

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100218\
 Data File : VU027336.D
 Acq On : 02 Oct 2018 09:45
 Operator : MD/SY
 Sample : VU1002WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBL01

Quant Time: Oct 03 02:02:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	100334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	102306	61.06	ug/l	0.00
Spiked Amount			Recovery	=	122.12%	
35) Dibromofluoromethane	4.88	113	71598	61.23	ug/l	0.00
Spiked Amount			Recovery	=	122.46%	
50) Toluene-d8	7.57	98	269684	61.62	ug/l	0.00
Spiked Amount			Recovery	=	123.24%	
62) 4-Bromofluorobenzene	10.31	95	86686	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

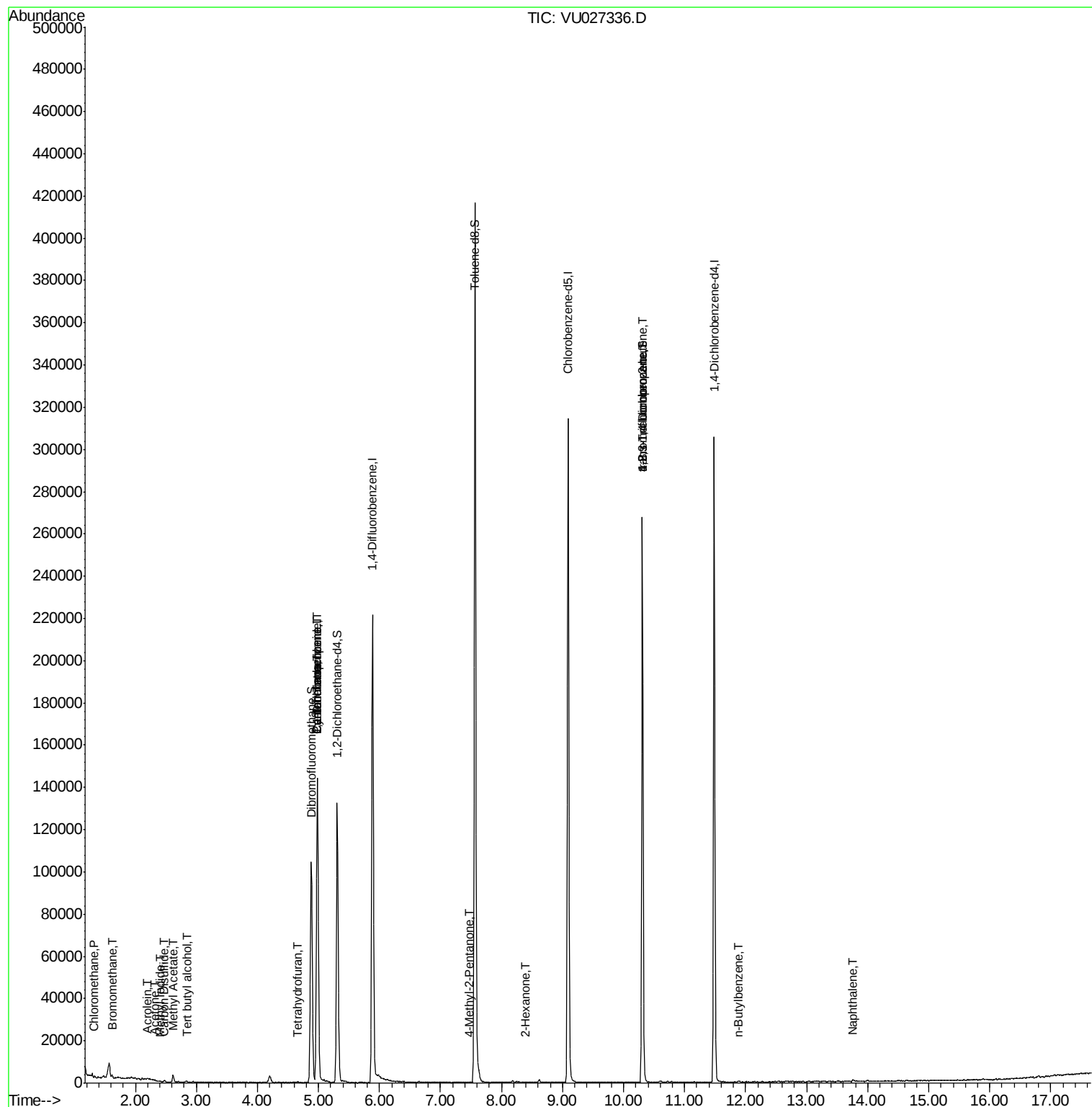
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	485	0.248	ug/l	97
5) Bromomethane	1.62	94	617	0.775	ug/l	96
10) Methyl Iodide	2.41	142	169	8.477	ug/l #	39
11) Tert butyl alcohol	2.83	59	357	1.012	ug/l #	72
13) Acrolein	2.19	56	66	0.223	ug/l #	14
16) Acetone	2.32	43	576	0.582	ug/l	97
17) Carbon Disulfide	2.48	76	841	0.220	ug/l #	75
18) Methyl Acetate	2.62	43	4234	1.875	ug/l	94
29) Tetrahydrofuran	4.66	42	437	0.514	ug/l #	39
31) Cyclohexane	4.98	56	2649	0.752	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9465	5.109	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10352	6.186	ug/l #	18
51) 4-Methyl-2-Pentanone	7.47	43	503	0.208	ug/l #	38
59) 2-Hexanone	8.39	43	409	0.218	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	47438	25.433	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	47438	66.561	ug/l #	100
89) n-Butylbenzene	11.90	91	209	1.992	ug/l #	76
95) Naphthalene	13.76	128	1823	1.984	ug/l #	69

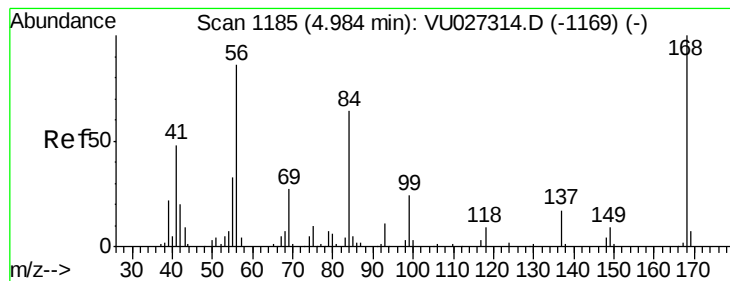
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

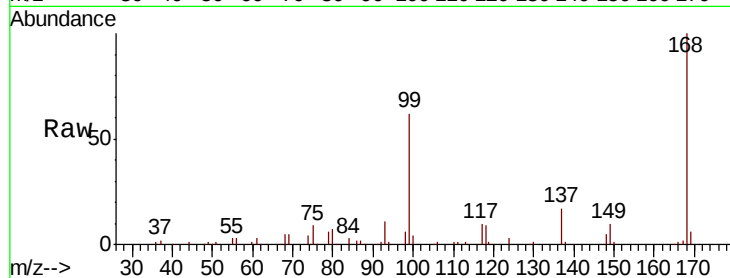
VU1002WBL01

Tot Ion:168 Resp: 100334

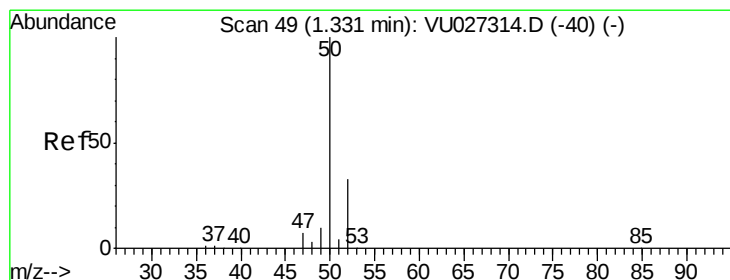
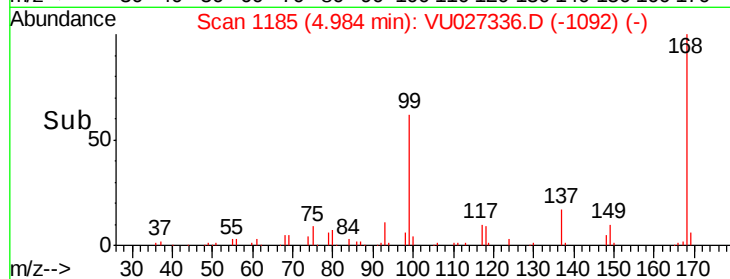
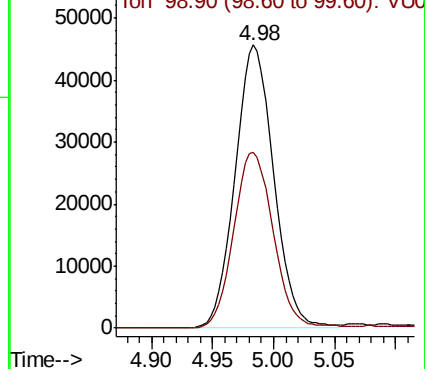
Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027336.D (-1092) (-)



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027336.D

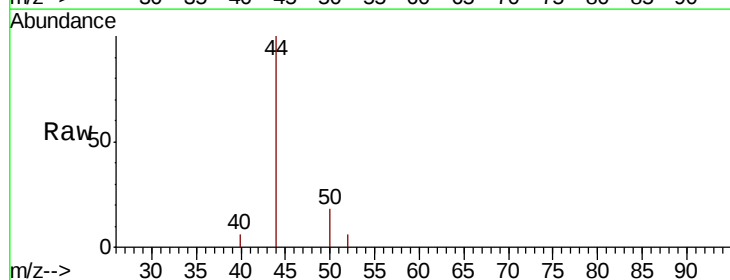
Acq: 02 Oct 2018 09:45

Tgt Ion: 50 Resp: 485

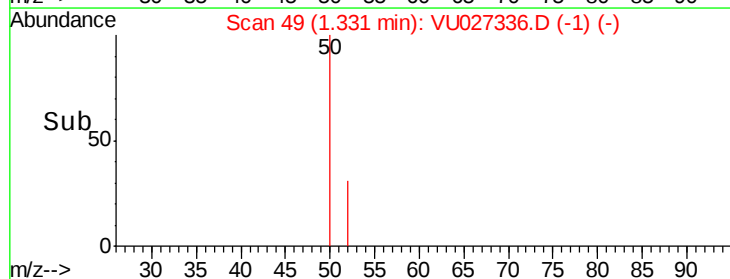
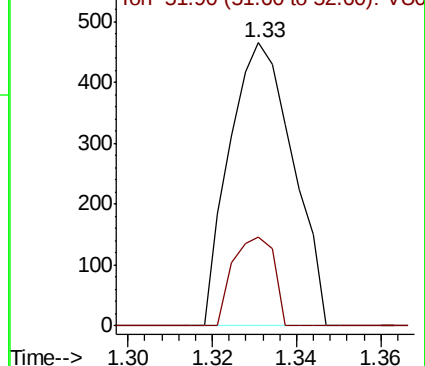
Ion Ratio Lower Upper

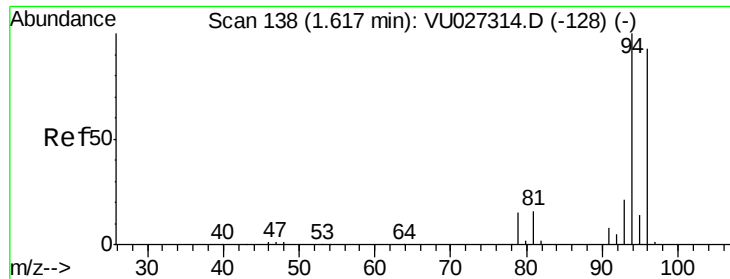
50 100

52 31.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027336.D (-1) (-)





#5

Bromomethane

Concen: 0.775 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

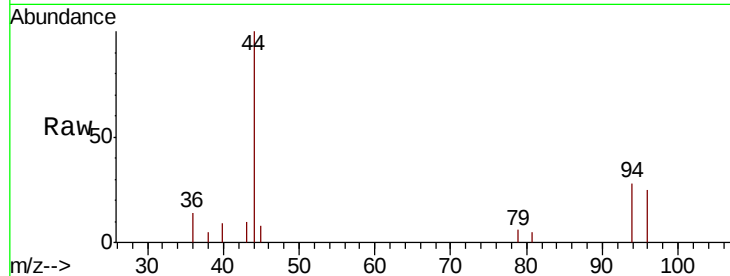
VU1002WBL01

Tot Ion: 94 Resp: 617

Ion Ratio Lower Upper

94 100

96 89.7 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

600

500

400

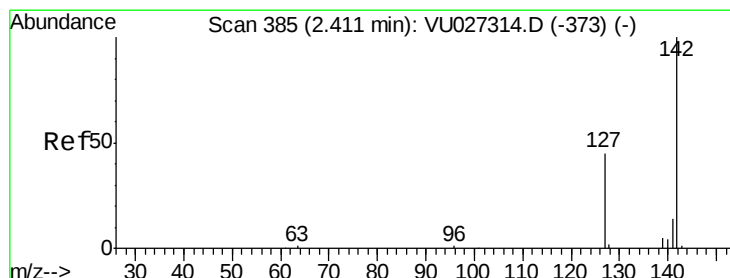
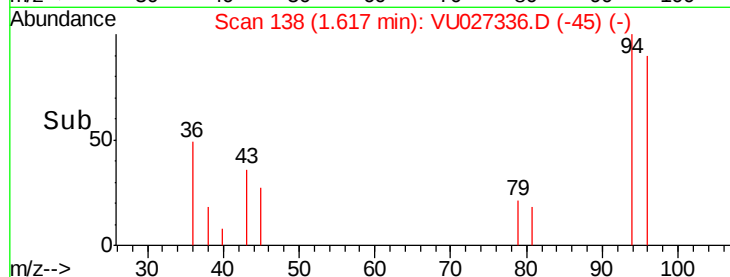
300

200

100

0

Time--> 1.58 1.60 1.62 1.64



#10

Methyl Iodide

Concen: 8.477 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

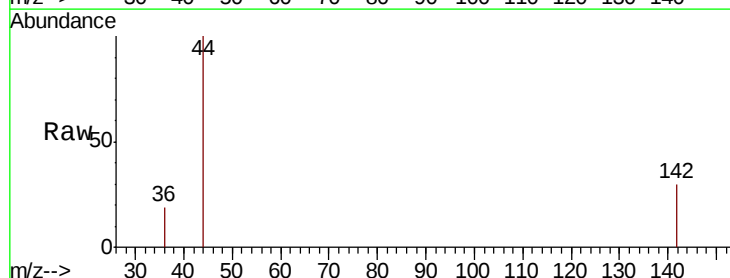
Tgt Ion: 142 Resp: 169

Ion Ratio Lower Upper

142 100

127 0.0 36.3 54.5#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

200

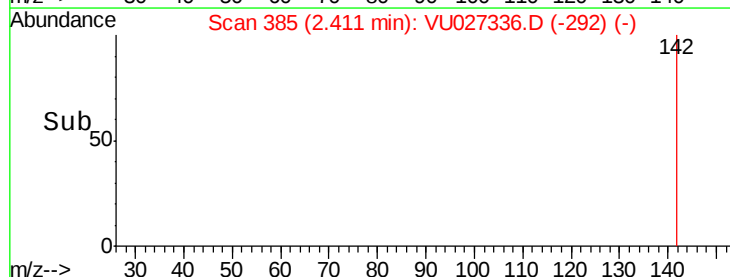
150

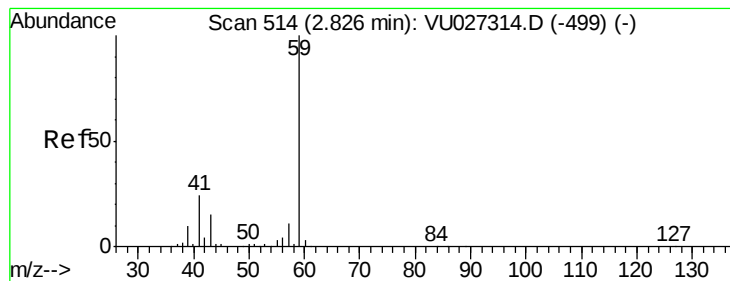
100

50

0

Time--> 2.38 2.40 2.42



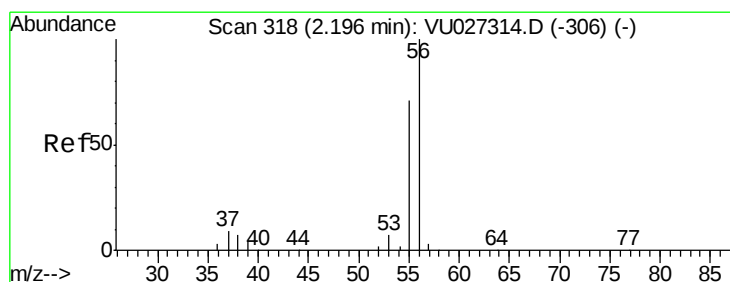
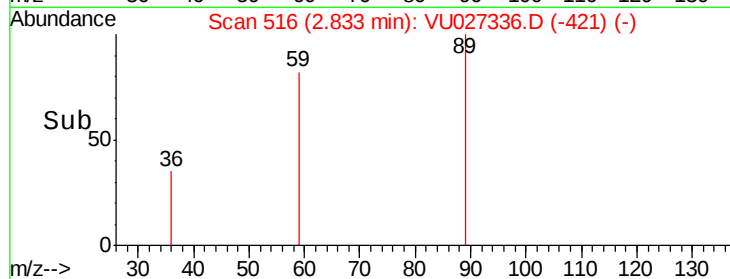
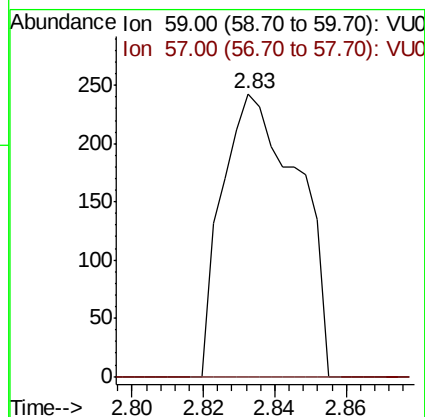
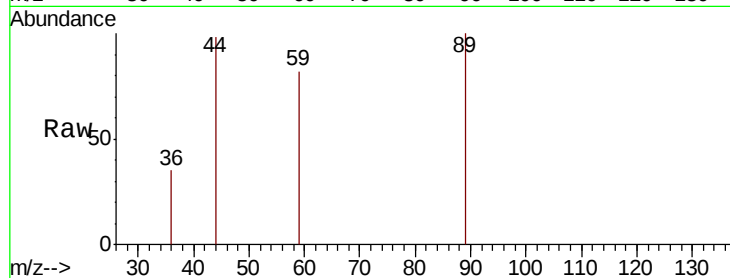


#11

Tert butyl alcohol
 Concen: 1.012 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBL01

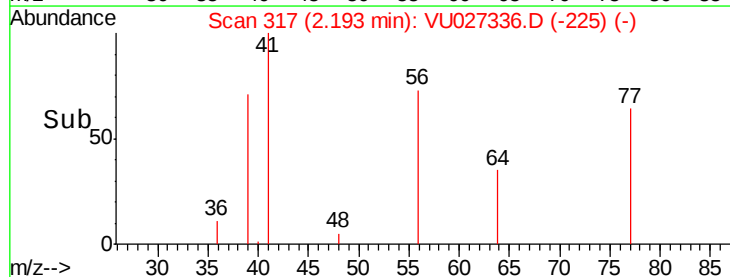
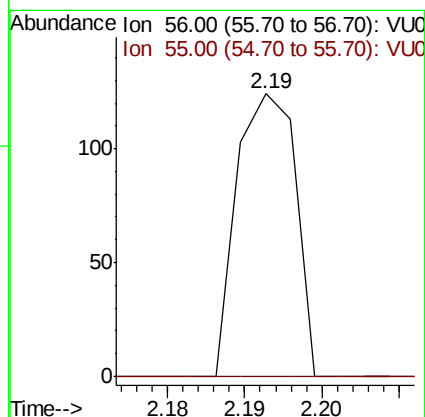
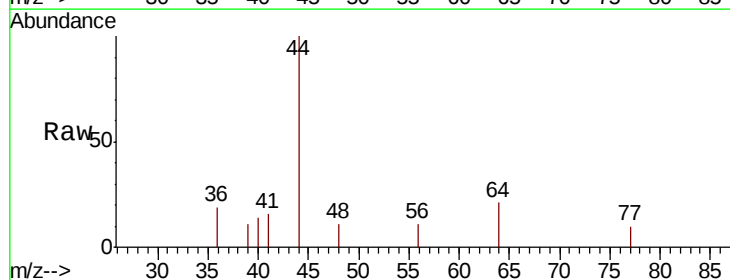
Tot Ion: 59 Resp: 357
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

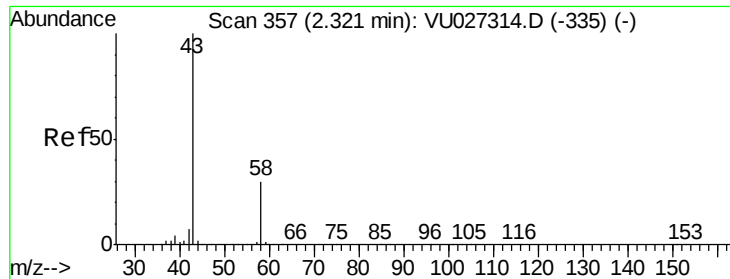


#13

Acrolein
 Concen: 0.223 ug/l
 RT: 2.19 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Tgt Ion: 56 Resp: 66
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.7 86.5#





#16

Acetone

Concen: 0.582 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

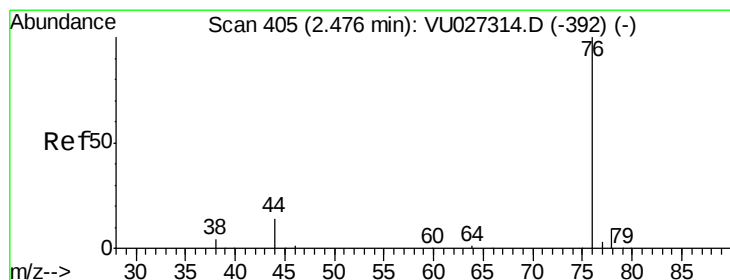
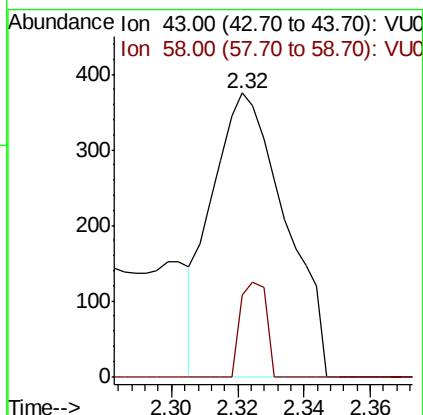
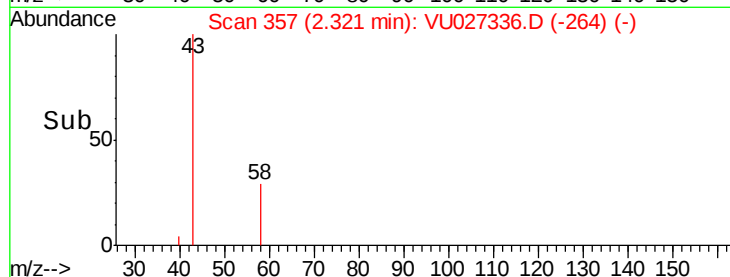
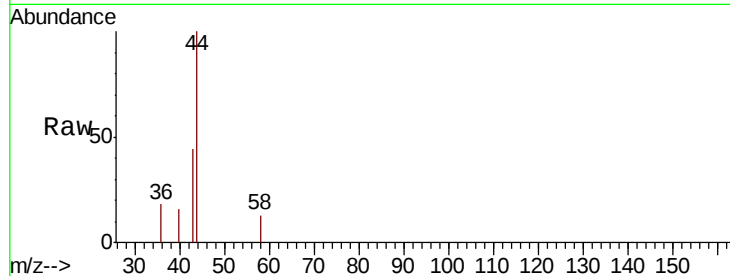
VU1002WBL01

Tot Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

58 28.8 24.2 36.4



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027336.D

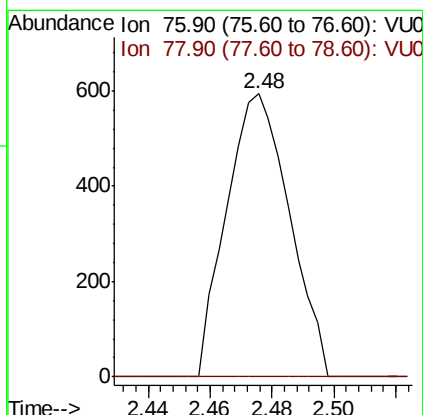
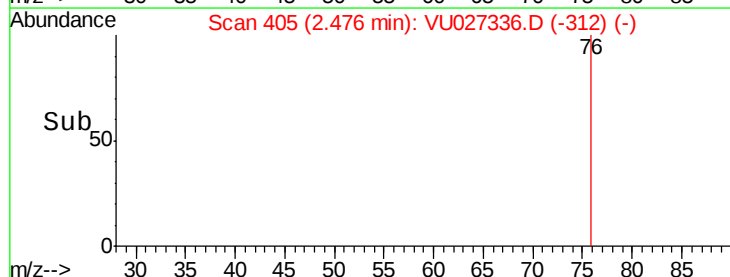
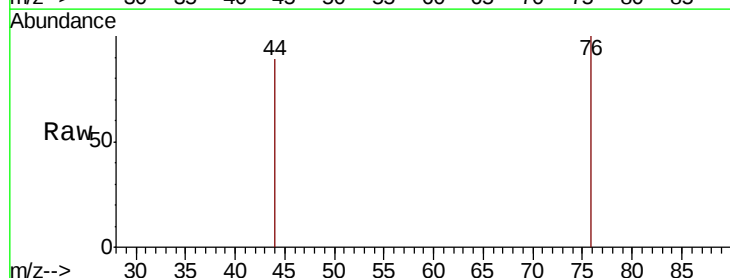
Acq: 02 Oct 2018 09:45

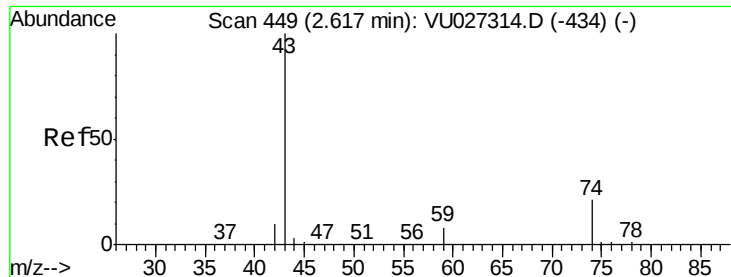
Tgt Ion: 76 Resp: 841

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

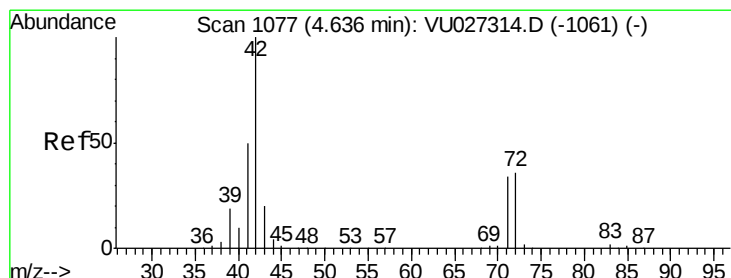
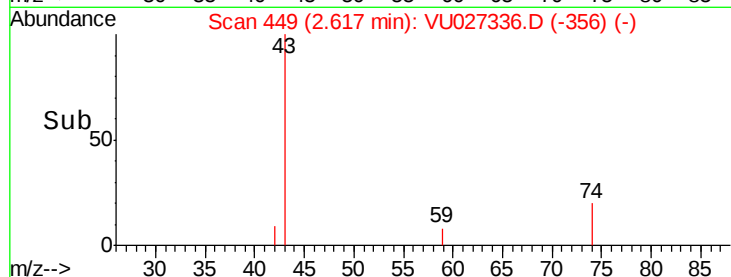
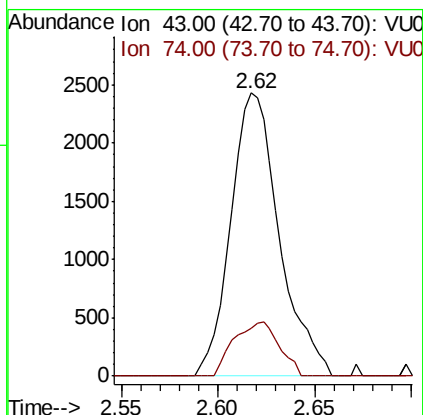
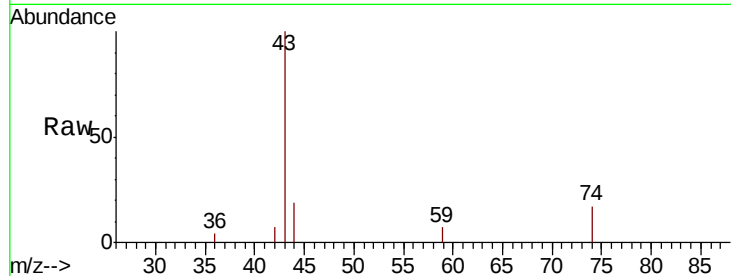




#18
Methvl Acetate
Concen: 1.875 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

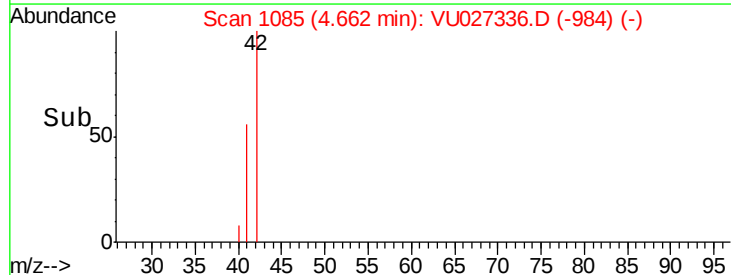
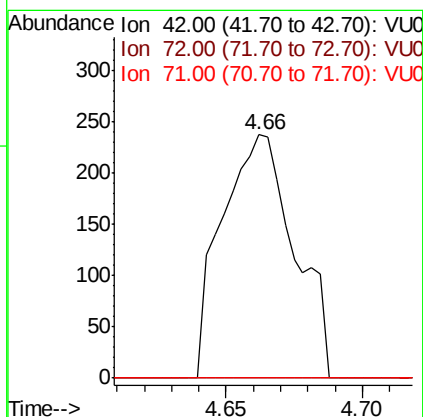
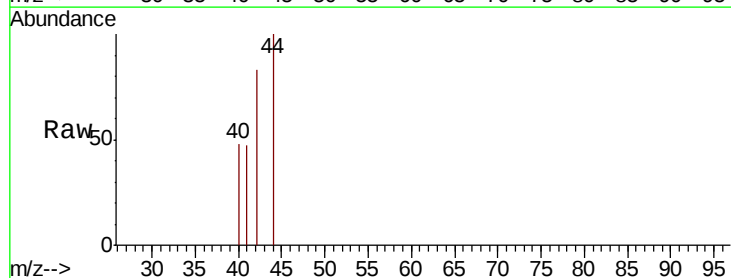
Instrument :
MSVOA_U
ClientSampleId :
VU1002WBL01

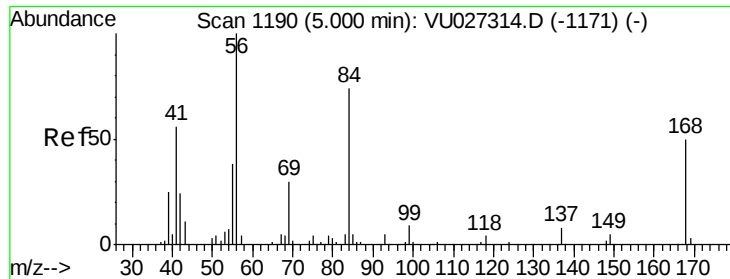
Tot Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
74 18.0 16.5 24.7



#29
Tetrahydrofuran
Concen: 0.514 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

Tgt Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 0.0 30.1 45.1#
71 0.0 27.7 41.5#

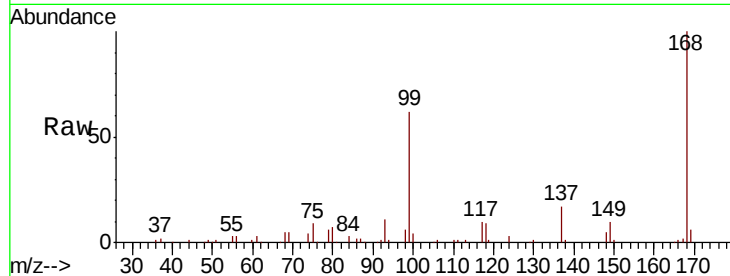




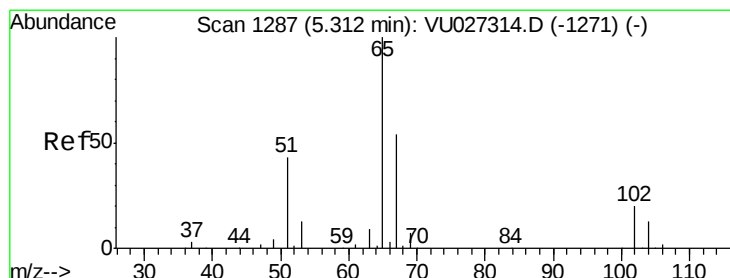
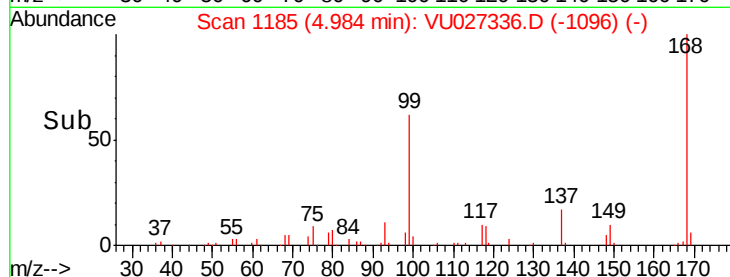
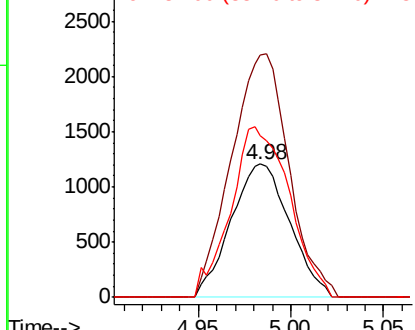
#31
Cyclohexane
Concen: 0.752 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBL01

Tot Ion: 56 Resp: 2649
Ion Ratio Lower Upper
56 100
69 181.9 24.1 36.1#
84 121.0 59.1 88.7#

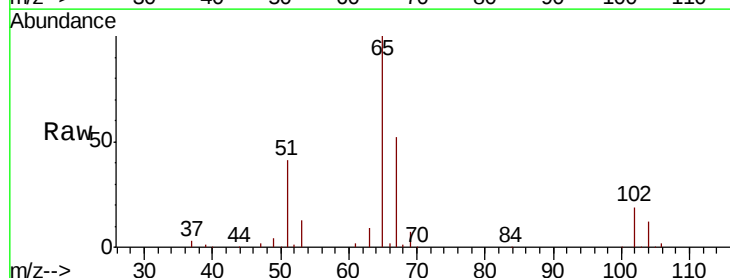


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

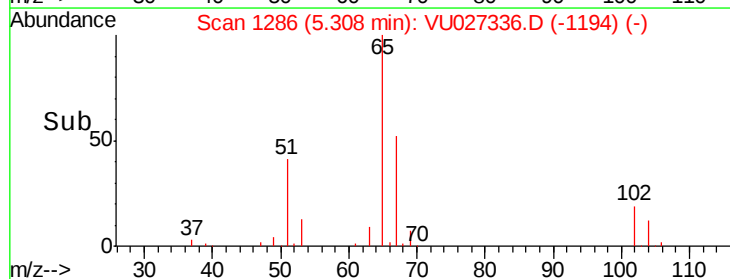
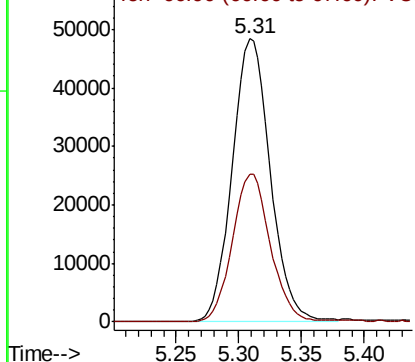


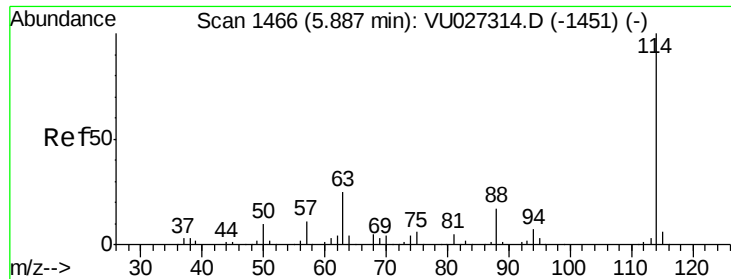
#33
1,2-Dichloroethane-d4
Concen: 61.064 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

Tgt Ion: 65 Resp: 102306
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.8



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

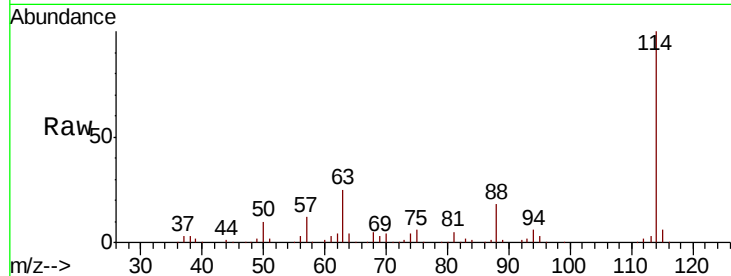




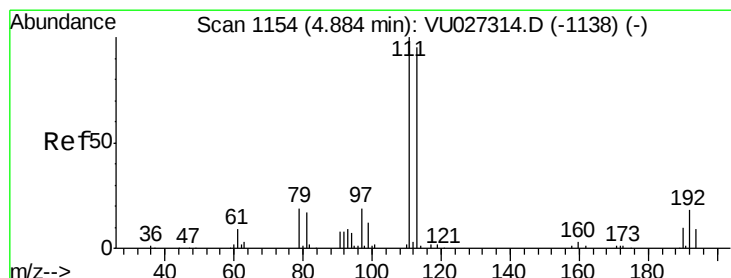
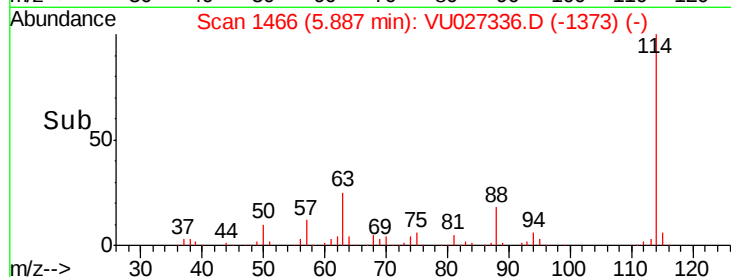
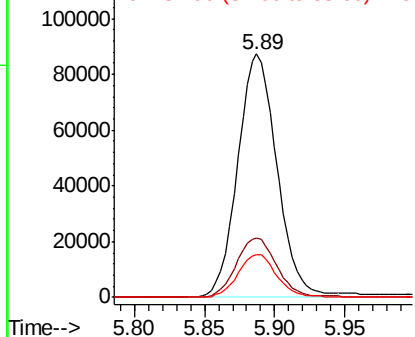
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBL01

Tot Ion:114 Resp: 170620
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.2
 88 17.7 0.0 33.8

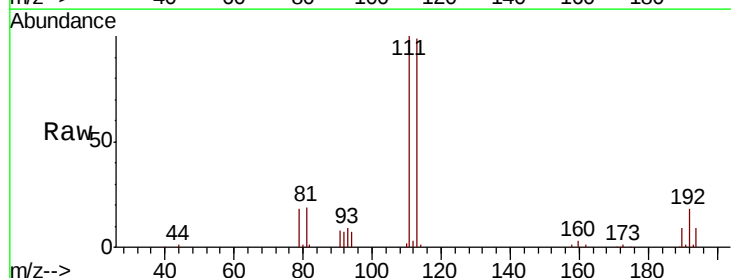


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

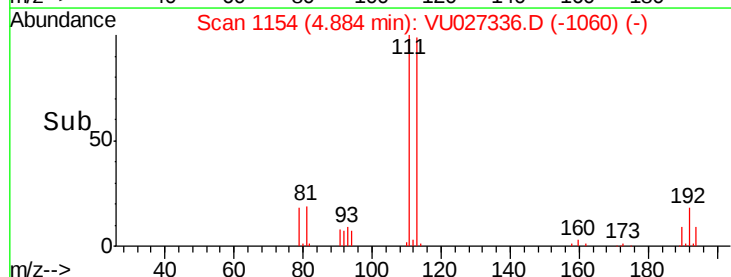
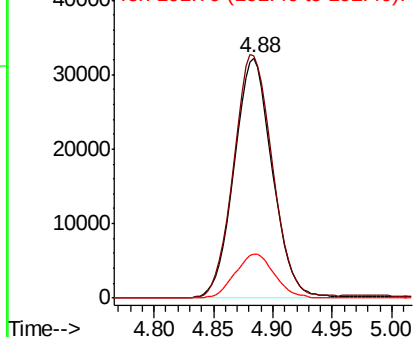


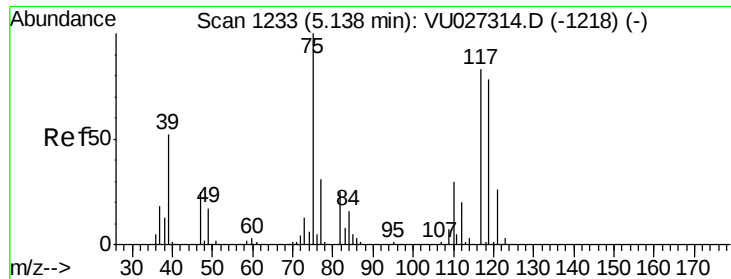
#35
 Dibromofluoromethane
 Concen: 61.231 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Tgt Ion:113 Resp: 71598
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.1 124.7
 192 19.0 15.4 23.0



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

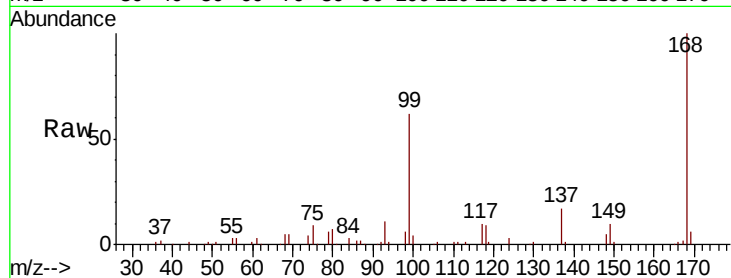




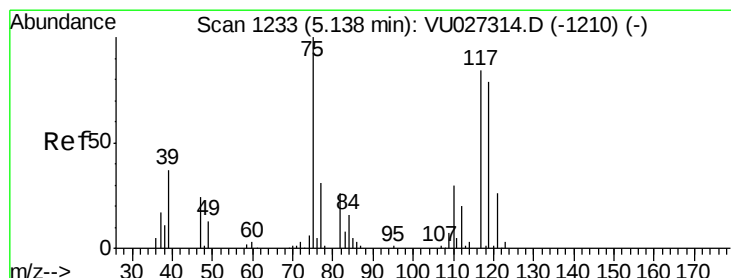
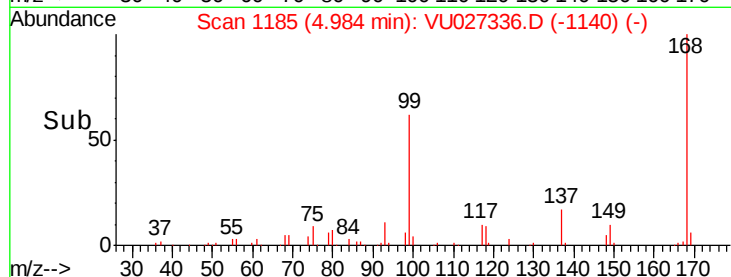
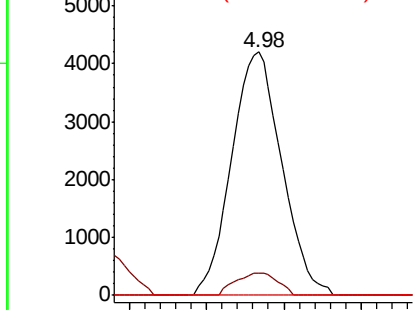
#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.5	46.5#
77	0.0	25.4	38.0#

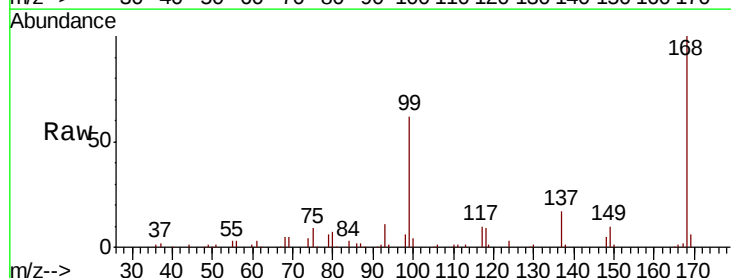


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

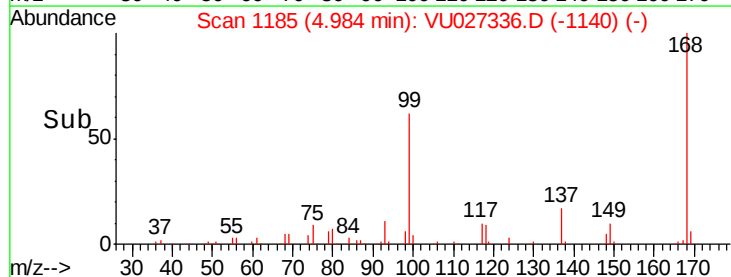
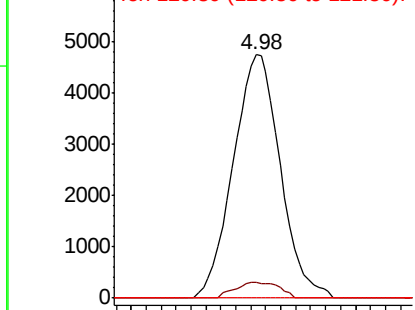


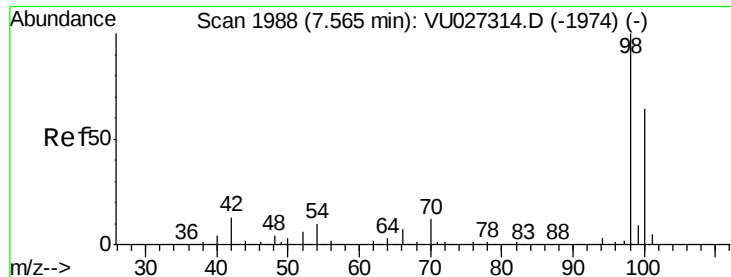
#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	74.5	111.7#
121	0.0	24.6	37.0#



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: 61.623 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

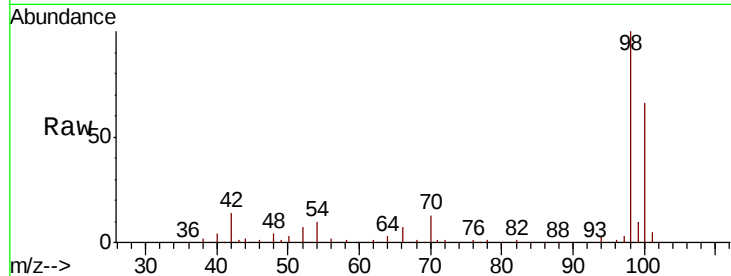
VU1002WBL01

Tot Ion: 98 Resp: 269684

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

7.57

150000

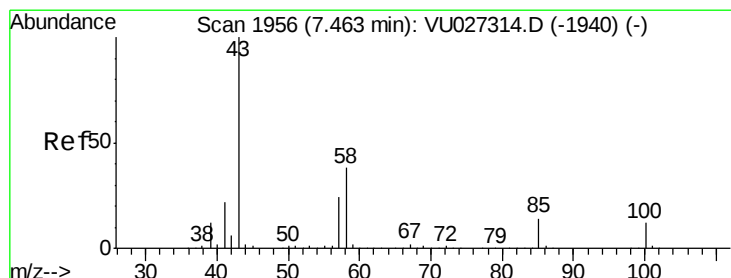
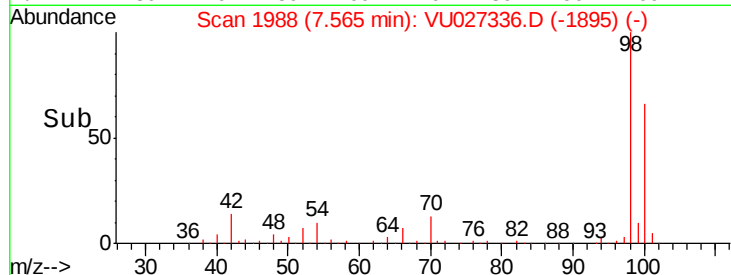
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027336.D

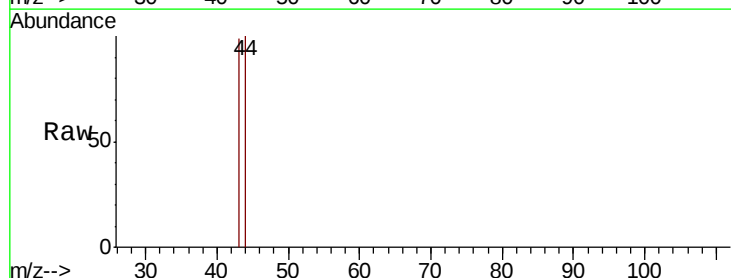
Acq: 02 Oct 2018 09:45

Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

7.47

300

250

200

150

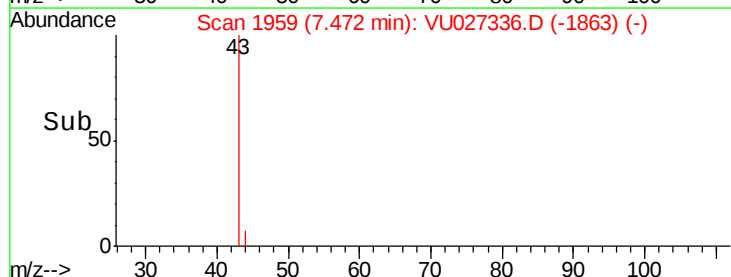
100

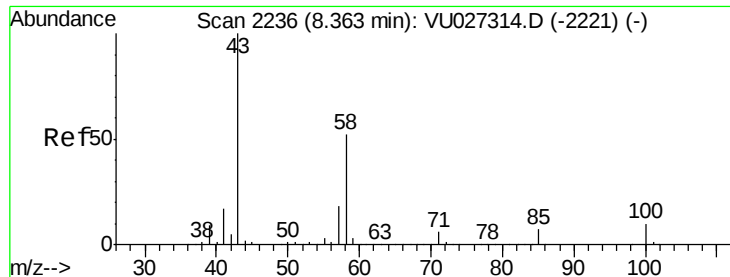
50

0

7.45 7.50

Time-->

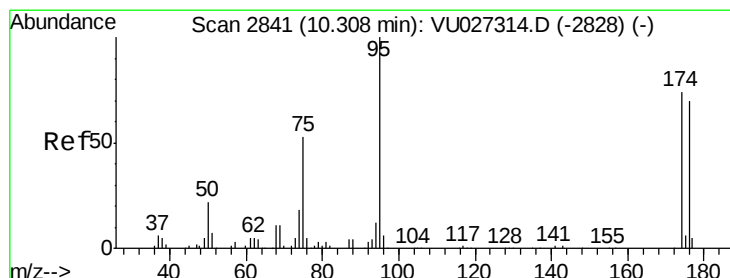
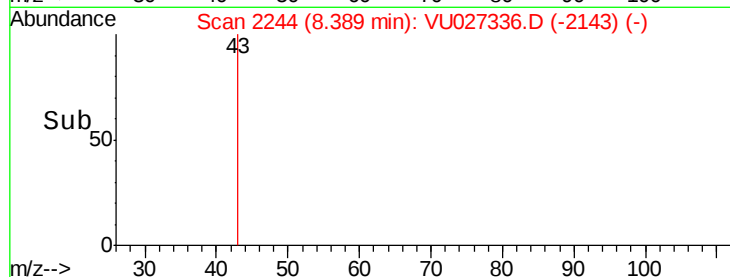
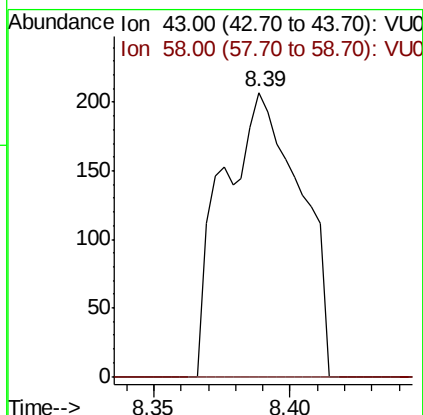
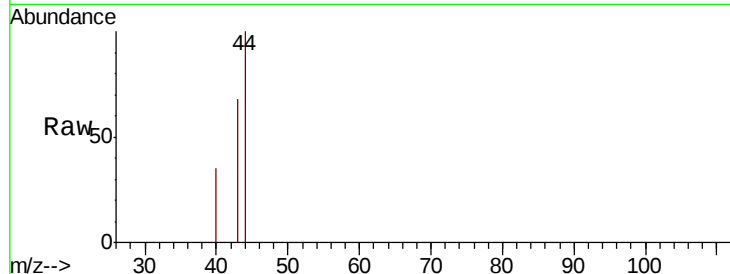




#59
 2-Hexanone
 Concen: 0.218 ug/l
 RT: 8.39 min Scan# 2244
 Delta R.T. 0.03 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

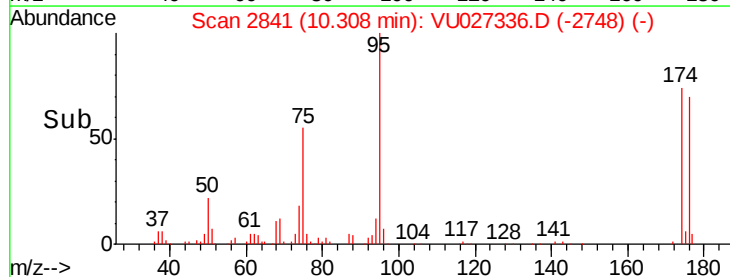
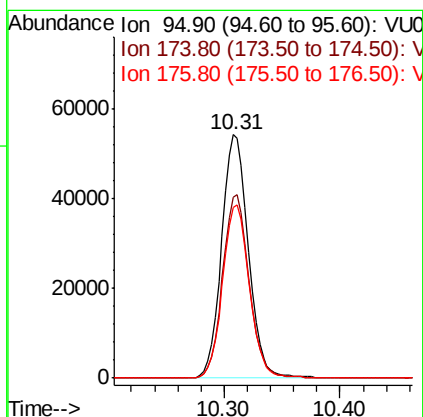
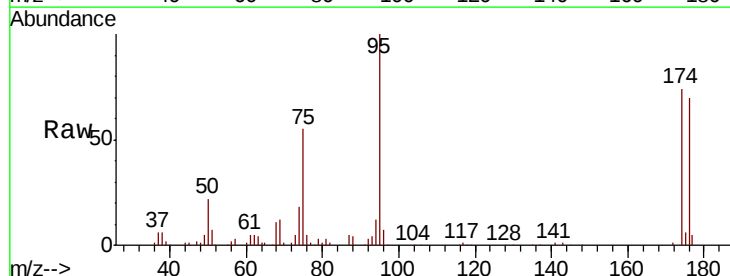
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBL01

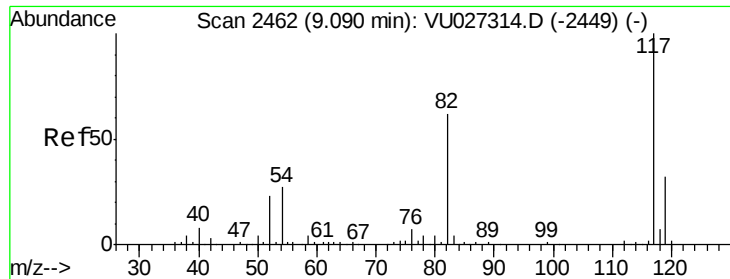
Tot Ion: 43 Resp: 409
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.1 78.3#



#62
 4-Bromofluorobenzene
 Concen: 53.298 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027336.D
 Acq: 02 Oct 2018 09:45

Tgt Ion: 95 Resp: 86686
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 147.8
 176 71.2 0.0 140.8

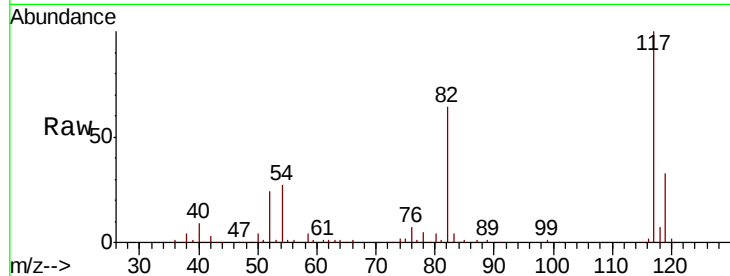




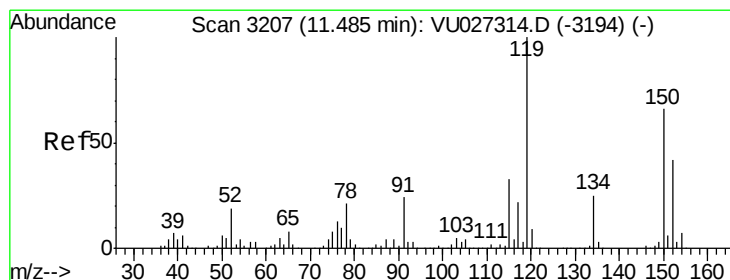
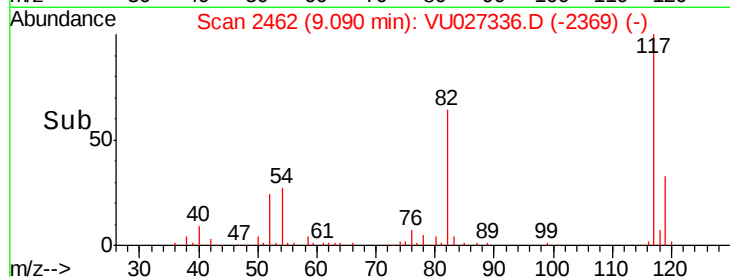
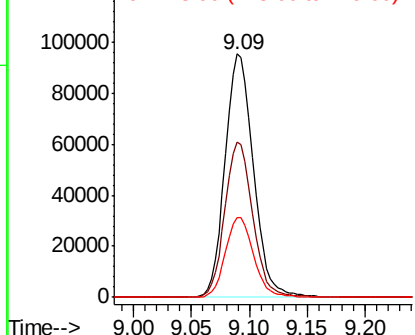
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBL01

Tot Ion:117 Resp: 161313
Ion Ratio Lower Upper
117 100
82 64.0 49.2 73.8
119 32.8 25.7 38.5

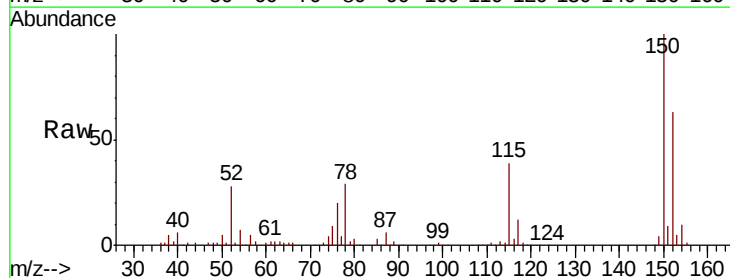


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

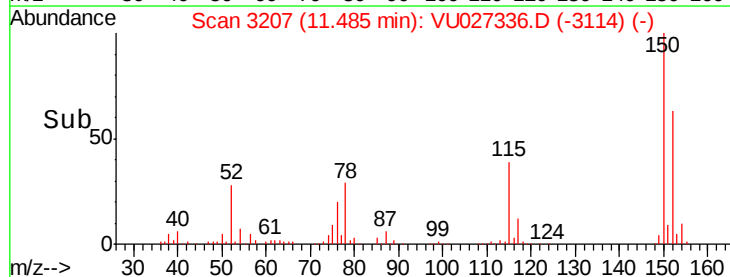
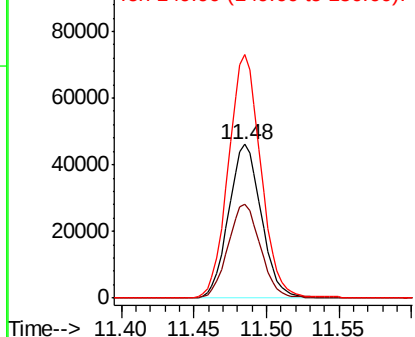


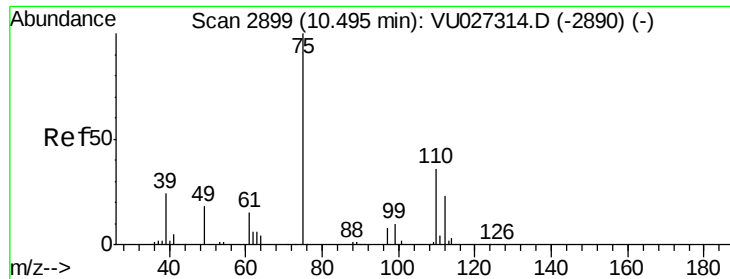
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027336.D
Acq: 02 Oct 2018 09:45

Tgt Ion:152 Resp: 71954
Ion Ratio Lower Upper
152 100
115 60.9 43.4 130.2
150 158.0 0.0 349.2



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: 25.433 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

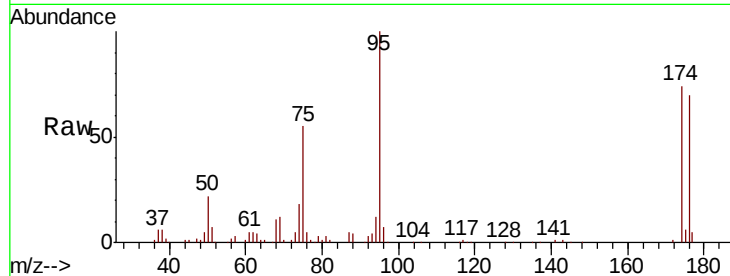
VU1002WBL01

Tot Ion: 75 Resp: 47438

Ion Ratio Lower Upper

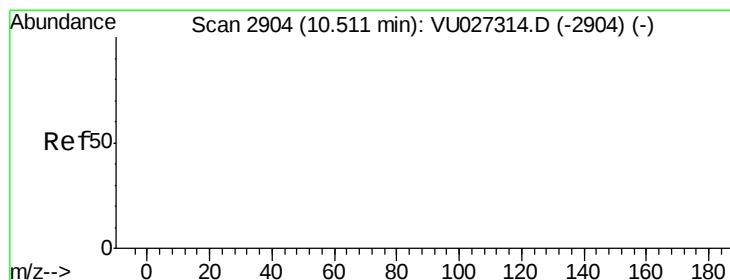
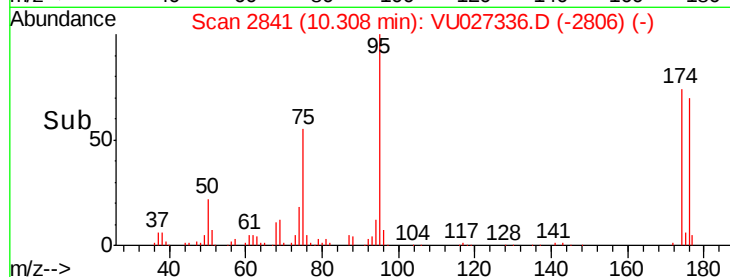
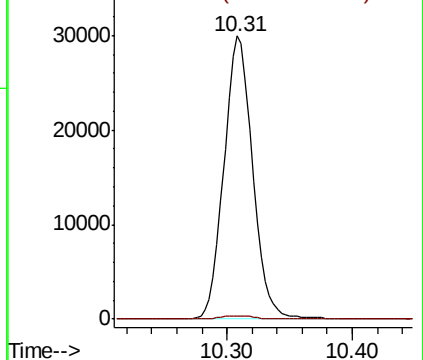
75 100

77 1.3 20.3 60.9#



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: 66.561 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

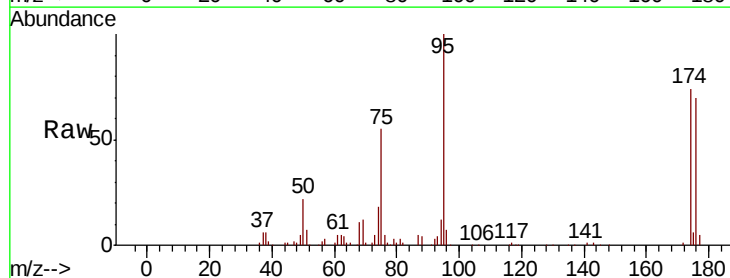
Tgt Ion: 75 Resp: 47438

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

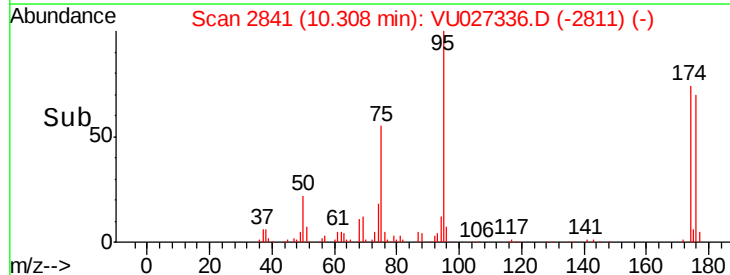
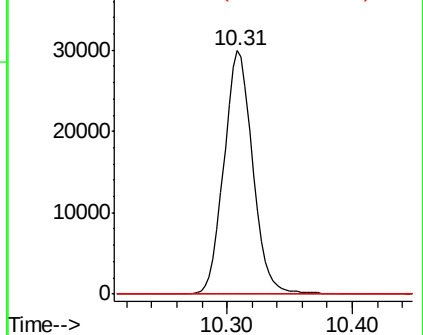
89 0.0 0.0 0.0

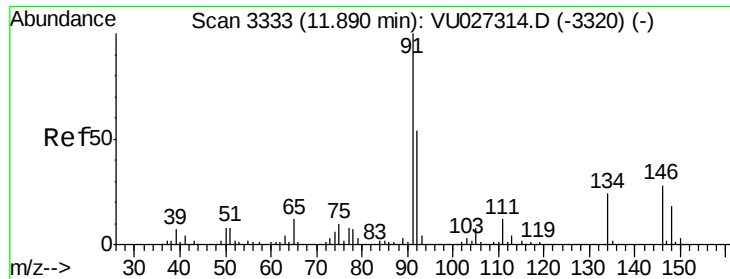


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#89

n-Butylbenzene

Concen: 1.992 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBL01

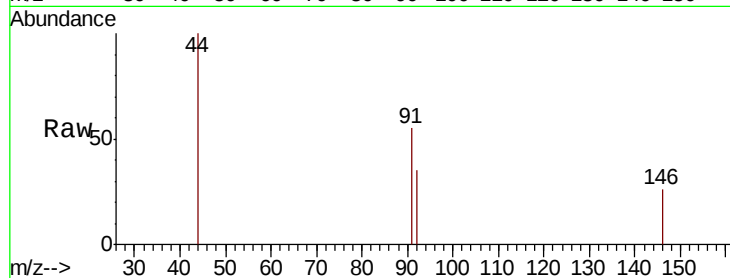
Tot Ion: 91 Resp: 209

Ion Ratio Lower Upper

91 100

92 44.5 27.0 81.0

134 0.0 11.7 35.1#

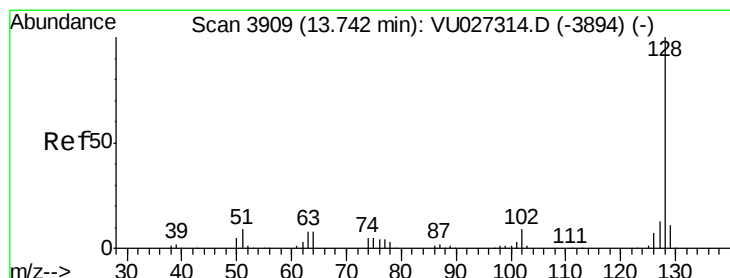
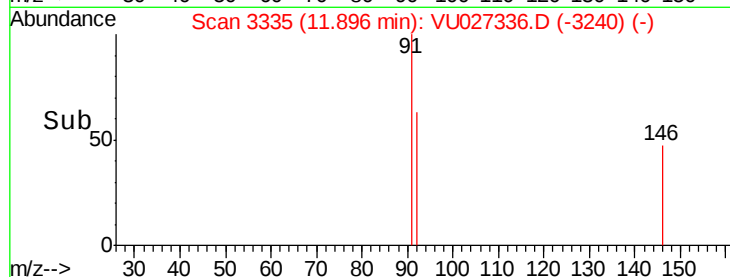


Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

Time-->



#95

Naphthalene

Concen: 1.984 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027336.D

Acq: 02 Oct 2018 09:45

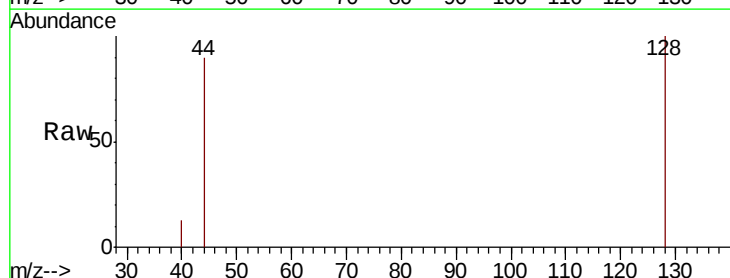
Tgt Ion: 128 Resp: 1823

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU027314.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU027314.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU027314.D (-3894) (-)

Time-->

