

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027164.D
 Acq On : 26 Sep 2018 09:49
 Operator : MD/SY
 Sample : VU0926WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBL02

Quant Time: Sep 27 01:04:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	99803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168055	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69268	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	101344	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	4.88	113	70563	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	7.57	98	266887	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	10.31	95	85236	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

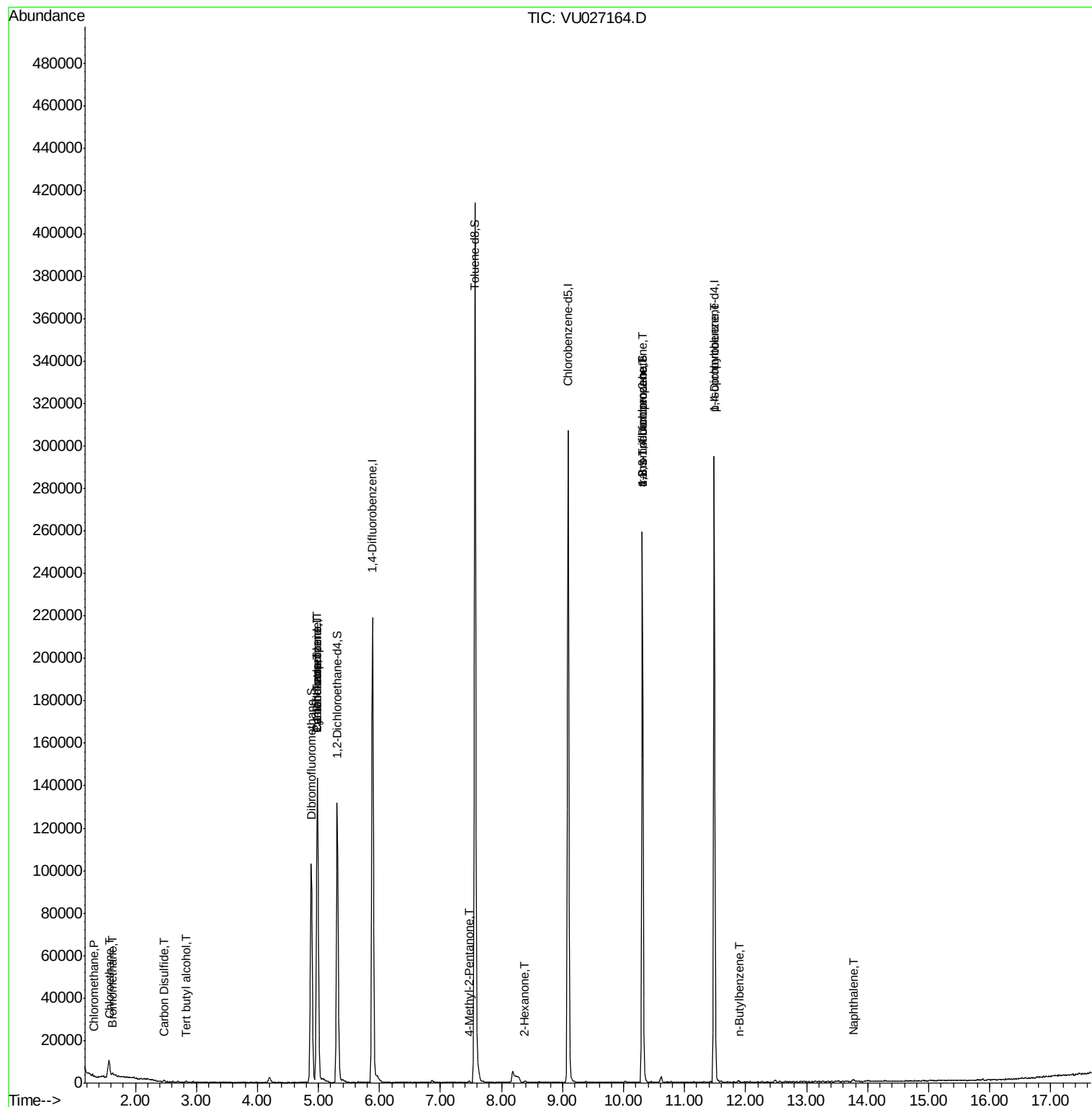
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	675	0.300	ug/l	93
5) Bromomethane	1.62	94	444	0.372	ug/l	83
6) Chloroethane	1.59	64	1696	1.266	ug/l #	43
11) Tert butyl alcohol	2.83	59	157	0.341	ug/l #	72
16) Acetone	2.33	43	679	Below Cal	#	44
17) Carbon Disulfide	2.47	76	1006	0.224	ug/l #	75
31) Cyclohexane	4.98	56	2725	0.339	ug/l #	9
36) 1,1-Dichloropropene	4.98	75	9922	4.424	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10533	4.935	ug/l #	18
51) 4-Methyl-2-Pentanone	7.47	43	636	0.214	ug/l #	81
59) 2-Hexanone	8.38	43	871	0.374	ug/l #	61
76) 1,2,3-Trichloropropane	10.31	75	46464	22.080	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	46464	70.660	ug/l #	100
86) p-Isopropyltoluene	11.48	119	170	0.961	ug/l #	1
89) n-Butylbenzene	11.90	91	276	2.447	ug/l #	55
95) Naphthalene	13.76	128	2228	2.064	ug/l #	77

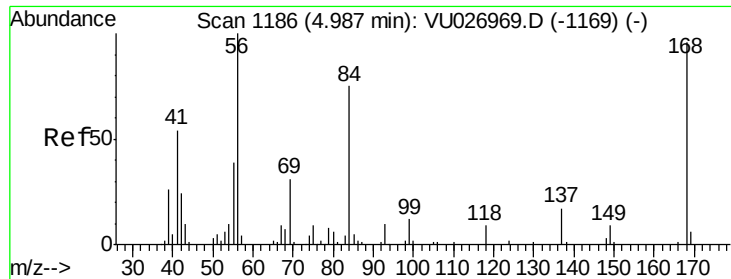
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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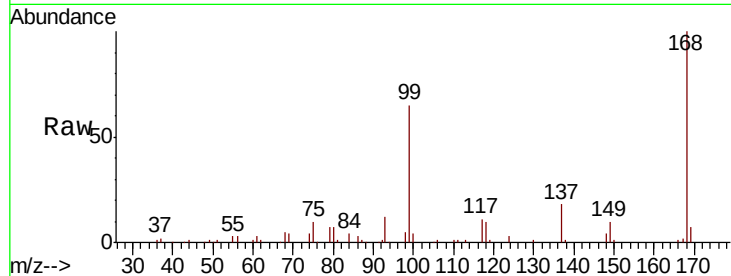




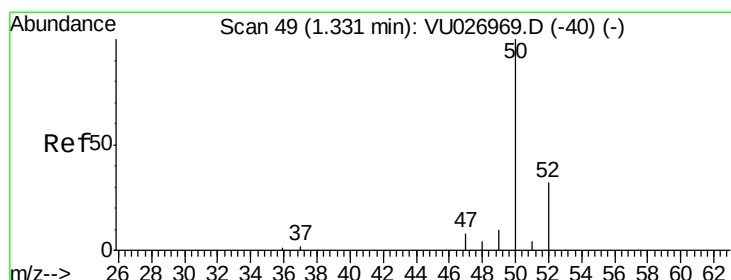
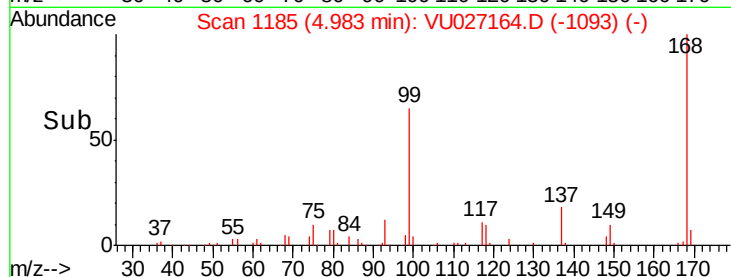
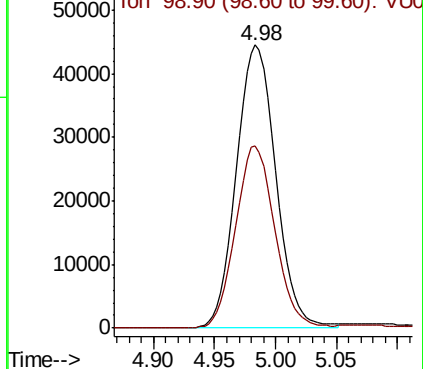
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBL02

Tgt Ion:168 Resp: 99803
Ion Ratio Lower Upper
168 100
99 64.6 48.1 72.1

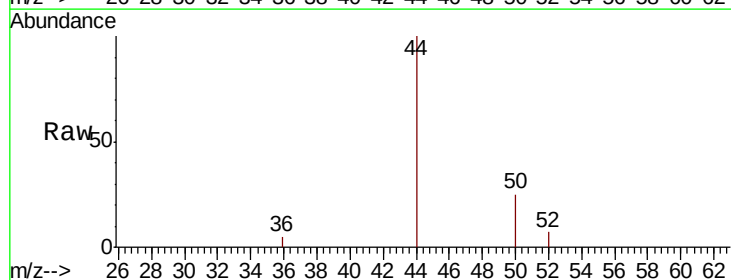


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU027164.D (-1093) (-)

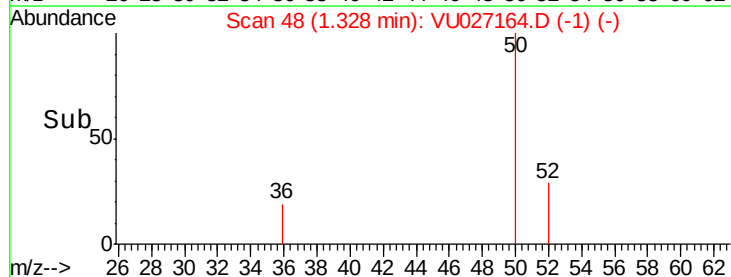
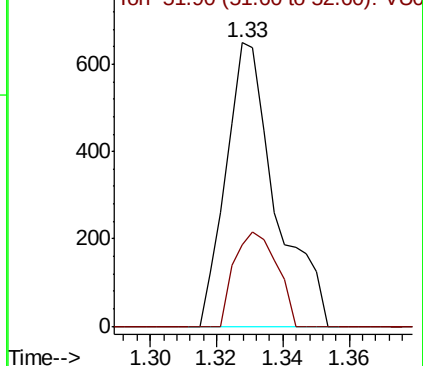


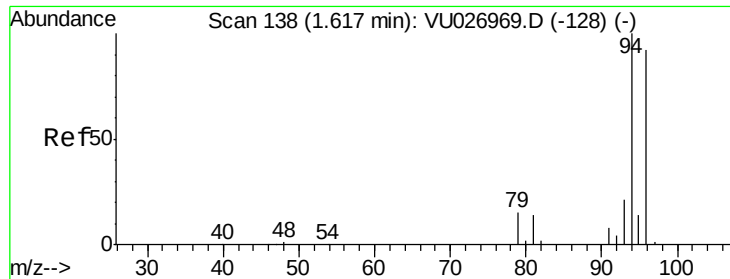
#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)
Ion 51.90 (51.60 to 52.60): VU027164.D (-1) (-)

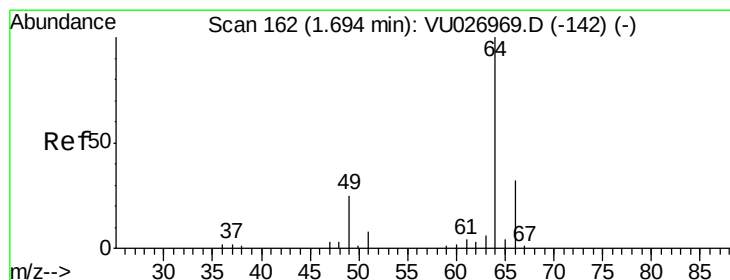
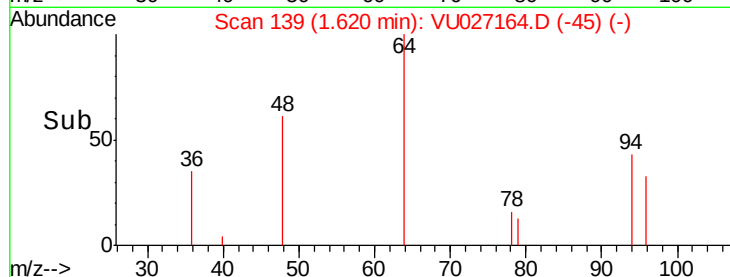
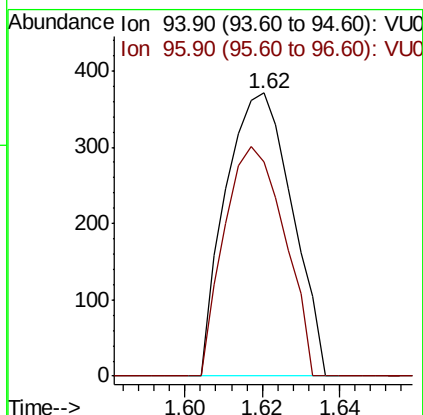
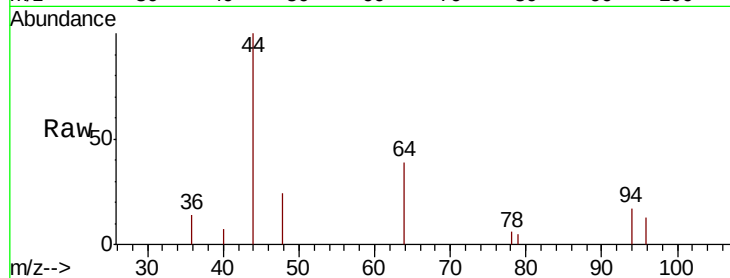




#5
Bromomethane
Concen: 0.372 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

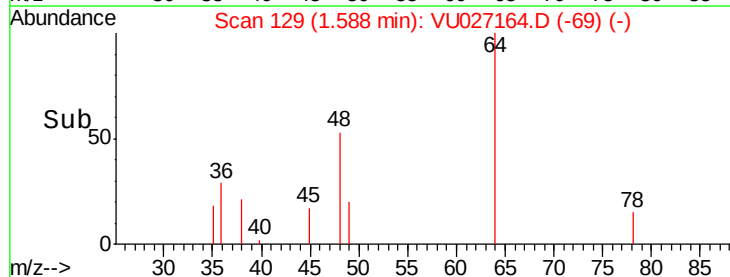
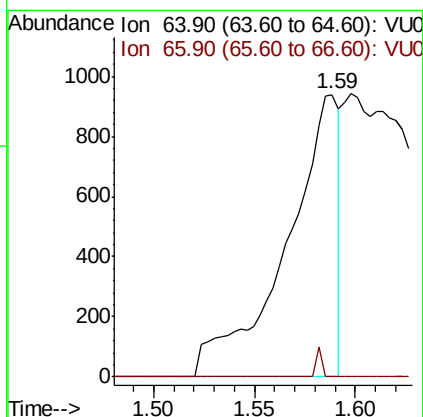
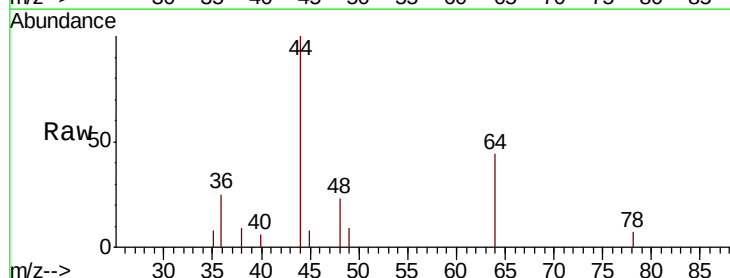
Instrument :
MSVOA_U
ClientSampleId :
VU0926WBL02

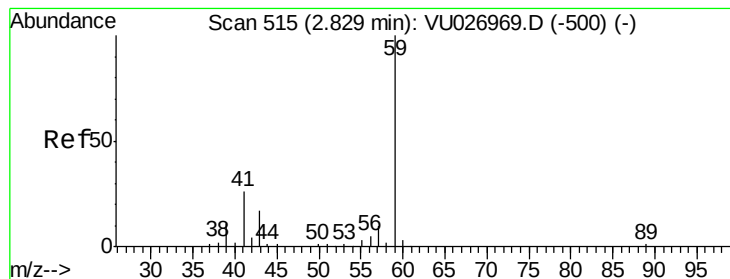
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 75.5 73.2 109.8



#6
Chloroethane
Concen: 1.266 ug/l
RT: 1.59 min Scan# 129
Delta R.T. -0.11 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Tgt Ion: 64 Resp: 1696
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 0.341 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

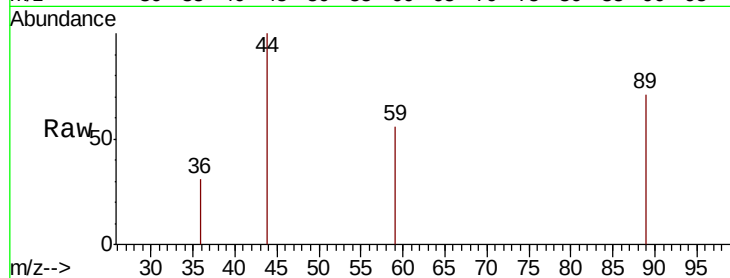
VU0926WBL02

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

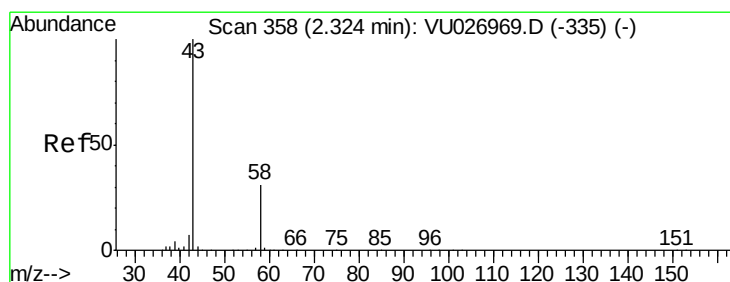
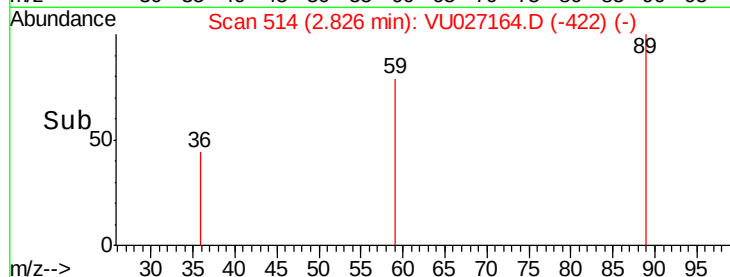
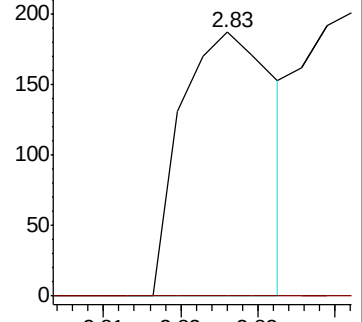
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU027164.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU027164.D (-422) (-)



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU027164.D

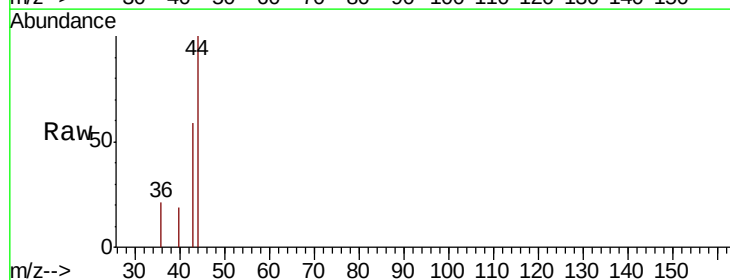
Acq: 26 Sep 2018 09:49

Tgt Ion: 43 Resp: 679

Ion Ratio Lower Upper

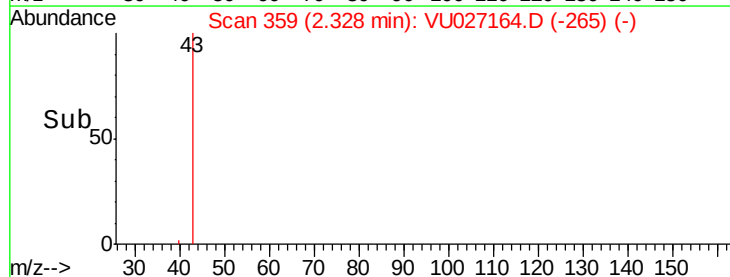
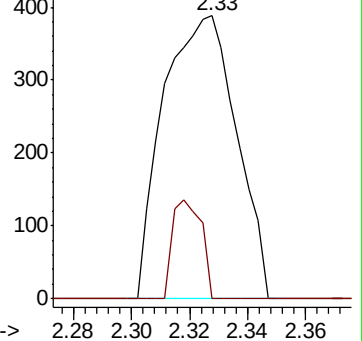
43 100

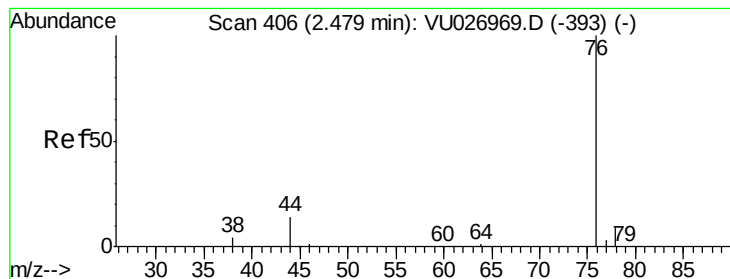
58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU027164.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027164.D (-265) (-)





#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

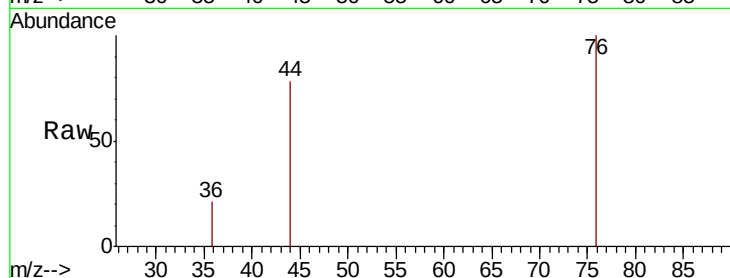
VU0926WBL02

Tgt Ion: 76 Resp: 1006

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

800

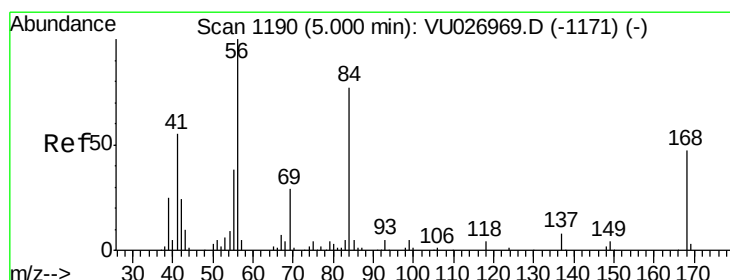
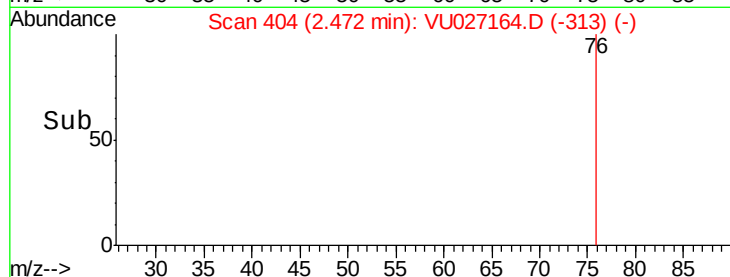
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.339 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

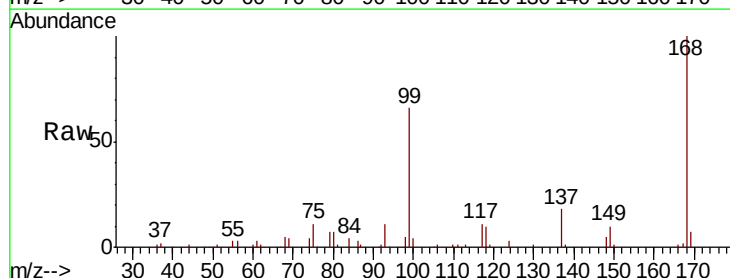
Tgt Ion: 56 Resp: 2725

Ion Ratio Lower Upper

56 100

69 132.7 23.0 34.4#

84 121.6 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

2500

2000

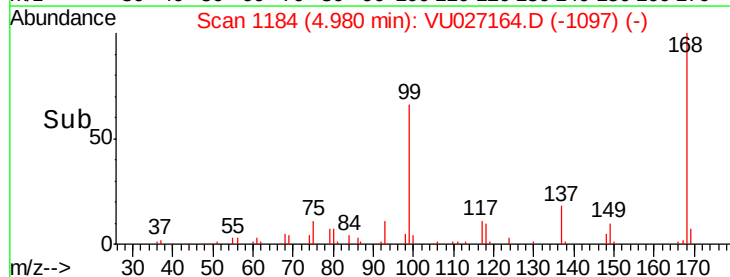
1500

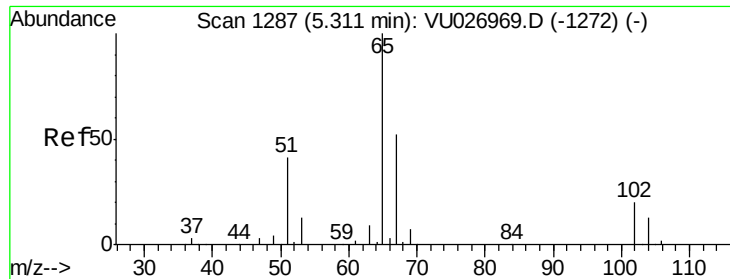
1000

500

0

Time-->

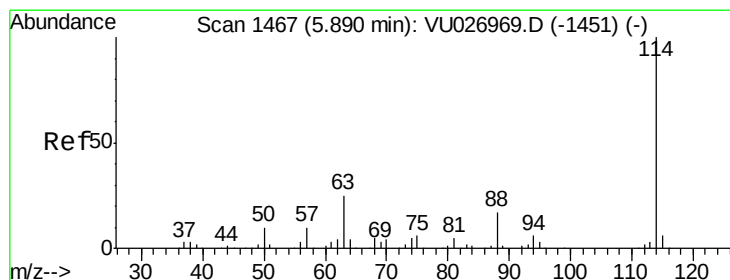
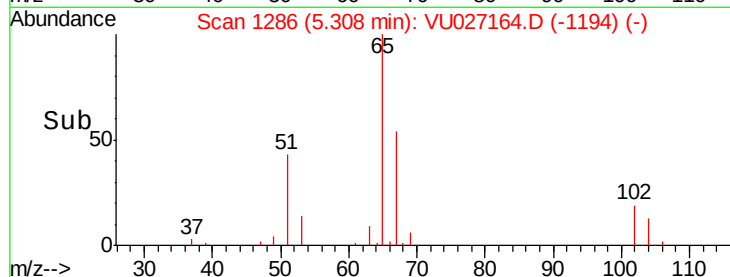
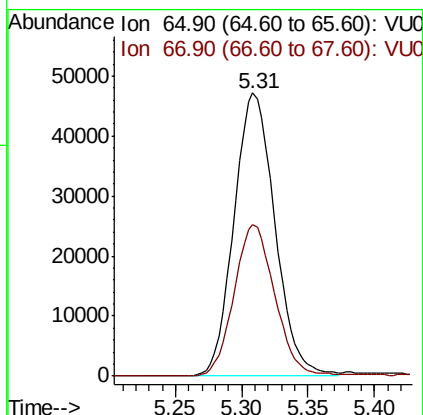
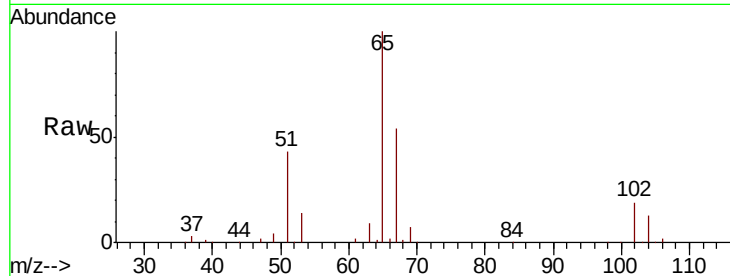




#33
 1,2-Dichloroethane-d4
 Concen: 50.453 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

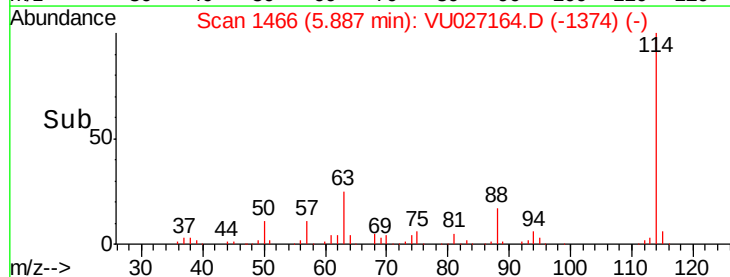
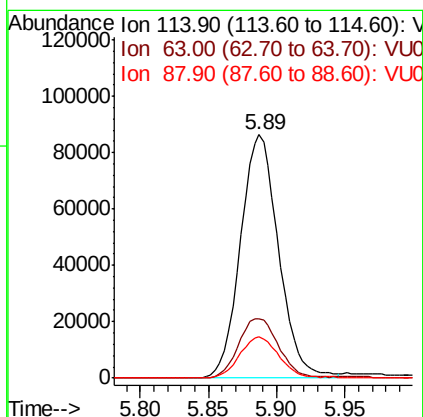
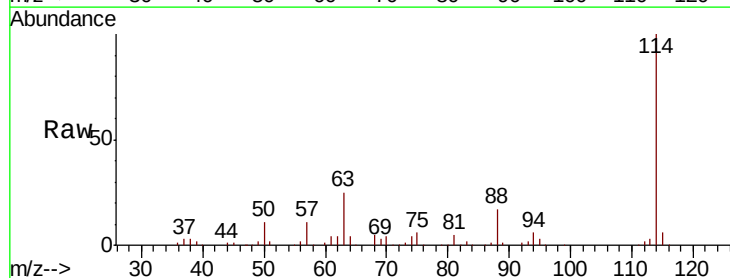
Instrument :
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 ClientSampleId :
 VU0926WBL02

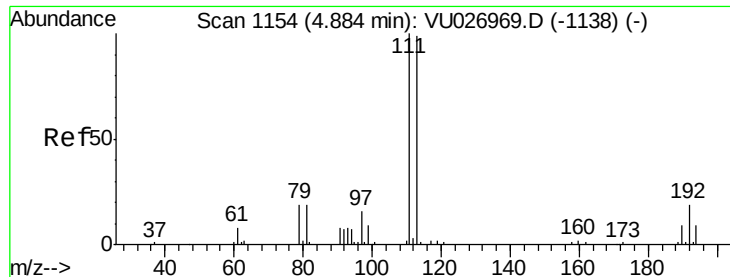
Tgt Ion: 65 Resp: 101344
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

Tgt Ion: 114 Resp: 168055
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.8 0.0 33.8

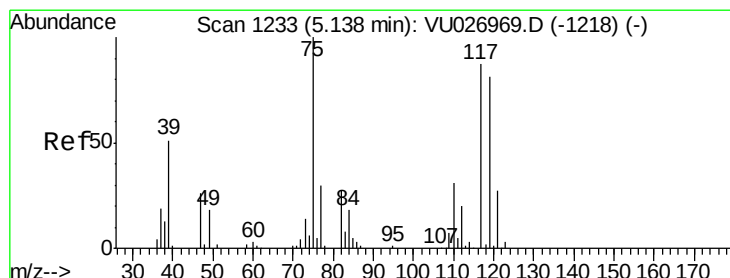
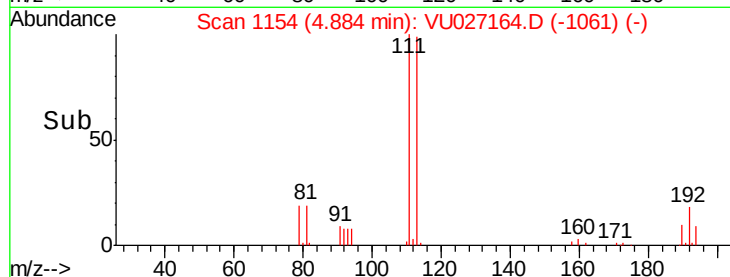
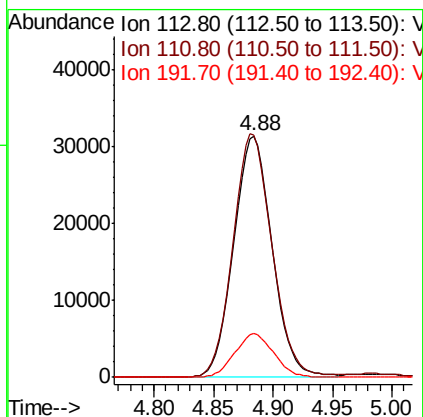
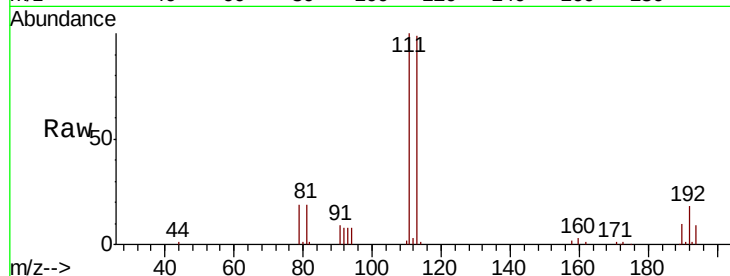




#35
 Dibromofluoromethane
 Concen: 48.440 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

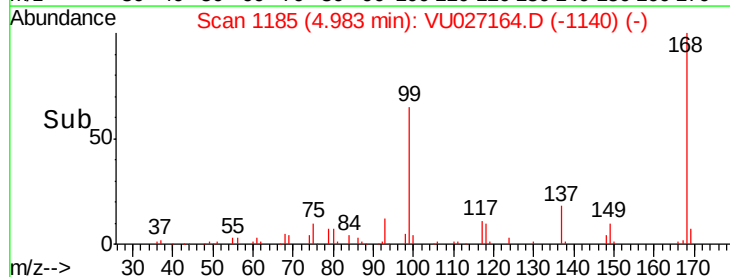
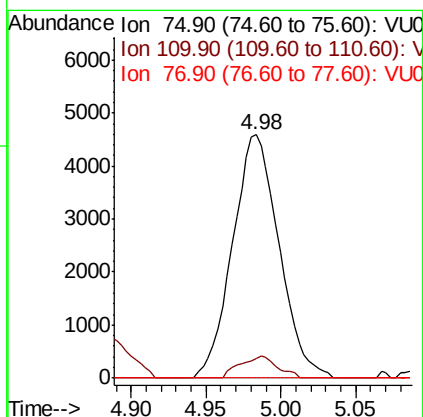
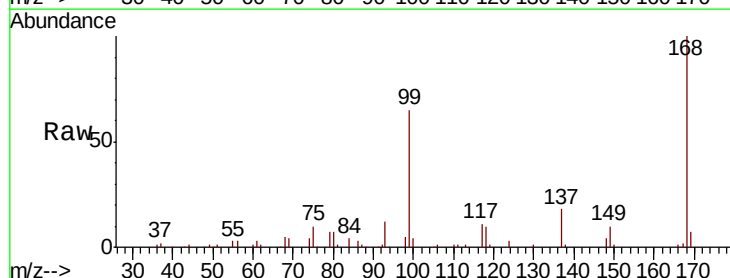
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 MSVOA_U
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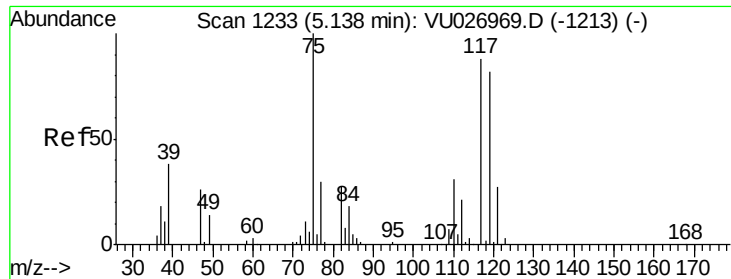
Tgt Ion:113 Resp: 70563
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 18.1 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.424 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

Tgt Ion: 75 Resp: 9922
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.935 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBL02

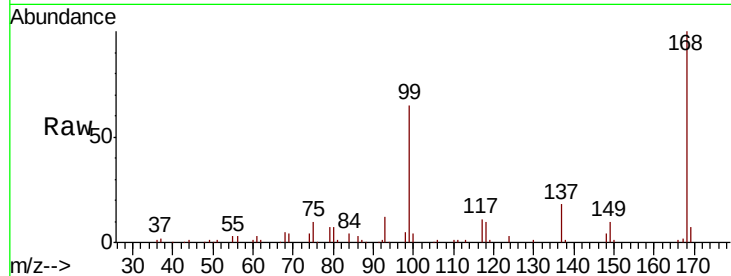
Tgt Ion:117 Resp: 10533

Ion Ratio Lower Upper

117 100

119 6.1 74.4 111.6#

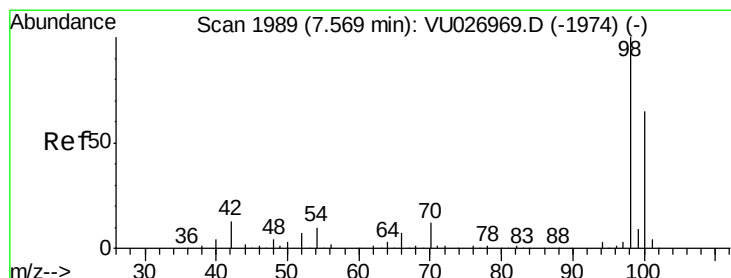
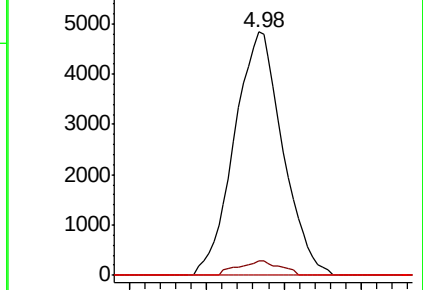
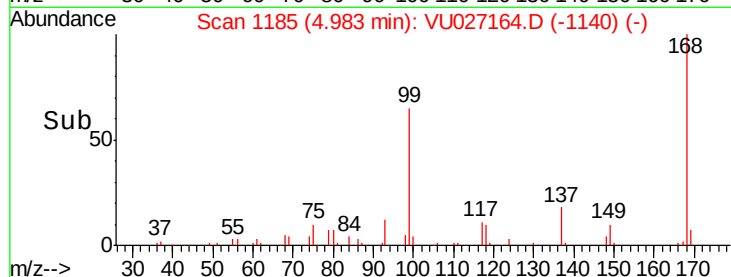
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.074 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027164.D

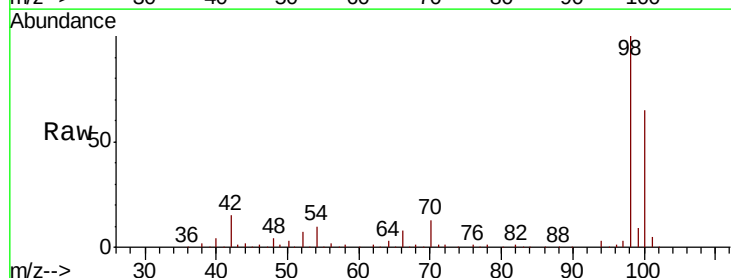
Acq: 26 Sep 2018 09:49

Tgt Ion: 98 Resp: 266887

Ion Ratio Lower Upper

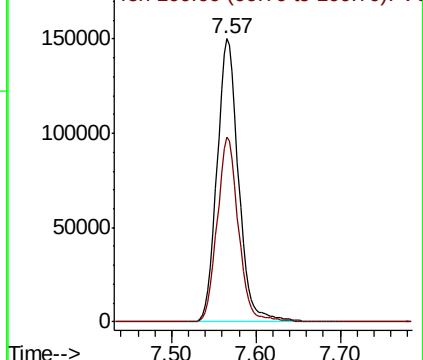
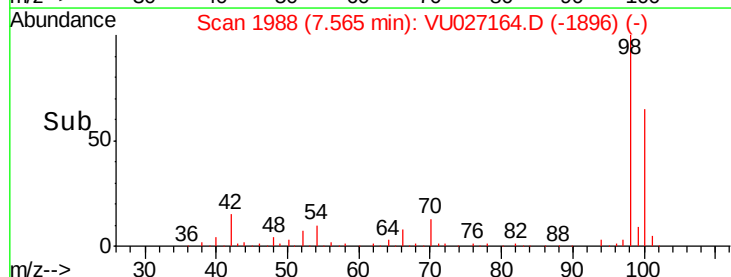
98 100

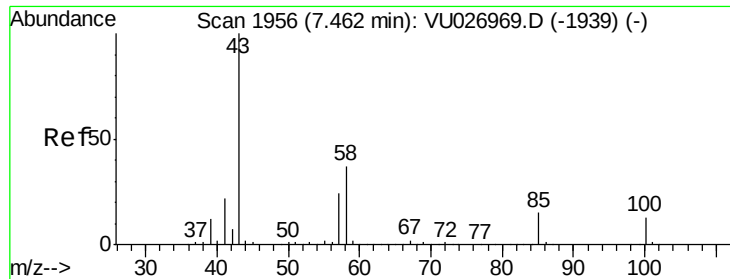
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

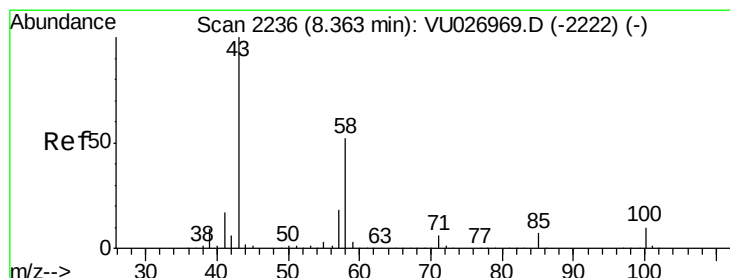
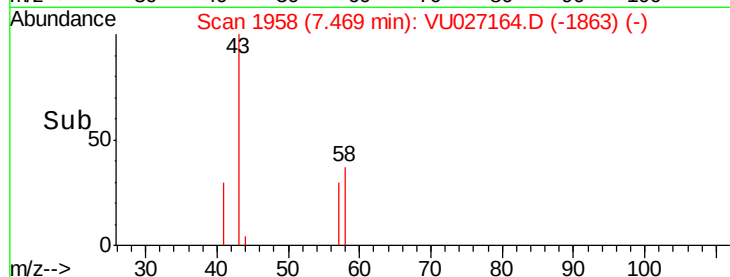
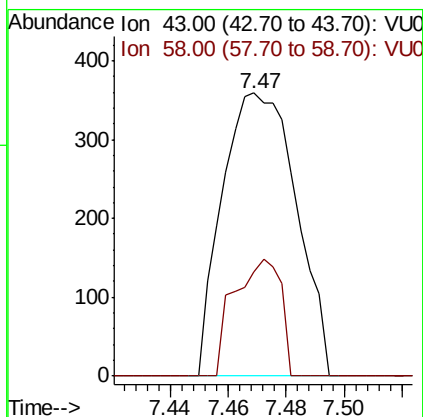
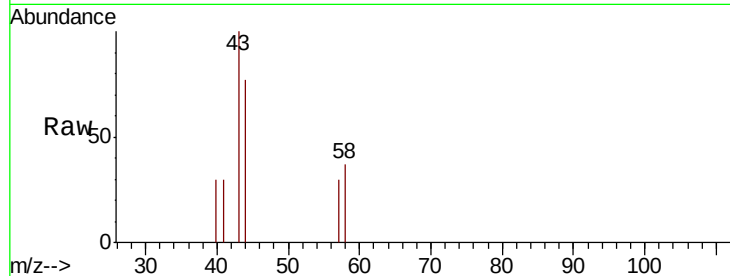




#51
 4-Methyl-2-Pentanone
 Concen: 0.214 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

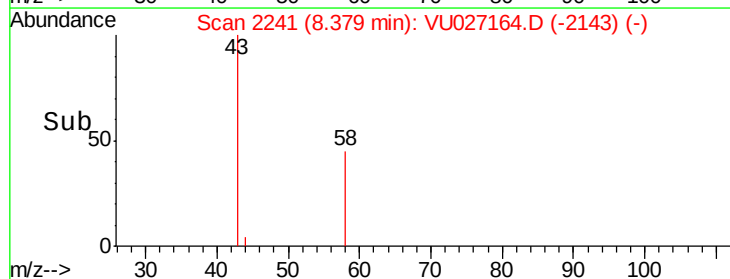
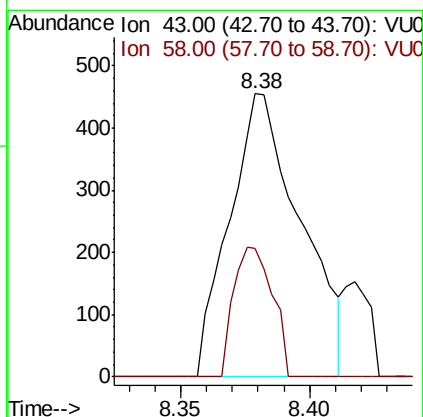
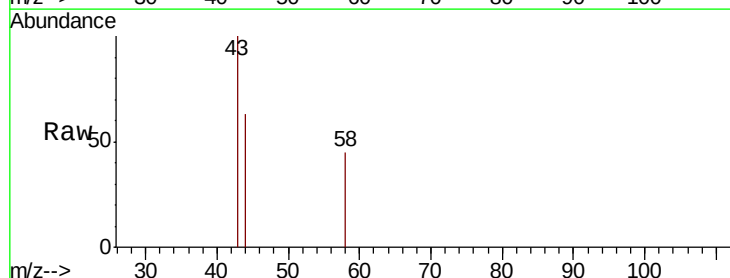
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBL02

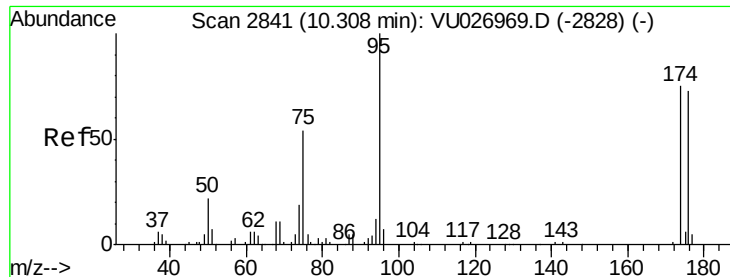
Tgt Ion: 43 Resp: 636
 Ion Ratio Lower Upper
 43 100
 58 26.1 29.8 44.6#



#59
 2-Hexanone
 Concen: 0.374 ug/l
 RT: 8.38 min Scan# 2241
 Delta R.T. 0.02 min
 Lab File: VU027164.D
 Acq: 26 Sep 2018 09:49

Tgt Ion: 43 Resp: 871
 Ion Ratio Lower Upper
 43 100
 58 24.8 26.1 78.2#

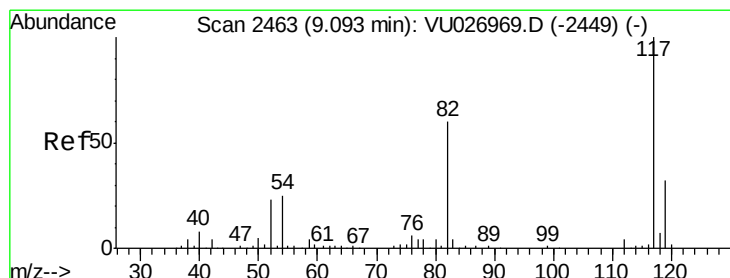
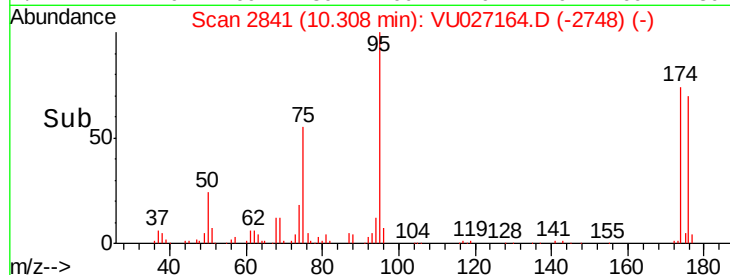
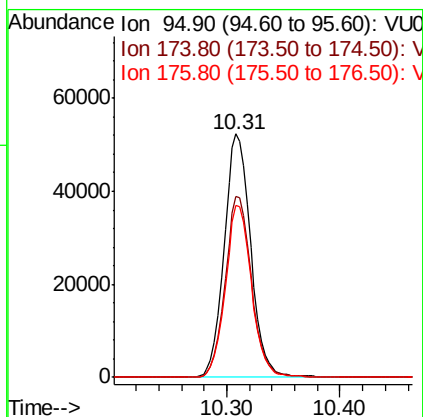
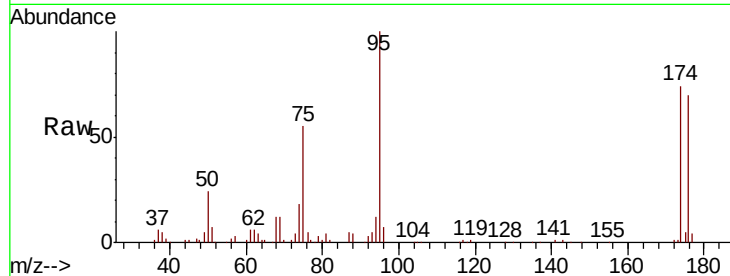




#62
4-Bromofluorobenzene
Concen: 44.745 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

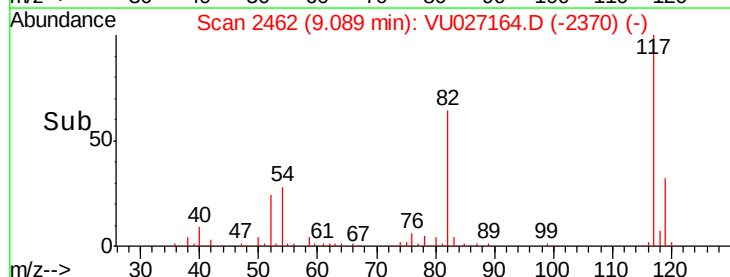
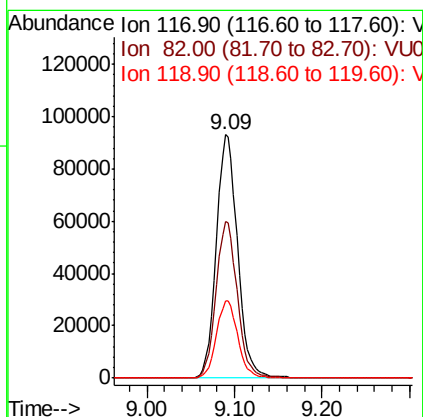
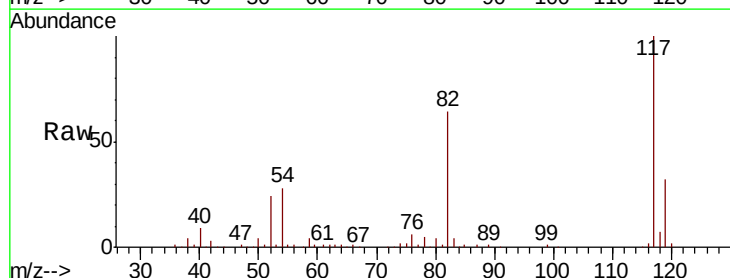
Instrument :
MSVOA_U
ClientSampleId :
VU0926WBL02

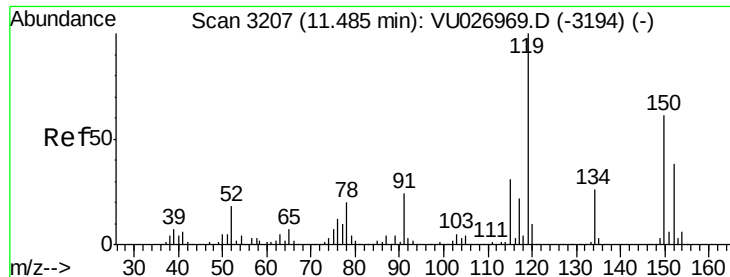
Tgt Ion: 95 Resp: 85236
Ion Ratio Lower Upper
95 100
174 73.7 0.0 150.2
176 69.8 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Tgt Ion: 117 Resp: 157345
Ion Ratio Lower Upper
117 100
82 64.2 48.0 72.0
119 31.7 25.8 38.8



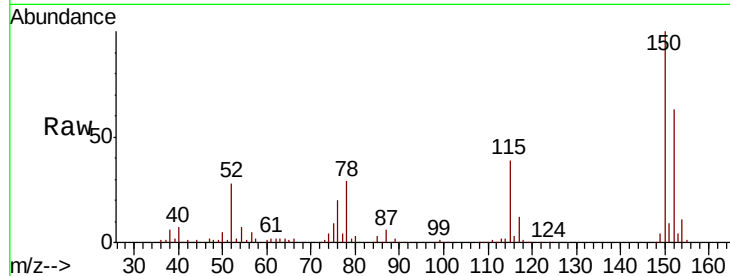


#72

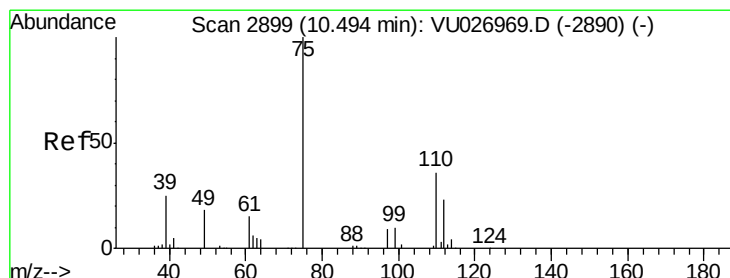
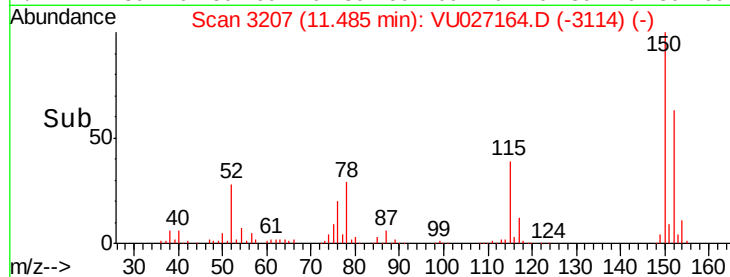
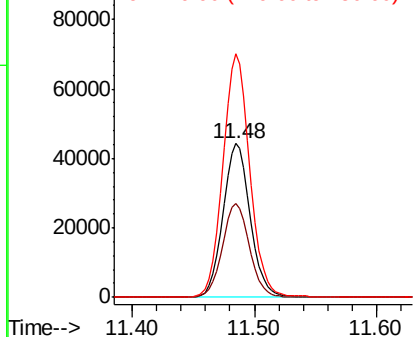
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBL02

Tgt Ion: 152 Resp: 69268
Ion Ratio Lower Upper
152 100
115 60.9 44.9 134.5
150 156.9 0.0 355.8



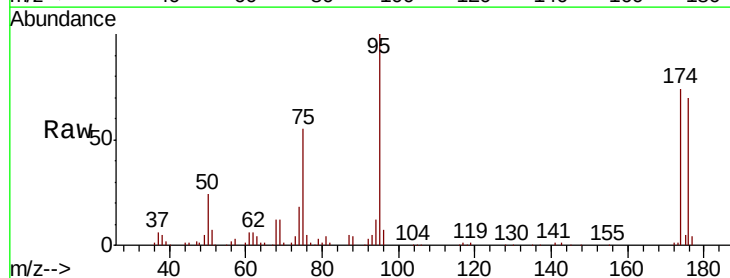
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



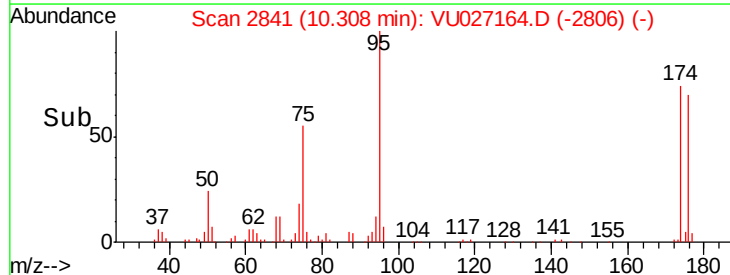
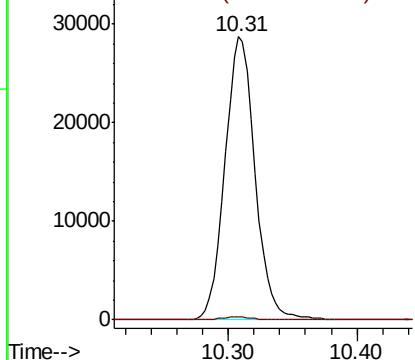
#76

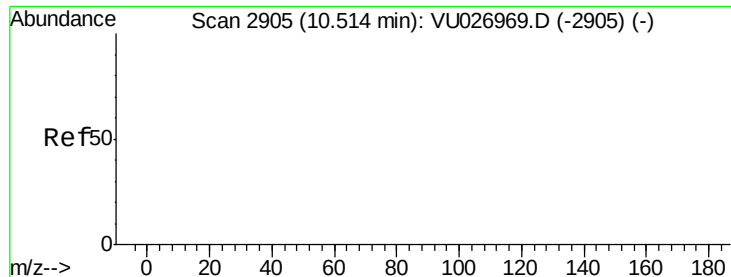
1,2,3-Trichloropropane
Concen: 22.080 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Tgt Ion: 75 Resp: 46464
Ion Ratio Lower Upper
75 100
77 1.0 20.9 62.8#



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

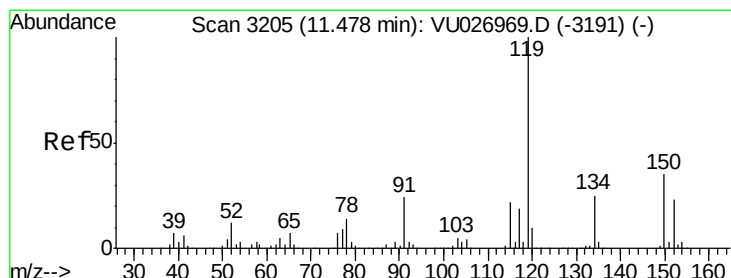
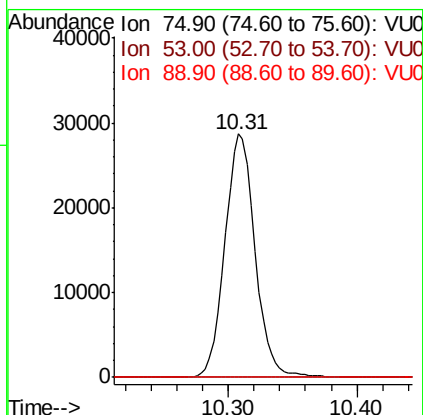
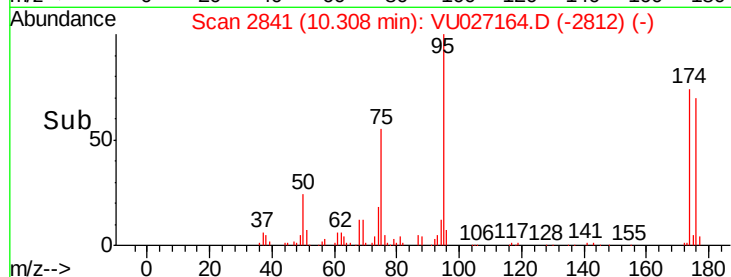
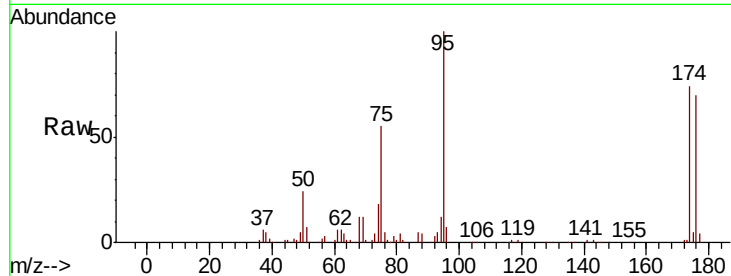




#81
trans-1,4-Dichloro-2-butene
Concen: 70.660 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

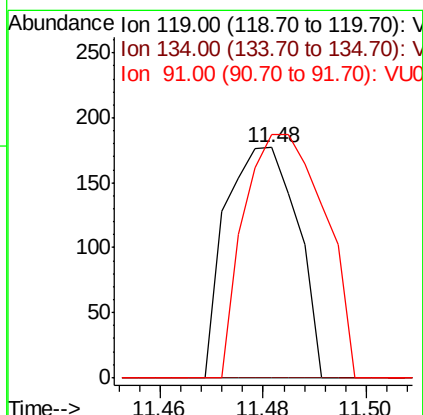
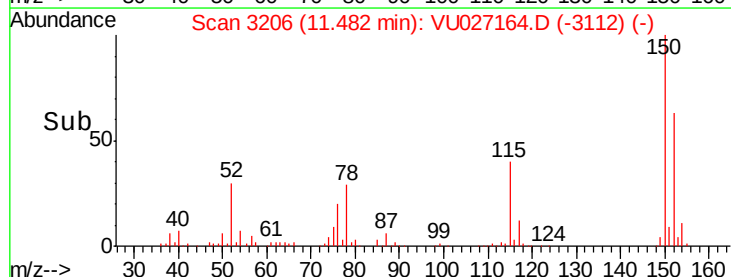
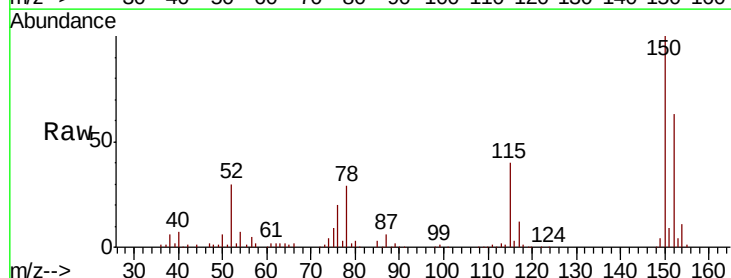
Instrument :
MSVOA_U
ClientSampleId :
VU0926WBL02

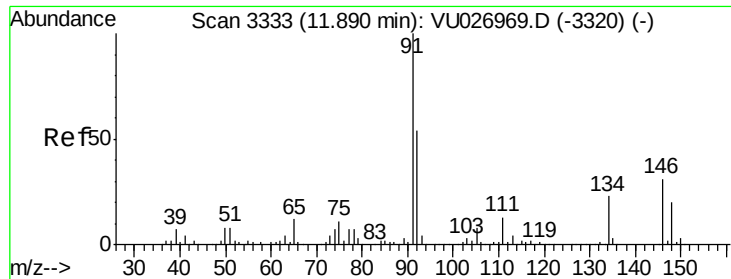
Tgt Ion: 75 Resp: 46464
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.961 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027164.D
Acq: 26 Sep 2018 09:49

Tgt Ion: 119 Resp: 170
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 118.8 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.447 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBL02

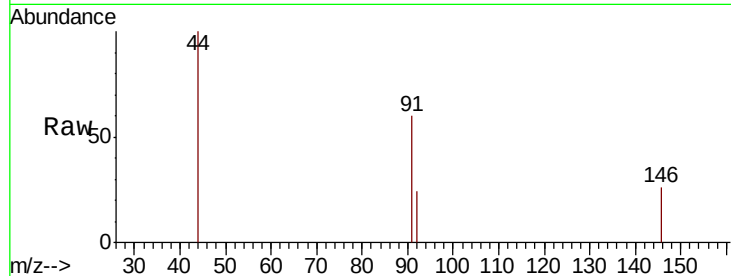
Tgt Ion: 91 Resp: 276

Ion Ratio Lower Upper

91 100

92 22.8 27.1 81.2#

134 0.0 11.7 35.0#

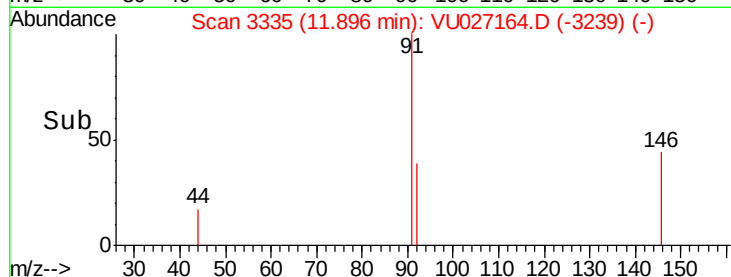


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->

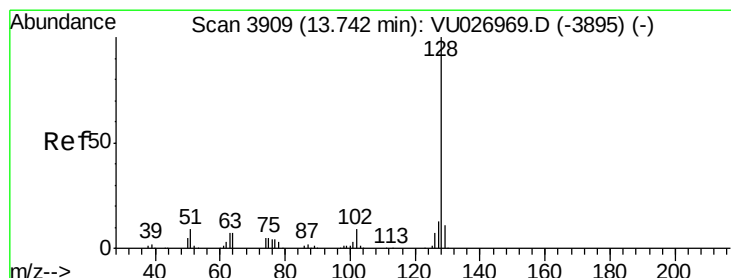


Abundance Ion 91.00 (90.70 to 91.70): VU027164.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU027164.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU027164.D (-3239) (-)

Time-->



#95

Naphthalene

Concen: 2.064 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027164.D

Acq: 26 Sep 2018 09:49

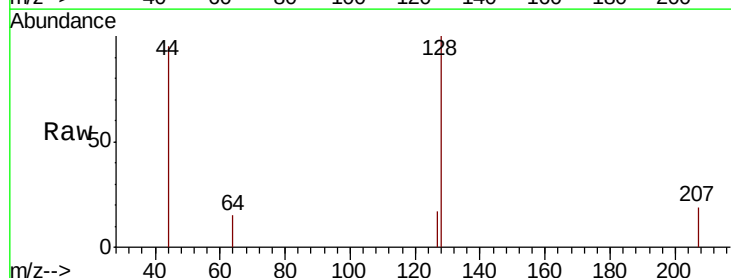
Tgt Ion: 128 Resp: 2228

Ion Ratio Lower Upper

128 100

127 5.7 10.6 15.8#

129 0.0 8.6 12.8#

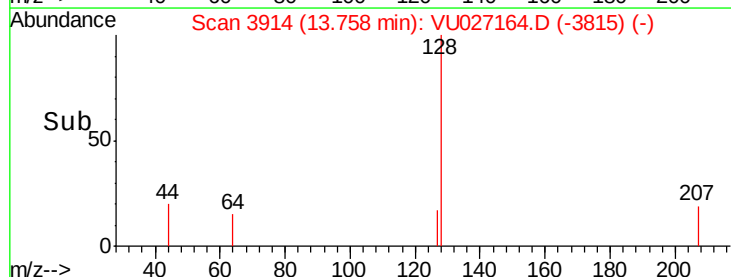


Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VU027164.D (-3815) (-)

Ion 127.00 (126.70 to 127.70): VU027164.D (-3815) (-)

Ion 129.00 (128.70 to 129.70): VU027164.D (-3815) (-)

Time-->