

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027384.D
 Acq On : 04 Oct 2018 02:31
 Operator : MD/SY
 Sample : J5218-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 07:38:31 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	4.99	168	91682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83311	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	101520	66.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	132.62%		
35) Dibromofluoromethane	4.88	113	69102	60.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.26%		
50) Toluene-d8	7.57	98	258051	60.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.00%		
62) 4-Bromofluorobenzene	10.31	95	87152	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.04%		

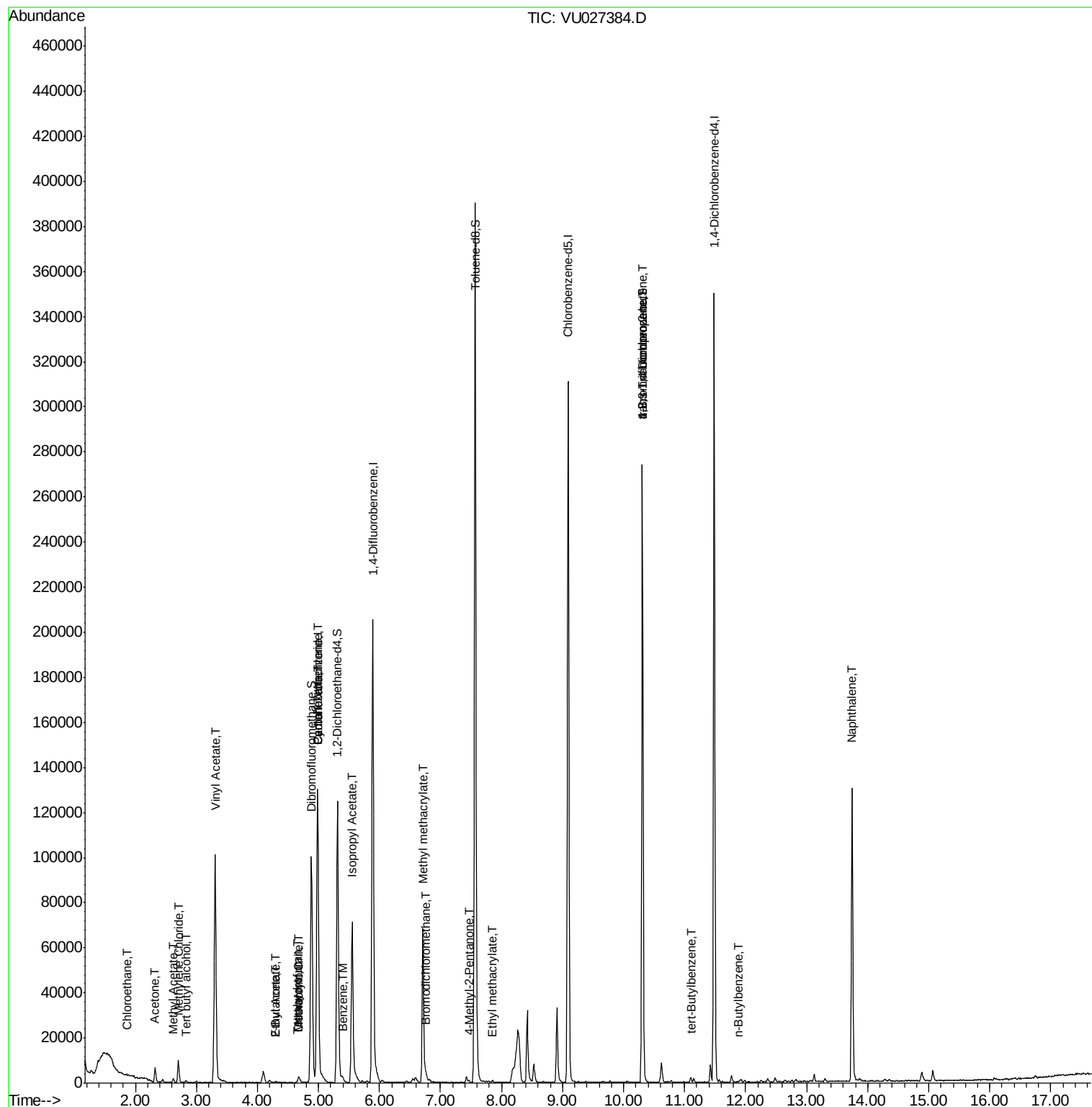
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.87	64	378	0.374	ug/l #	44
11) Tert butyl alcohol	2.82	59	936	2.903	ug/l #	72
16) Acetone	2.32	43	7293	8.064	ug/l	100
18) Methyl Acetate	2.62	43	2221	1.076	ug/l	94
20) Methylene Chloride	2.70	84	3924	3.115	ug/l	96
23) Vinyl Acetate	3.31	43	33903	8.305	ug/l #	57
25) 2-Butanone	4.29	43	669	0.542	ug/l #	54
29) Tetrahydrofuran	4.66	42	388	0.499	ug/l #	39
30) Chloroform	4.68	83	2338	1.095	ug/l	95
31) Cyclohexane	4.99	56	2875	0.938	ug/l #	1
37) Ethyl Acetate	4.29	43	669	0.284	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9335	5.676	ug/l #	19
40) Benzene	5.40	78	1411	0.266	ug/l	93
41) Methacrylonitrile	4.67	41	276	0.208	ug/l #	27
43) Isopropyl Acetate	5.55	43	86352	23.629	ug/l	99
47) Bromodichloromethane	6.76	83	489	0.273	ug/l #	80
48) Methyl methacrylate	6.71	41	7285	4.009	ug/l #	42
51) 4-Methyl-2-Pentanone	7.47	43	762	0.321	ug/l #	38
56) Ethyl methacrylate	7.84	69	74	2.301	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	48026	22.238	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	48026	58.200	ug/l #	100
83) tert-Butylbenzene	11.10	119	1250	0.262	ug/l	88
89) n-Butylbenzene	11.89	91	156	1.977	ug/l #	33
95) Naphthalene	13.75	128	100465	17.081	ug/l	99

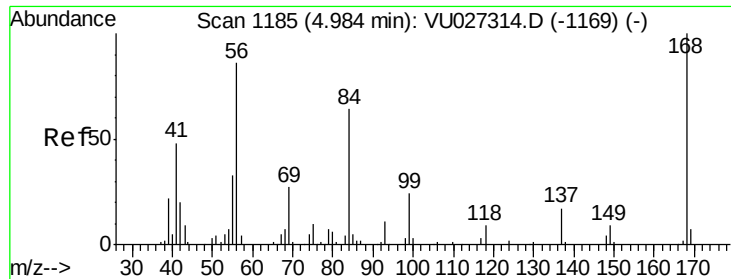
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Instrument :

MSVOA_U

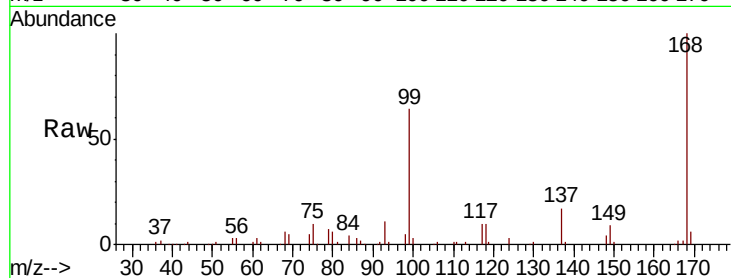
ClientSampleId :

Tot Ion:168 Resp: 91682

Ion Ratio Lower Upper

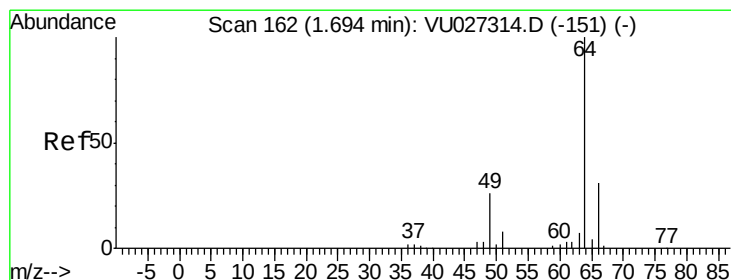
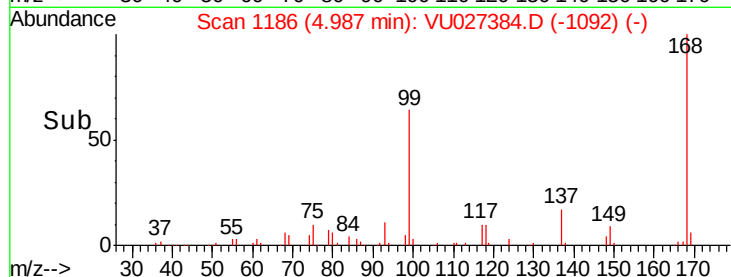
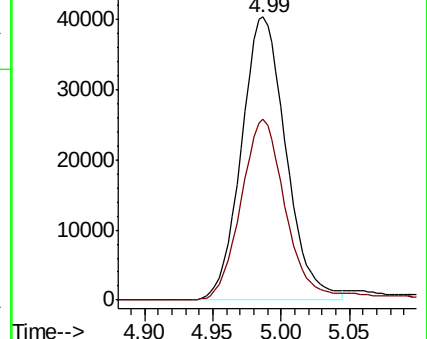
168 100

99 64.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027384.D (-1092) (-)



#6

Chloroethane

Concen: 0.374 ug/l

RT: 1.87 min Scan# 216

Delta R.T. 0.17 min

Lab File: VU027384.D

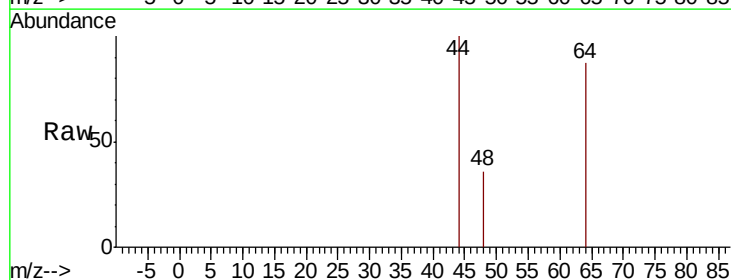
Acq: 04 Oct 2018 02:31

Tgt Ion: 64 Resp: 378

Ion Ratio Lower Upper

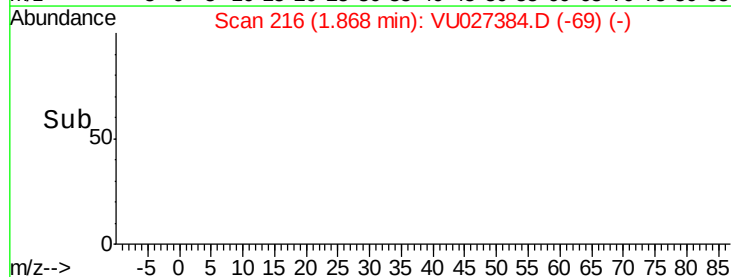
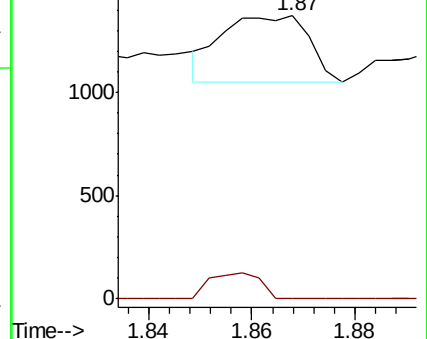
64 100

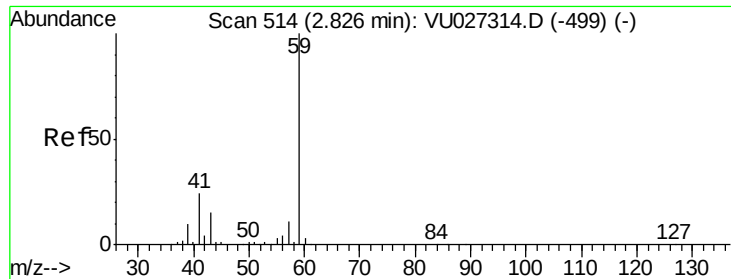
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027384.D (-69) (-)

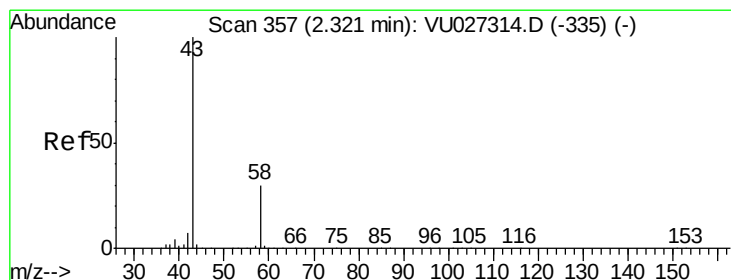
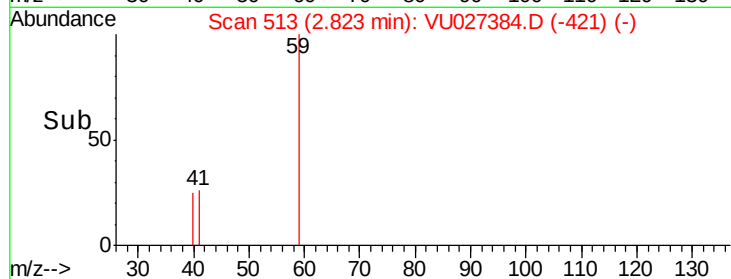
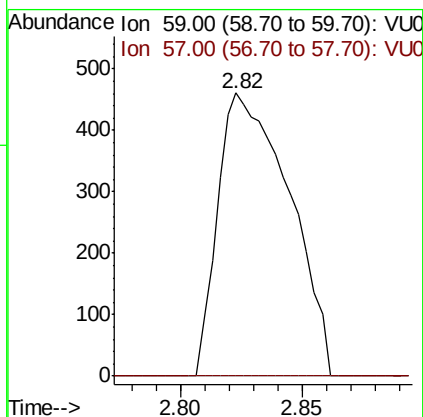
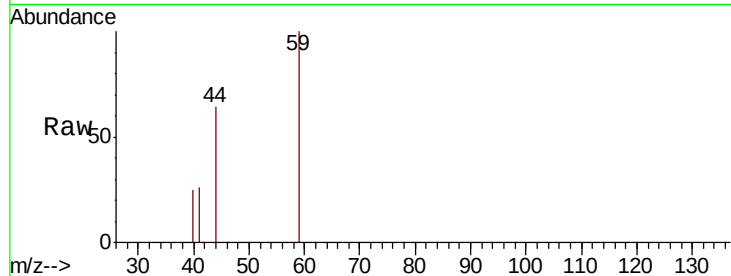




#11
Tert butyl alcohol
Concen: 2.903 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

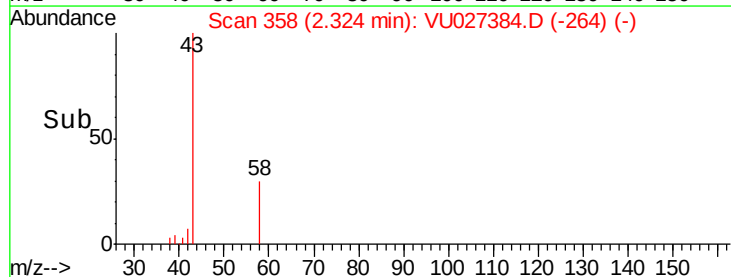
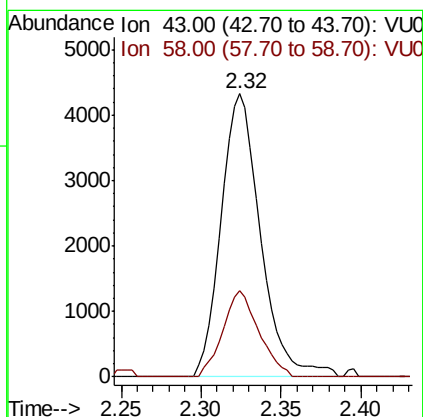
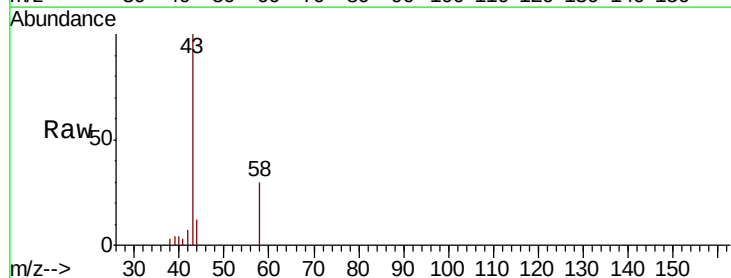
Instrument :
MSVOA_U
ClientSampleId :

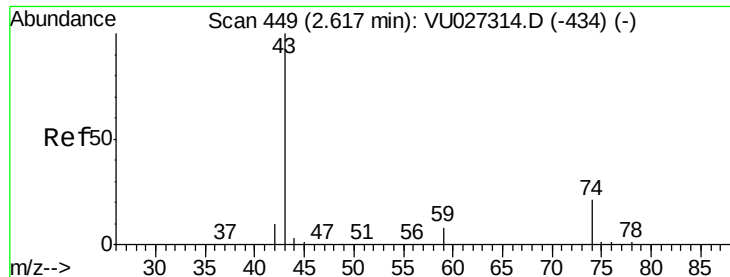
Tot Ion: 59 Resp: 936
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 8.064 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 43 Resp: 7293
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.4

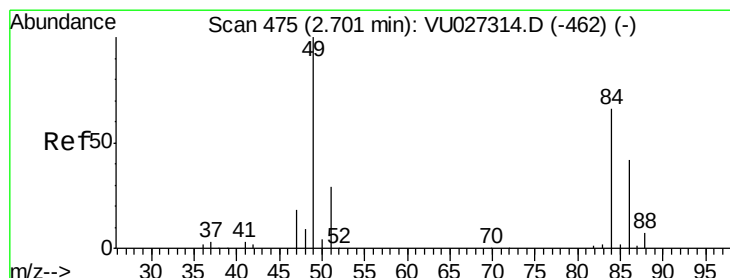
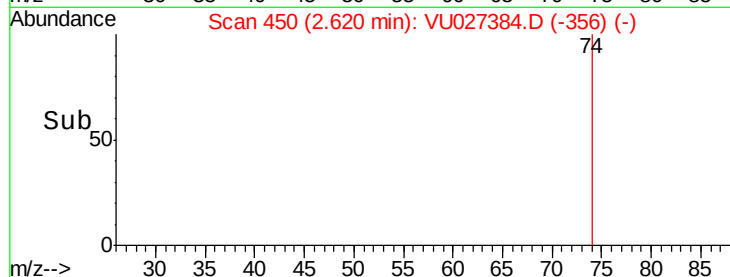
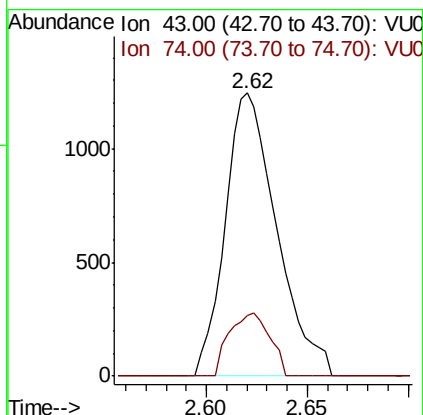
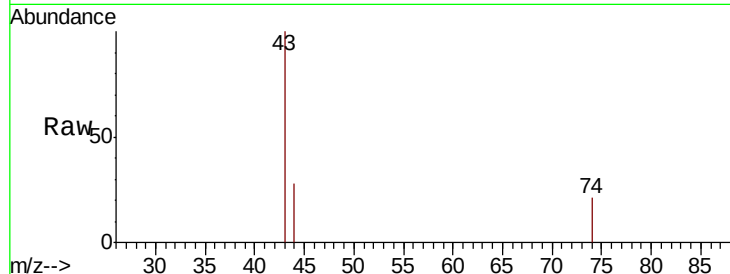




#18
Methvl Acetate
Concen: 1.076 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

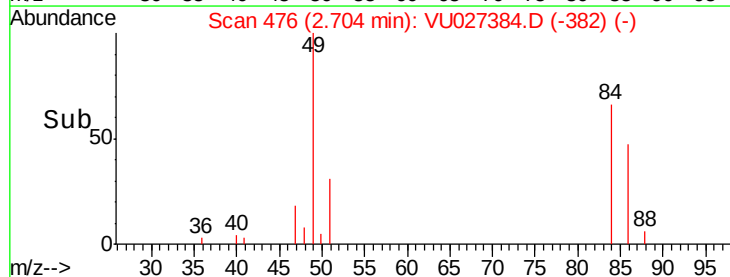
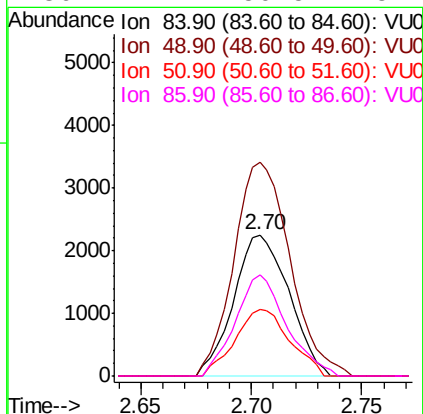
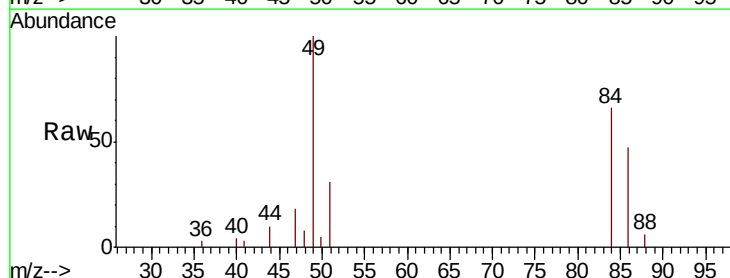
Instrument :
MSVOA_U
ClientSampled :

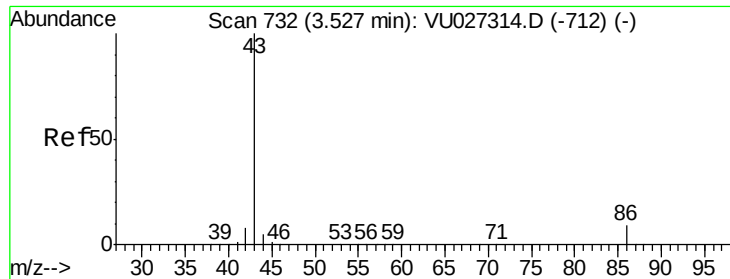
Tot Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 17.7 16.5 24.7



#20
Methylene Chloride
Concen: 3.115 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 84 Resp: 3924
Ion Ratio Lower Upper
84 100
49 151.1 120.5 180.7
51 47.1 35.1 52.7
86 71.7 50.5 75.7

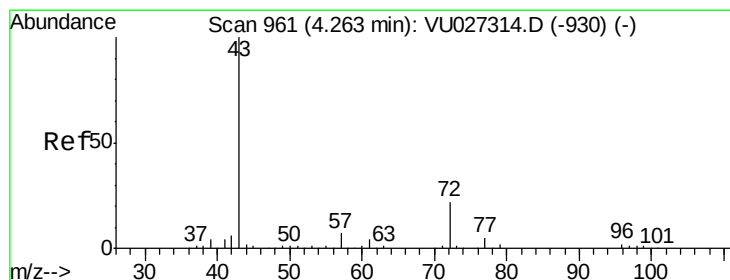
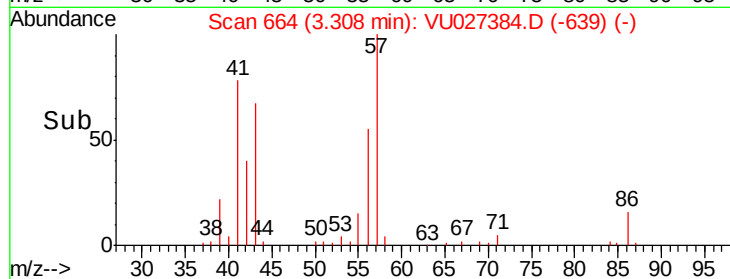
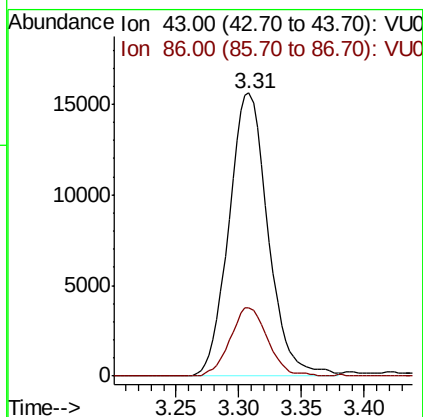
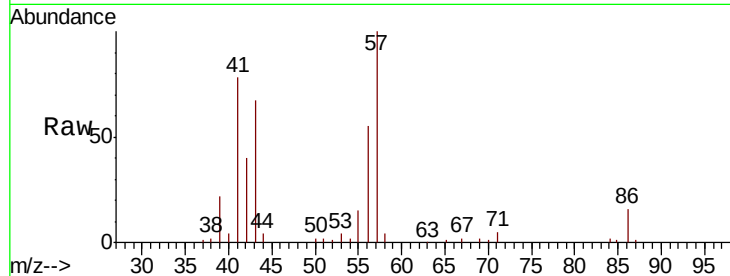




#23
 Vinyl Acetate
 Concen: 8.305 ug/l
 RT: 3.31 min Scan# 664
 Delta R.T. -0.22 min
 Lab File: VU027384.D
 Acq: 04 Oct 2018 02:31

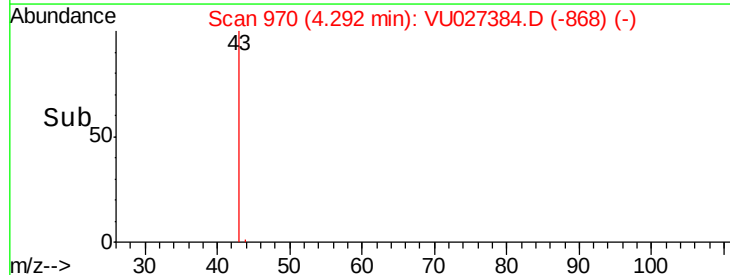
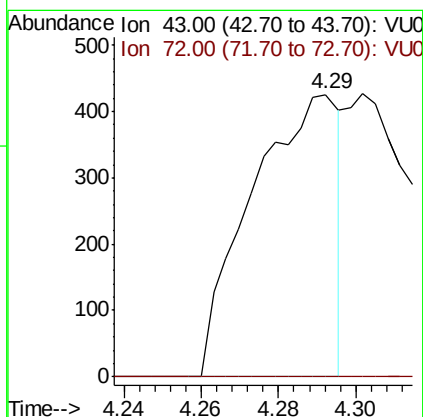
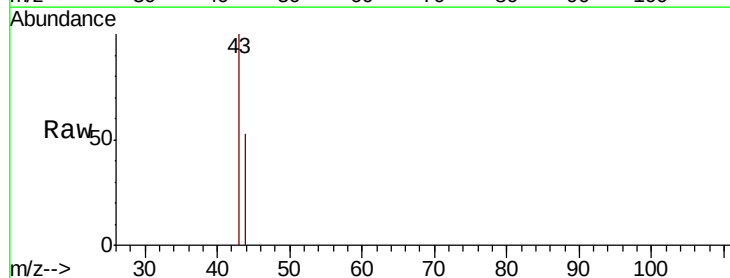
Instrument :
 MSVOA_U
 ClientSampleId :

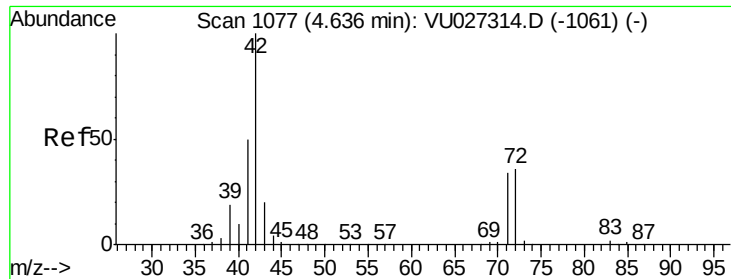
Tot Ion: 43 Resp: 33903
 Ion Ratio Lower Upper
 43 100
 86 24.2 7.0 10.4#



#25
 2-Butanone
 Concen: 0.542 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.03 min
 Lab File: VU027384.D
 Acq: 04 Oct 2018 02:31

Tgt Ion: 43 Resp: 669
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#

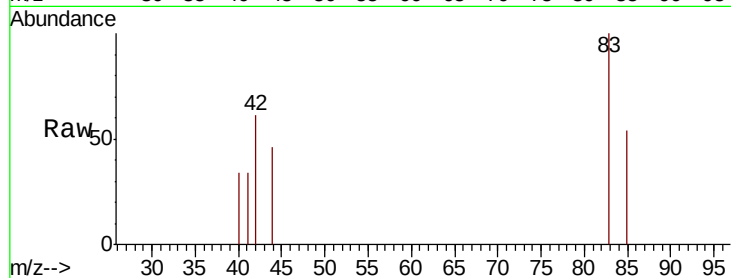




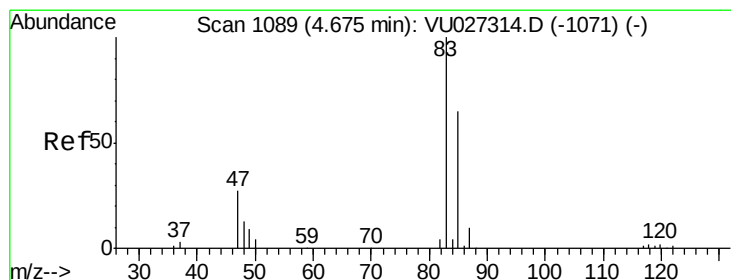
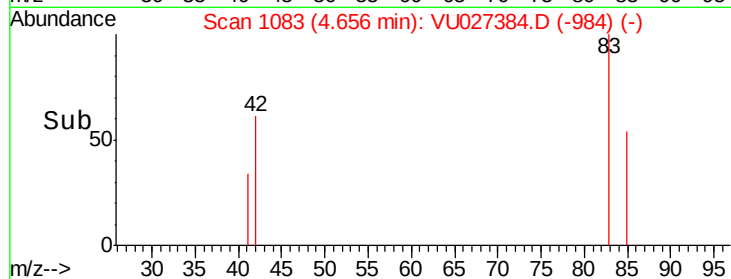
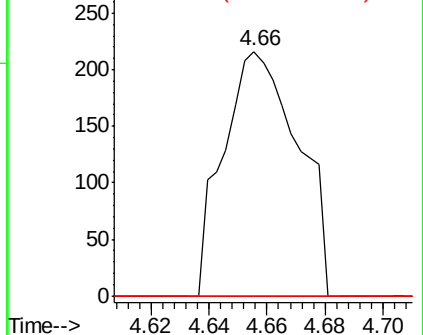
#29
Tetrahydrofuran
Concen: 0.499 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 42 Resp: 388
Ion Ratio Lower Upper
42 100
72 0.0 30.1 45.1#
71 0.0 27.7 41.5#

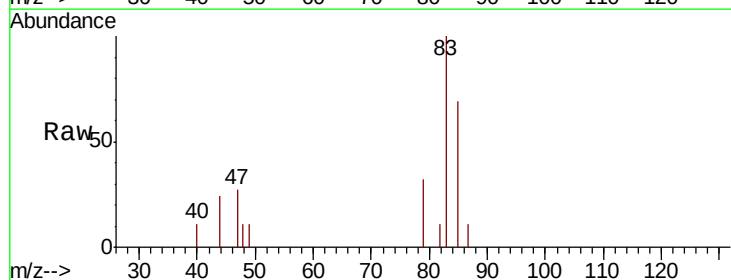


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

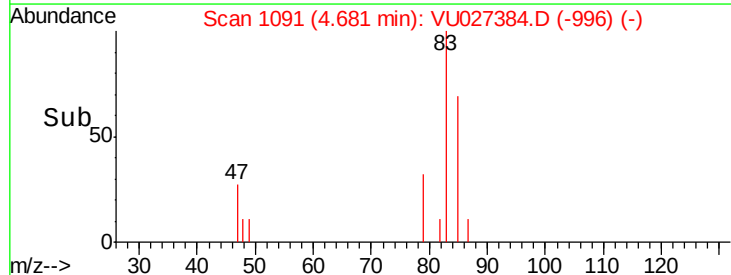
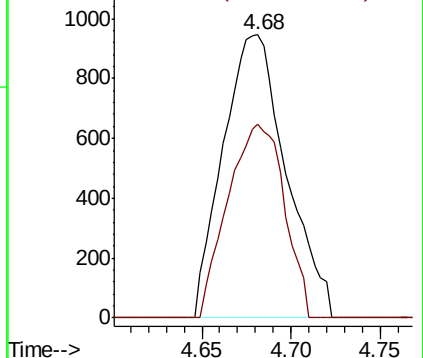


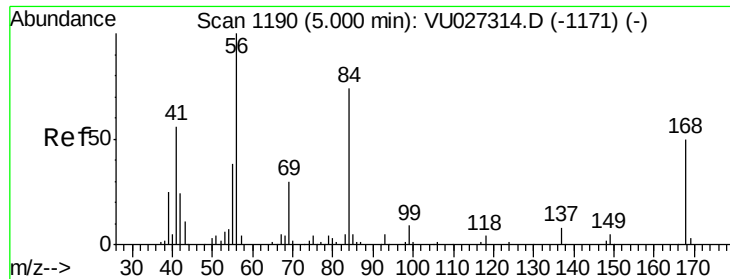
#30
Chloroform
Concen: 1.095 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 83 Resp: 2338
Ion Ratio Lower Upper
83 100
85 68.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 0.938 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Instrument :
MSVOA_U
ClientSampled :

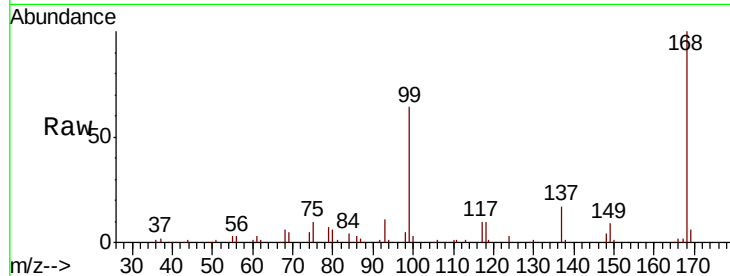
Tot Ion: 56 Resp: 2875

Ion Ratio Lower Upper

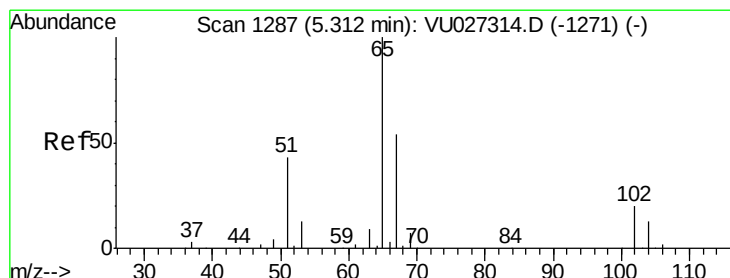
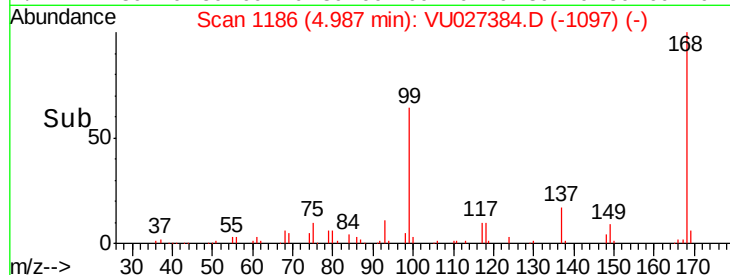
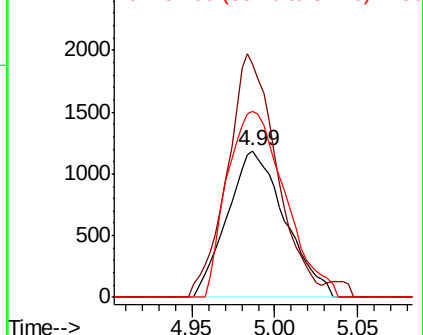
56 100

69 159.1 24.1 36.1#

84 127.0 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: 66.313 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027384.D

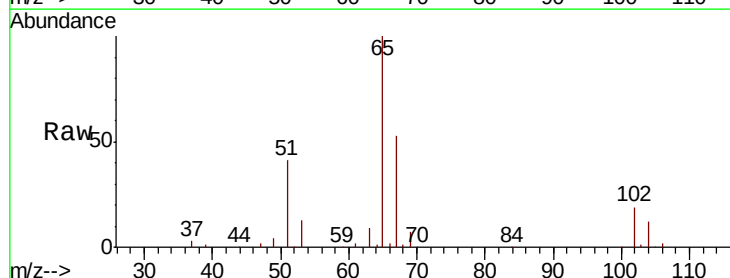
Acq: 04 Oct 2018 02:31

Tgt Ion: 65 Resp: 101520

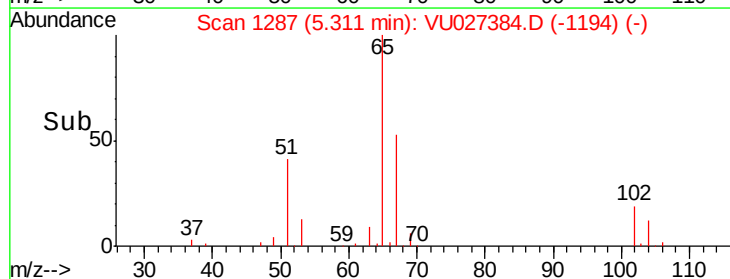
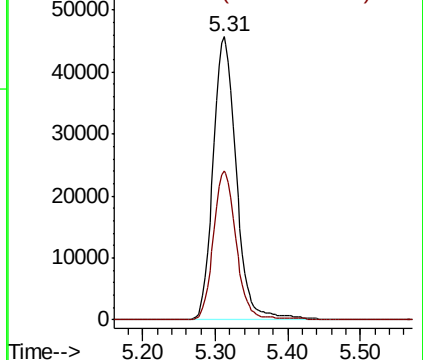
Ion Ratio Lower Upper

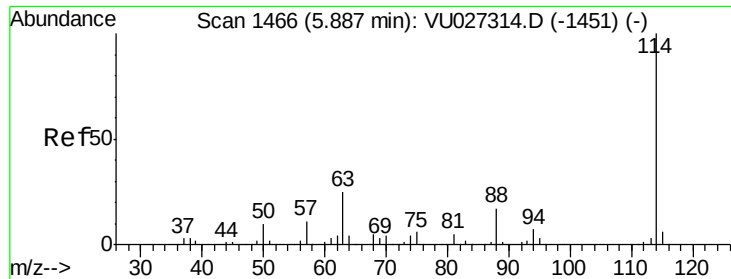
65 100

67 51.8 0.0 107.8



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

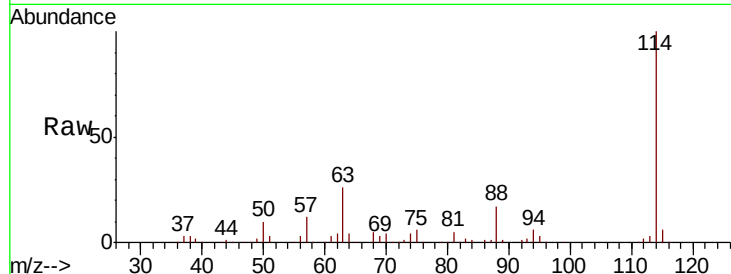




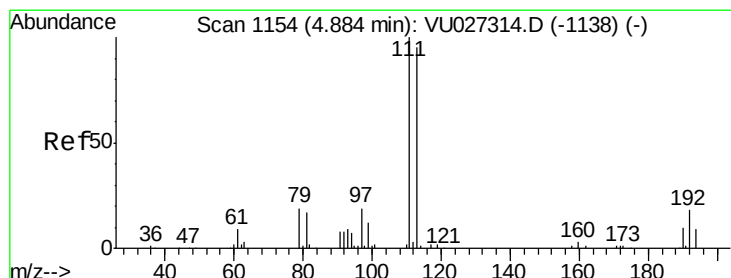
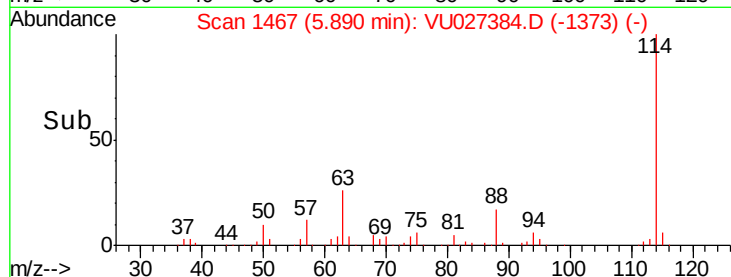
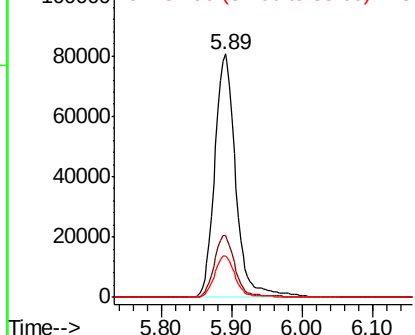
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027384.D
 Acq: 04 Oct 2018 02:31

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 167685
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.2
 88 17.2 0.0 33.8

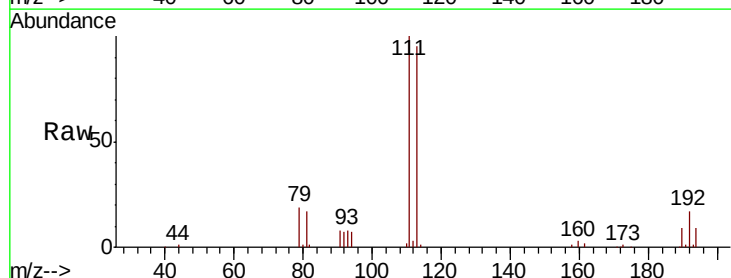


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

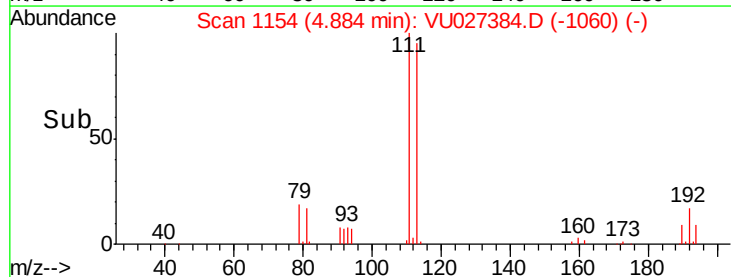
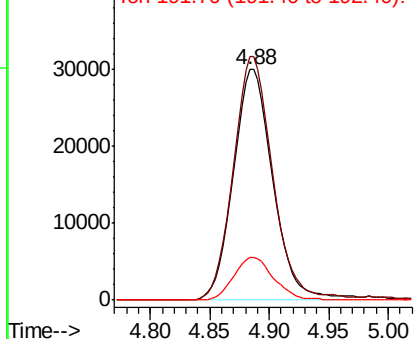


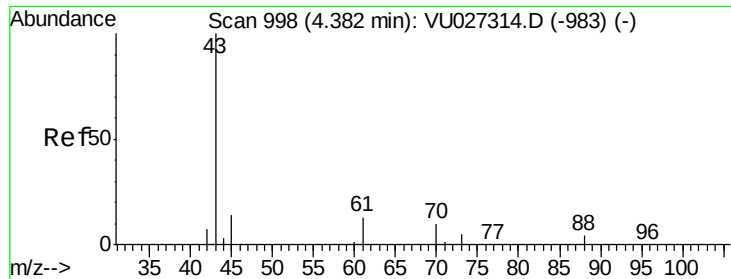
#35
 Dibromofluoromethane
 Concen: 60.131 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027384.D
 Acq: 04 Oct 2018 02:31

Tgt Ion:113 Resp: 69102
 Ion Ratio Lower Upper
 113 100
 111 105.2 83.1 124.7
 192 18.7 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

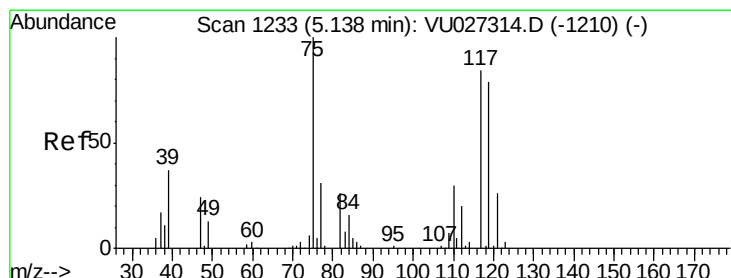
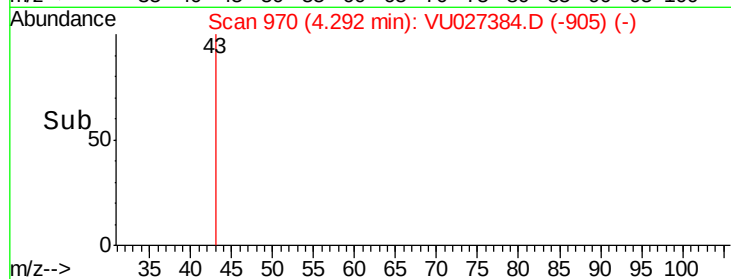
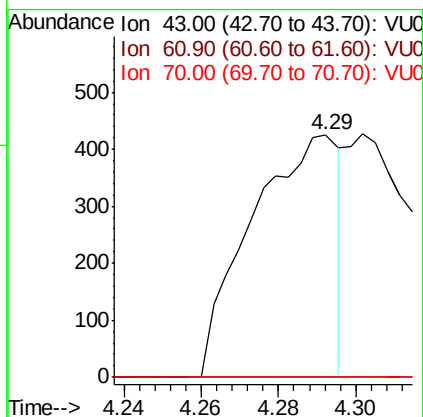
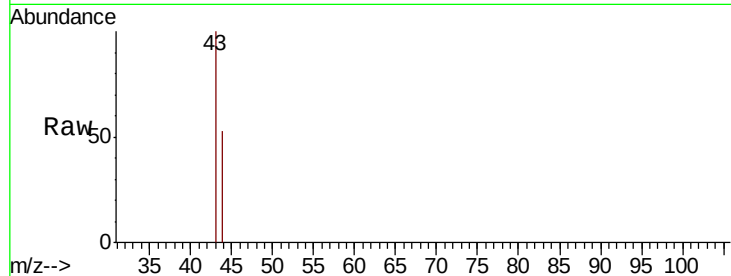




#37
Ethyl Acetate
Concen: 0.284 ug/l
RT: 4.29 min Scan# 970
Delta R.T. -0.09 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

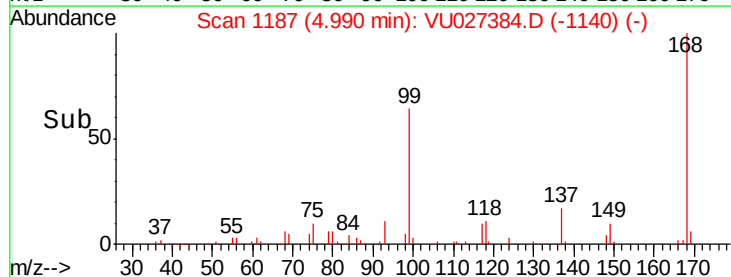
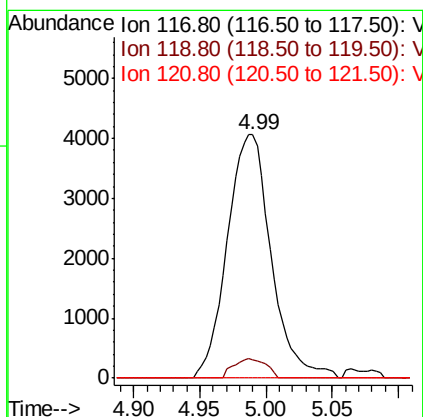
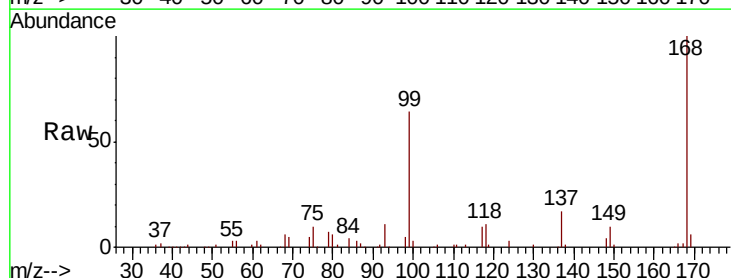
Instrument :
MSVOA_U
ClientSampleId :

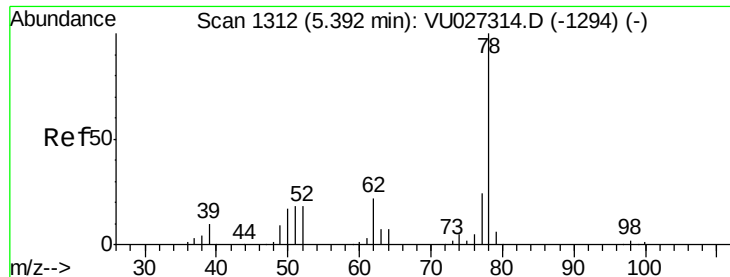
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.15 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 117 Resp: 9335
Ion Ratio Lower Upper
117 100
119 7.3 74.5 111.7#
121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.266 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

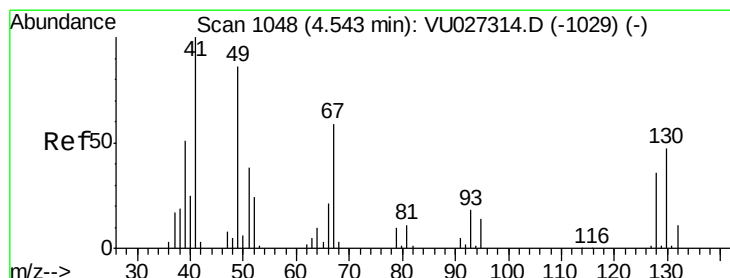
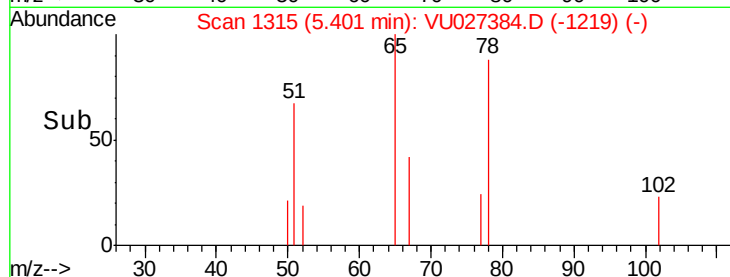
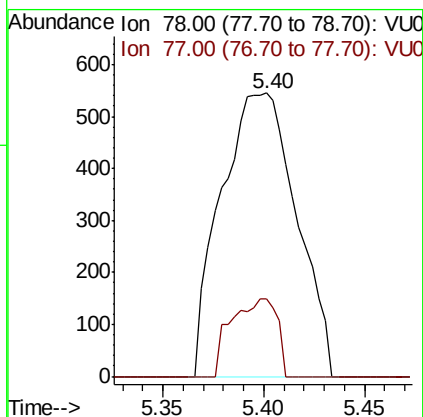
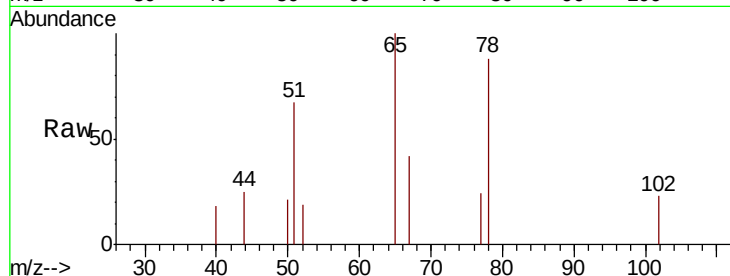
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 1411

Ion Ratio Lower Upper

78 100

77 27.5 19.3 28.9



#41

Methacrylonitrile

Concen: 0.208 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.12 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Tgt Ion: 41 Resp: 276

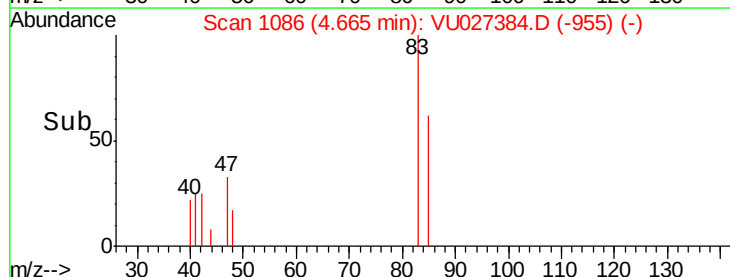
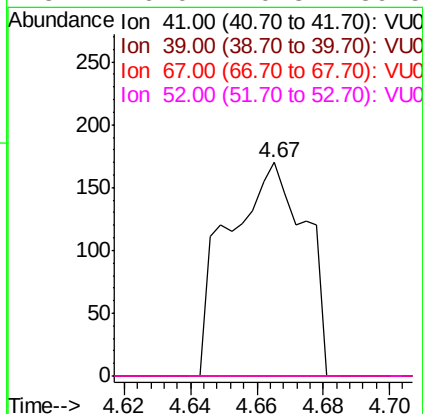
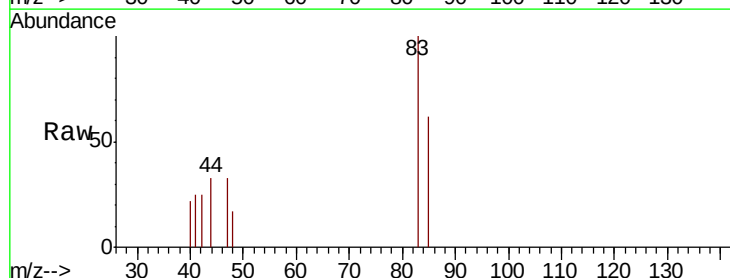
Ion Ratio Lower Upper

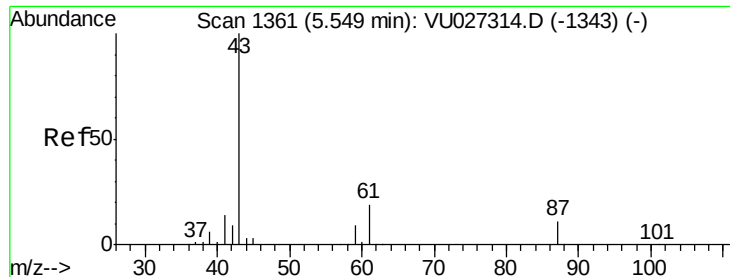
41 100

39 0.0 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#





#43

Isopropyl Acetate

Concen: 23.629 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Instrument :

MSVOA_U

ClientSampleId :

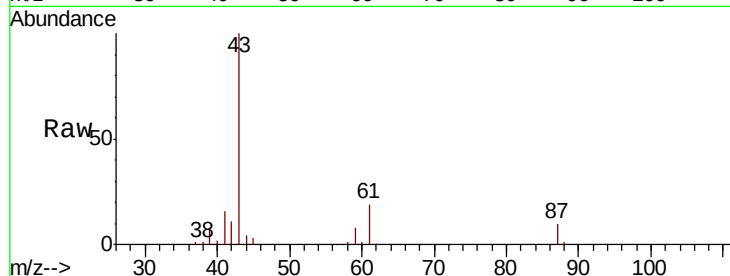
Tot Ion: 43 Resp: 86352

Ion Ratio Lower Upper

43 100

61 19.0 15.3 22.9

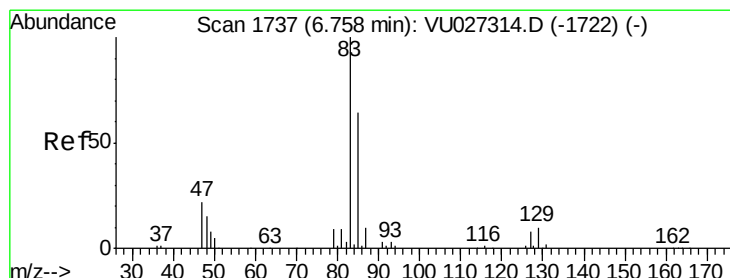
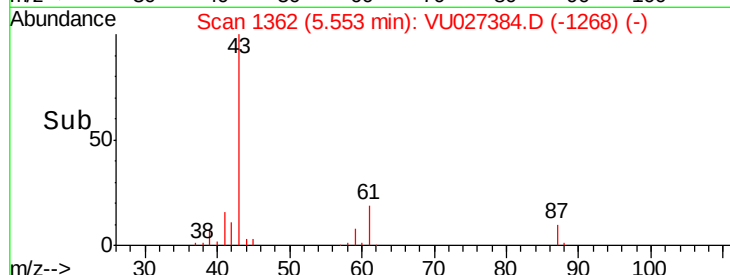
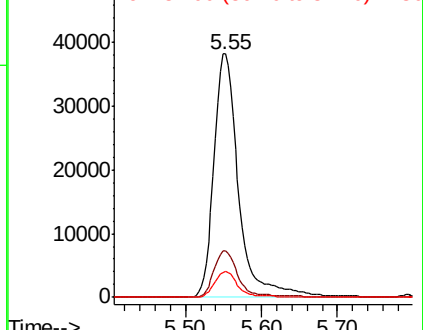
87 9.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#47

Bromodichloromethane

Concen: 0.273 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

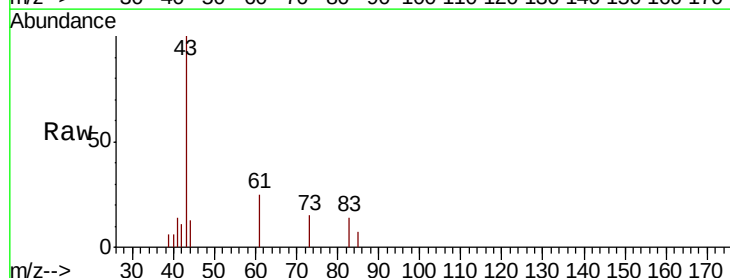
Tgt Ion: 83 Resp: 489

Ion Ratio Lower Upper

83 100

85 48.7 51.4 77.0#

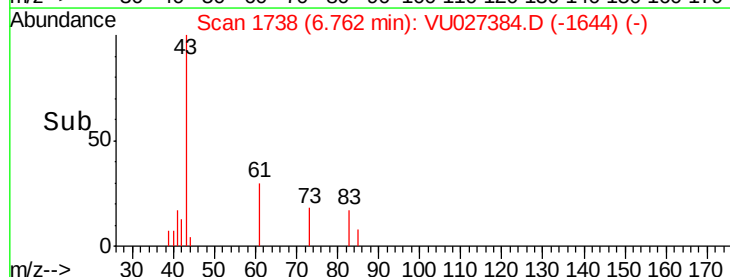
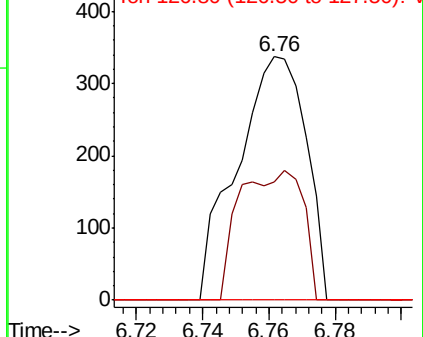
127 0.0 6.3 9.5#

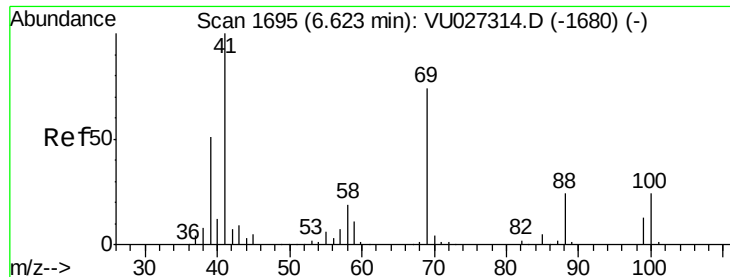


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V

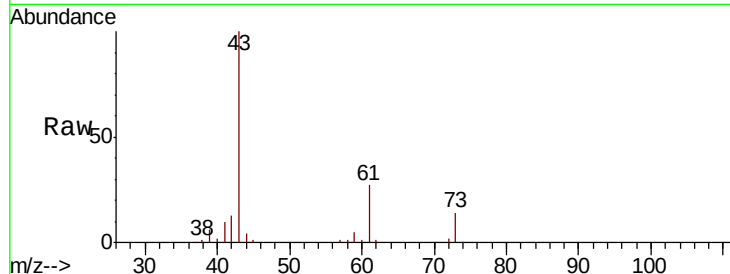




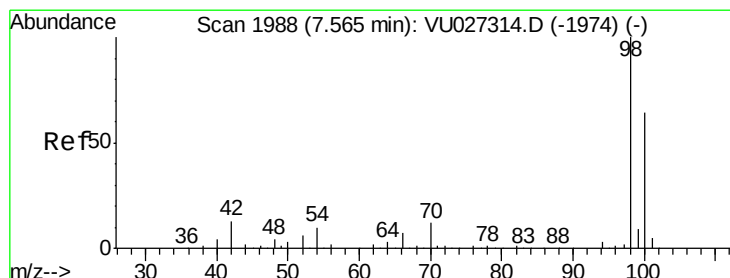
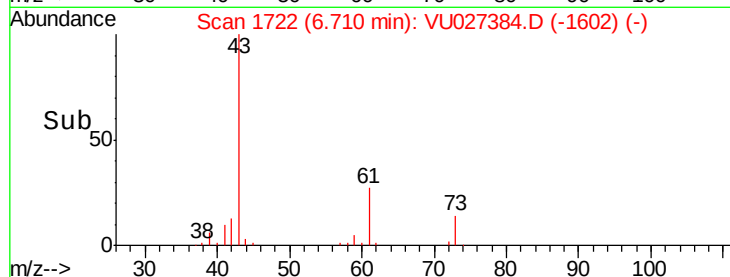
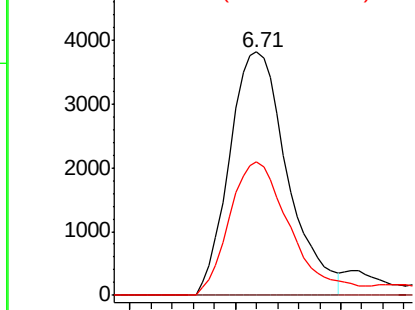
#48
Methvl methacrylate
Concen: 4.009 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 7285
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 58.0 39.9 59.9

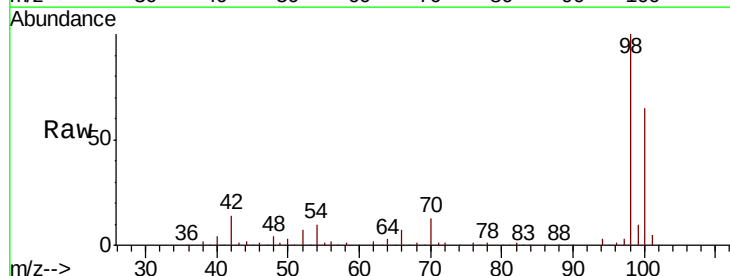


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

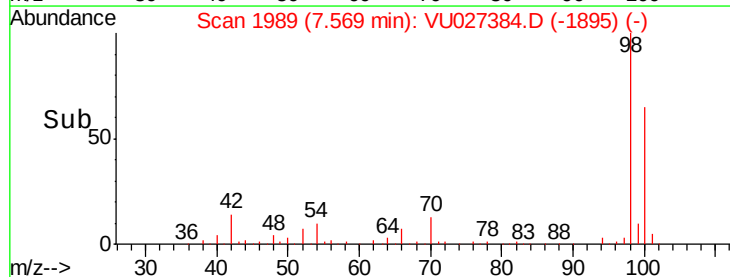
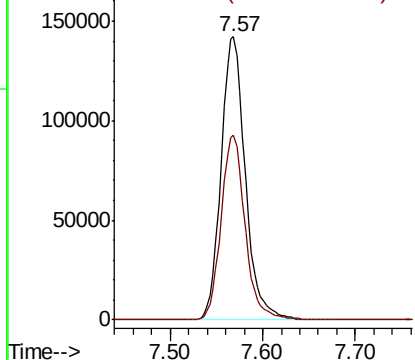


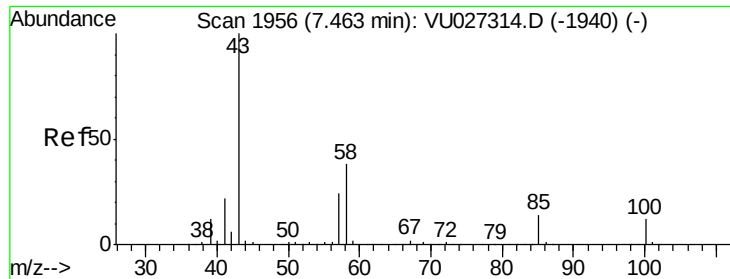
#50
Toluene-d8
Concen: 59.997 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 98 Resp: 258051
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.321 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Instrument :

MSVOA_U

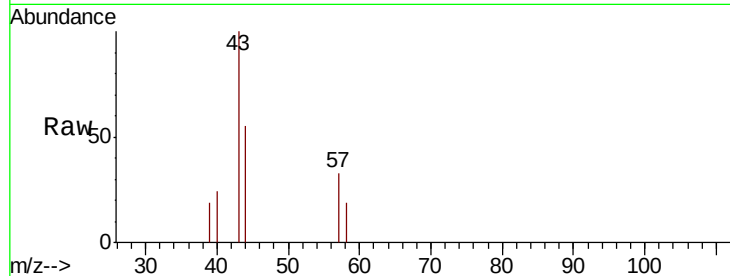
ClientSampleId :

Tot Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

800

600

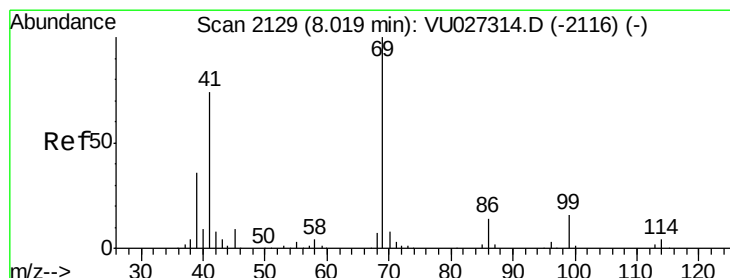
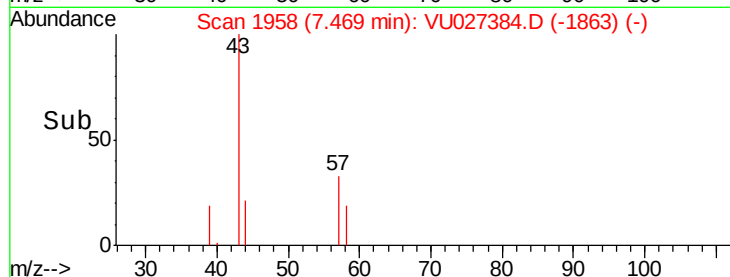
400

200

0

7.44 7.46 7.48 7.50

Time-->



#56

Ethyl methacrylate

Concen: 2.301 ug/l

RT: 7.84 min Scan# 2072

Delta R.T. -0.18 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

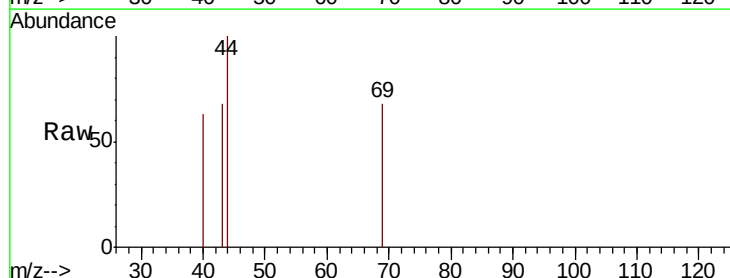
Tgt Ion: 69 Resp: 74

Ion Ratio Lower Upper

69 100

41 216.2 60.0 90.0#

39 0.0 29.5 44.3#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

200

150

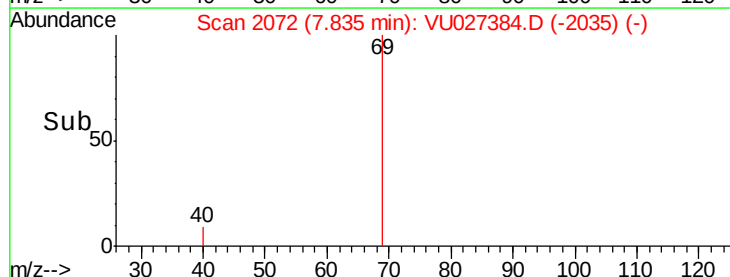
100

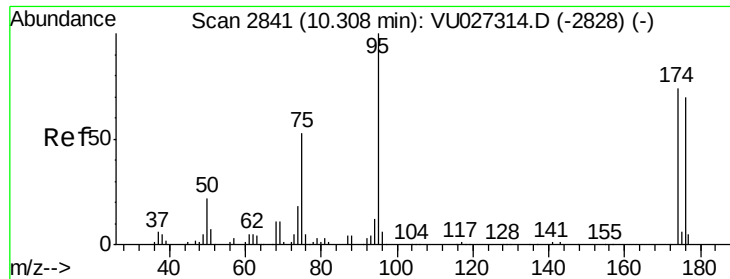
50

0

7.83 7.84 7.85

Time-->

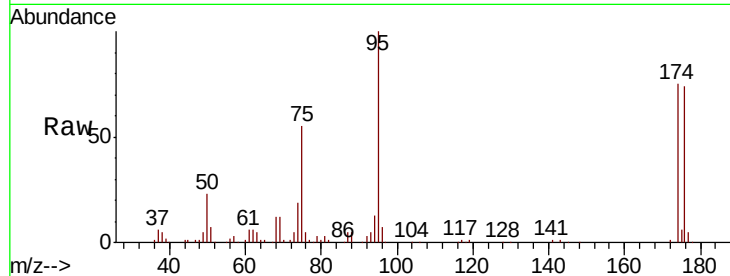




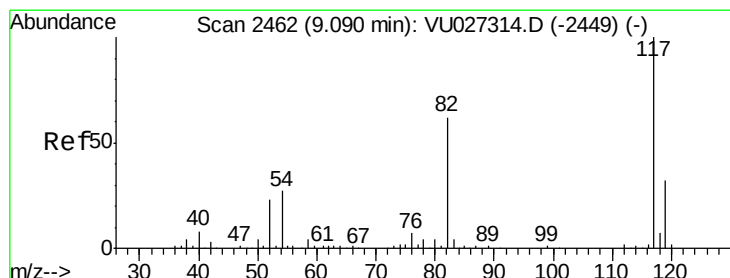
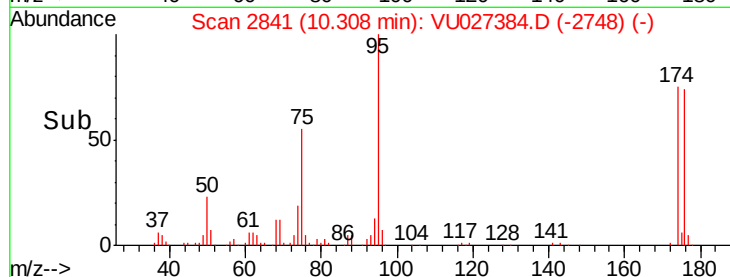
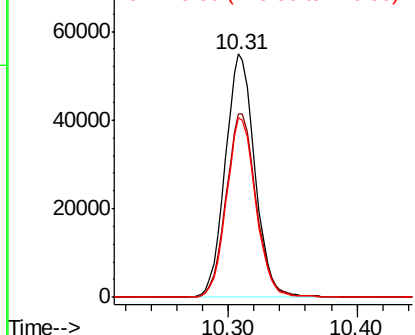
#62
4-Bromofluorobenzene
Concen: 54.523 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 87152
Ion Ratio Lower Upper
95 100
174 76.9 0.0 147.8
176 73.1 0.0 140.8

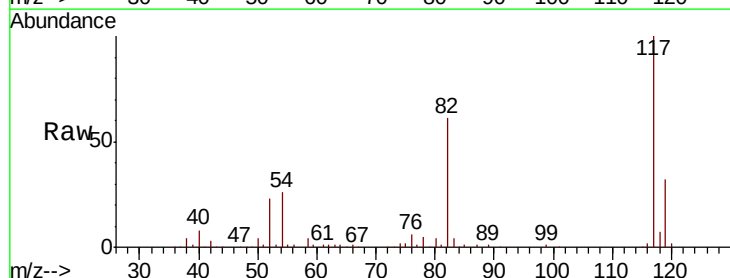


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): VU0
Ion 175.80 (175.50 to 176.50): VU0

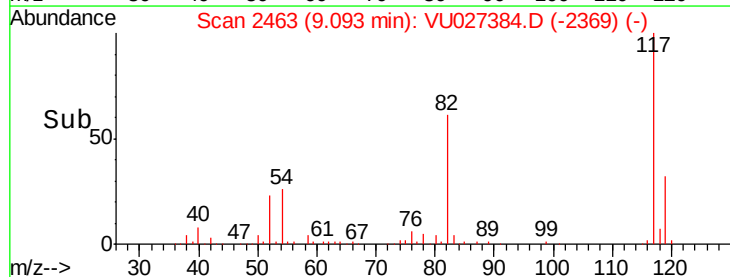
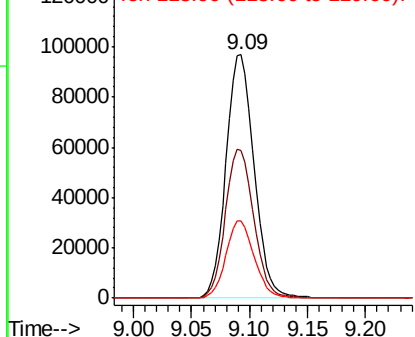


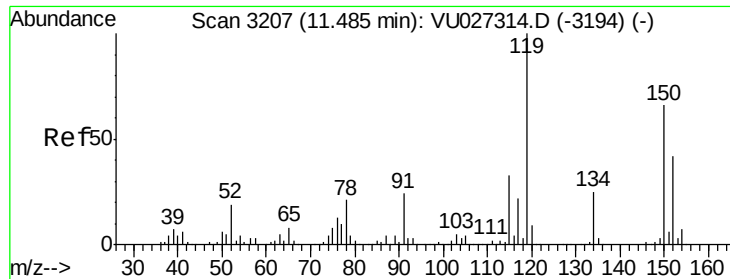
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 117 Resp: 163312
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.9 25.7 38.5



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



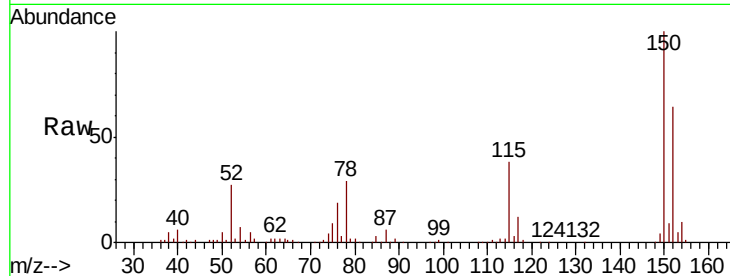


#72

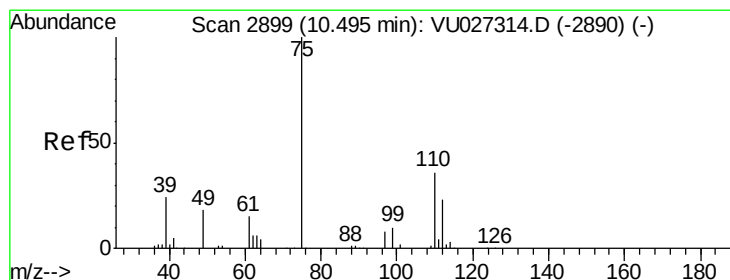
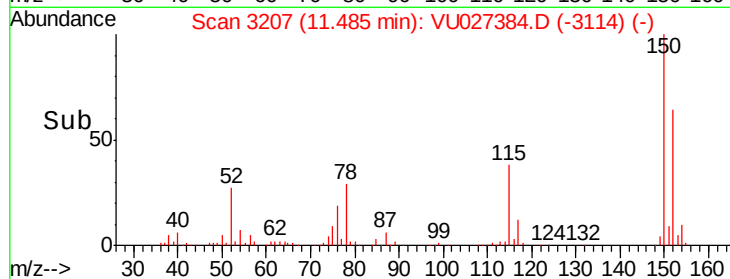
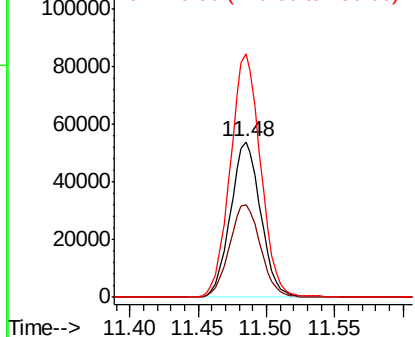
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:152 Resp: 83311
Ion Ratio Lower Upper
152 100
115 61.6 43.4 130.2
150 157.0 0.0 349.2



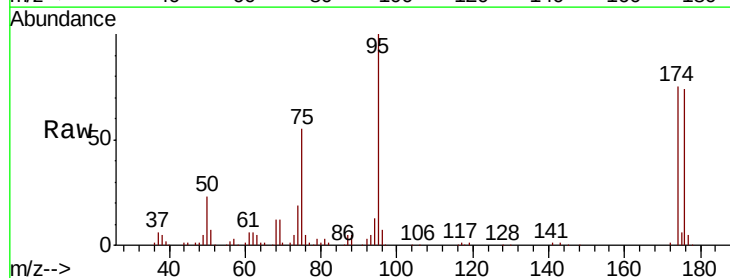
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



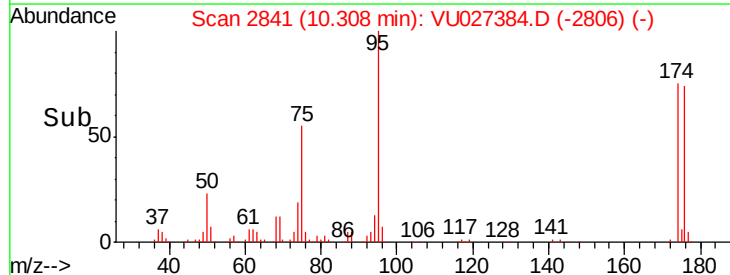
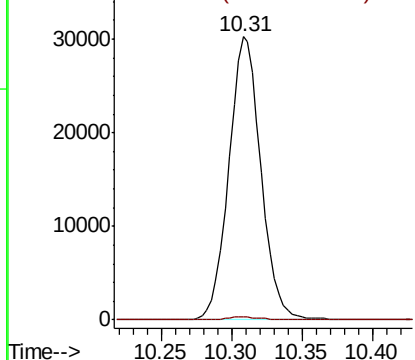
#76

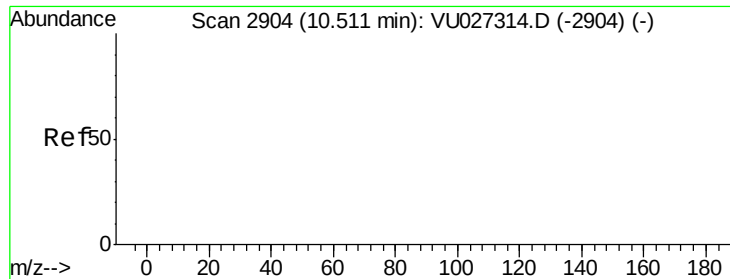
1,2,3-Trichloropropane
Concen: 22.238 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 75 Resp: 48026
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

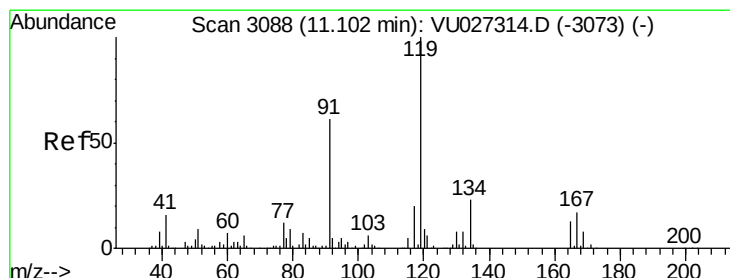
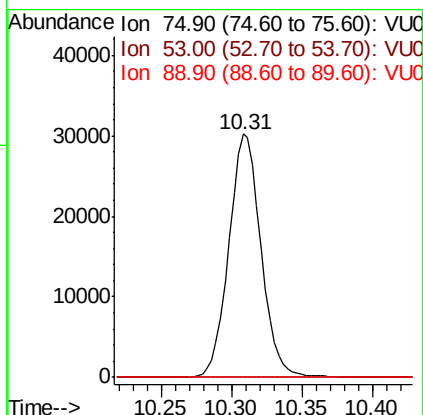
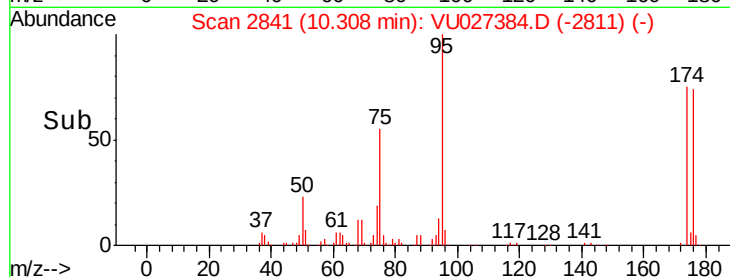
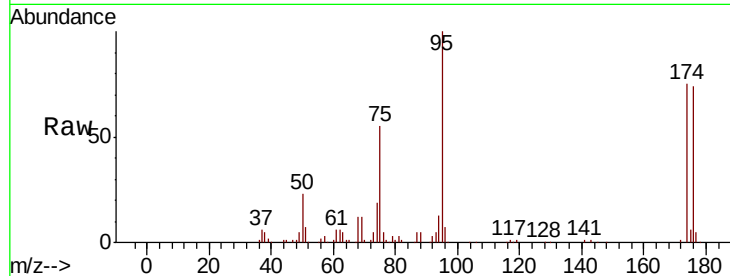




#81
trans-1,4-Dichloro-2-butene
Concen: 58.200 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

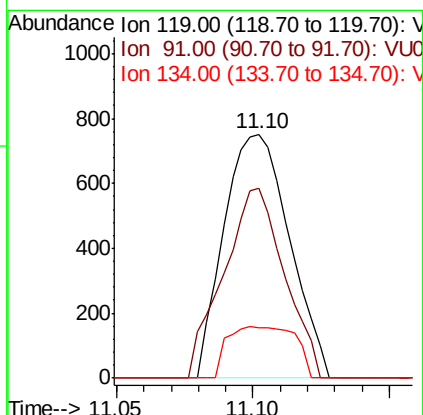
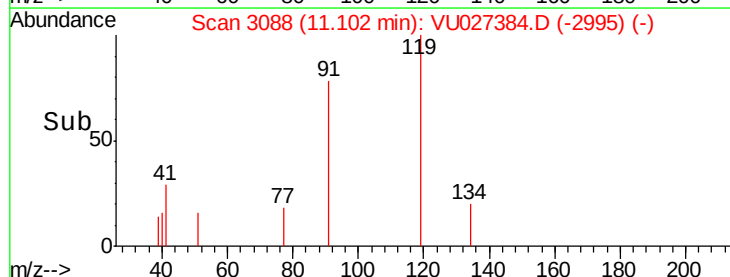
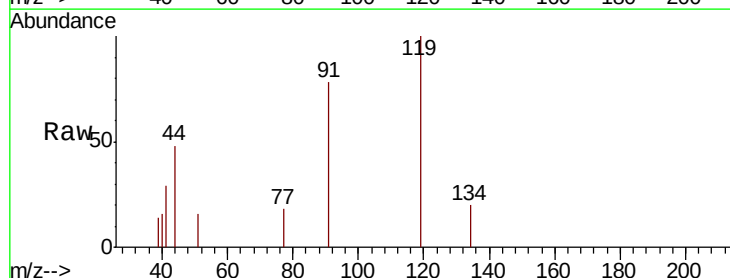
Instrument :
MSVOA_U
ClientSampleId :

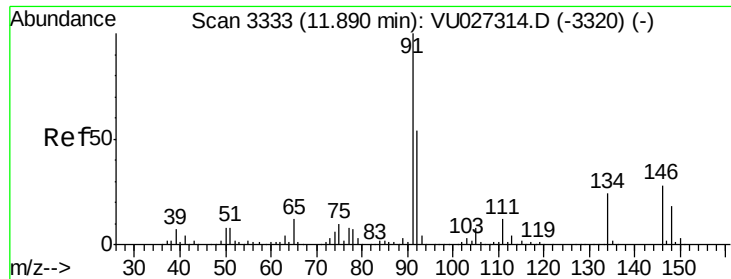
Tot Ion: 75 Resp: 48026
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#83
tert-Butylbenzene
Concen: 0.262 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027384.D
Acq: 04 Oct 2018 02:31

Tgt Ion: 119 Resp: 1250
Ion Ratio Lower Upper
119 100
91 72.5 30.3 91.0
134 21.8 11.5 34.4





#89

n-Butylbenzene

Concen: 1.977 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

Instrument :

MSVOA_U

ClientSampled :

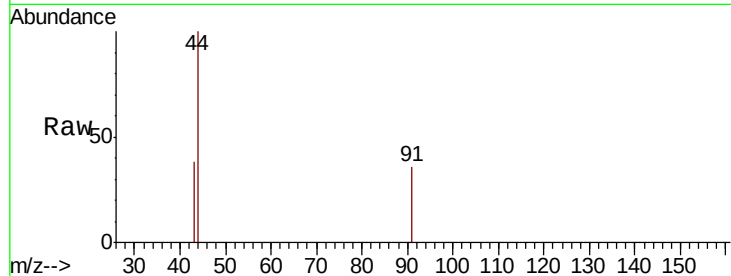
Tot Ion: 91 Resp: 156

Ion Ratio Lower Upper

91 100

92 0.0 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) (-)

11.89

150

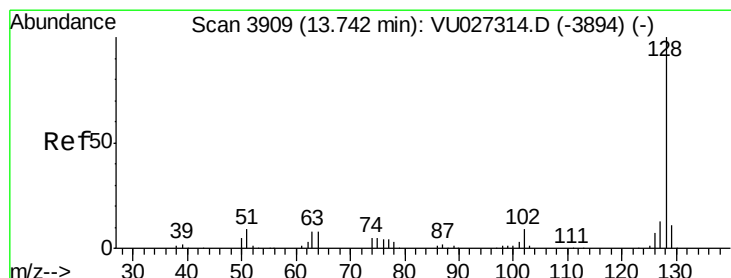
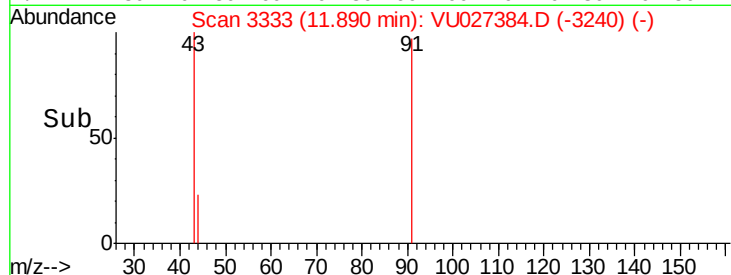
100

50

0

11.88 11.90

Time-->



#95

Naphthalene

Concen: 17.081 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027384.D

Acq: 04 Oct 2018 02:31

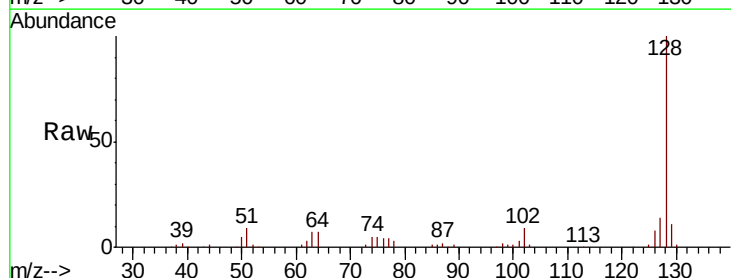
Tgt Ion: 128 Resp: 100465

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.1 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) (-)

13.75

80000

60000

40000

20000

0

13.70 13.80

Time-->

