

Data File : VU027128.D
Acq On : 25 Sep 2018 12:47
Operator : MD/SY
Sample : VIBLK
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Quant Time: Sep 26 01:45:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 01:42:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	176931	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168151	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78505	49.88	ug/L	0.00
7) Chloroethane-d5	1.68	69	63596	51.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	111904	37.38	ug/L	0.00
21) 2-Butanone-d5	4.18	46	133626	104.40	ug/L	0.00
24) Chloroform-d	4.65	84	112492	44.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	89169	49.78	ug/L	0.00
32) Benzene-d6	5.34	84	261309	52.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	93623	52.79	ug/L	0.00
41) Toluene-d8	7.57	98	223255	50.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	41100	51.89	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	91246	106.60	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116231	48.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	73373	53.46	ug/L	0.00

Target Compounds

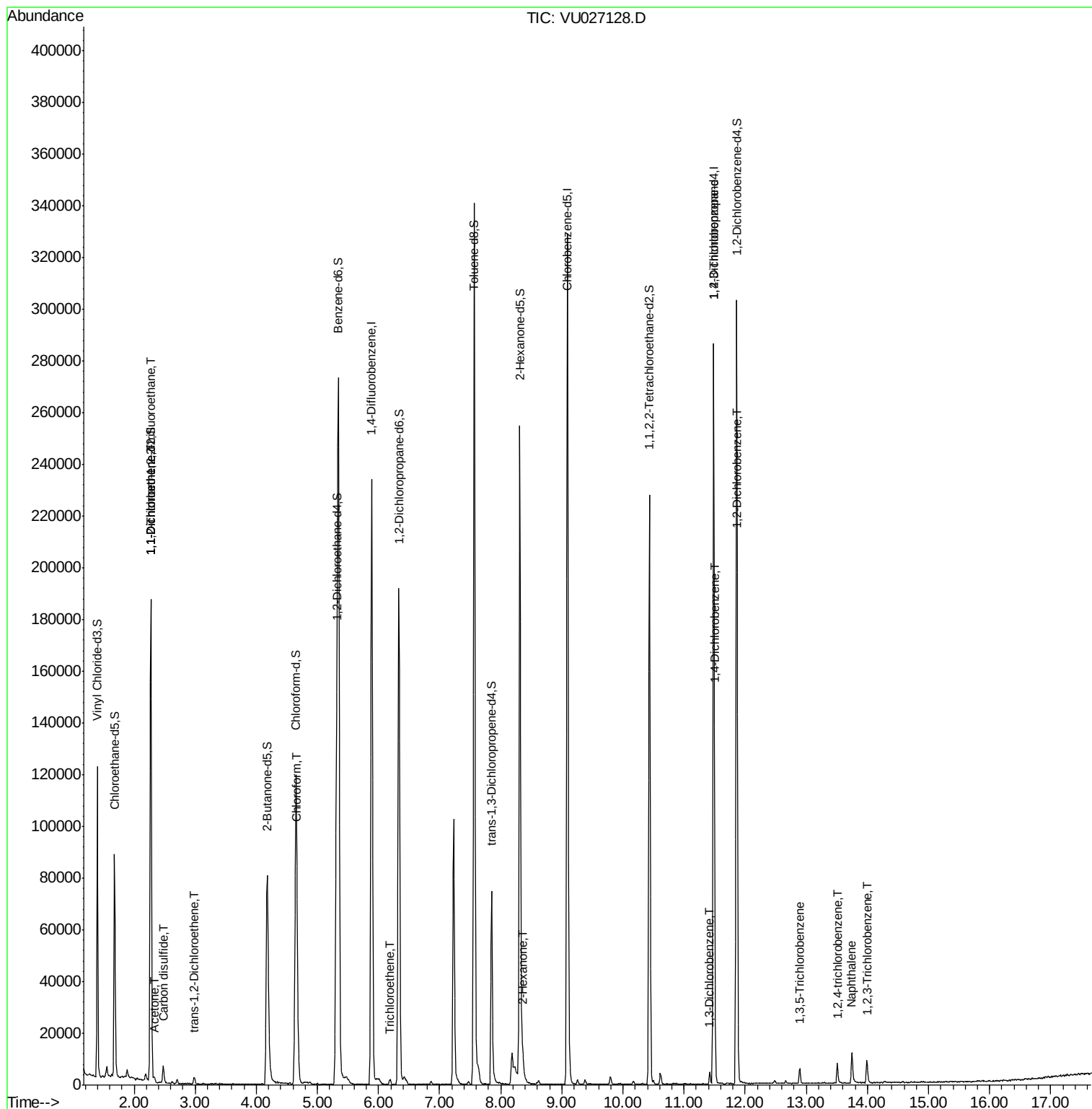
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	991	0.786	ug/L #	22
12) 1,1-Dichloroethene	2.28	96	1049	0.899	ug/L #	1
13) Acetone	2.32	43	717	0.607	ug/L #	45
14) Carbon disulfide	2.48	76	7715	1.899	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	568	0.446	ug/L	84
25) Chloroform	4.67	83	16201	5.908	ug/L	98
34) Trichloroethene	6.20	95	661	0.502	ug/L #	86
48) 2-Hexanone	8.37	43	3152	1.522	ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	10618	5.257	ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	2161	1.035	ug/L	89
63) 1,4-Dichlorobenzene	11.51	146	3149	1.421	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	1918	0.850	ug/L #	72
67) 1,3,5-Trichlorobenzene	12.89	180	2006	1.316	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	2989	2.305	ug/L #	91
69) Naphthalene	13.75	128	11754	2.669	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	3654	2.565	ug/L	94

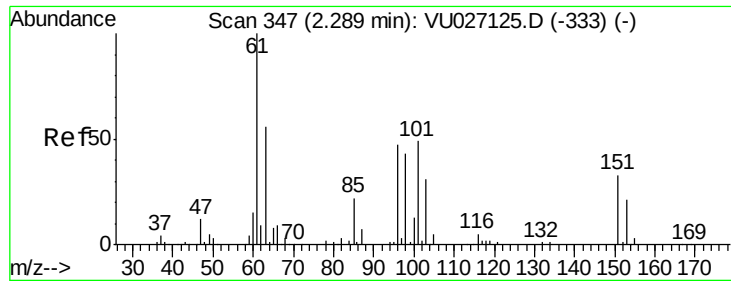
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.786 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

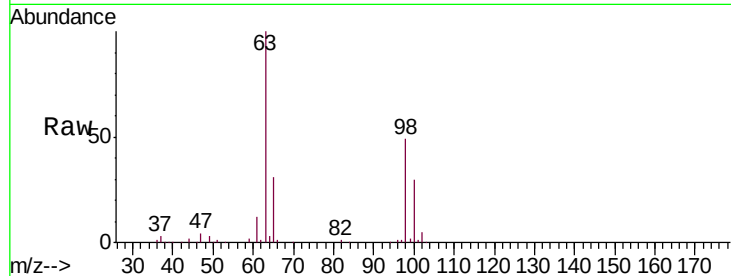
Tgt Ion: 101 Resp: 991

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

151 0.0 53.5 80.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.27

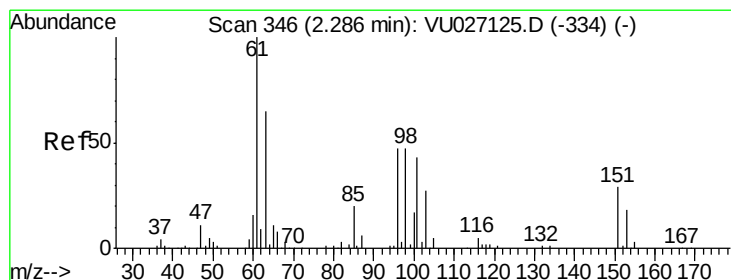
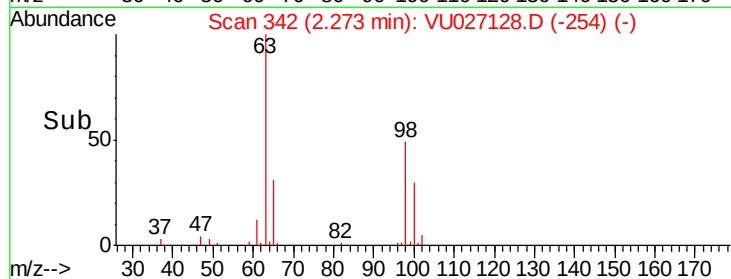
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.899 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

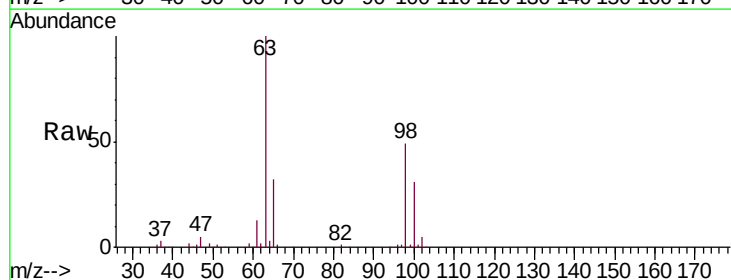
Tgt Ion: 96 Resp: 1049

Ion Ratio Lower Upper

96 100

61 1245.8 150.0 278.6#

63 9518.7 101.8 189.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

100000

80000

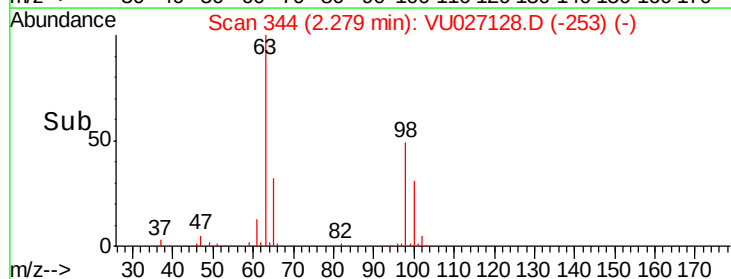
60000

40000

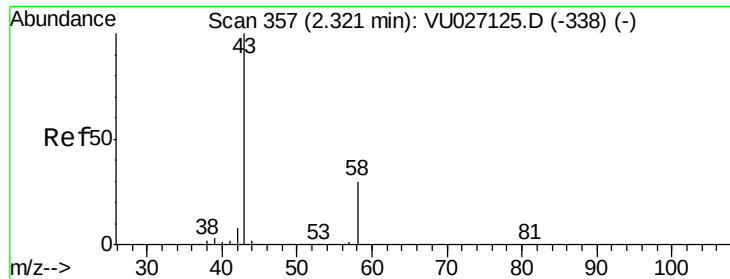
20000

0

Time-->



2.28



#13

Acetone

Concen: 0.607 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

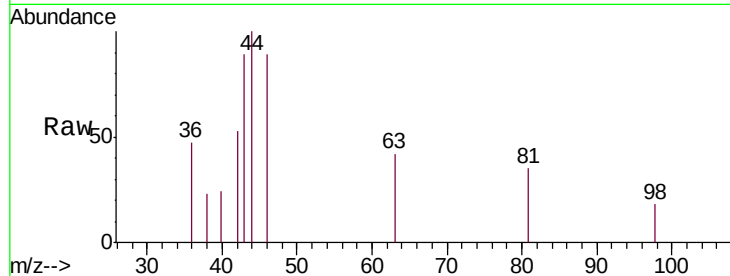
VIBLK

Tgt Ion: 43 Resp: 717

Ion Ratio Lower Upper

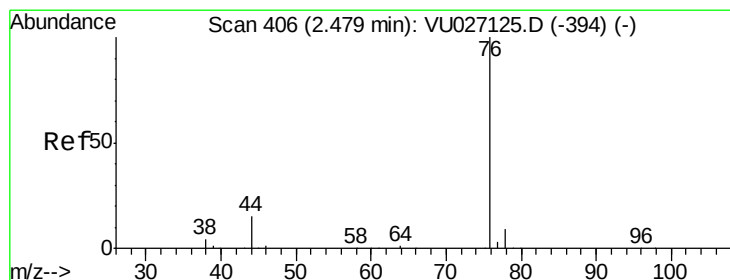
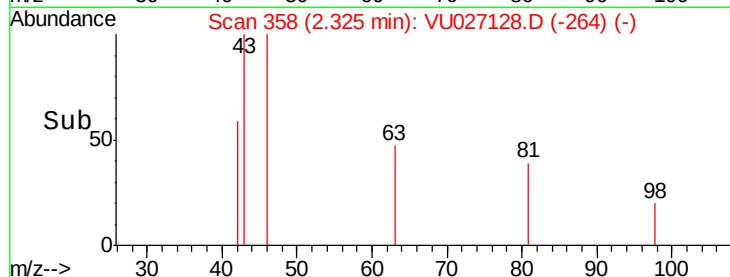
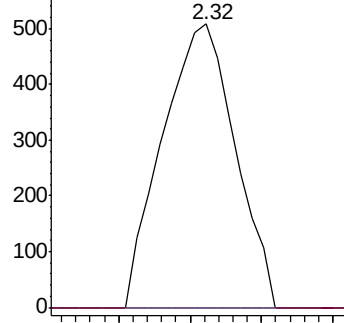
43 100

58 0.0 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 1.899 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027128.D

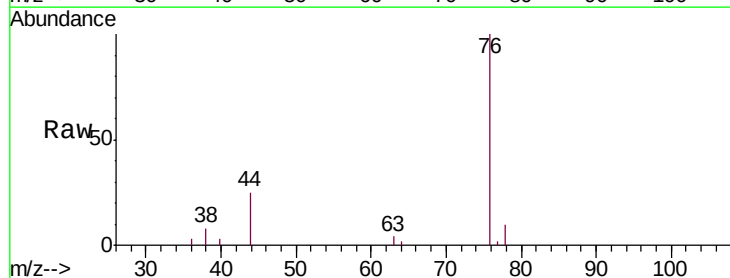
Acq: 25 Sep 2018 12:47

Tgt Ion: 76 Resp: 7715

Ion Ratio Lower Upper

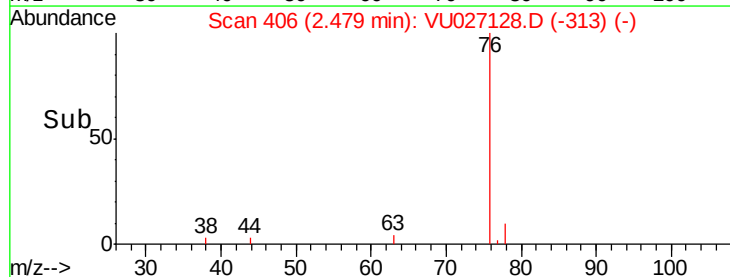
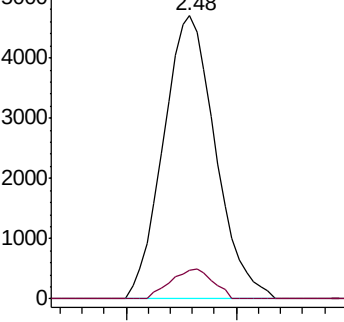
76 100

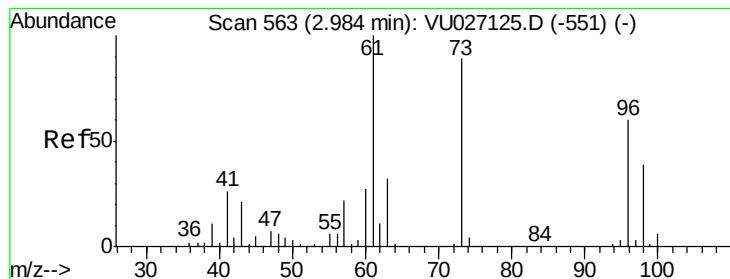
78 10.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 0.446 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

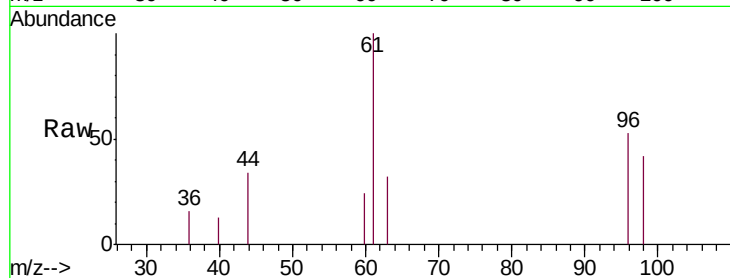
Tgt Ion: 96 Resp: 568

Ion Ratio Lower Upper

96 100

61 188.2 117.2 217.8

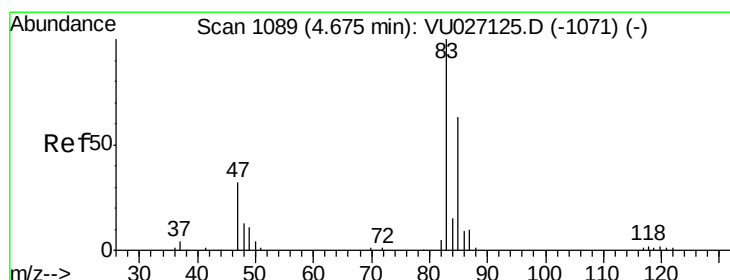
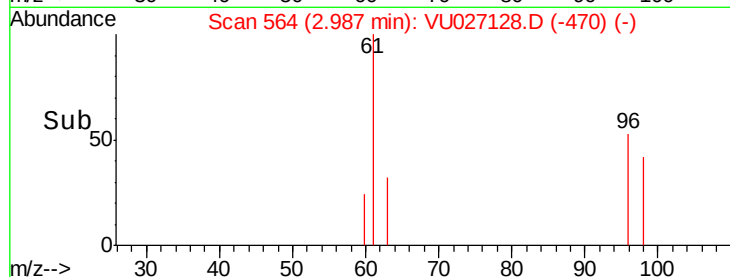
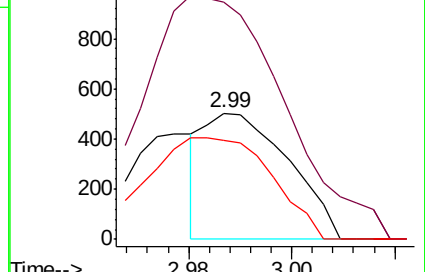
98 78.3 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VU027128.D (-551) (-)

Ion 61.00 (60.70 to 61.70): VU027128.D (-551) (-)

Ion 98.00 (97.70 to 98.70): VU027128.D (-551) (-)



#25

Chloroform

Concen: 5.908 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027128.D

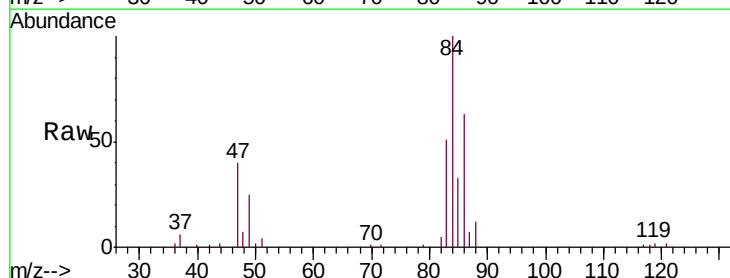
Acq: 25 Sep 2018 12:47

Tgt Ion: 83 Resp: 16201

Ion Ratio Lower Upper

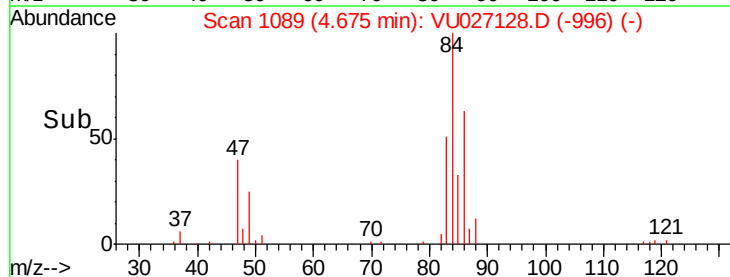
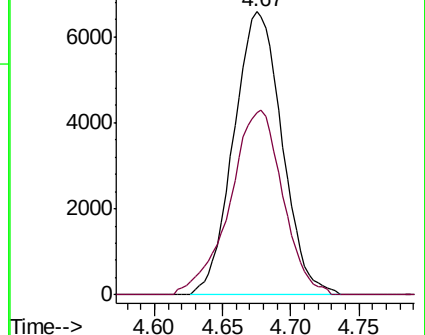
83 100

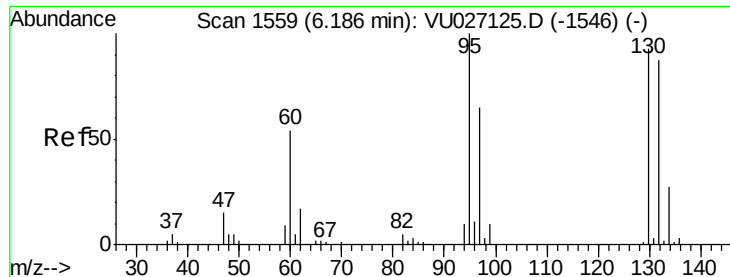
85 64.6 44.0 81.6



Abundance Ion 83.00 (82.70 to 83.70): VU027128.D (-1071) (-)

Ion 85.00 (84.70 to 85.70): VU027128.D (-1071) (-)





#34

Trichloroethene

Concen: 0.502 ug/L

RT: 6.20 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 95 Resp: 661

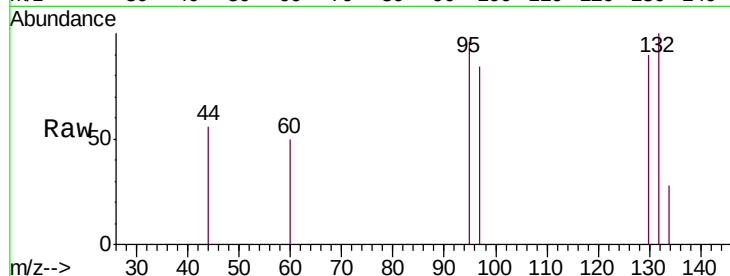
Ion Ratio Lower Upper

95 100

97 86.9 45.4 84.2#

132 103.7 61.1 113.5

130 92.9 65.0 120.6



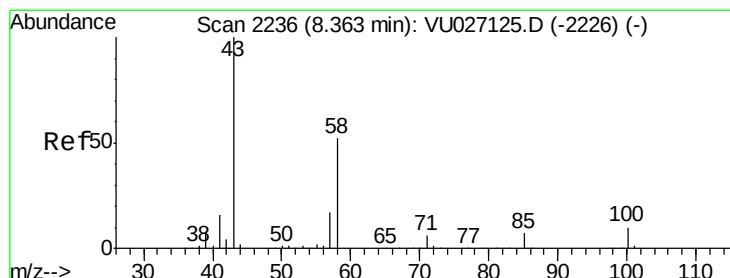
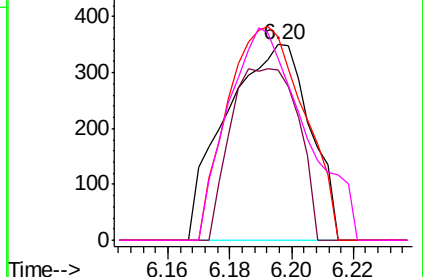
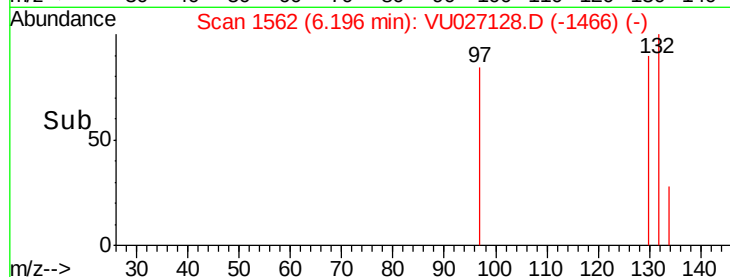
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#48

2-Hexanone

Concen: 1.522 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Tgt Ion: 43 Resp: 3152

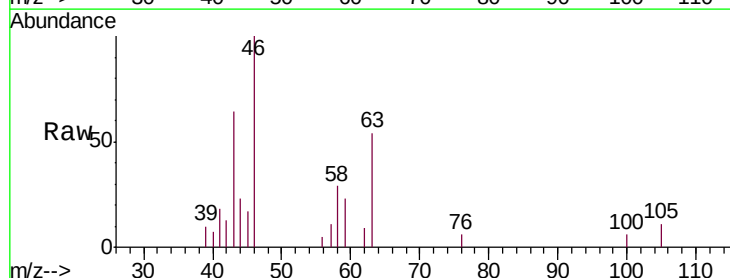
Ion Ratio Lower Upper

43 100

58 34.5 41.9 62.9#

57 18.7 13.8 20.8

100 4.6 7.4 11.0#



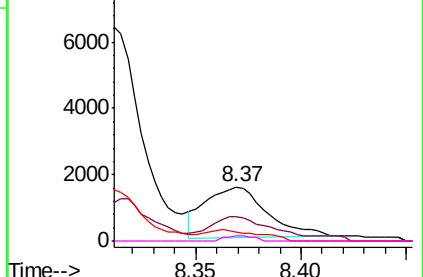
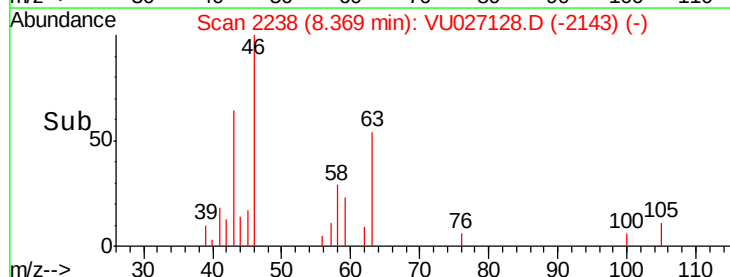
Abundance Ion 43.00 (42.70 to 43.70): VU0

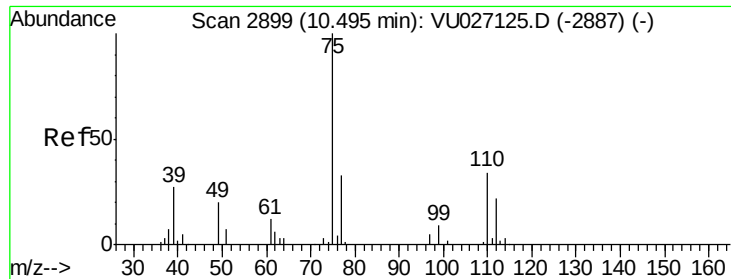
Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->

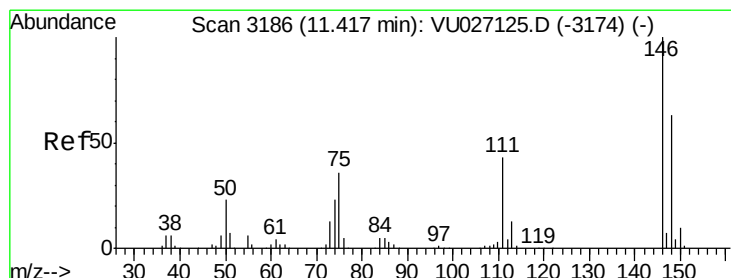
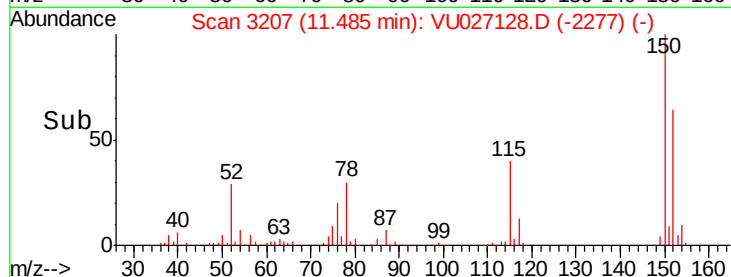
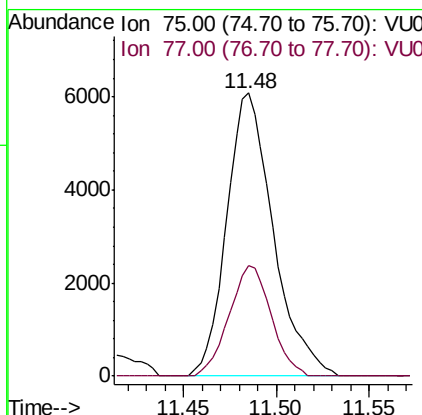
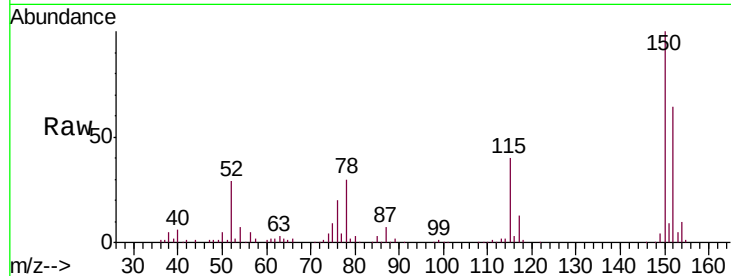




#59
 1,2,3-Trichloropropane
 Concen: 5.257 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027128.D
 Acq: 25 Sep 2018 12:47

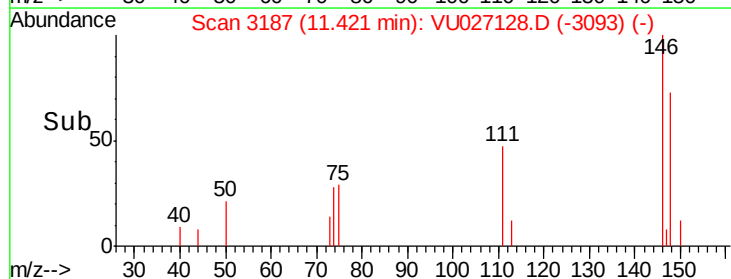
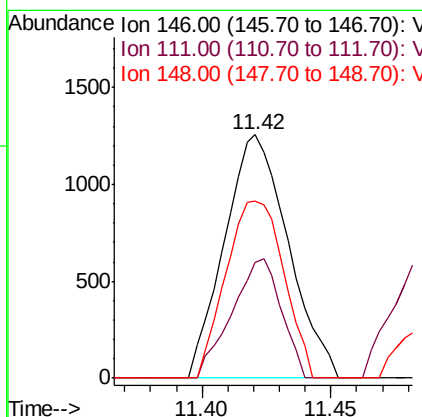
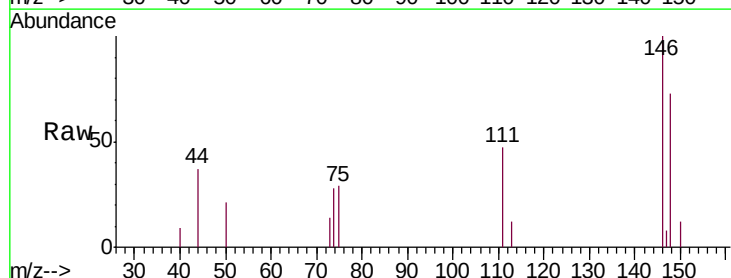
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

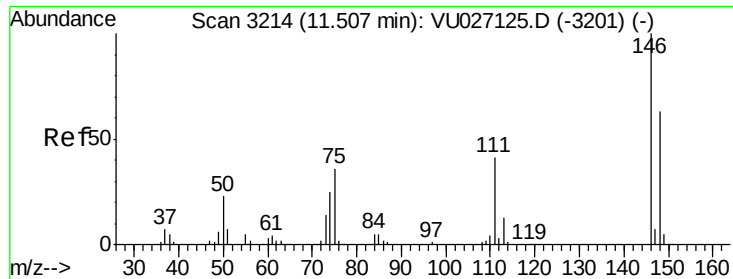
Tgt Ion: 75 Resp: 10618
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.6 38.4



#62
 1,3-Dichlorobenzene
 Concen: 1.035 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027128.D
 Acq: 25 Sep 2018 12:47

Tgt Ion: 146 Resp: 2161
 Ion Ratio Lower Upper
 146 100
 111 47.5 30.0 55.6
 148 72.9 43.9 81.5





#63

1,4-Dichlorobenzene

Concen: 1.421 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

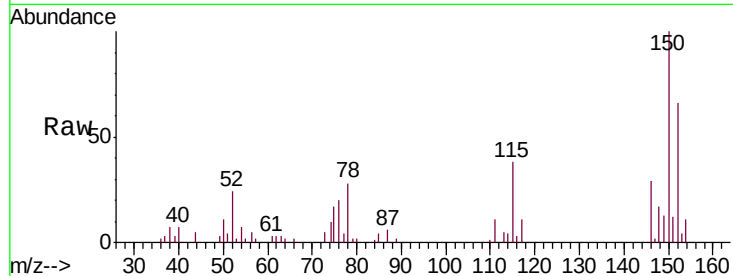
Tgt Ion:146 Resp: 3149

Ion Ratio Lower Upper

146 100

111 39.3 28.5 52.9

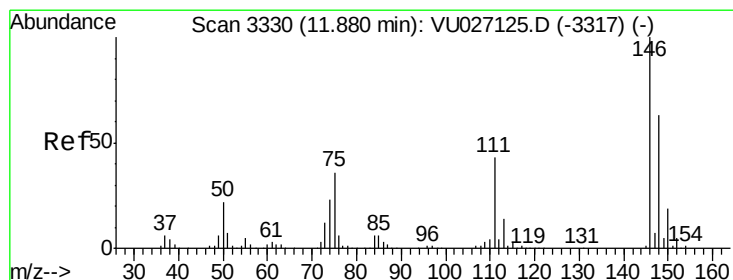
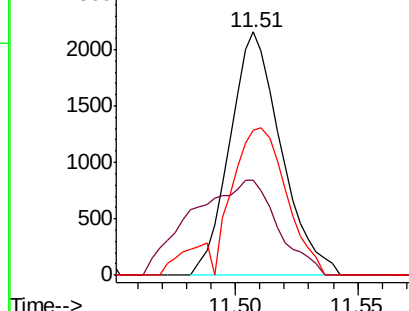
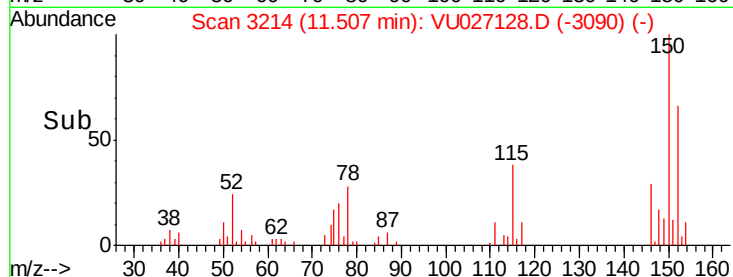
148 59.8 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.850 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

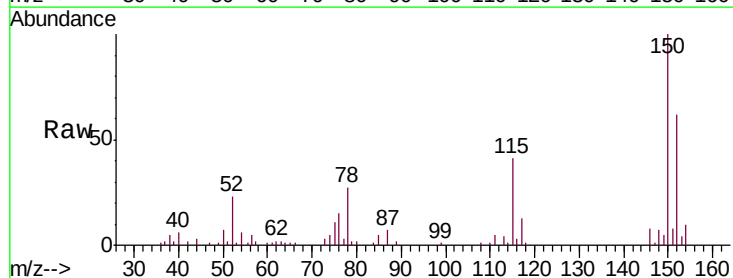
Tgt Ion:146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 61.1 34.3 51.5#

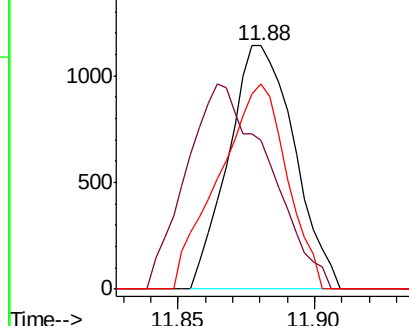
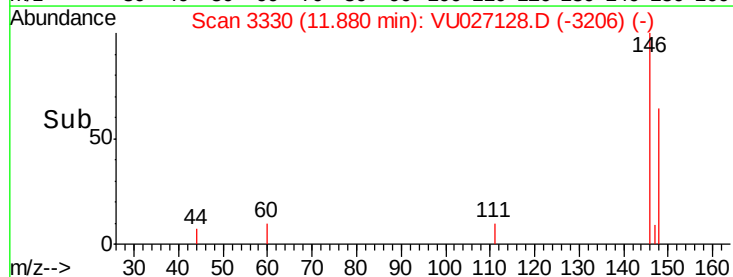
148 84.2 50.1 75.1#

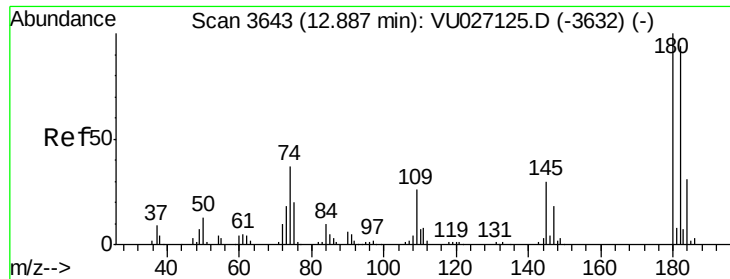


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

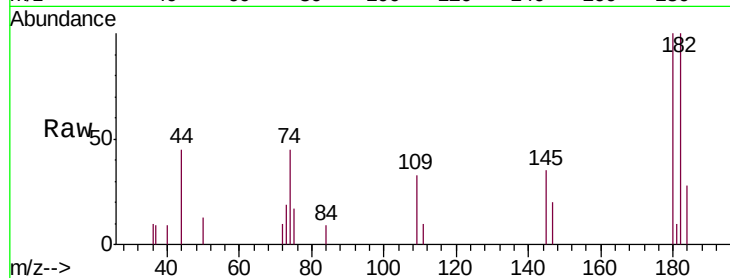




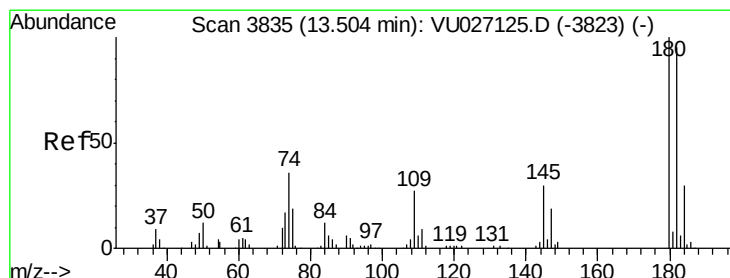
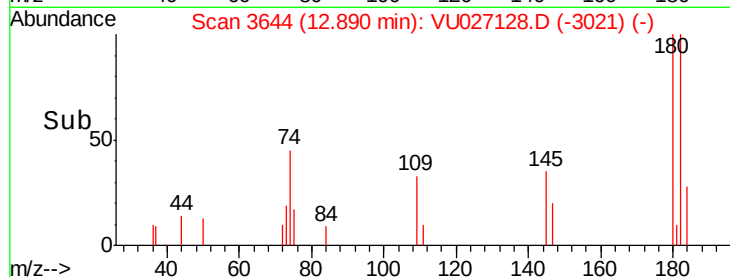
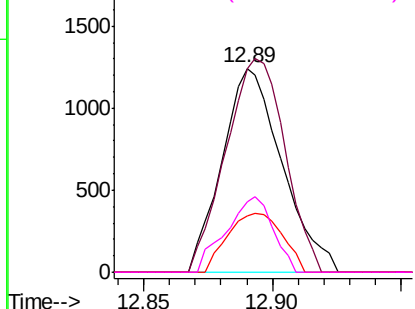
#67
 1,3,5-Trichlorobenzene
 Concen: 1.316 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027128.D
 Acq: 25 Sep 2018 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 2006
 Ion Ratio Lower Upper
 180 100
 182 103.3 76.3 114.5
 184 26.4 24.6 37.0
 145 29.0 23.6 35.4

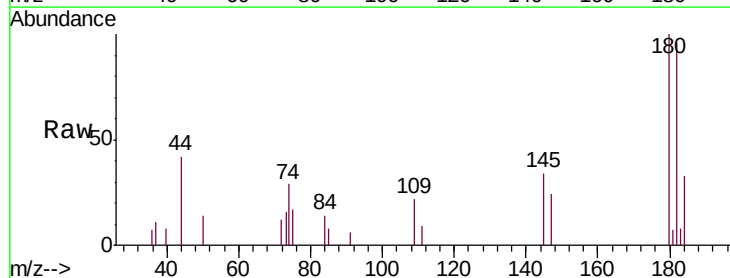


Abundance Ion 180.00 (179.70 to 180.70): V
 2000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

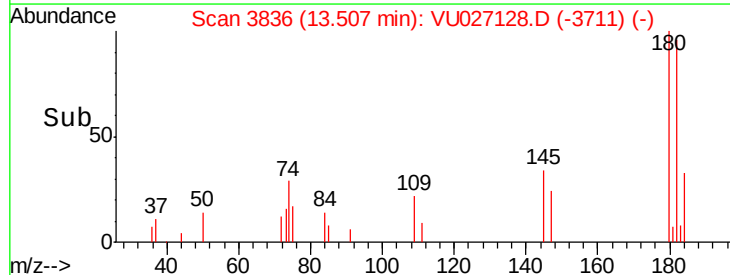
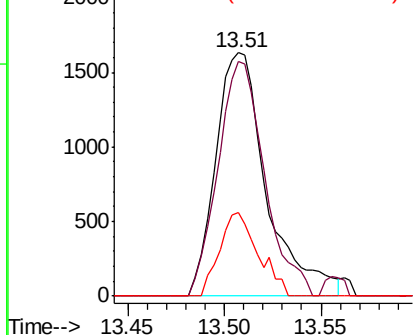


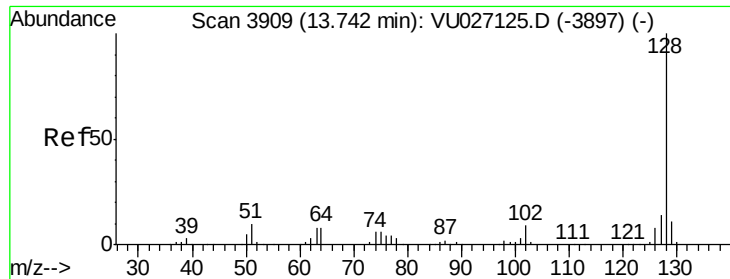
#68
 1,2,4-trichlorobenzene
 Concen: 2.305 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027128.D
 Acq: 25 Sep 2018 12:47

Tgt Ion:180 Resp: 2989
 Ion Ratio Lower Upper
 180 100
 182 88.1 76.4 114.6
 145 22.8 24.3 36.5#



Abundance Ion 180.00 (179.70 to 180.70): V
 2000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 2.669 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

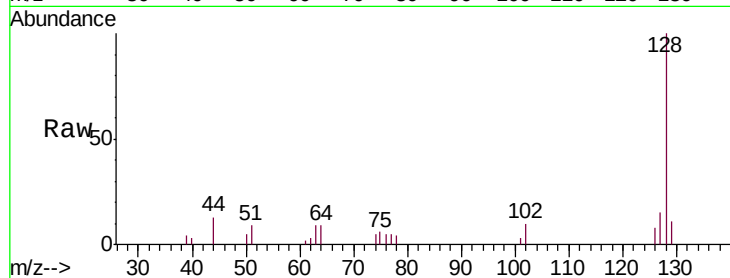
Tgt Ion:128 Resp: 11754

Ion Ratio Lower Upper

128 100

127 11.7 10.7 16.1

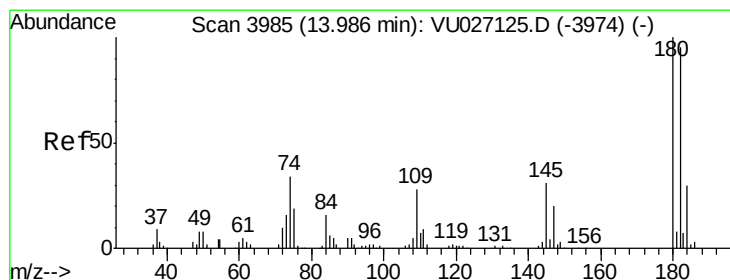
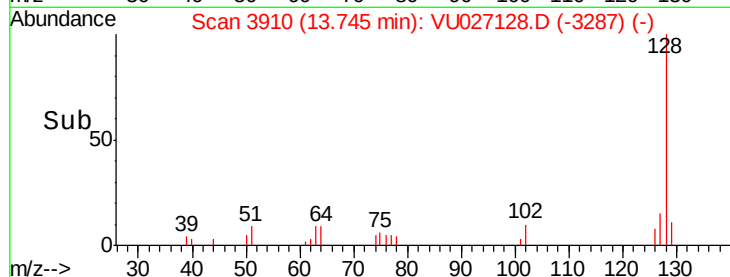
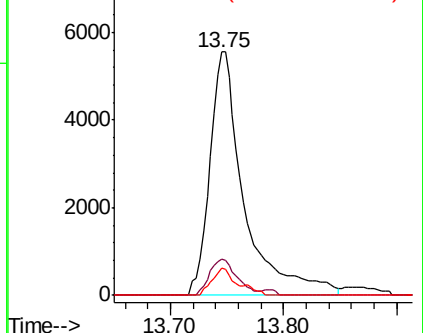
129 6.7 8.6 13.0#



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



#70

1,2,3-Trichlorobenzene

Concen: 2.565 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027128.D

Acq: 25 Sep 2018 12:47

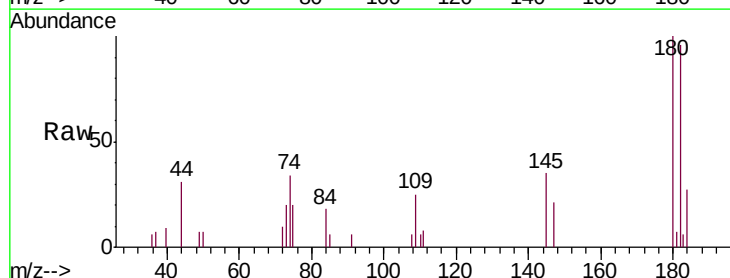
Tgt Ion:180 Resp: 3654

Ion Ratio Lower Upper

180 100

182 88.7 77.0 115.4

145 31.1 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

