

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027912.D
 Acq On : 02 Nov 2018 09:39
 Operator : MD/SY
 Sample : VU1102WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBL01

Quant Time: Nov 03 04:18:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

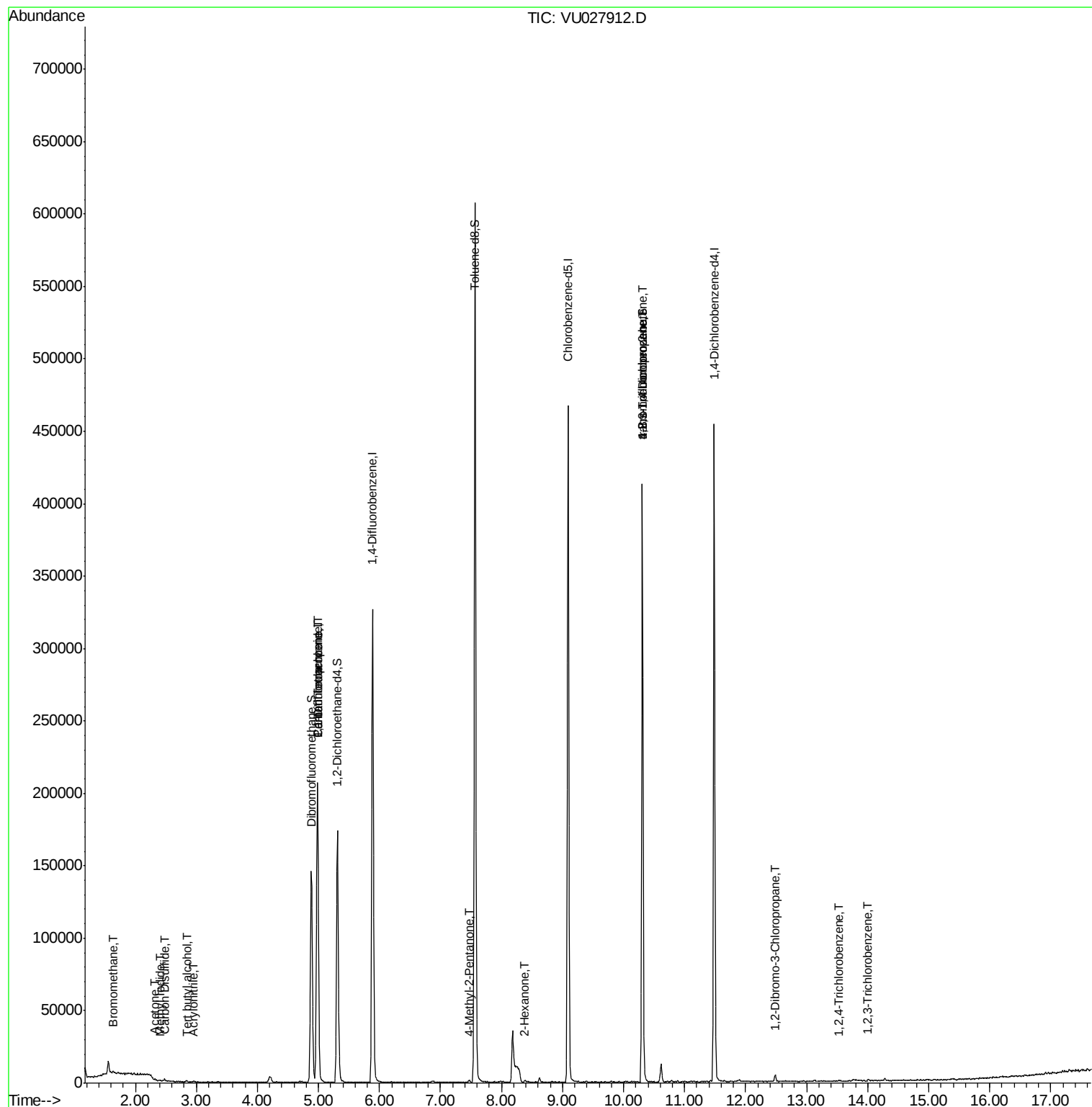
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	155869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	242770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	112151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	135413	58.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.86%	
35) Dibromofluoromethane	4.88	113	101168	60.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.36%	
50) Toluene-d8	7.57	98	397038	61.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.28%	
62) 4-Bromofluorobenzene	10.31	95	137426	57.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.70%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.62	94	850	1.068	ug/l #	80
10) Methyl Iodide	2.41	142	429	8.002	ug/l #	60
11) Tert butyl alcohol	2.84	59	413	0.673	ug/l #	73
13) Acrolein	2.19	56	405	Below Cal		96
15) Acrylonitrile	2.95	53	373	0.248	ug/l #	57
16) Acetone	2.32	43	684	0.476	ug/l	91
17) Carbon Disulfide	2.48	76	1330	0.249	ug/l #	84
31) Cyclohexane	4.98	56	3692	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	13760	4.968	ug/l #	50
38) Carbon Tetrachloride	4.98	117	15364	6.260	ug/l #	15
51) 4-Methyl-2-Pentanone	7.47	43	1094	0.258	ug/l #	72
59) 2-Hexanone	8.39	43	876	0.267	ug/l	75
76) 1,2,3-Trichloropropane	10.31	75	72272	23.559	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	72272	58.776	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	172	0.233	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.51	180	262	0.784	ug/l #	76
95) Naphthalene	13.76	128	1554	Below Cal	#	77
96) 1,2,3-Trichlorobenzene	14.00	180	709	0.285	ug/l #	89

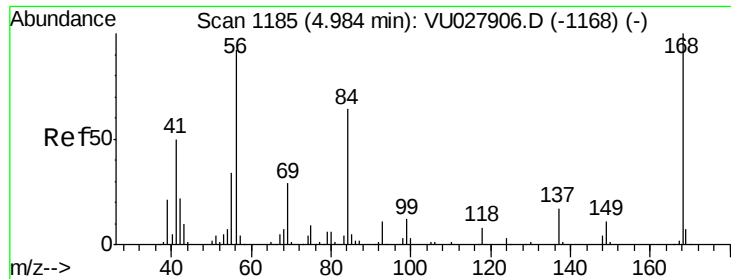
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

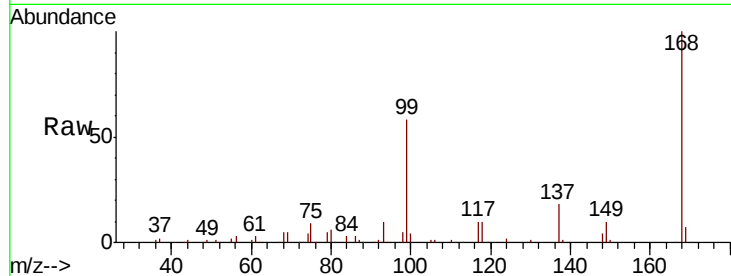
VU1102WBL01

Tot Ion:168 Resp: 155869

Ion Ratio Lower Upper

168 100

99 57.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027912.D (-1092) (-)

4.98

60000

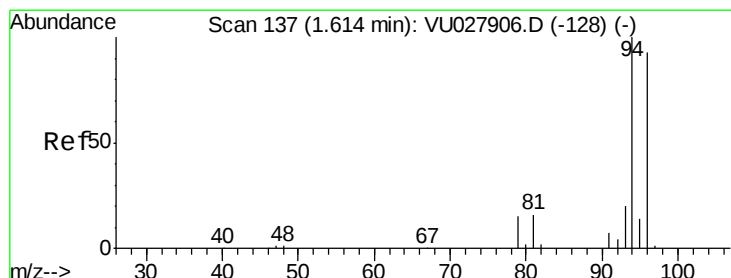
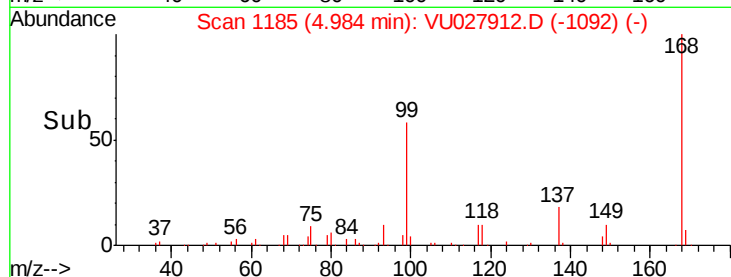
40000

20000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: 1.068 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027912.D

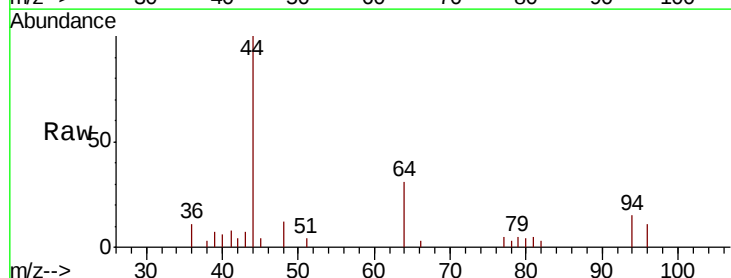
Acq: 02 Nov 2018 09:39

Tgt Ion: 94 Resp: 850

Ion Ratio Lower Upper

94 100

96 74.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027912.D (-144) (-)

1.62

500

400

300

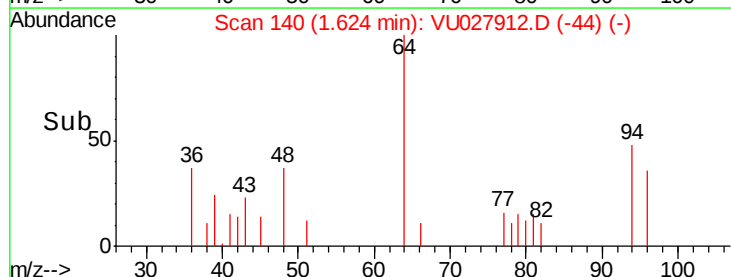
200

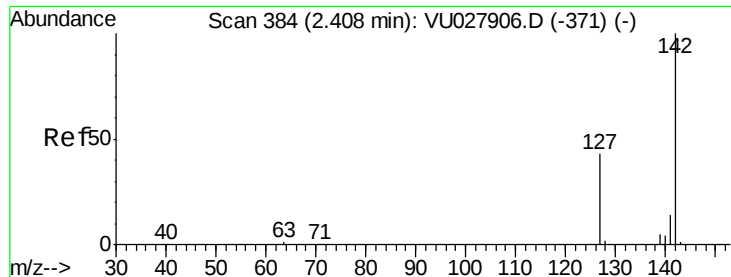
100

0

Time-->

1.60 1.65

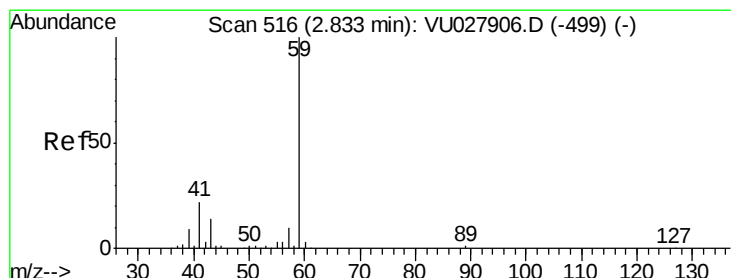
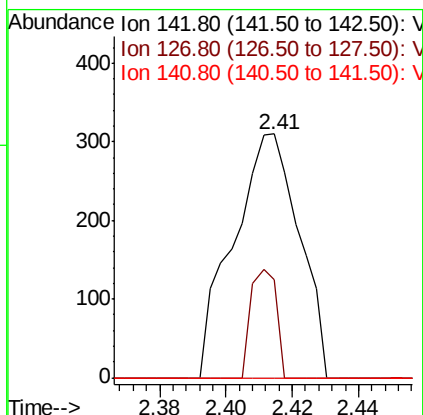
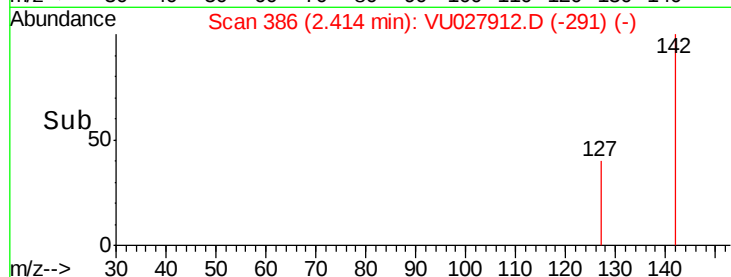
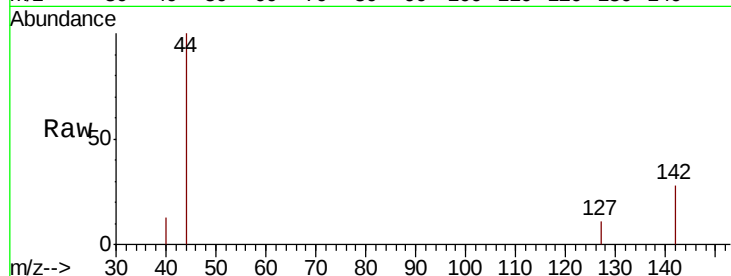




#10
Methyl Iodide
Concen: 8.002 ug/l
RT: 2.41 min Scan# 386
Delta R.T. 0.01 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

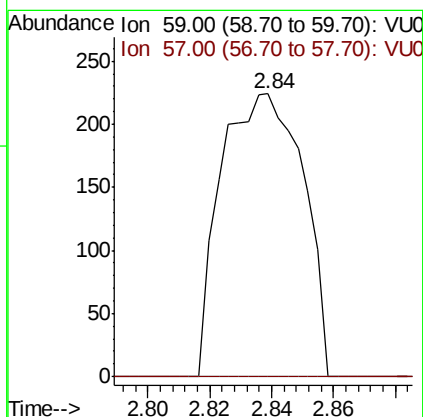
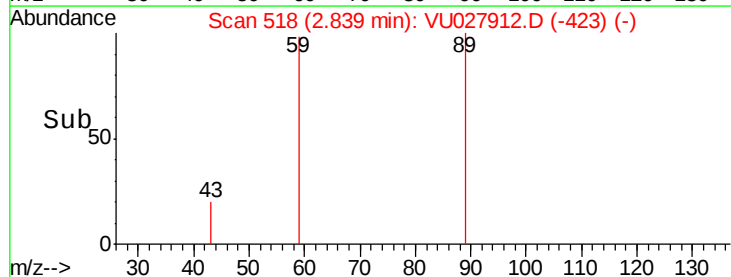
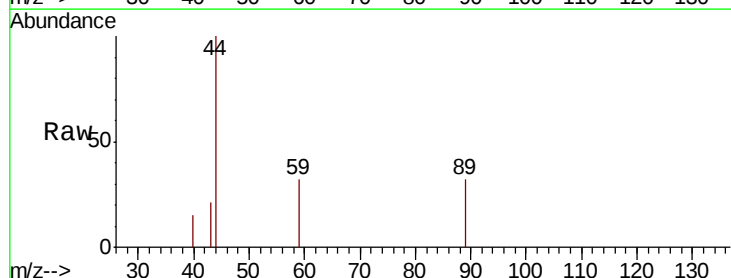
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBL01

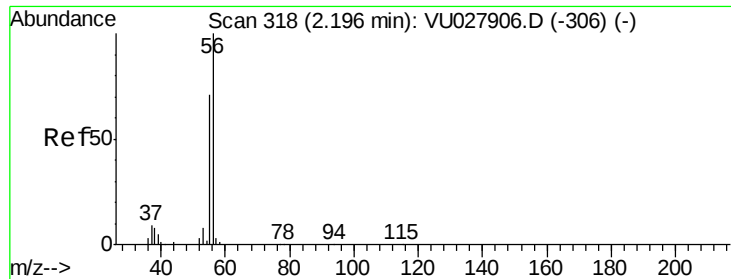
Tot Ion:142 Resp: 429
Ion Ratio Lower Upper
142 100
127 17.2 35.2 52.8#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 0.673 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

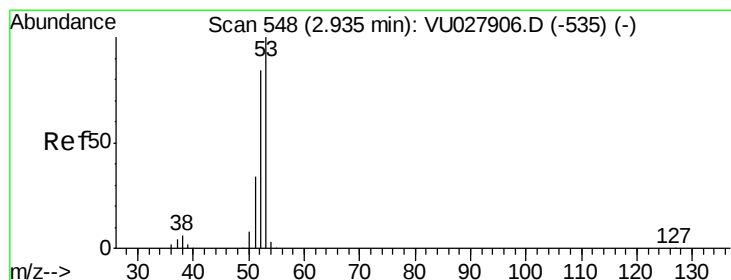
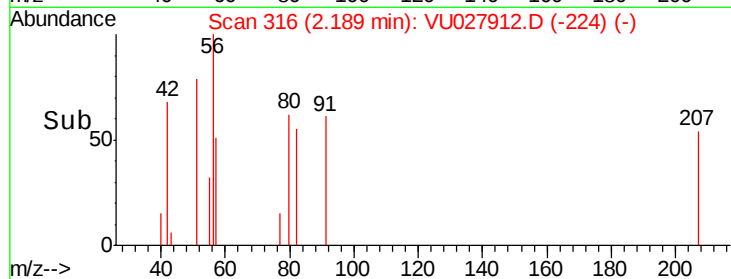
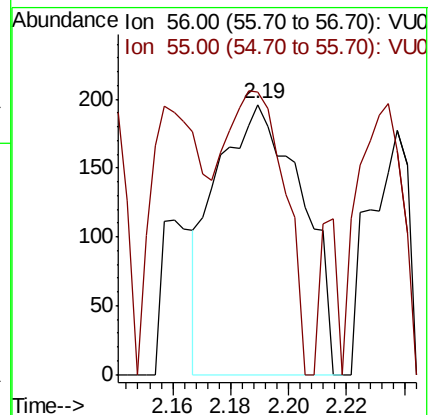
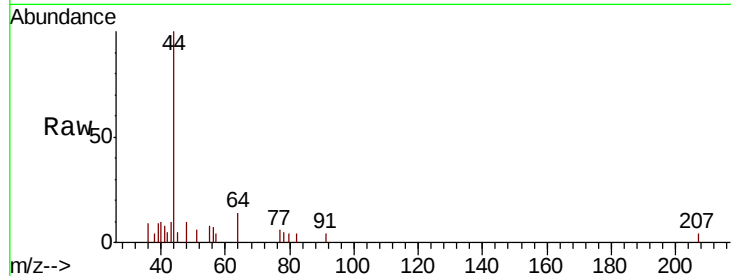
VU1102WBL01

Tot Ion: 56 Resp: 405

Ion Ratio Lower Upper

56 100

55 73.3 56.2 84.4



#15

Acrylonitrile

Concen: 0.248 ug/l

RT: 2.95 min Scan# 553

Delta R.T. 0.02 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

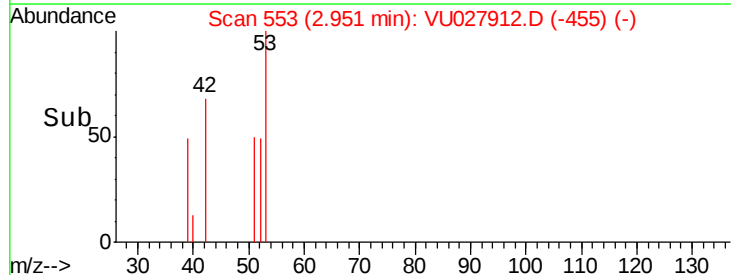
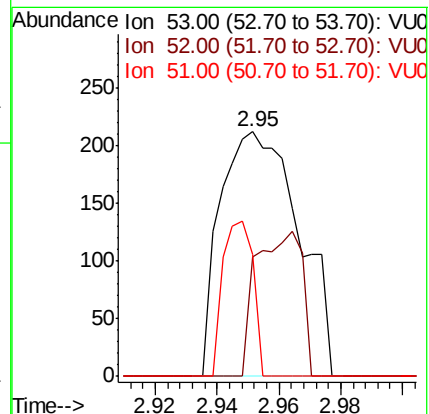
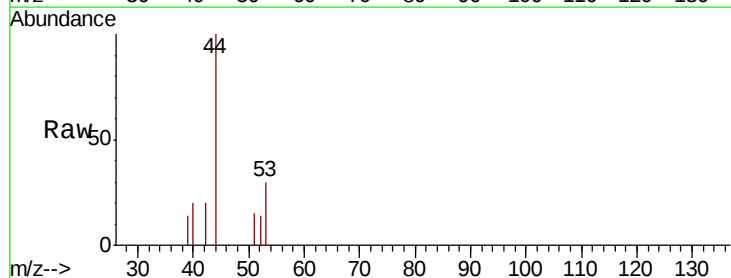
Tgt Ion: 53 Resp: 373

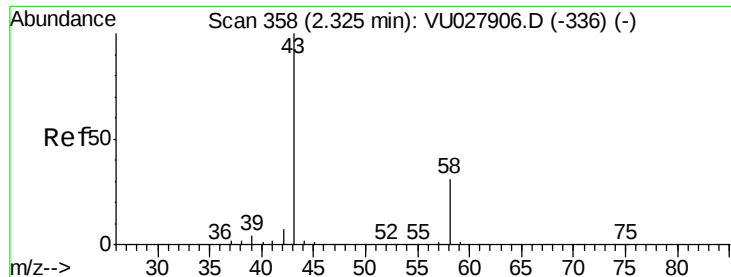
Ion Ratio Lower Upper

53 100

52 34.6 66.2 99.2#

51 24.4 27.0 40.4#





#16

Acetone

Concen: 0.476 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

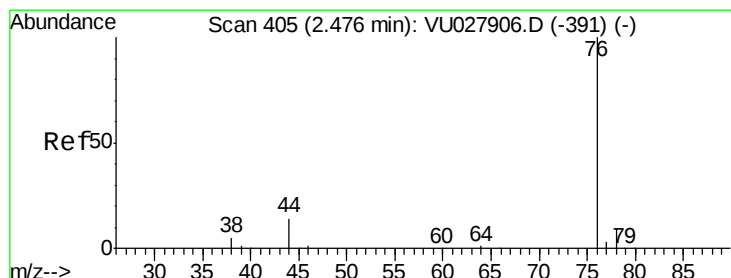
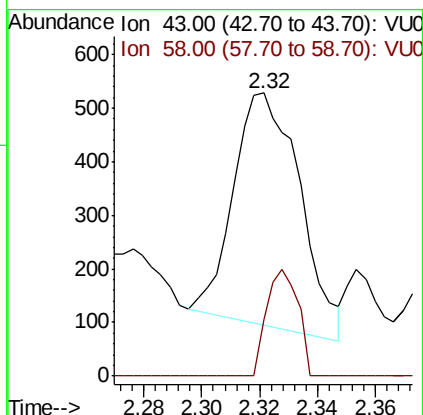
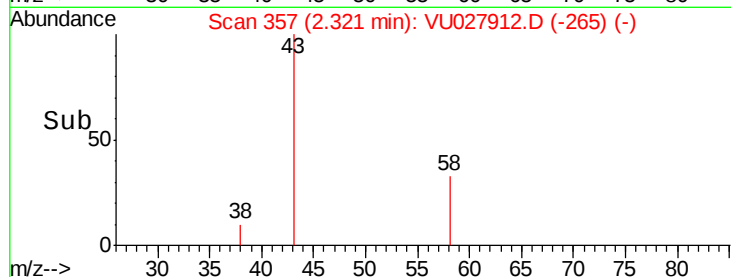
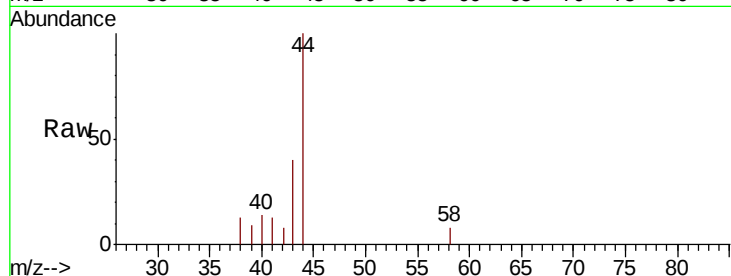
VU1102WBL01

Tot Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 26.1 24.6 37.0



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU027912.D

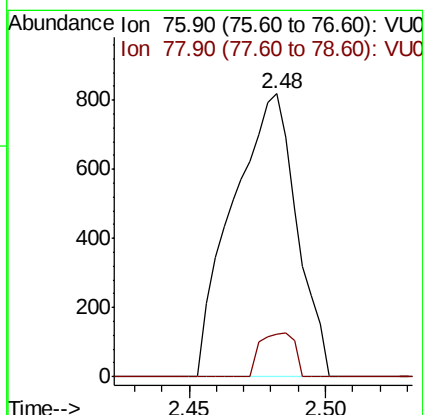
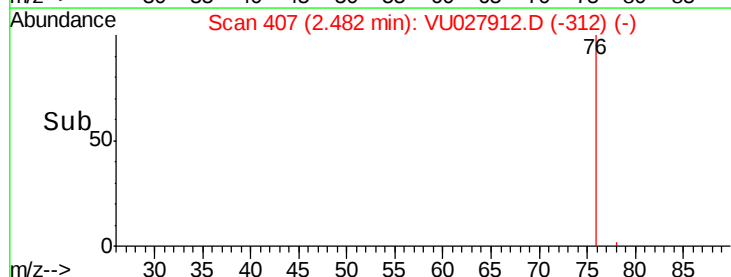
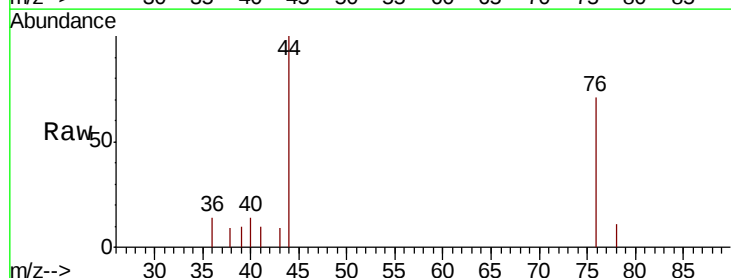
Acq: 02 Nov 2018 09:39

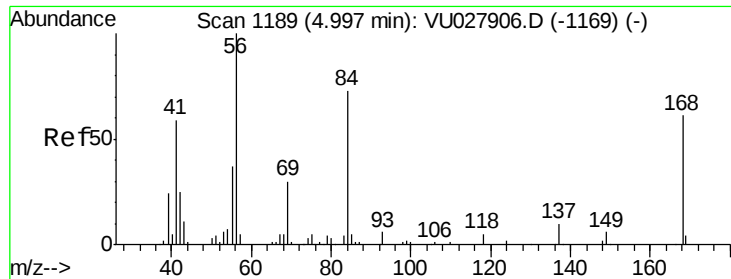
Tgt Ion: 76 Resp: 1330

Ion Ratio Lower Upper

76 100

78 15.0 7.4 11.0#

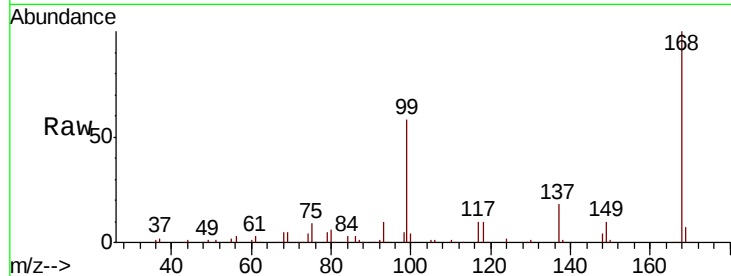




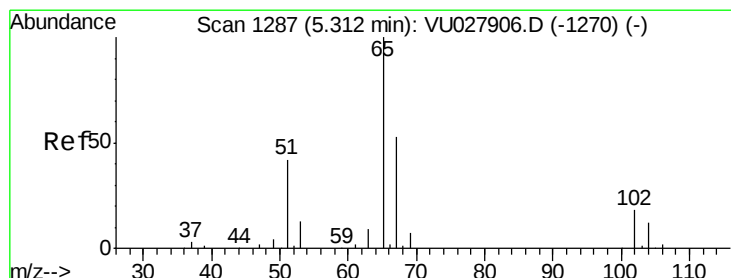
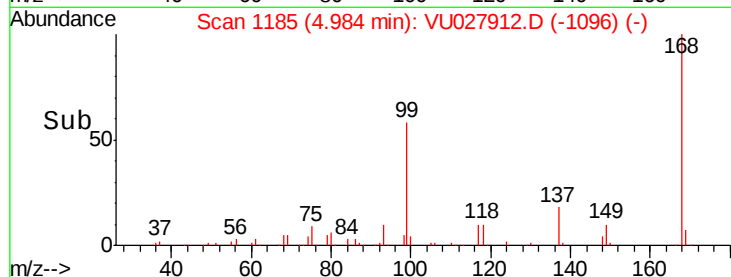
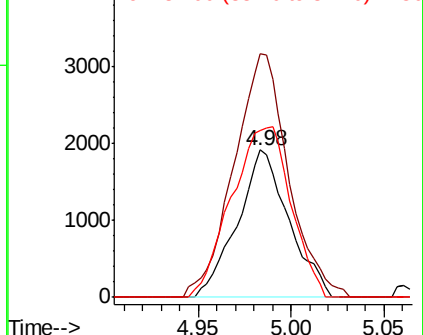
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBL01

Tot Ion: 56 Resp: 3692
Ion Ratio Lower Upper
56 100
69 158.7 23.7 35.5#
84 113.1 58.2 87.4#

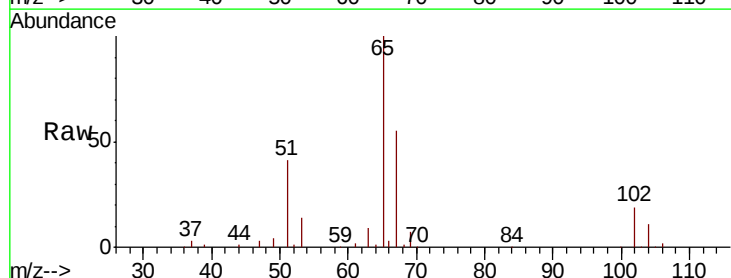


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

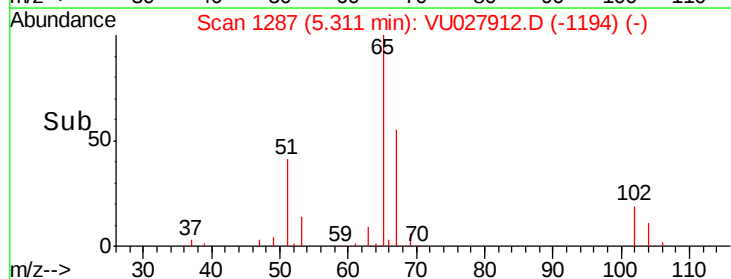
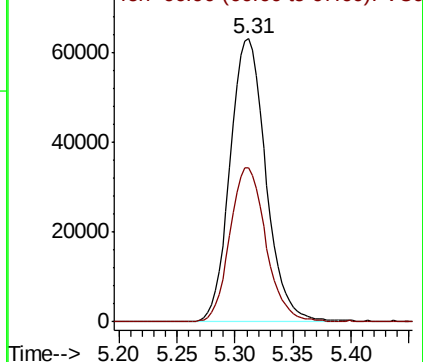


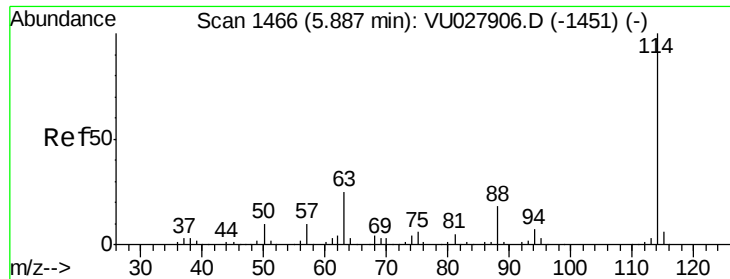
#33
1,2-Dichloroethane-d4
Concen: 58.434 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Tgt Ion: 65 Resp: 135413
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.0



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

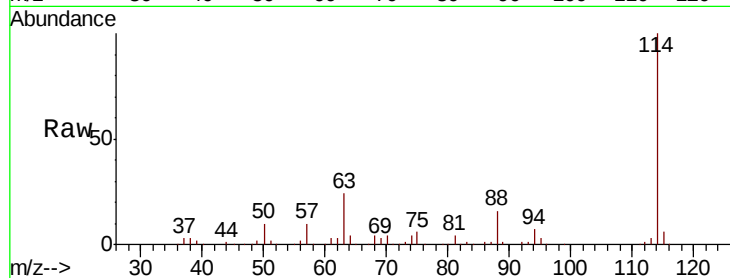




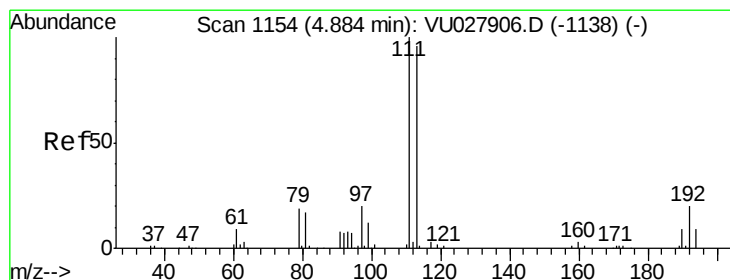
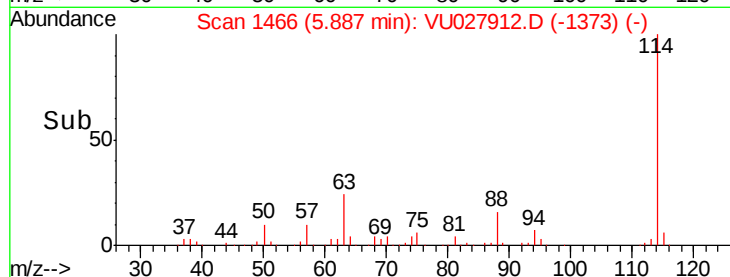
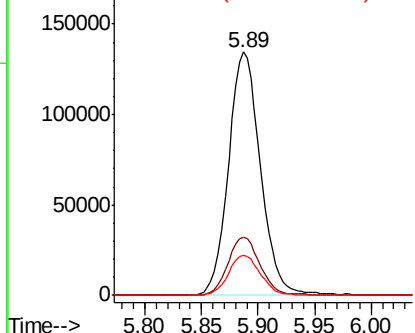
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027912.D
 Acq: 02 Nov 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBL01

Tot Ion:114 Resp: 264446
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 16.4 0.0 35.8

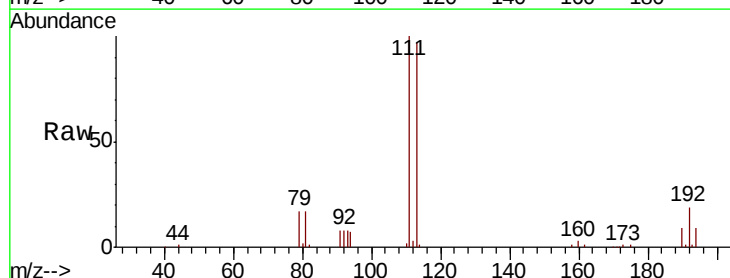


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

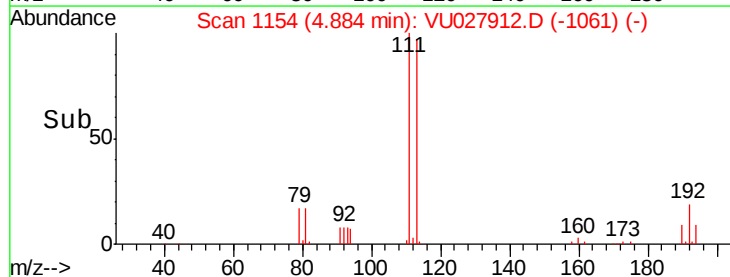
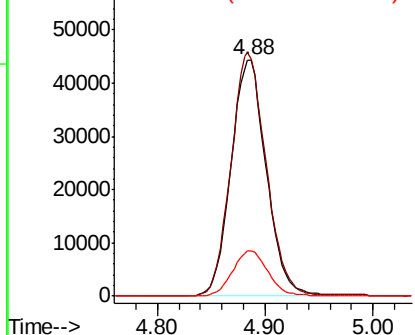


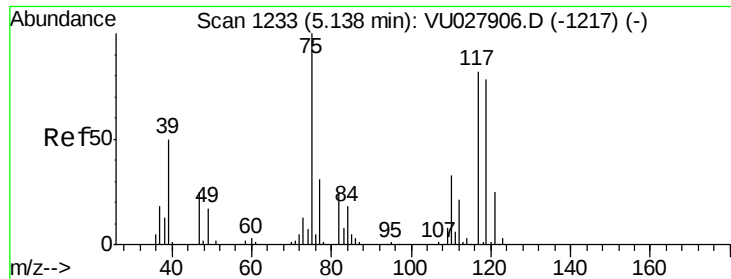
#35
 Dibromofluoromethane
 Concen: 60.675 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027912.D
 Acq: 02 Nov 2018 09:39

Tgt Ion:113 Resp: 101168
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.6
 192 19.1 15.6 23.4



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

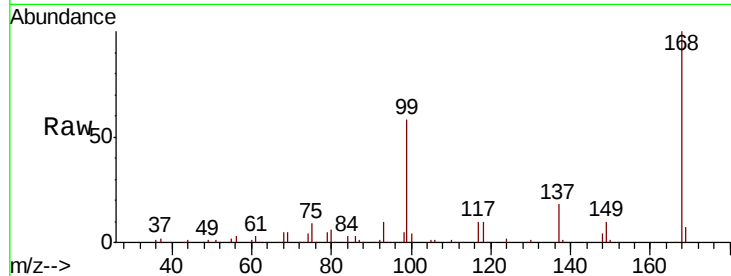




#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027912.D
 Acq: 02 Nov 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBL01

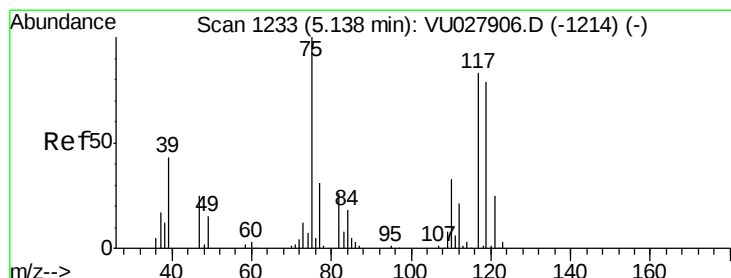
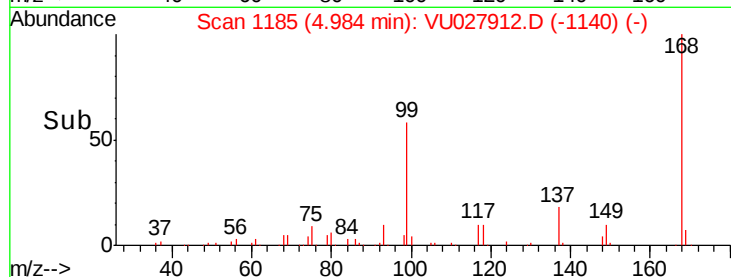
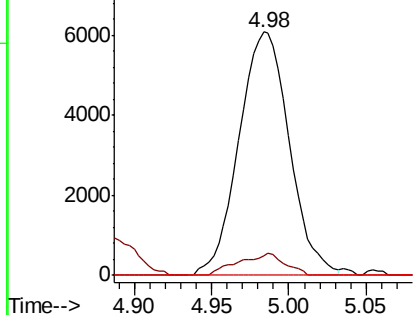
Tot Ion	75	Resp	13760
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.5	49.5#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU027912.D (-1140) (-)

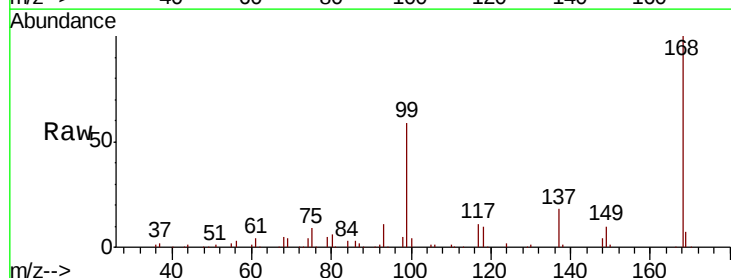
Ion 109.90 (109.60 to 110.60): VU027912.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027912.D (-1140) (-)



#38
 Carbon Tetrachloride
 Concen: 6.260 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU027912.D
 Acq: 02 Nov 2018 09:39

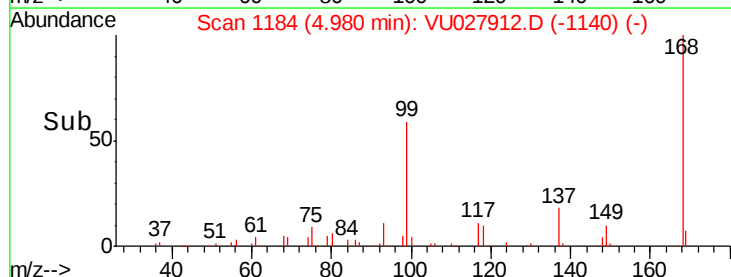
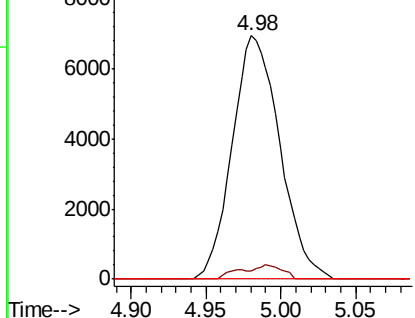
Tgt Ion	117	Resp	15364
Ion Ratio	Lower	Upper	
117	100		
119	3.5	76.0	114.0#
121	0.0	24.5	36.7#

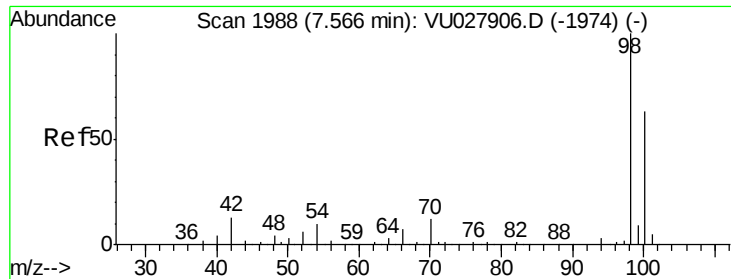


Abundance Ion 116.80 (116.50 to 117.50): VU027912.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027912.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027912.D (-1140) (-)





#50

Toluene-d8

Concen: 61.643 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

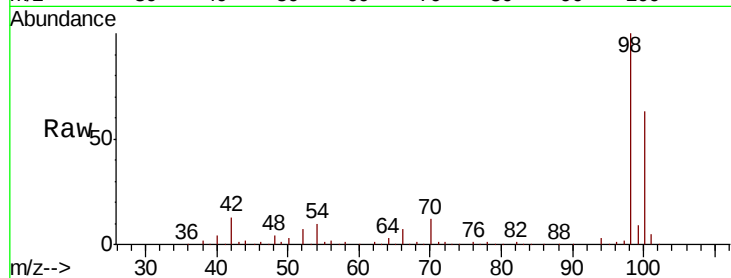
VU1102WBL01

Tot Ion: 98 Resp: 397038

Ion Ratio Lower Upper

98 100

100 63.4 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

250000

200000

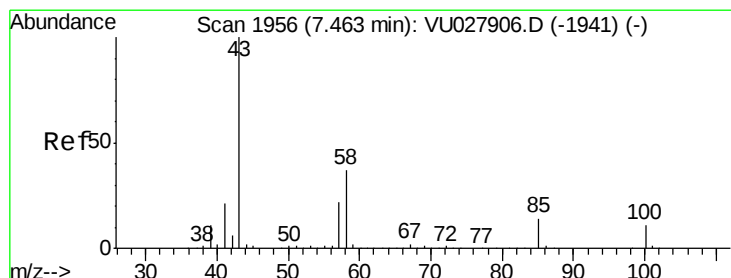
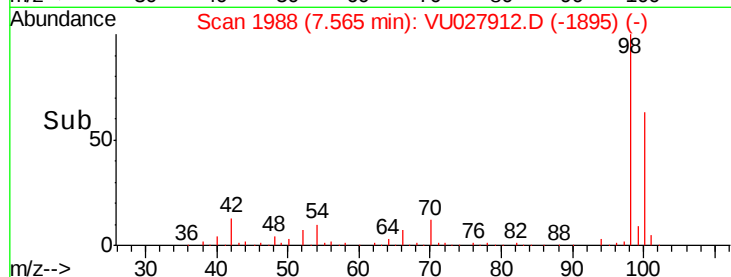
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027912.D

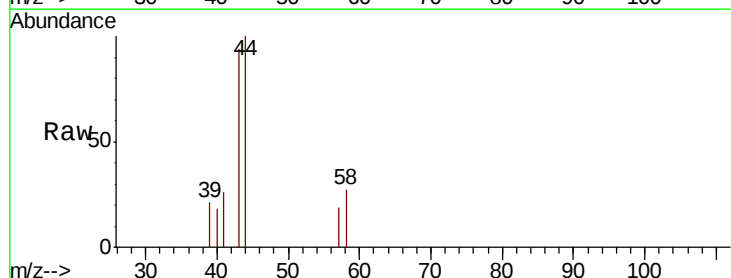
Acq: 02 Nov 2018 09:39

Tgt Ion: 43 Resp: 1094

Ion Ratio Lower Upper

43 100

58 20.5 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.47

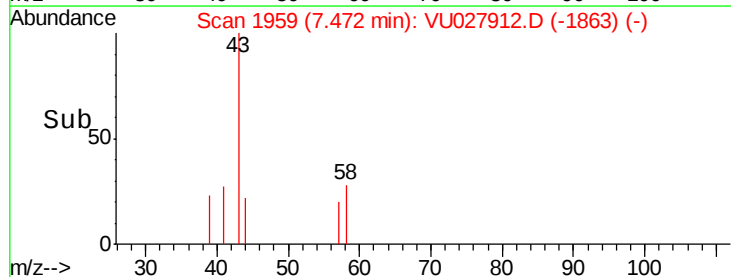
600

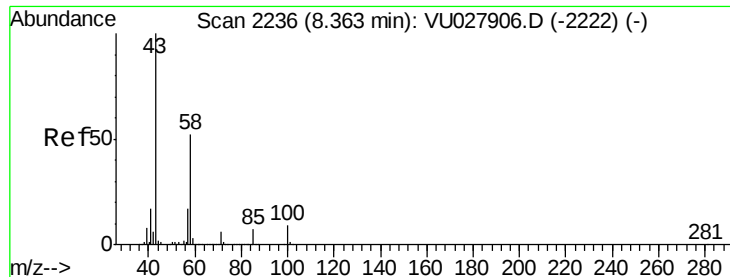
400

200

0

Time-->

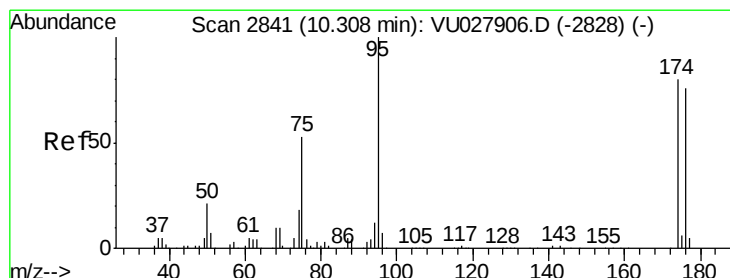
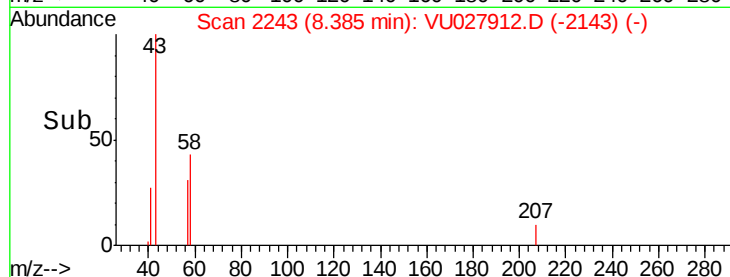
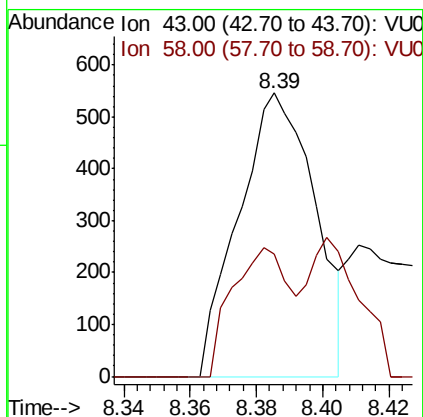
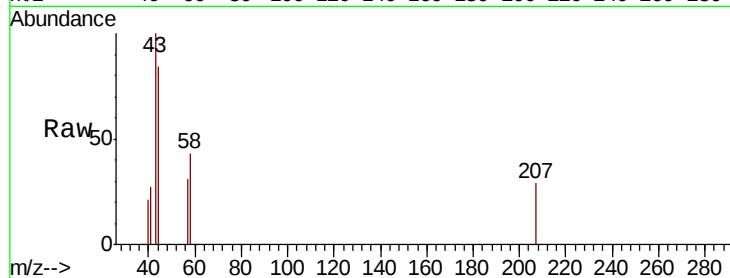




#59
2-Hexanone
Concen: 0.267 ug/l
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

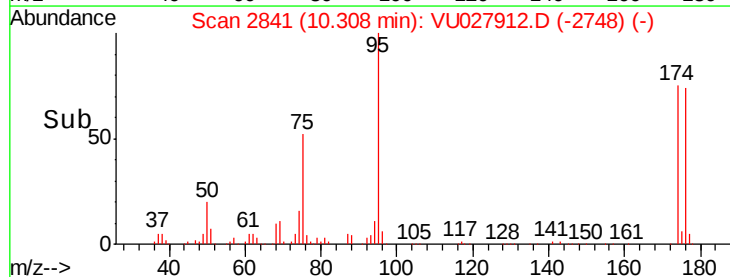
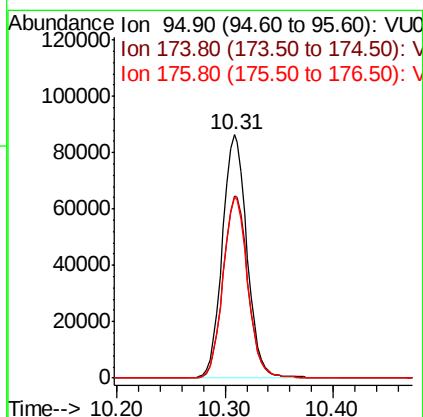
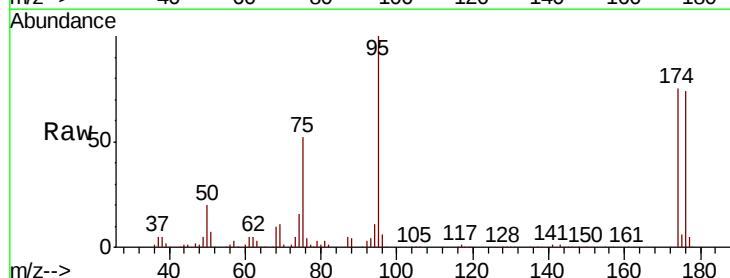
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBL01

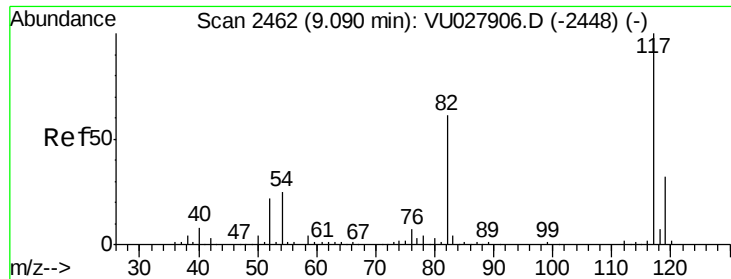
Tot Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 33.8 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 57.847 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Tgt Ion: 95 Resp: 137426
Ion Ratio Lower Upper
95 100
174 75.4 0.0 156.4
176 74.5 0.0 150.8

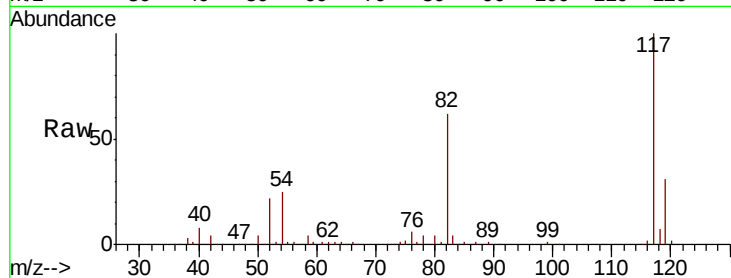




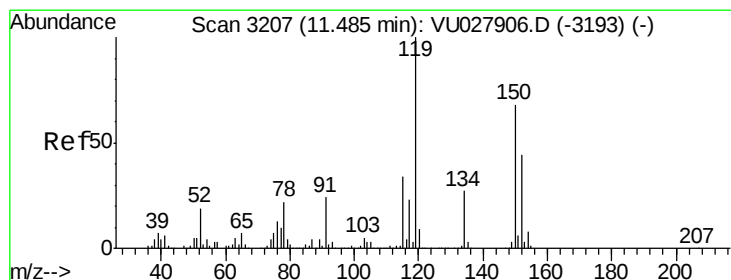
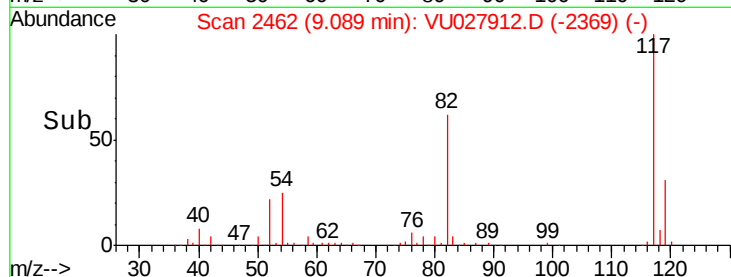
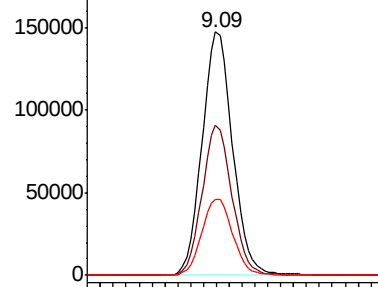
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.6	73.0
119	31.4	25.8	38.8

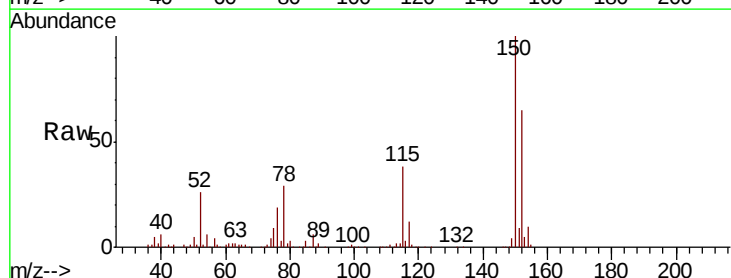


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

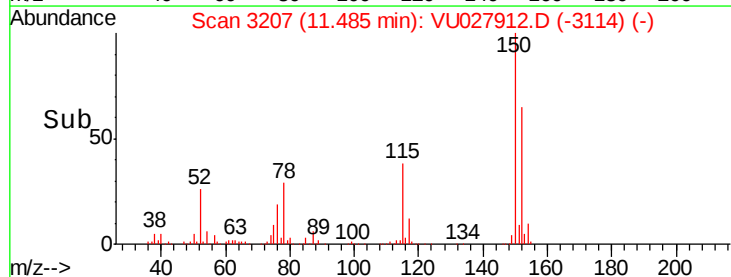
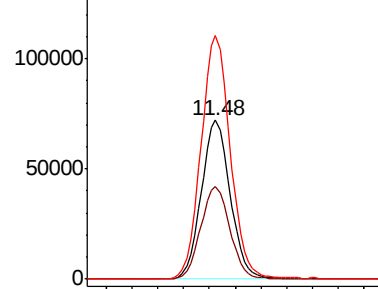


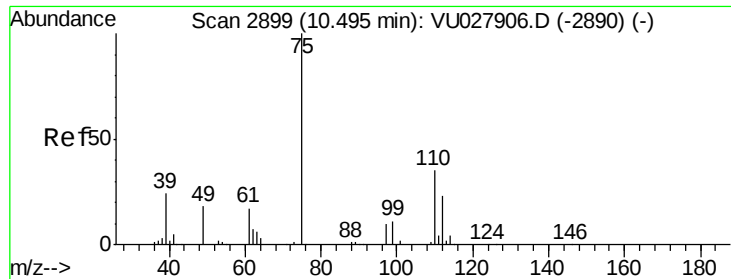
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027912.D
Acq: 02 Nov 2018 09:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	43.0	129.0
150	155.0	0.0	349.4



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: 23.559 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

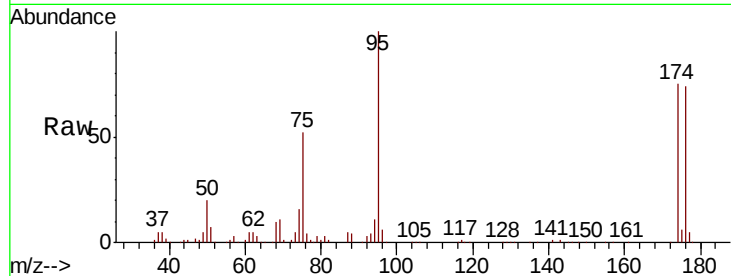
VU1102WBL01

Tot Ion: 75 Resp: 72272

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

50000

40000

30000

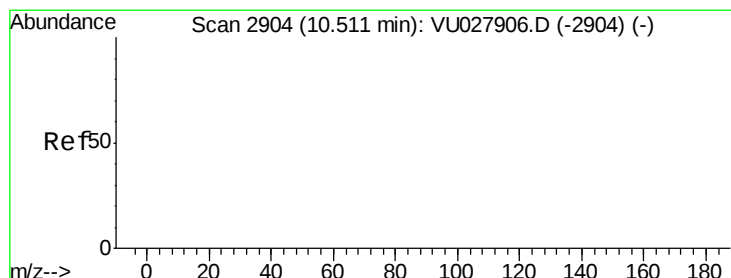
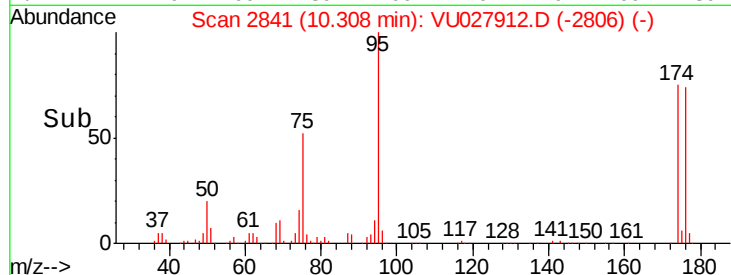
20000

10000

0

Time-->

10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 58.776 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

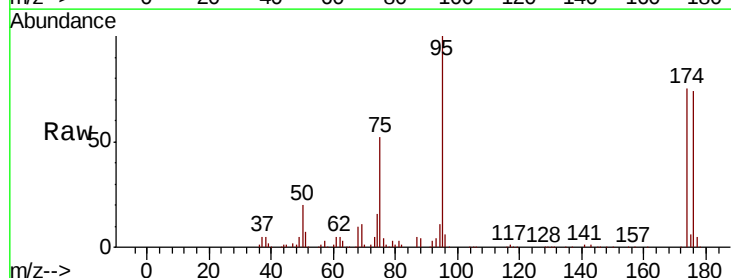
Tgt Ion: 75 Resp: 72272

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

60000

50000

40000

30000

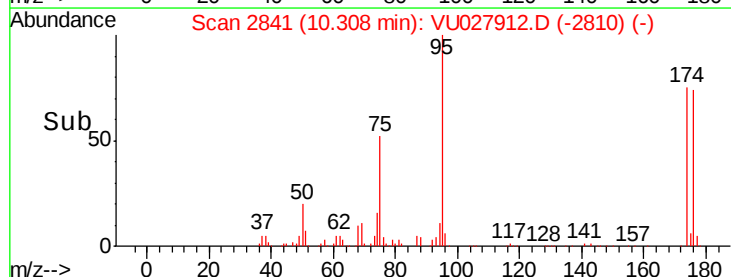
20000

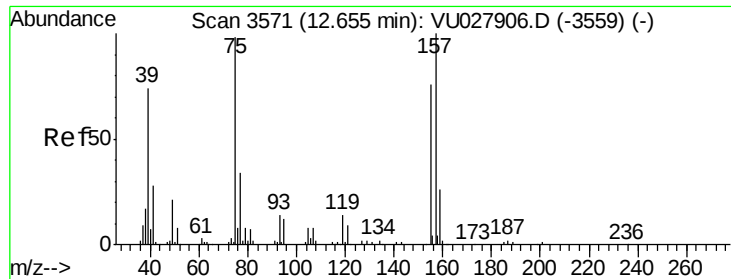
10000

0

Time-->

10.30 10.40





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.233 ug/l

RT: 12.48 min Scan# 3515

Delta R.T. -0.18 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBL01

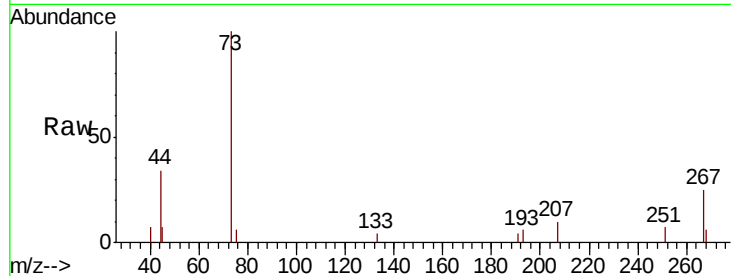
Tot Ion: 75 Resp: 172

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

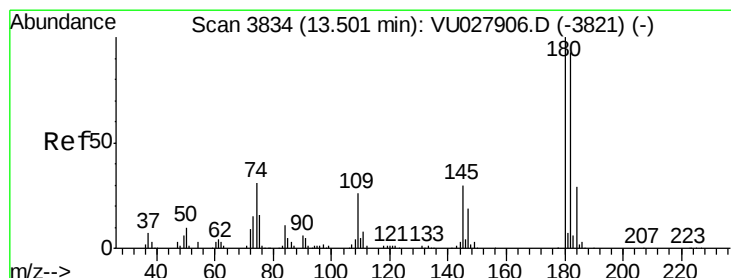
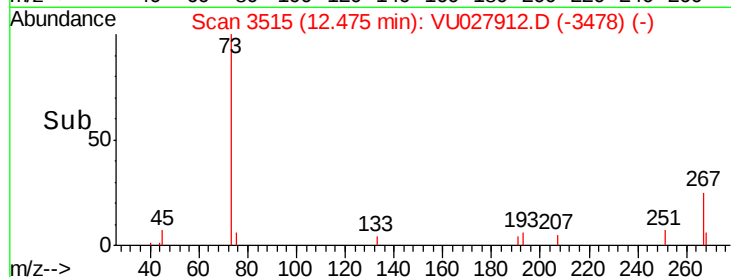
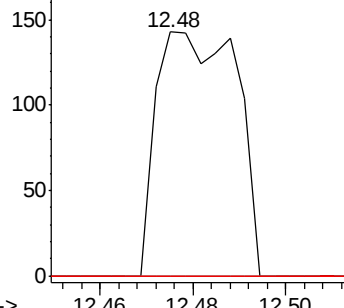
157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU027912.D (-3478) (-)

Ion 154.80 (154.50 to 155.50): VU027912.D (-3478) (-)

Ion 156.80 (156.50 to 157.50): VU027912.D (-3478) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.784 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU027912.D

Acq: 02 Nov 2018 09:39

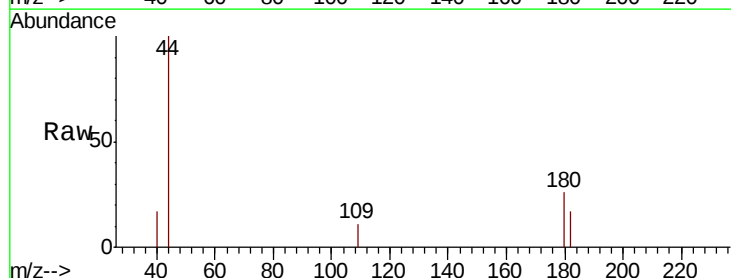
Tgt Ion: 180 Resp: 262

Ion Ratio Lower Upper

180 100

182 82.8 48.4 145.2

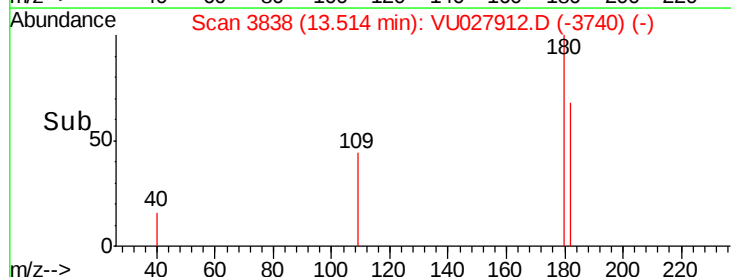
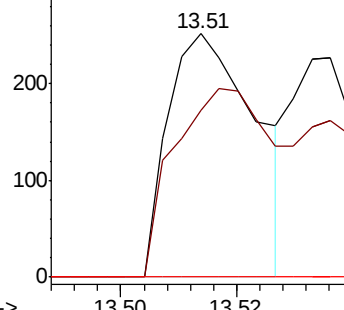
145 0.0 14.9 44.5#

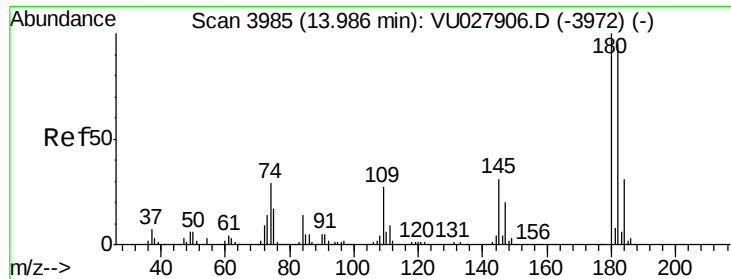


Abundance Ion 179.80 (179.50 to 180.50): VU027912.D (-3740) (-)

Ion 181.80 (181.50 to 182.50): VU027912.D (-3740) (-)

Ion 144.80 (144.50 to 145.50): VU027912.D (-3740) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU027912.D
 Acq: 02 Nov 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.4	142.3
145	15.7	16.0	47.9#

