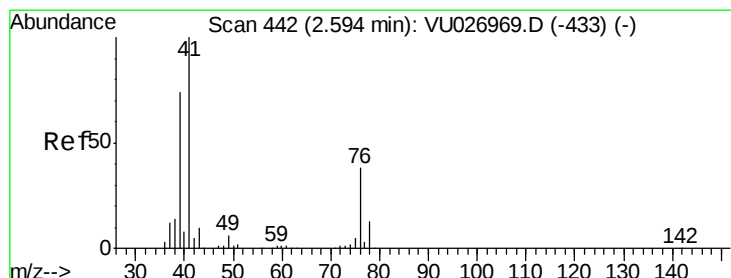
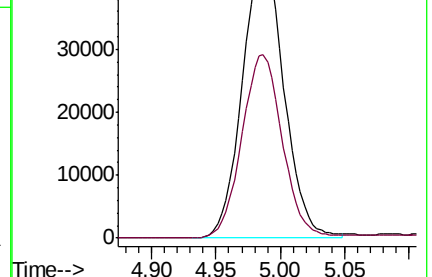
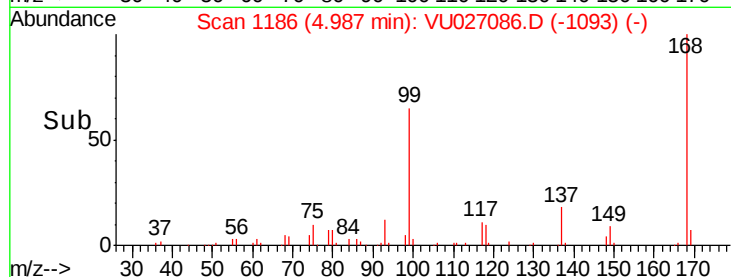


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

Time-->



#14

Allyl chloride

Concen: 0.464 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

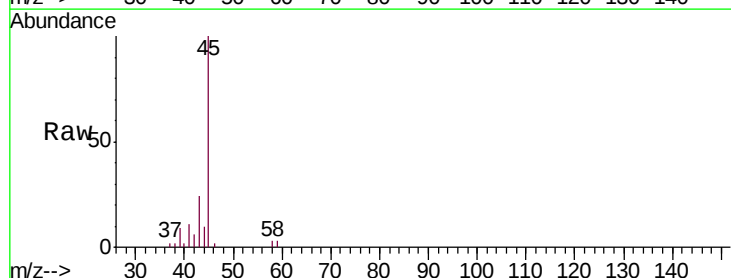
Tgt Ion: 41 Resp: 1313

Ion Ratio Lower Upper

41 100

39 80.3 55.7 83.5

76 0.0 26.5 39.7#



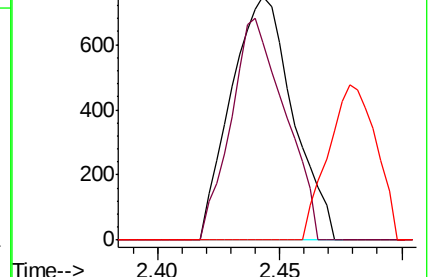
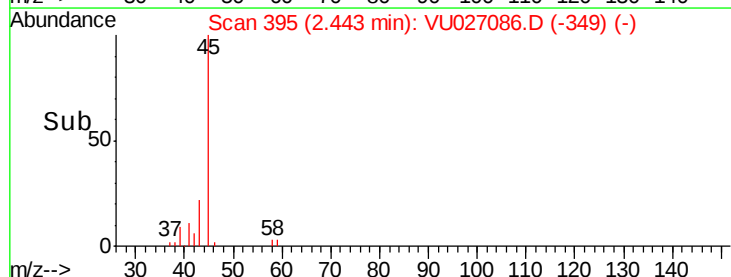
Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

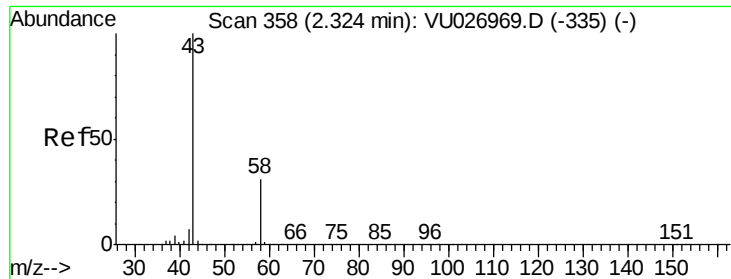
Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.44

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

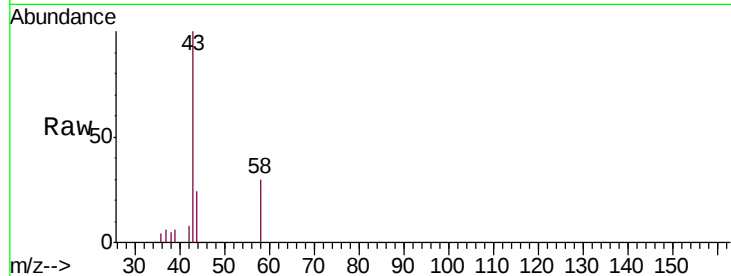
SA-SW-DUP01-20180914

Tgt Ion: 43 Resp: 4538

Ion Ratio Lower Upper

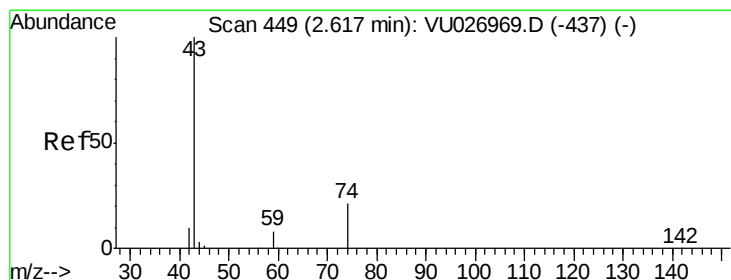
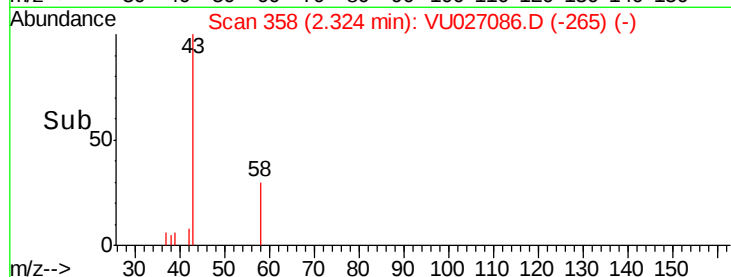
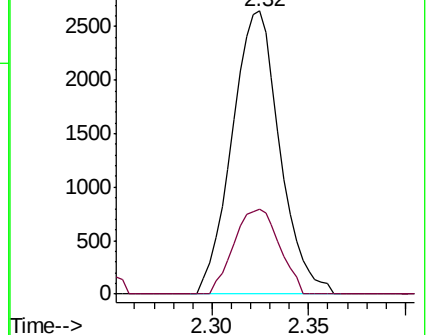
43 100

58 29.9 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) (-)



#18

Methyl Acetate

Concen: 1.140 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027086.D

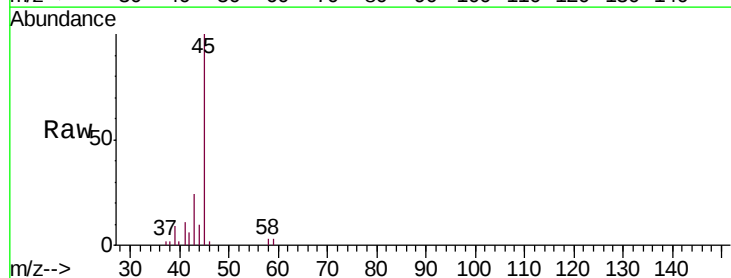
Acq: 23 Sep 2018 20:43

Tgt Ion: 43 Resp: 3295

Ion Ratio Lower Upper

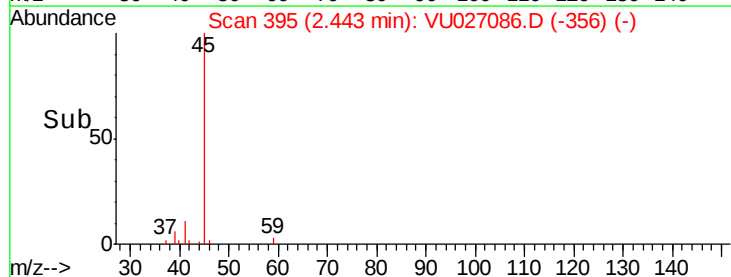
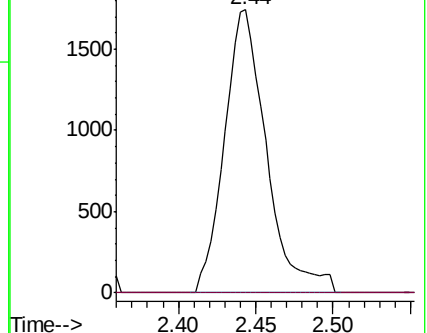
43 100

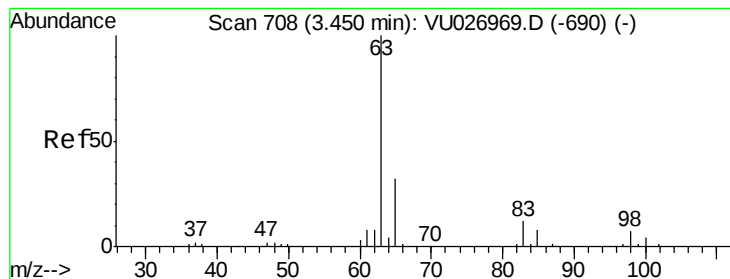
74 0.0 16.6 25.0#



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

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





#24

1,1-Dichloroethane

Concen: 0.820 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

SA-SW-DUP01-20180914

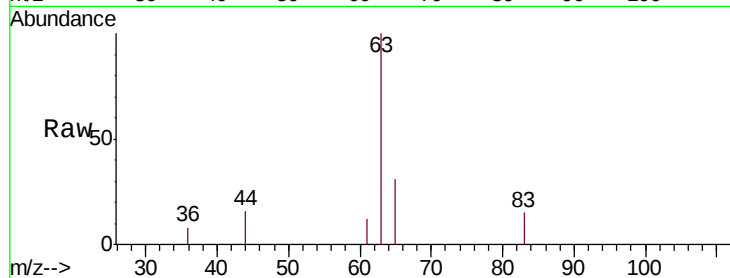
Tgt Ion: 63 Resp: 2731

Ion Ratio Lower Upper

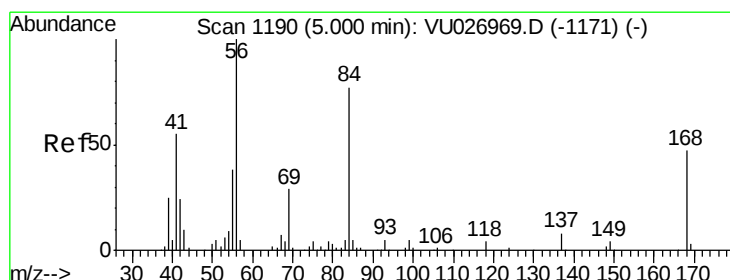
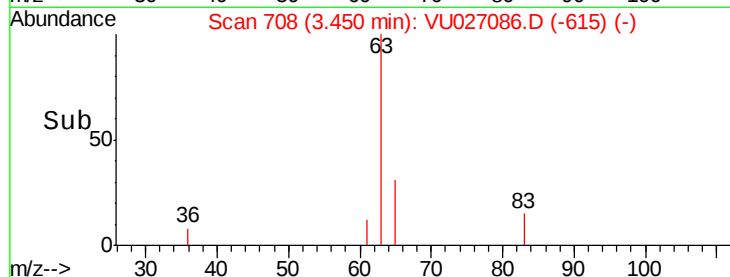
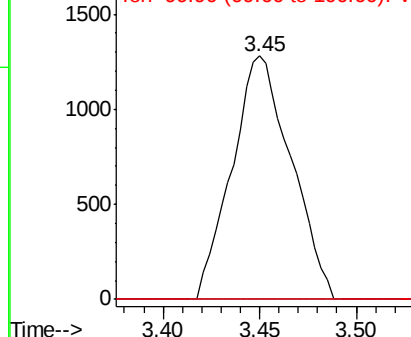
63 100

98 0.0 3.3 9.8#

100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0



#31

Cyclohexane

Concen: 0.291 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

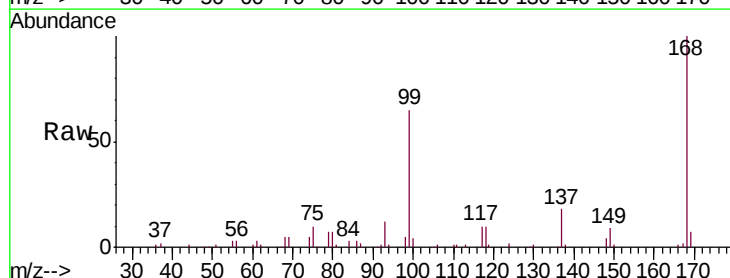
Tgt Ion: 56 Resp: 2612

Ion Ratio Lower Upper

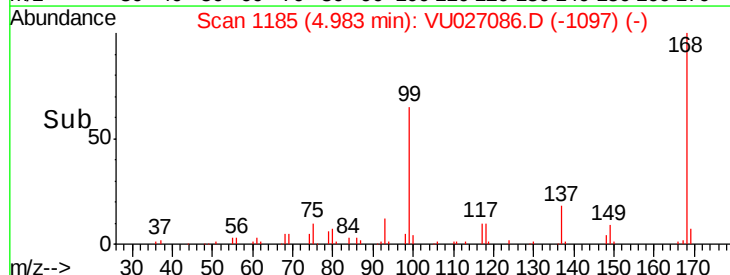
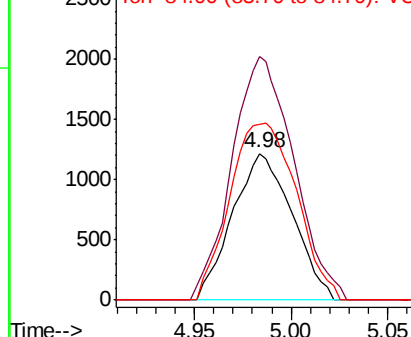
56 100

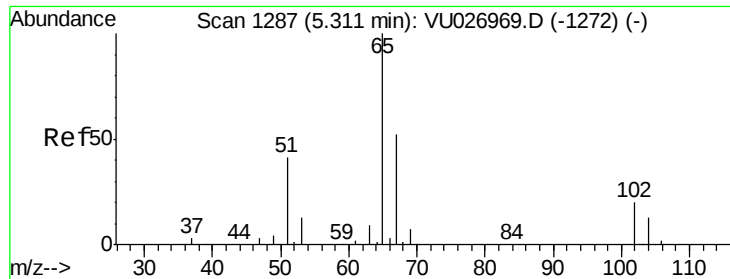
69 166.1 23.0 34.4#

84 119.6 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

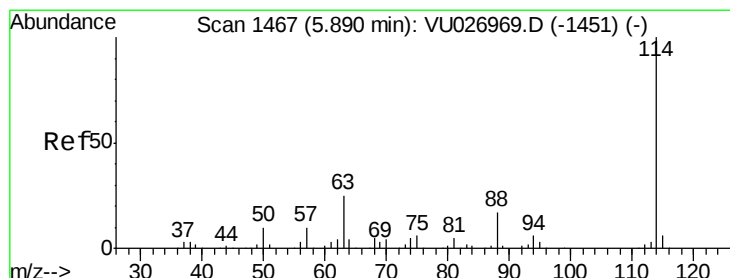
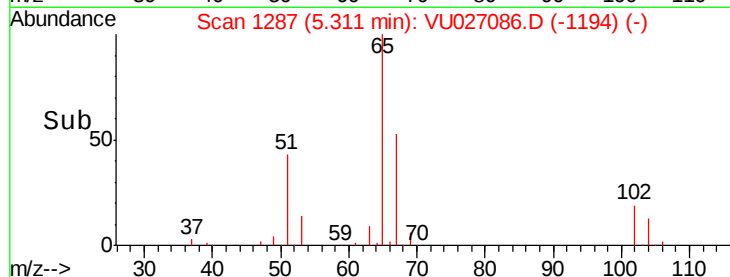
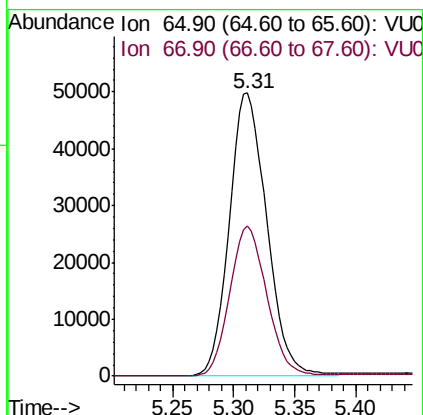
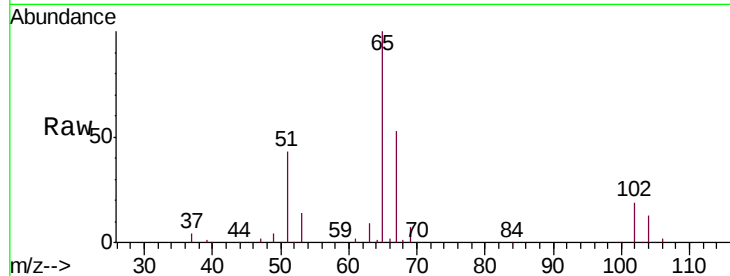




#33
 1,2-Dichloroethane-d4
 Concen: 52.433 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027086.D
 Acq: 23 Sep 2018 20:43

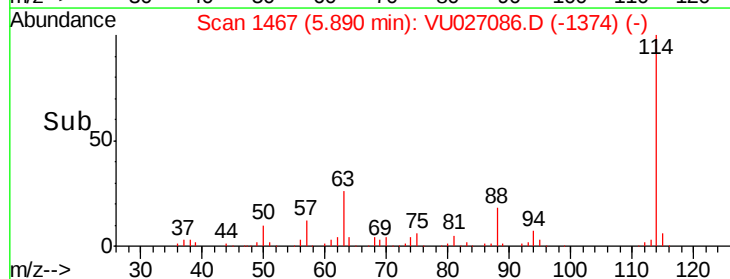
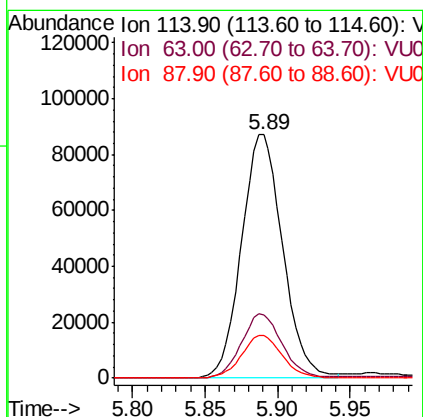
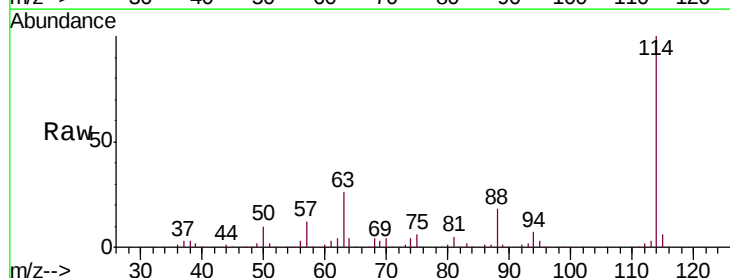
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW-DUP01-20180914

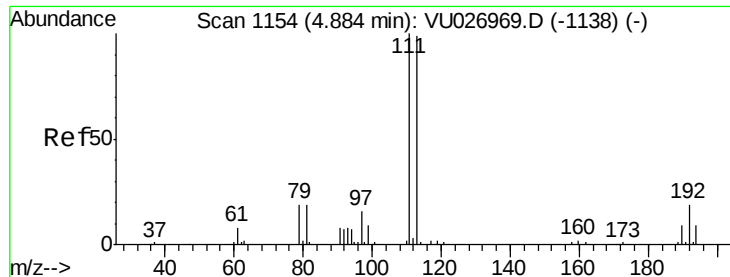
Tgt Ion: 65 Resp: 106494
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027086.D
 Acq: 23 Sep 2018 20:43

Tgt Ion: 114 Resp: 171652
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 49.2
 88 17.7 0.0 33.8

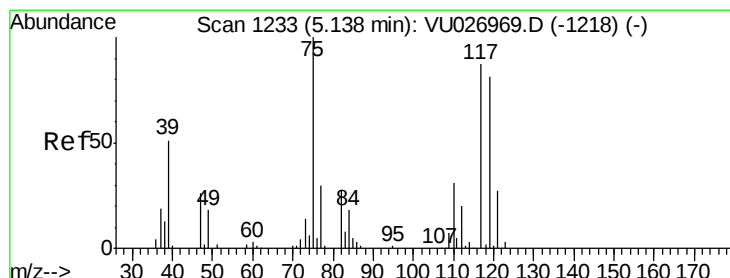
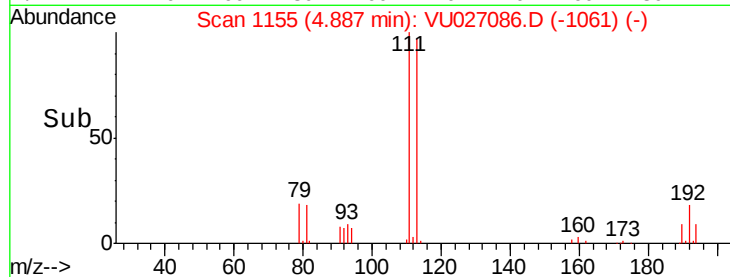
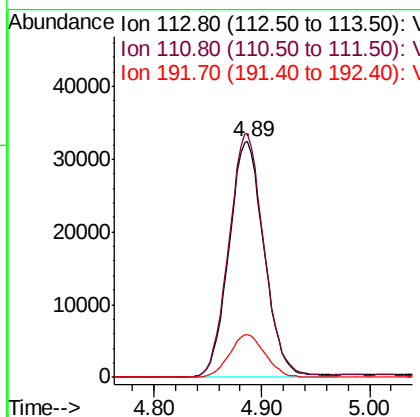
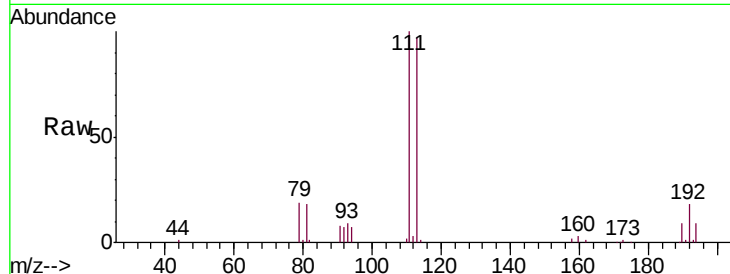




#35
 Dibromofluoromethane
 Concen: 49.803 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027086.D
 Acq: 23 Sep 2018 20:43

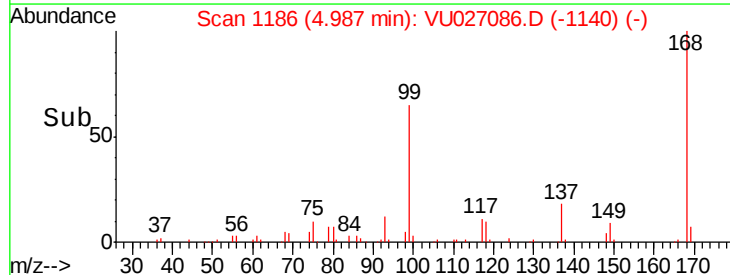
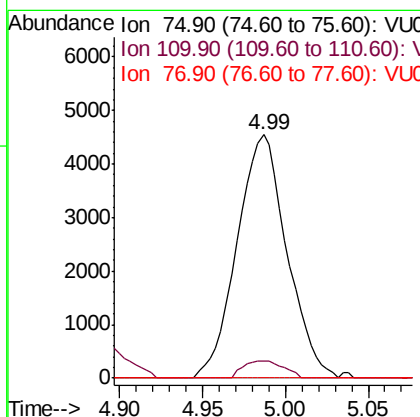
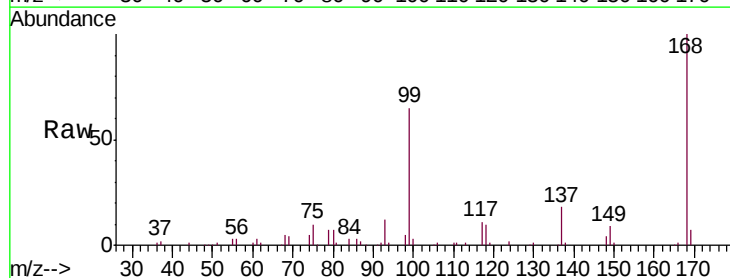
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW-DUP01-20180914

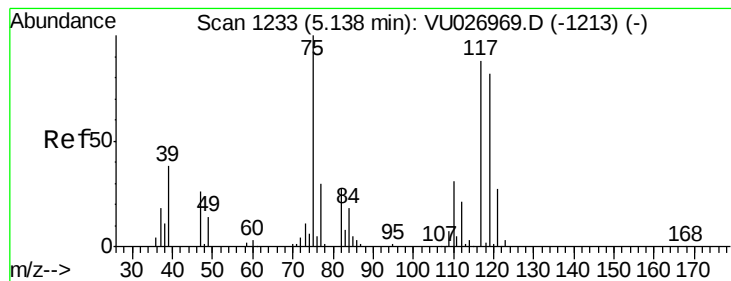
Tgt Ion:113 Resp: 74101
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 18.1 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.140 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027086.D
 Acq: 23 Sep 2018 20:43

Tgt Ion: 75 Resp: 9484
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.742 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

SA-SW-DUP01-20180914

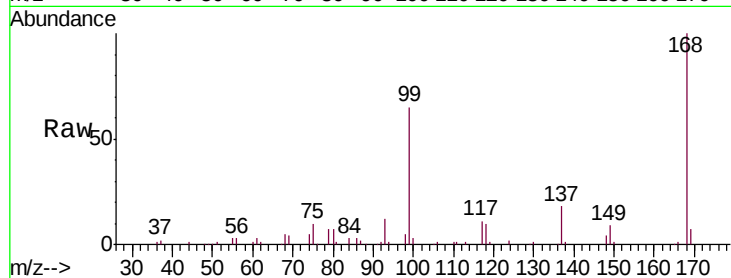
Tgt Ion:117 Resp: 10339

Ion Ratio Lower Upper

117 100

119 6.3 74.4 111.6#

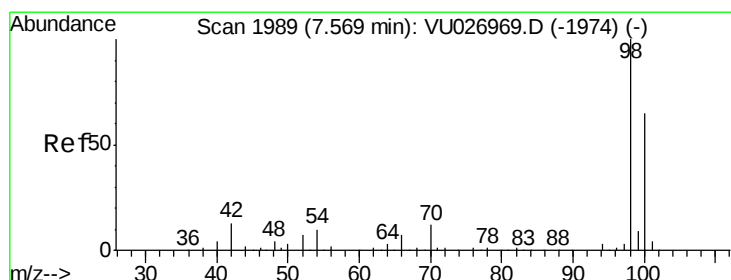
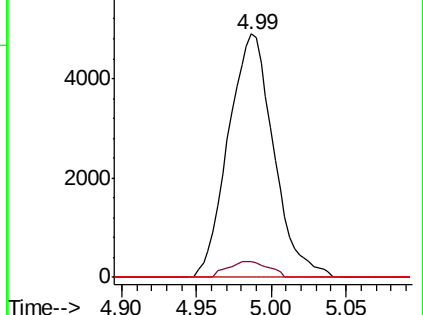
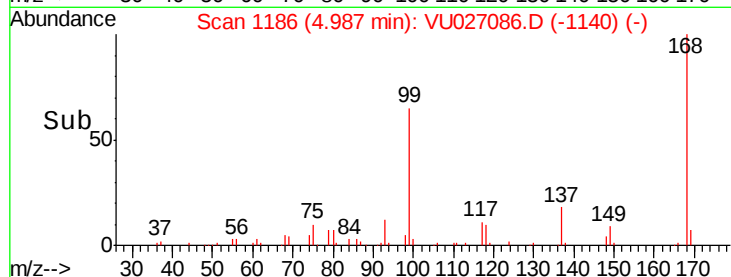
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.399 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027086.D

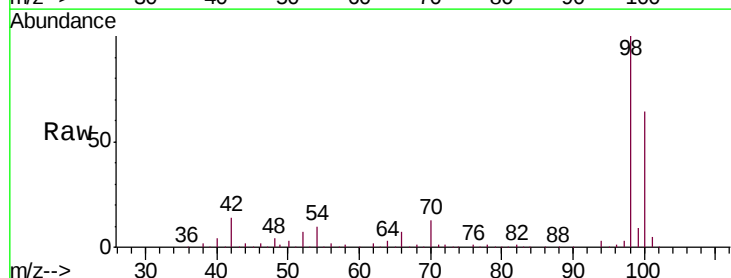
Acq: 23 Sep 2018 20:43

Tgt Ion: 98 Resp: 280111

Ion Ratio Lower Upper

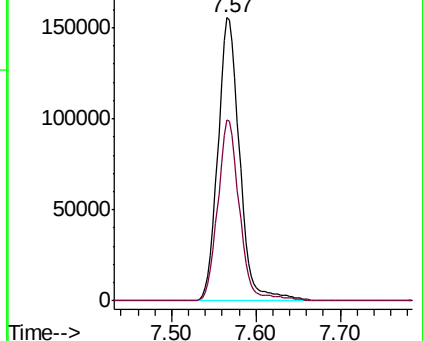
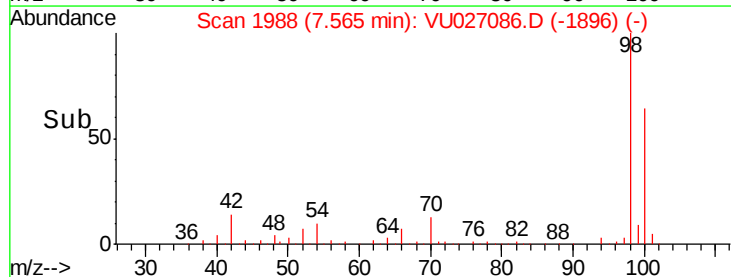
98 100

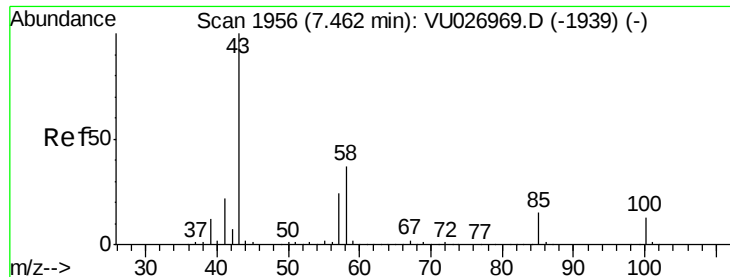
100 63.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.423 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

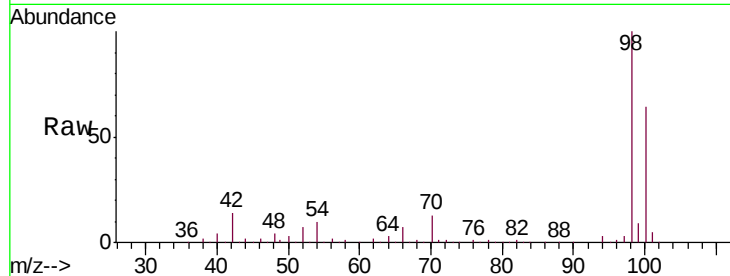
SA-SW-DUP01-20180914

Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

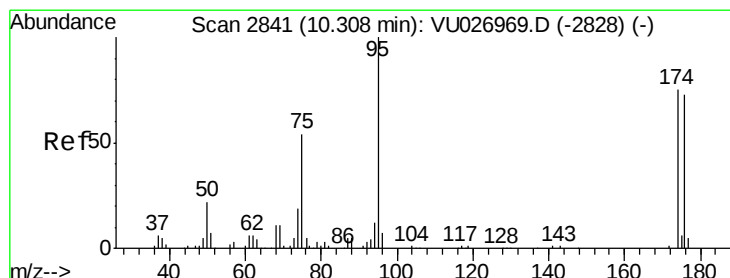
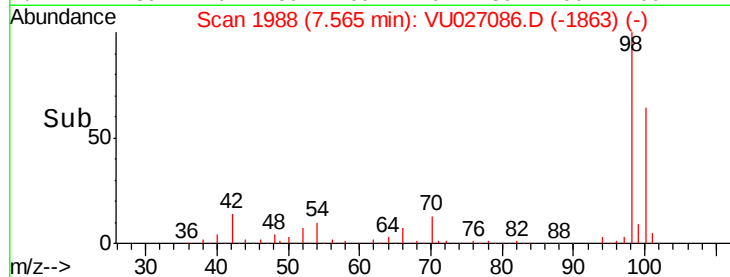
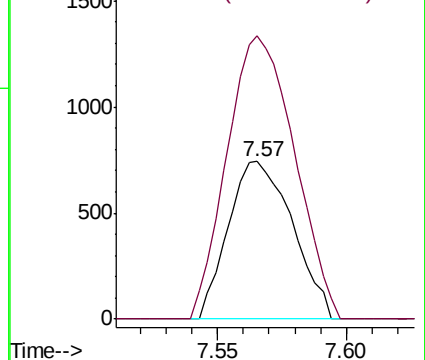
43 100

58 189.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 46.476 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

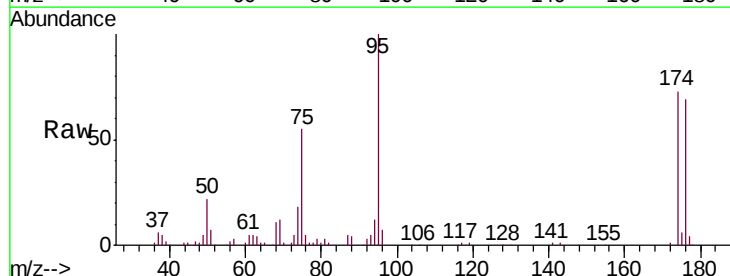
Tgt Ion: 95 Resp: 90428

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.2

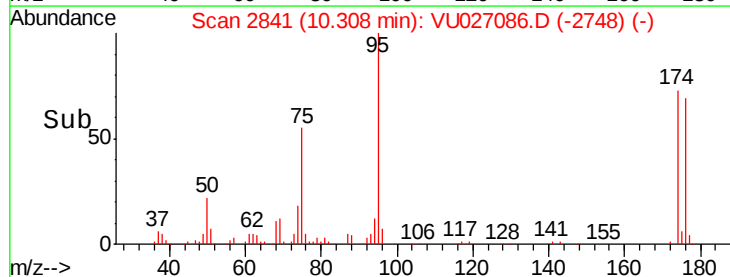
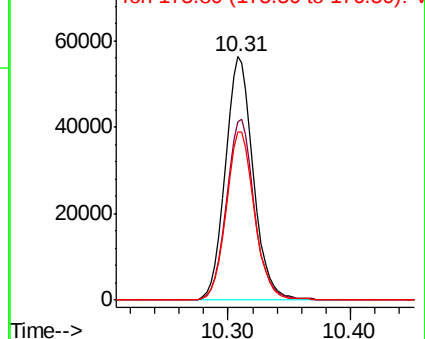
176 70.1 0.0 145.2

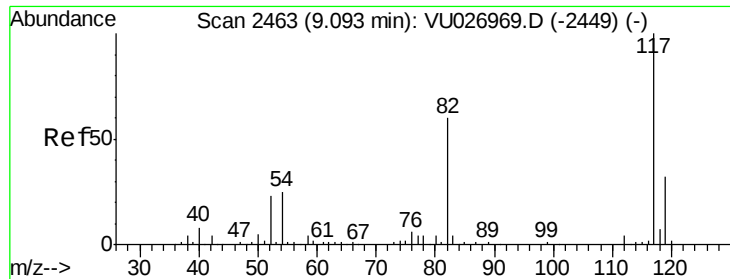


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

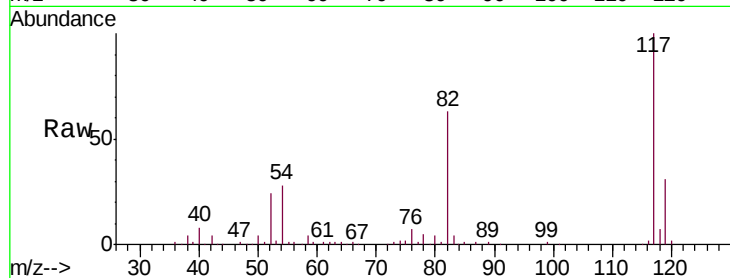




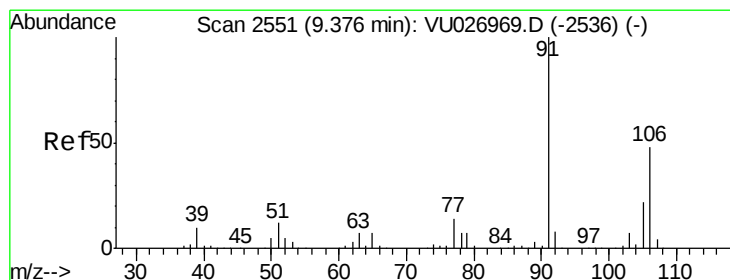
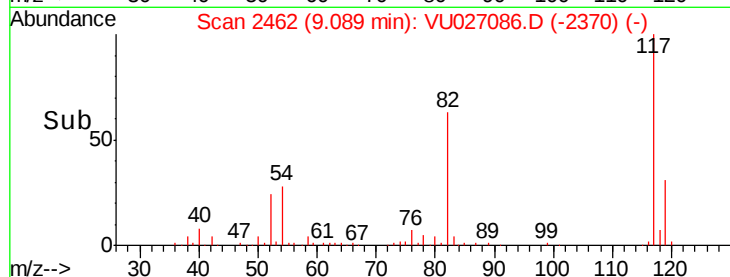
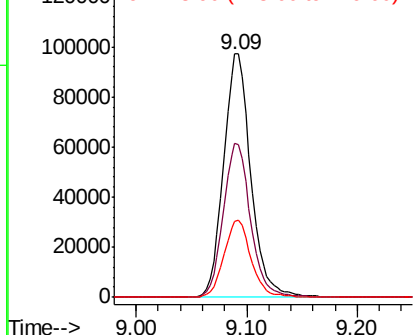
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

Instrument :
MSVOA_U
ClientSampleId :
SA-SW-DUP01-20180914

Tgt Ion:117 Resp: 166681
Ion Ratio Lower Upper
117 100
82 63.0 48.0 72.0
119 31.3 25.8 38.8

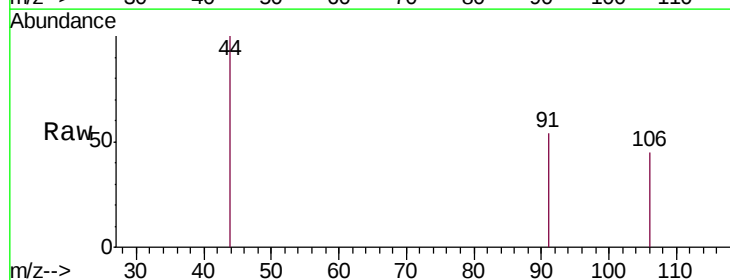


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

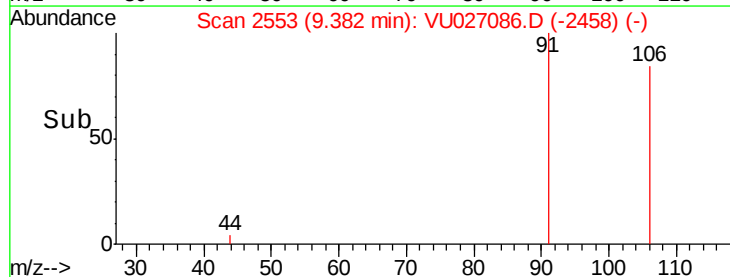
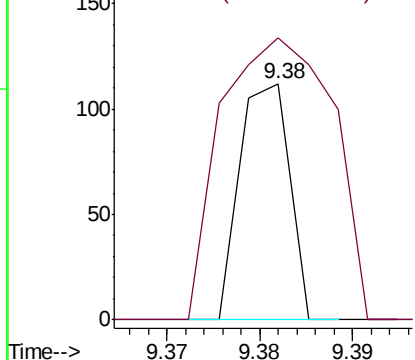


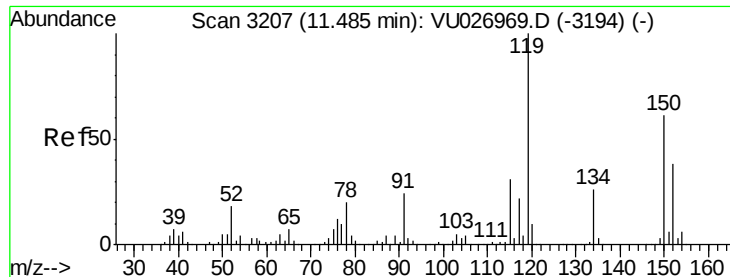
#68
m/p-Xylenes
Concen: 1.515 ug/l
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

Tgt Ion:106 Resp: 42
Ion Ratio Lower Upper
106 100
91 266.7 166.5 249.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



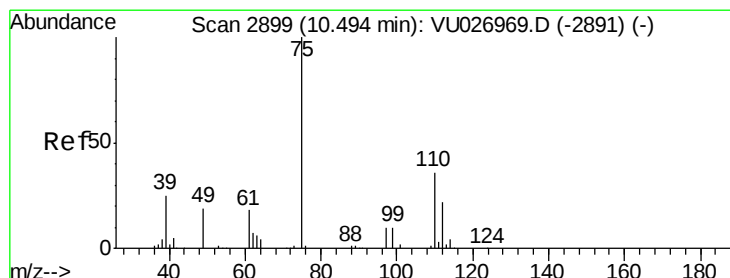
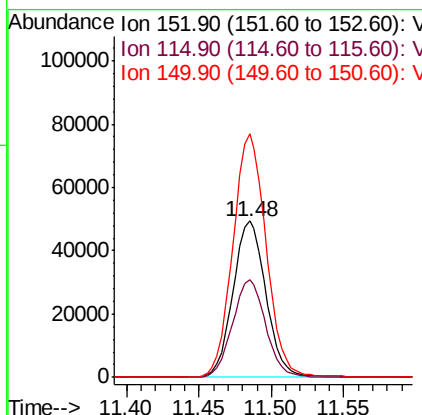
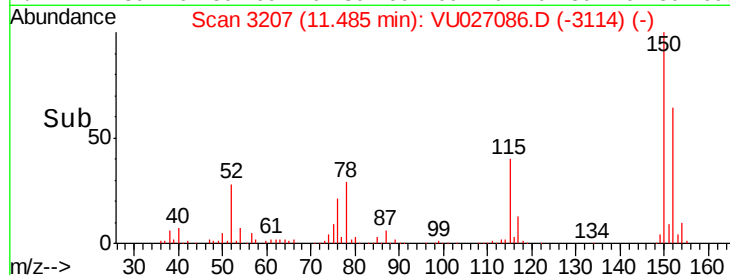
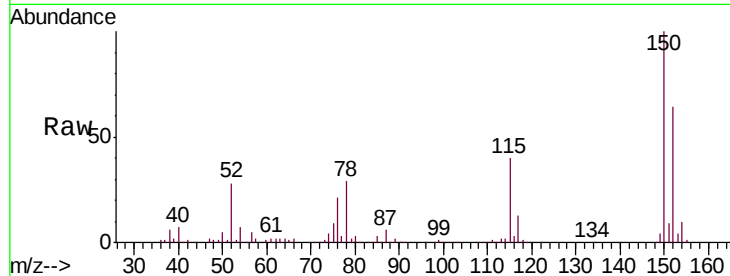


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

Instrument :
MSVOA_U
ClientSampleId :
SA-SW-DUP01-20180914

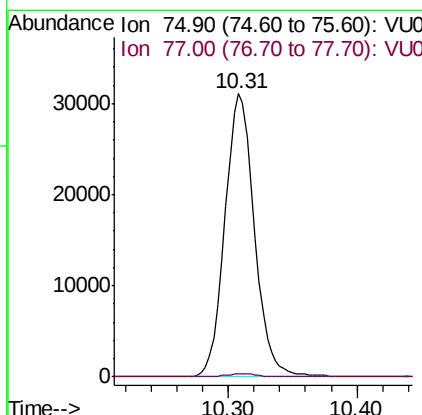
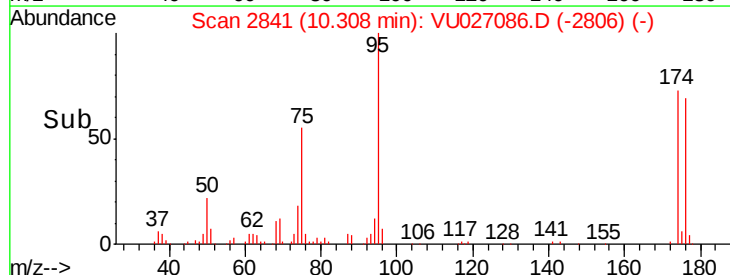
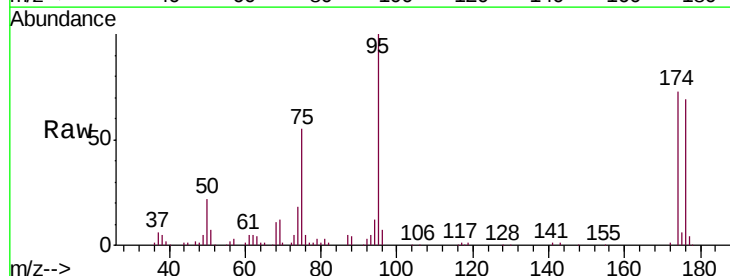
Tgt Ion:152 Resp: 77684
Ion Ratio Lower Upper
152 100
115 62.7 44.9 134.5
150 157.7 0.0 355.8

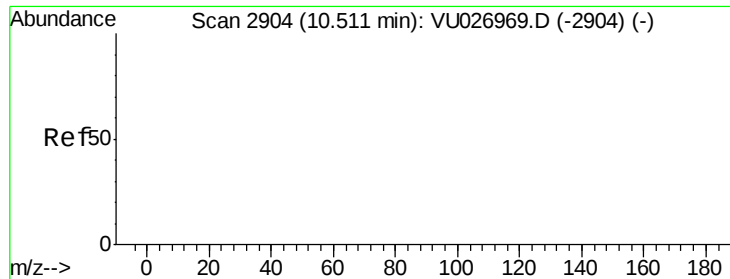


#76

1,2,3-Trichloropropane
Concen: 20.907 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

Tgt Ion: 75 Resp: 49341
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.8#

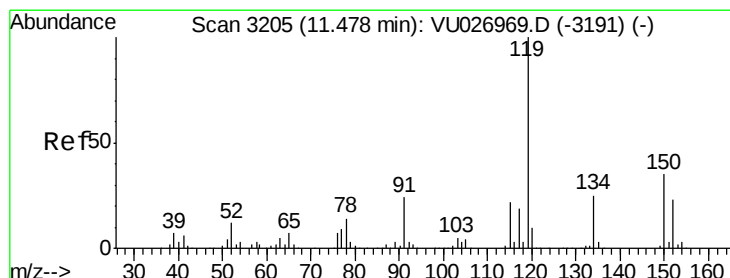
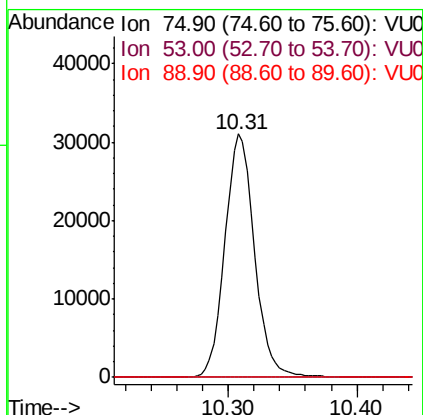
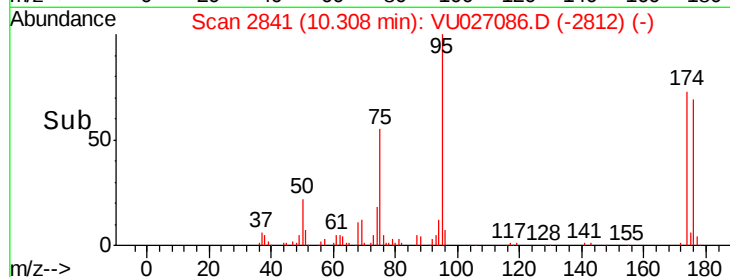
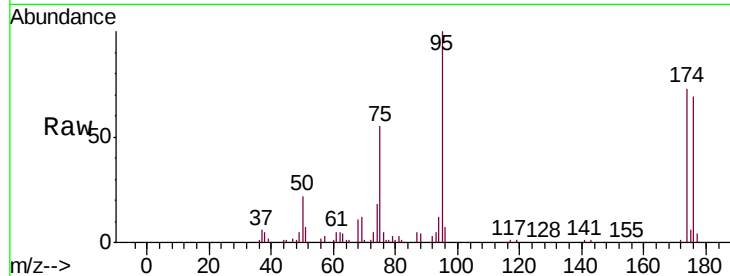




#81
trans-1,4-Dichloro-2-butene
Concen: 66.906 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

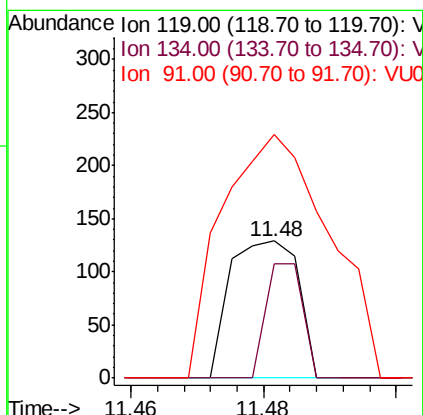
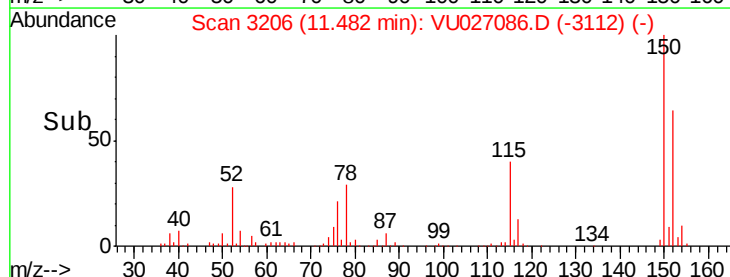
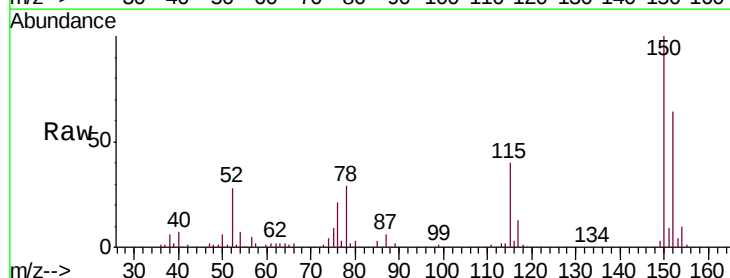
Instrument :
MSVOA_U
ClientSampleId :
SA-SW-DUP01-20180914

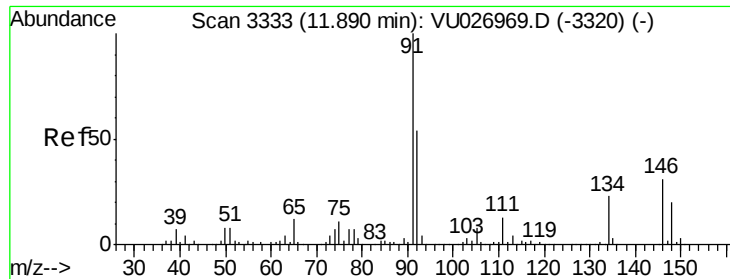
Tgt Ion: 75 Resp: 49341
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.944 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027086.D
Acq: 23 Sep 2018 20:43

Tgt Ion: 119 Resp: 93
Ion Ratio Lower Upper
119 100
134 44.1 12.8 38.3#
91 277.4 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.430 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

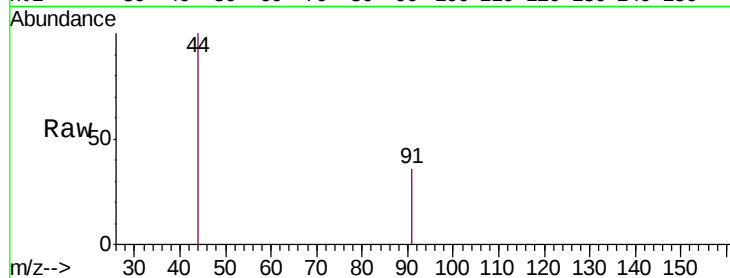
Instrument :

MSVOA_U

ClientSampleId :

SA-SW-DUP01-20180914

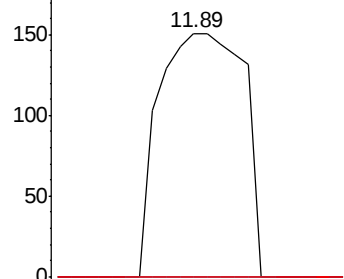
Tgt Ion:	91	Resp:	210
Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.1	81.2#
134	0.0	11.7	35.0#



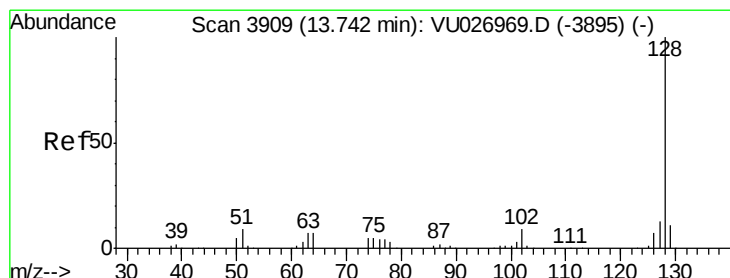
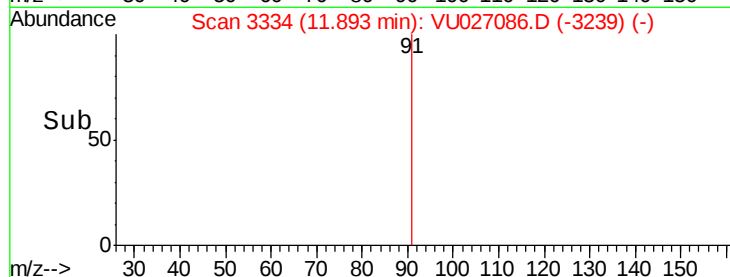
Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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



Time--> 11.86 11.88 11.90 11.92



#95

Naphthalene

Concen: 1.703 ug/l

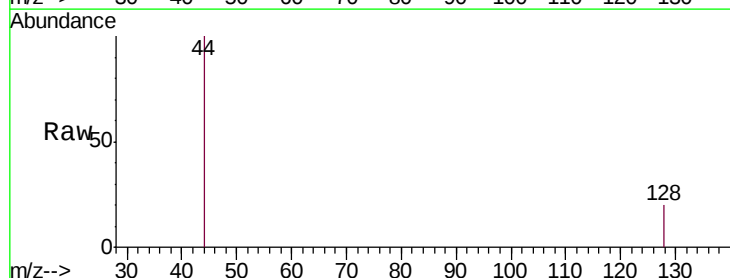
RT: 13.77 min Scan# 3919

Delta R.T. 0.03 min

Lab File: VU027086.D

Acq: 23 Sep 2018 20:43

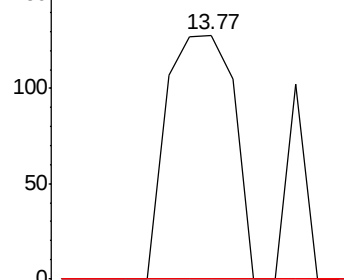
Tgt Ion:	128	Resp:	90
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#



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) (-)



Time--> 13.76 13.78

