

Data File : VU028914.D
Acq On : 22 Dec 2018 15:00
Operator : MD/SY
Sample : J6426-13ME
Misc : 6.27g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013B-3642-01ME

Quant Time: Dec 24 11:08:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.97	168	118625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	203173	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	196362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	93551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.30	65	76420	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
35) Dibromofluoromethane	4.88	113	65956	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	7.56	98	256477	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	10.31	95	94696	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

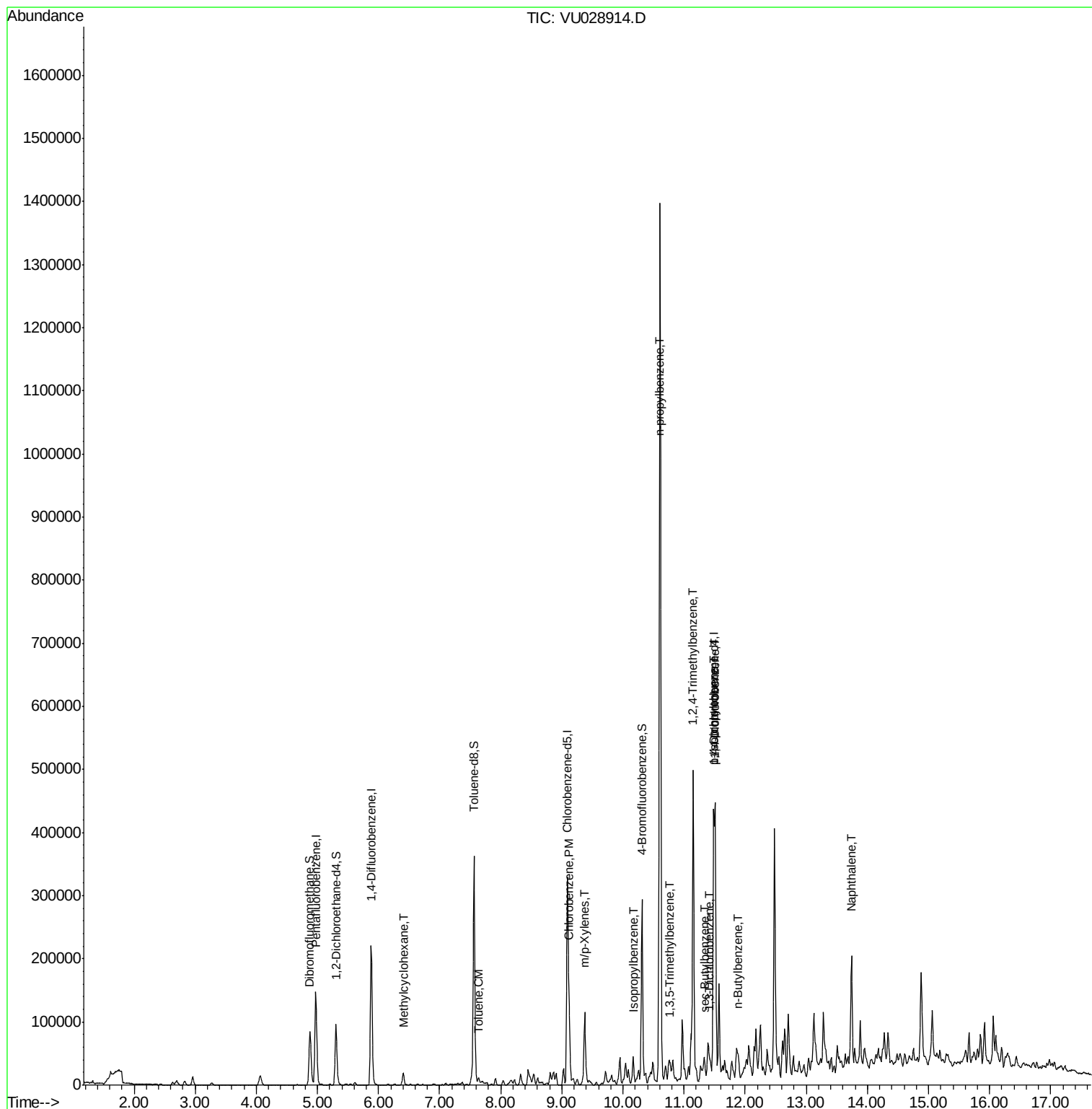
						Qvalue
39) Methylcyclohexane	6.40	83	8477	3.125	ug/l #	87
52) Toluene	7.64	92	4670	1.212	ug/l	95
65) Chlorobenzene	9.12	112	64127	15.326	ug/l	100
68) m/p-Xylenes	9.37	106	32347	11.557	ug/l	95
73) Isopropylbenzene	10.17	105	26720	3.722	ug/l	98
78) n-propylbenzene	10.59	91	57557	6.453	ug/l	92
80) 1,3,5-Trimethylbenzene	10.77	105	9028	1.519	ug/l	93
84) 1,2,4-Trimethylbenzene	11.15	105	257533	42.054	ug/l	97
85) sec-Butylbenzene	11.32	105	7788	1.058	ug/l	93
86) p-Isopropyltoluene	11.48	119	14181	2.269	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	8681	2.738	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	164843	50.259	ug/l	98
89) n-Butylbenzene	11.89	91	11722	1.853	ug/l #	71
95) Naphthalene	13.74	128	130129	17.101	ug/l	99

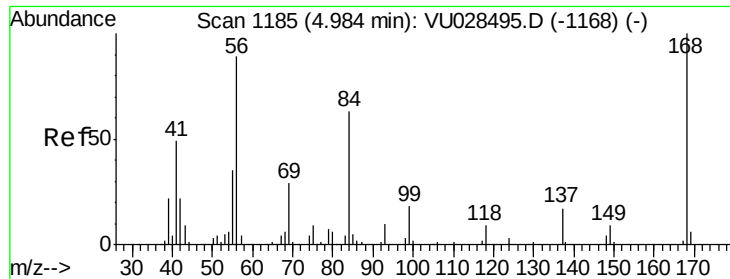
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.97 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

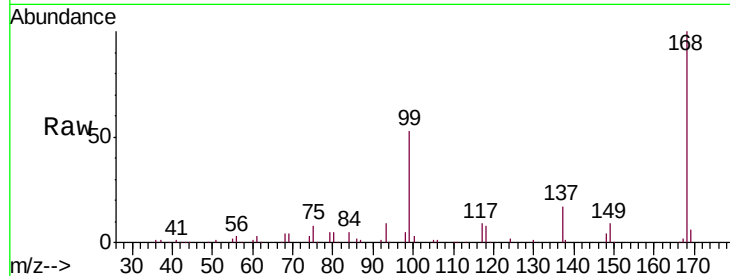
P001-SS013B-3642-01ME

Tgt Ion: 168 Resp: 118625

Ion Ratio Lower Upper

168 100

99 53.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.97

60000

50000

40000

30000

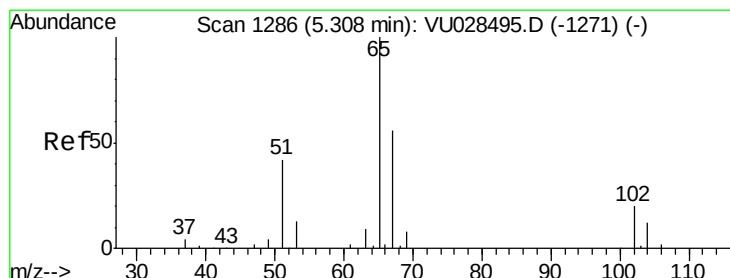
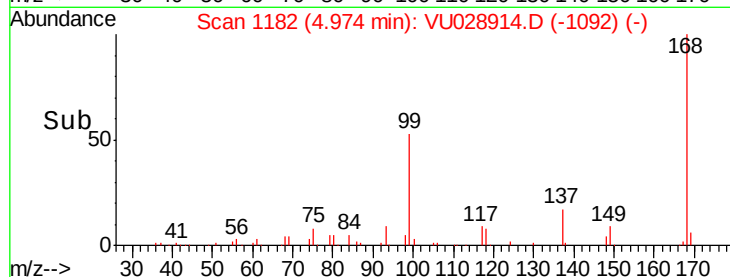
20000

10000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.214 ug/l

RT: 5.30 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VU028914.D

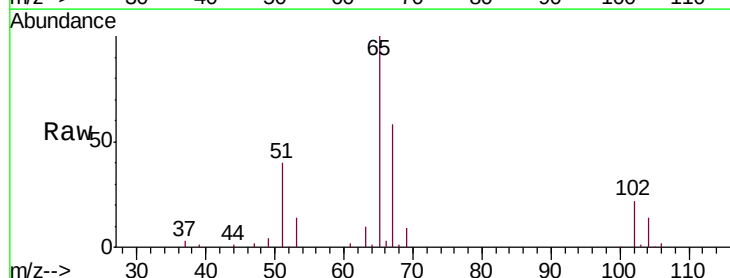
Acq: 22 Dec 2018 15:00

Tgt Ion: 65 Resp: 76420

Ion Ratio Lower Upper

65 100

67 56.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.30

40000

30000

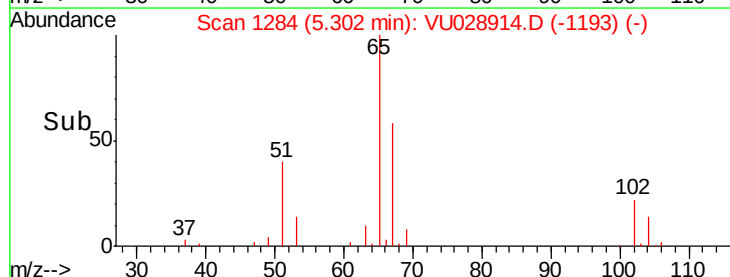
20000

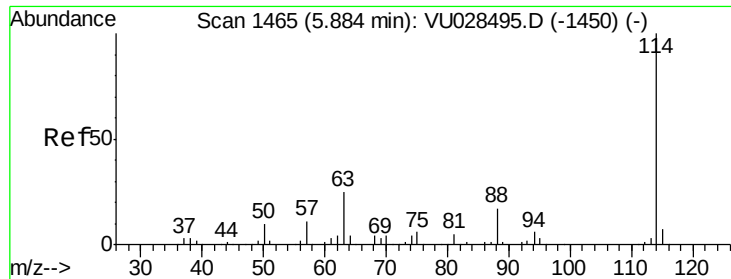
10000

0

5.20 5.30 5.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013B-3642-01ME

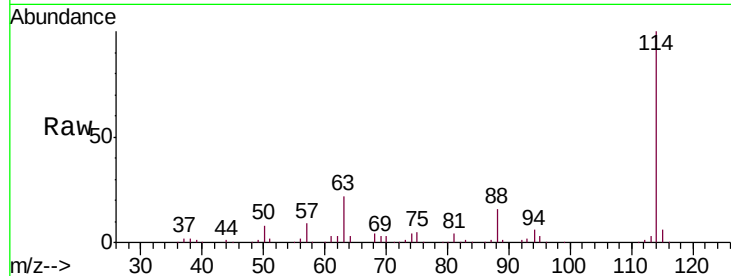
Tgt Ion:114 Resp: 203173

Ion Ratio Lower Upper

114 100

63 22.2 0.0 49.2

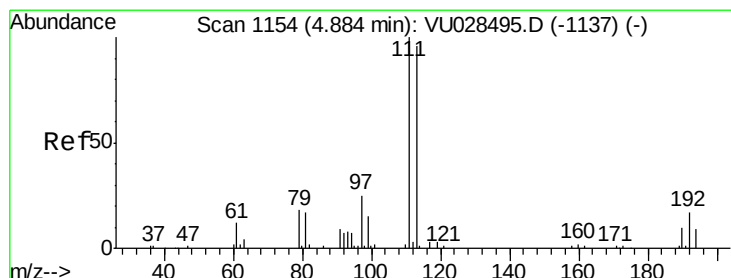
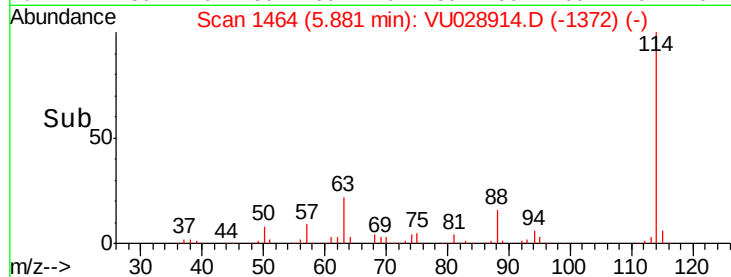
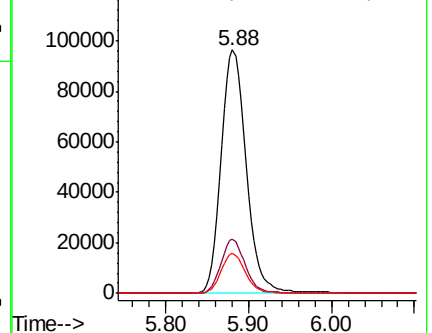
88 16.3 0.0 33.4



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: 51.585 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

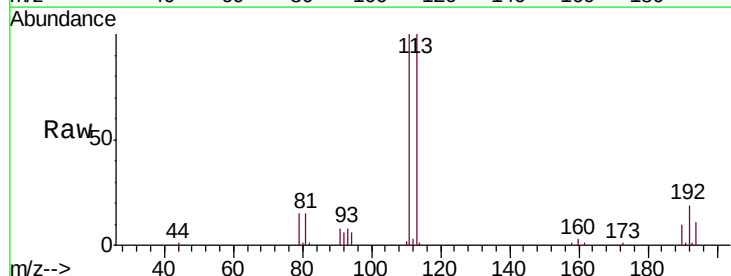
Tgt Ion:113 Resp: 65956

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.0

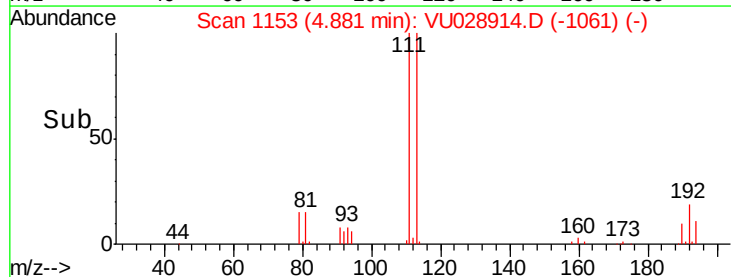
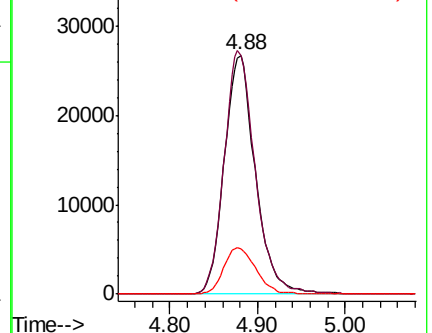
192 19.9 14.8 22.2

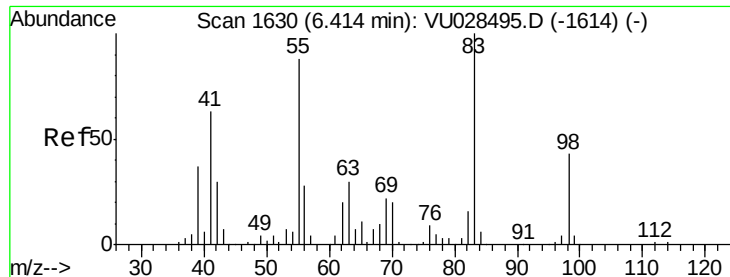


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

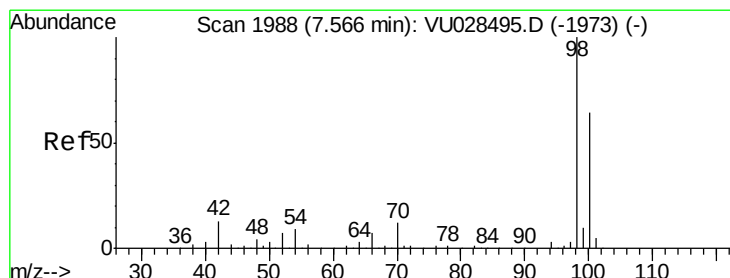
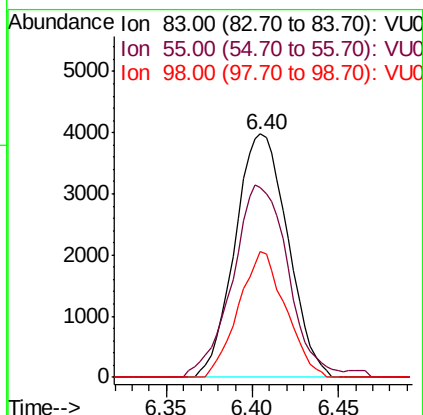
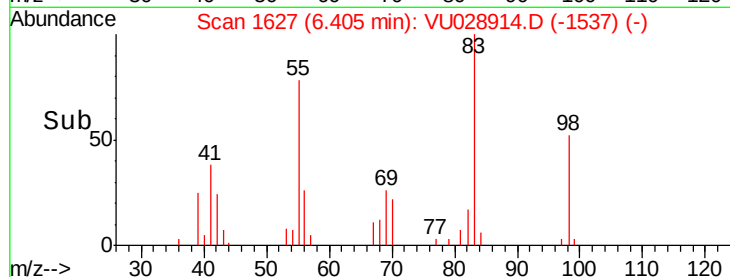
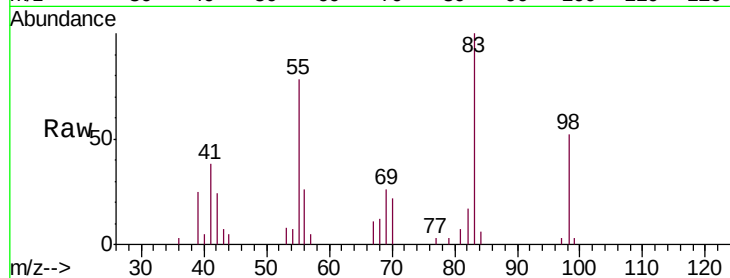




#39
Methylcyclohexane
Concen: 3.125 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

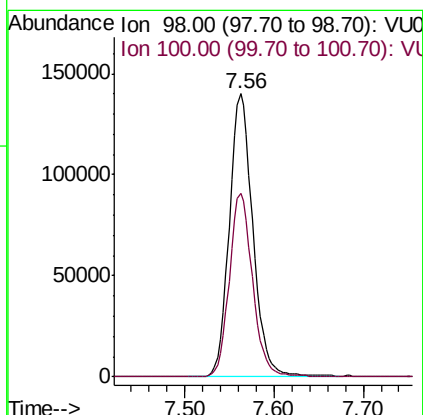
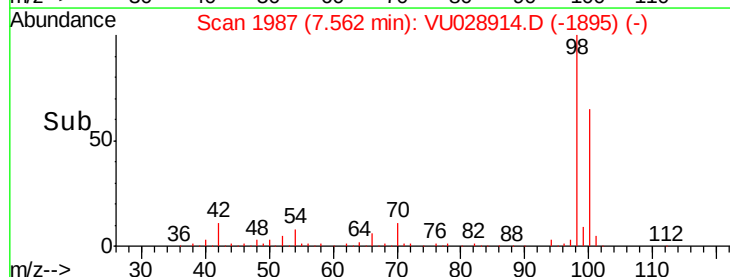
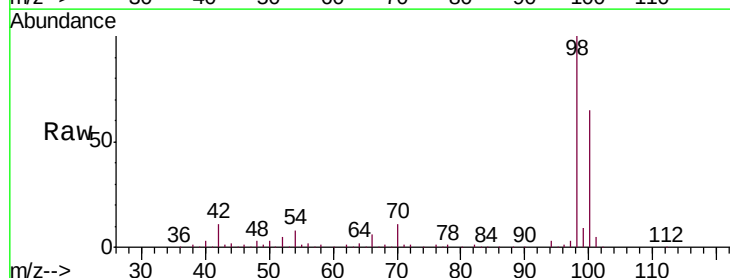
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013B-3642-01ME

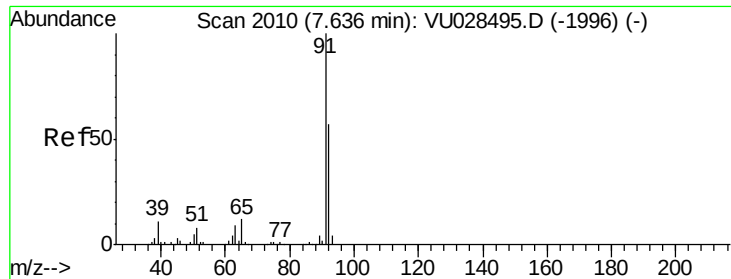
Tgt Ion: 83 Resp: 8477
Ion Ratio Lower Upper
83 100
55 75.4 70.2 105.2
98 51.6 34.2 51.4#



#50
Toluene-d8
Concen: 50.709 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

Tgt Ion: 98 Resp: 256477
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6





#52

Toluene

Concen: 1.212 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

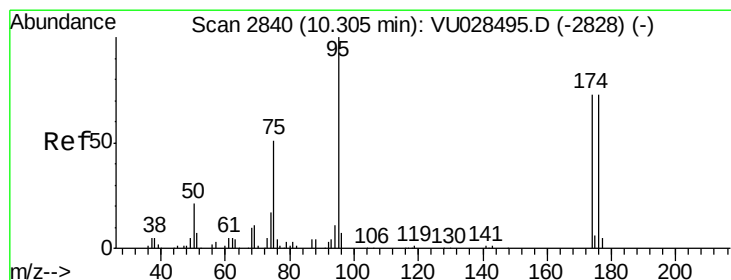
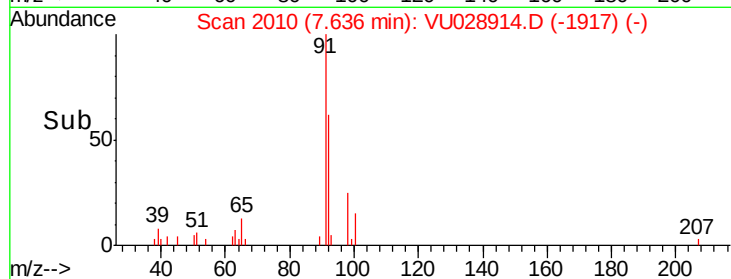
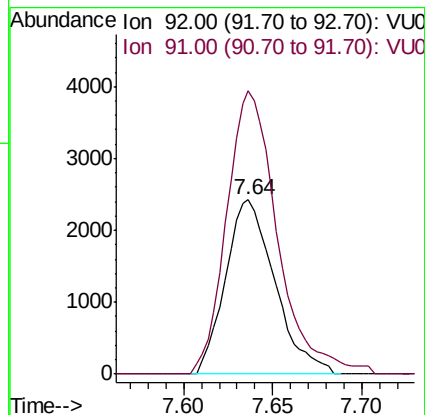
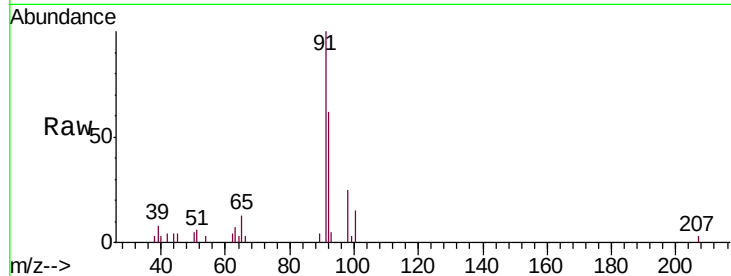
P001-SS013B-3642-01ME

Tgt Ion: 92 Resp: 4670

Ion Ratio Lower Upper

92 100

91 167.9 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 50.092 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.01 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

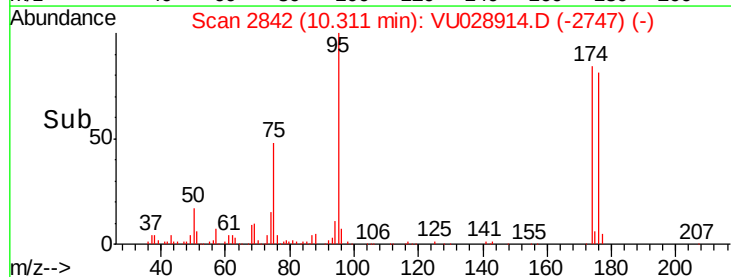
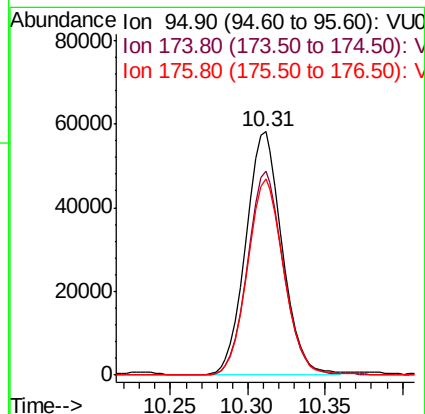
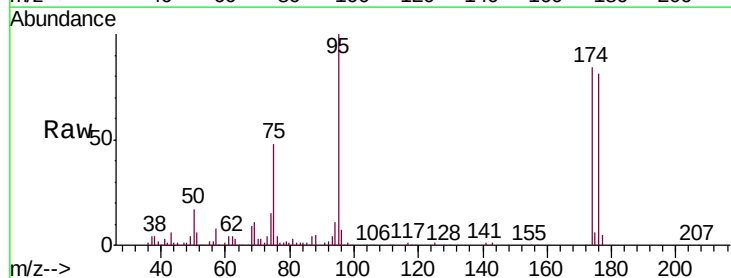
Tgt Ion: 95 Resp: 94696

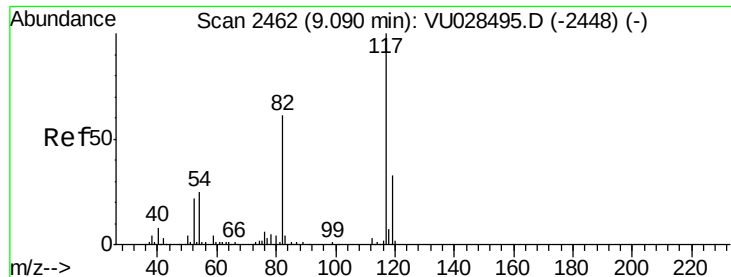
Ion Ratio Lower Upper

95 100

174 83.3 0.0 150.4

176 81.2 0.0 145.2

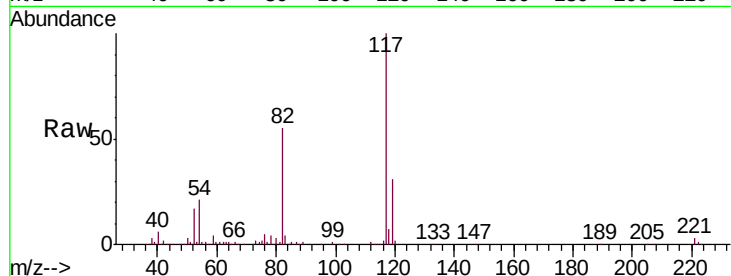




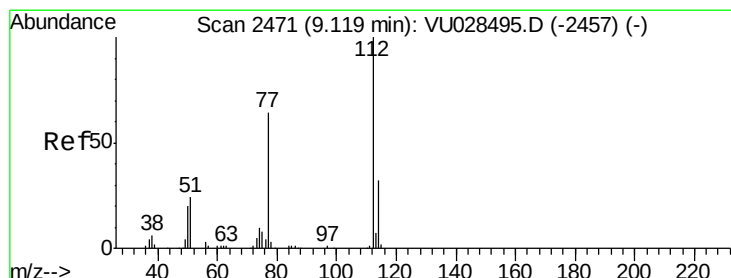
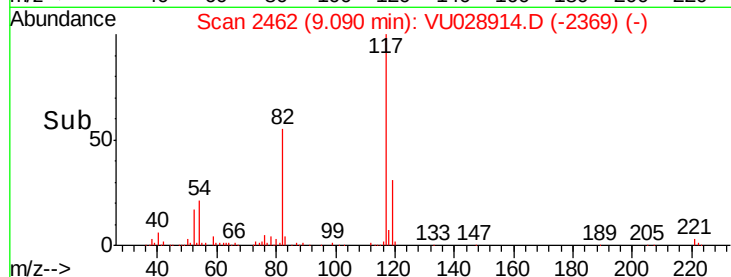
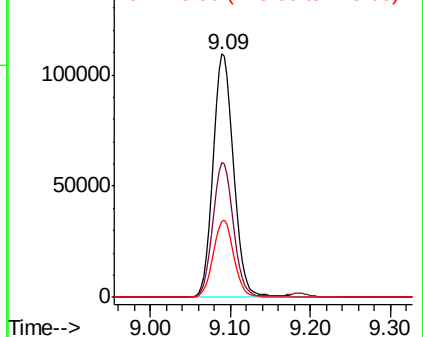
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013B-3642-01ME

Tgt Ion:117 Resp: 196362
Ion Ratio Lower Upper
117 100
82 55.1 48.9 73.3
119 31.2 26.2 39.4

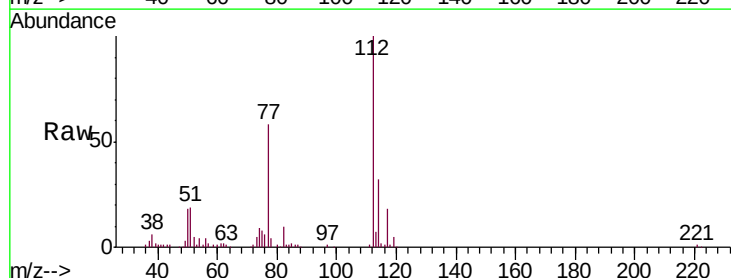


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

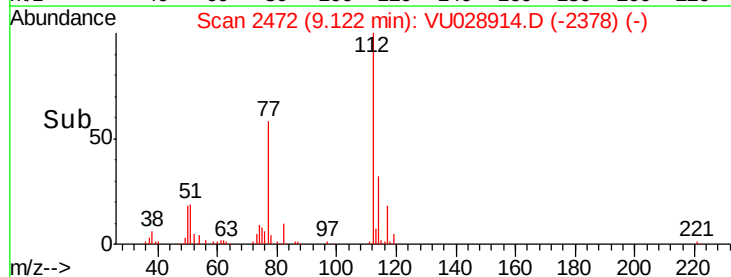
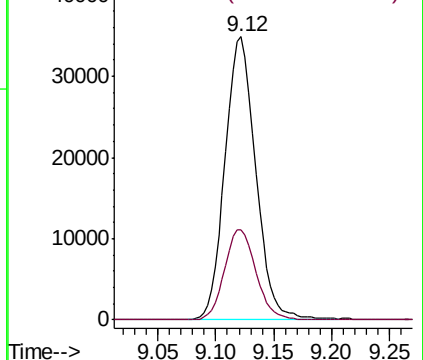


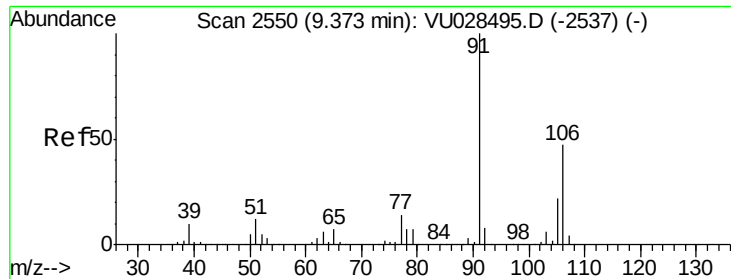
#65
Chlorobenzene
Concen: 15.326 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

Tgt Ion:112 Resp: 64127
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
40000 Ion 113.90 (113.60 to 114.60): V

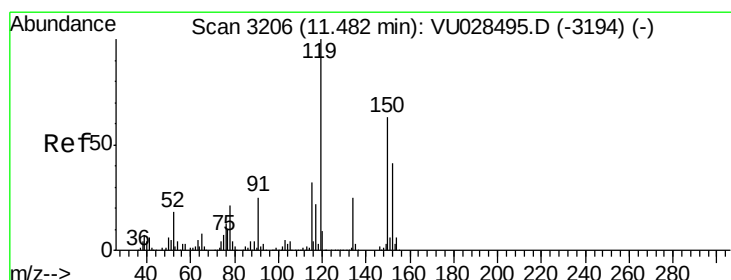
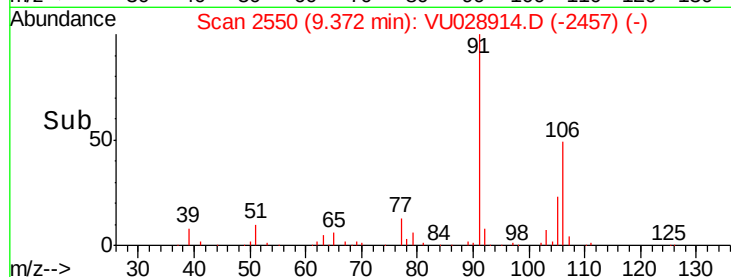
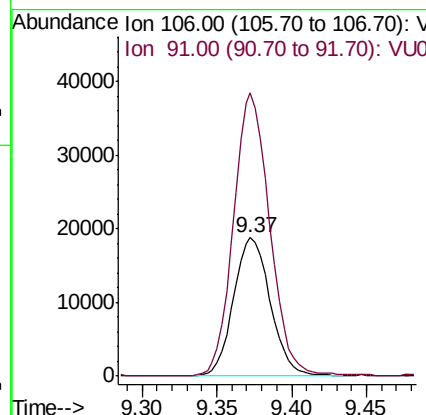
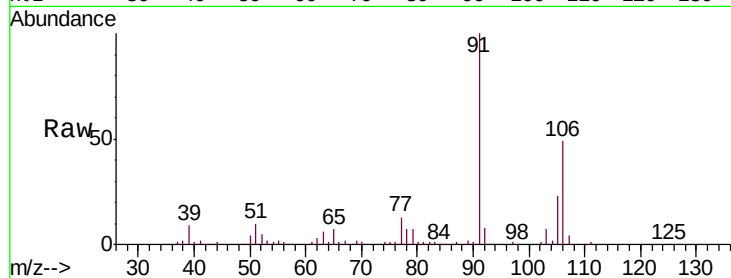




#68
m/p-Xylenes
Concen: 11.557 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

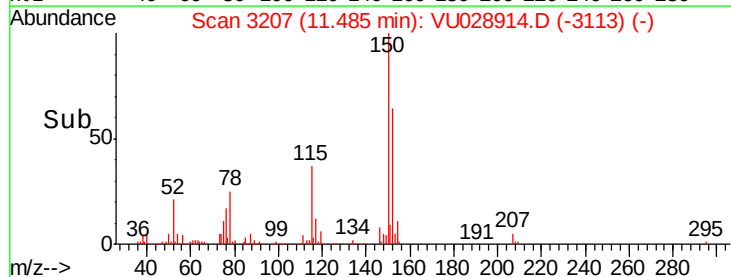
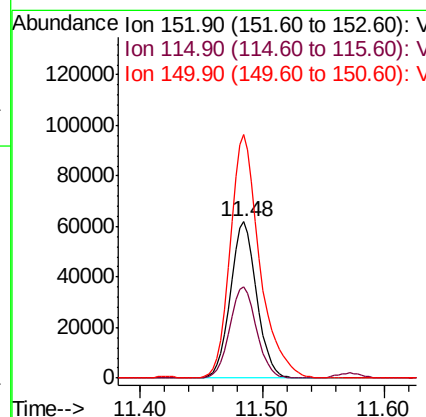
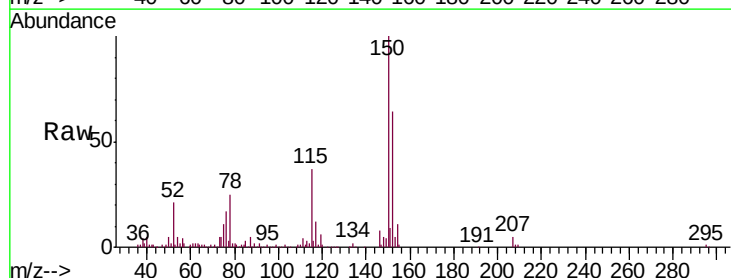
Instrument :
MSVOA_U
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P001-SS013B-3642-01ME

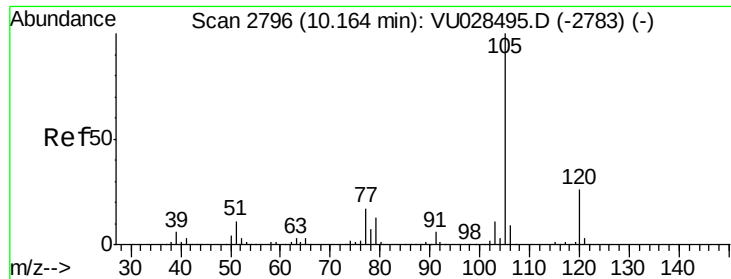
Tgt Ion:106 Resp: 32347
Ion Ratio Lower Upper
106 100
91 200.8 167.4 251.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028914.D
Acq: 22 Dec 2018 15:00

Tgt Ion:152 Resp: 93551
Ion Ratio Lower Upper
152 100
115 59.5 42.7 128.1
150 173.8 0.0 346.0





#73

Isopropylbenzene

Concen: 3.722 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

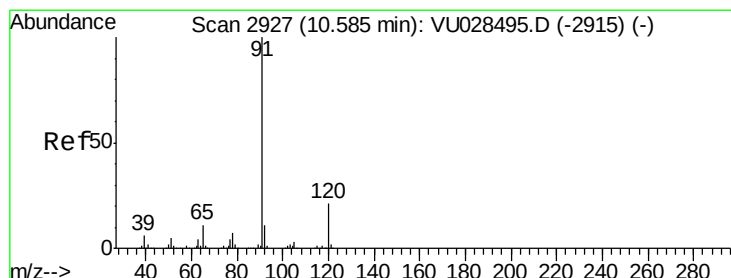
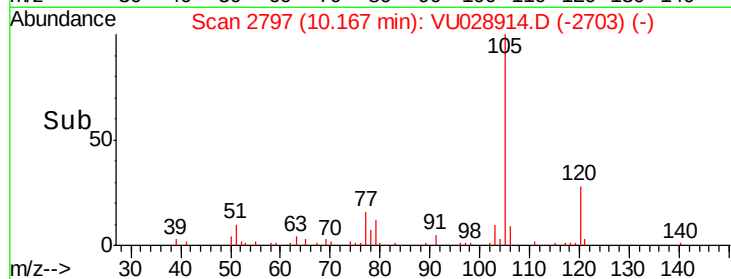
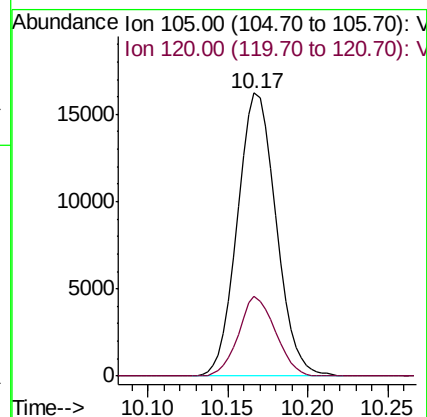
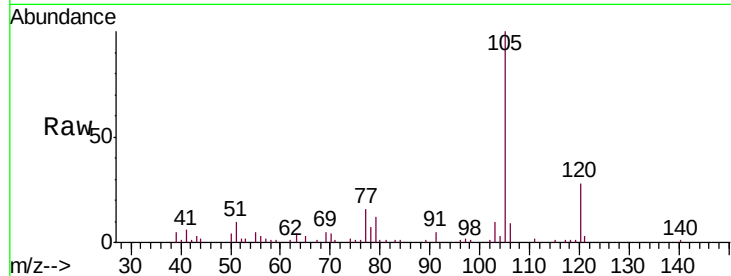
P001-SS013B-3642-01ME

Tgt Ion: 105 Resp: 26720

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.6



#78

n-propylbenzene

Concen: 6.453 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028914.D

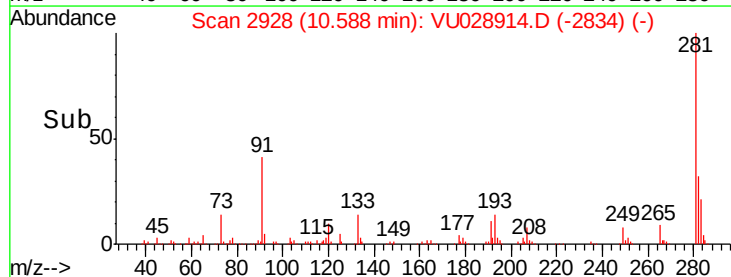
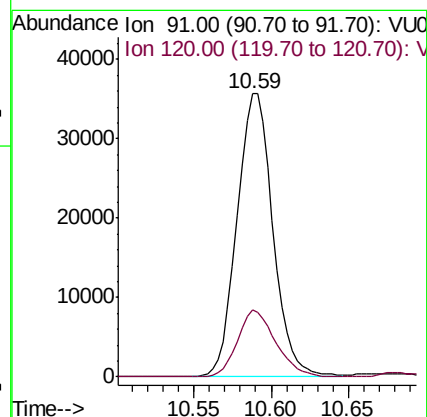
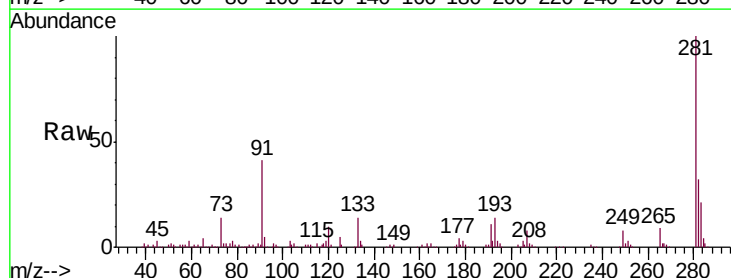
Acq: 22 Dec 2018 15:00

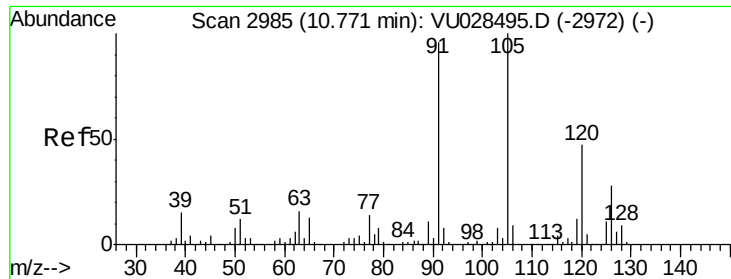
Tgt Ion: 91 Resp: 57557

Ion Ratio Lower Upper

91 100

120 24.9 10.6 31.8





#80

1,3,5-Trimethylbenzene

Concen: 1.519 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

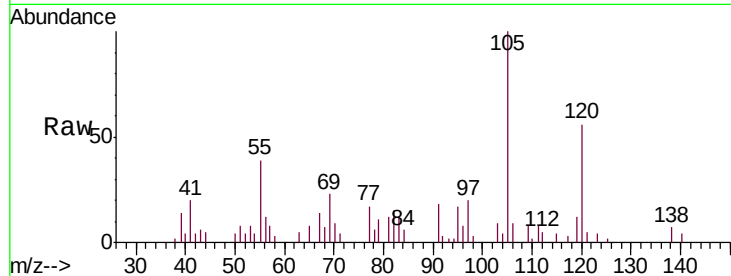
P001-SS013B-3642-01ME

Tgt Ion:105 Resp: 9028

Ion Ratio Lower Upper

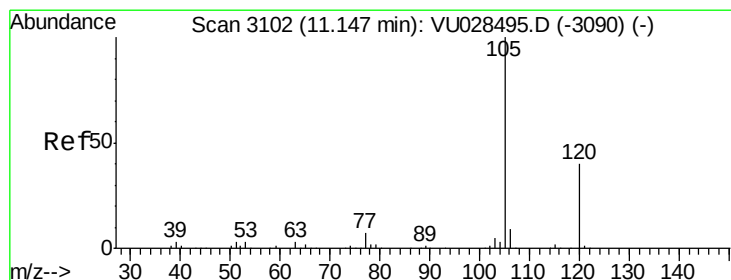
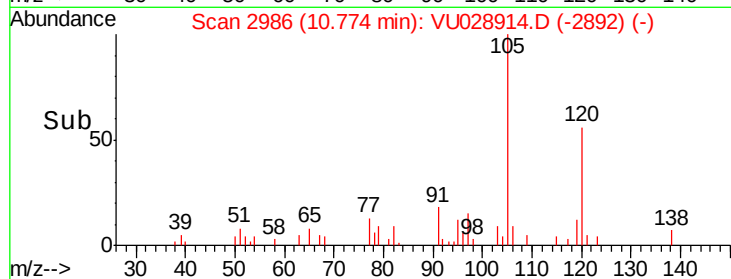
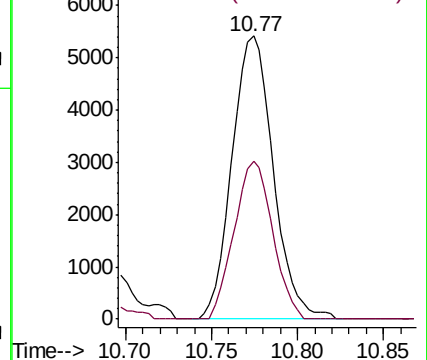
105 100

120 51.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 42.054 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028914.D

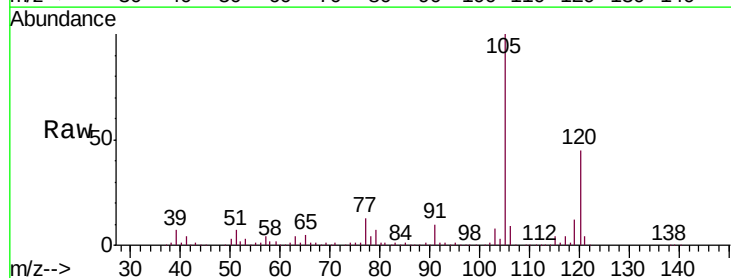
Acq: 22 Dec 2018 15:00

Tgt Ion:105 Resp: 257533

Ion Ratio Lower Upper

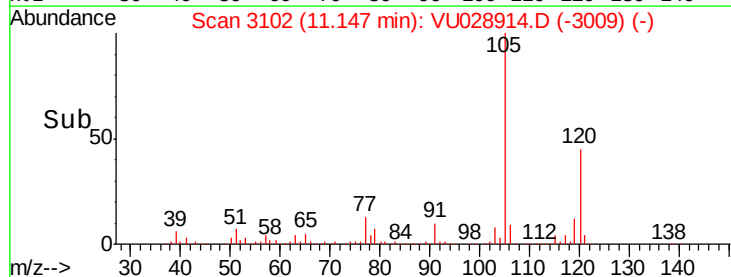
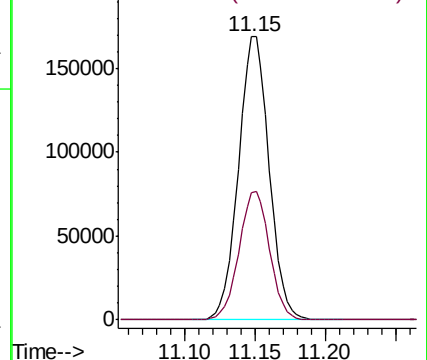
105 100

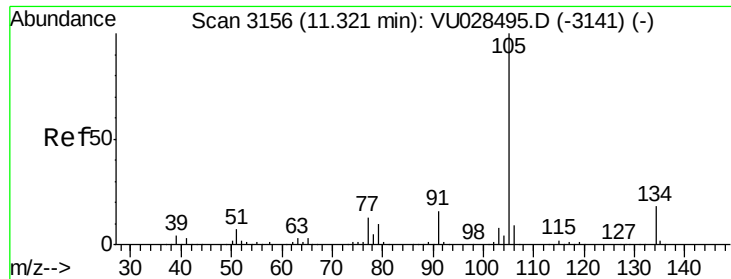
120 45.3 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.058 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

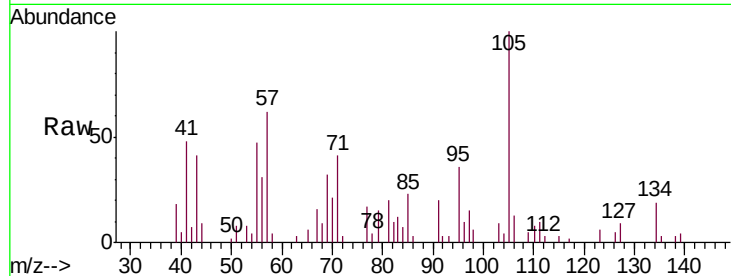
P001-SS013B-3642-01ME

Tgt Ion:105 Resp: 7788

Ion Ratio Lower Upper

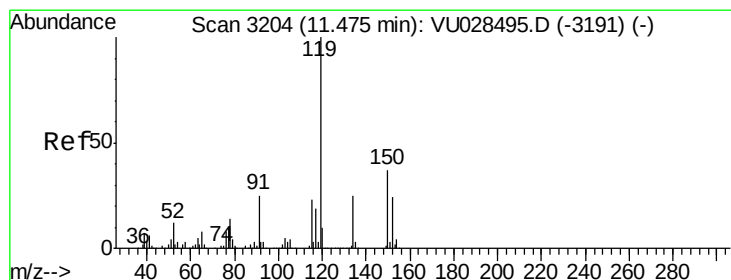
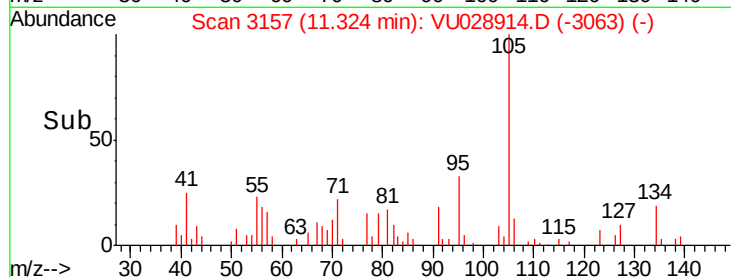
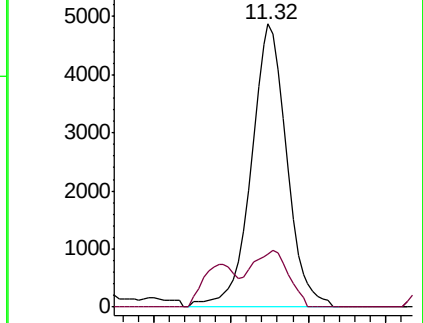
105 100

134 21.3 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.269 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

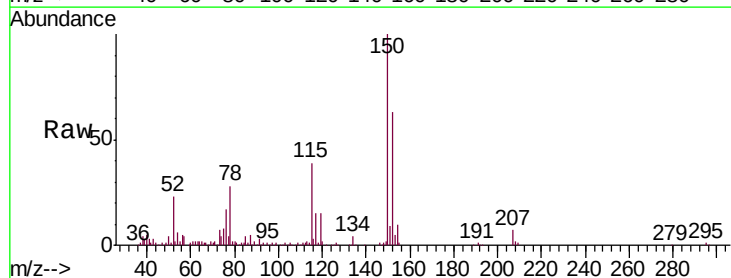
Tgt Ion:119 Resp: 14181

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

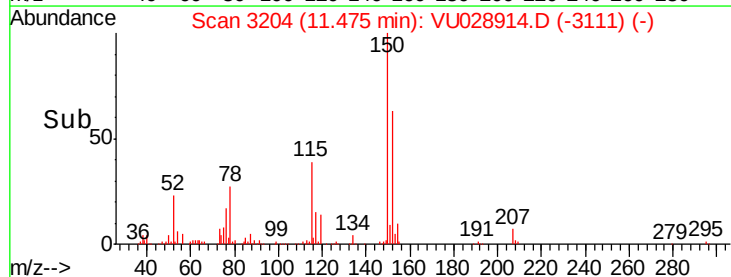
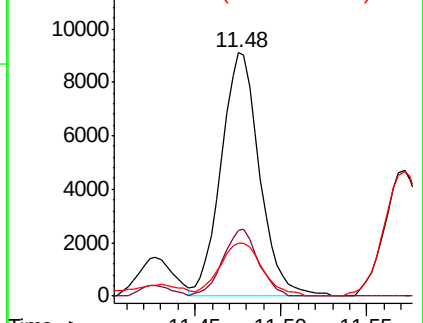
91 24.3 12.6 37.6

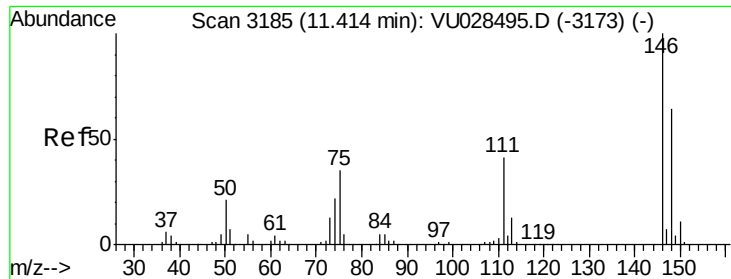


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

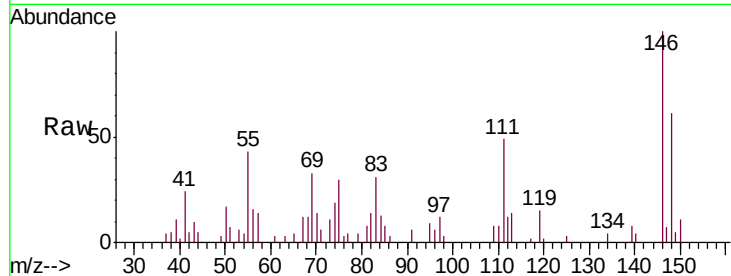




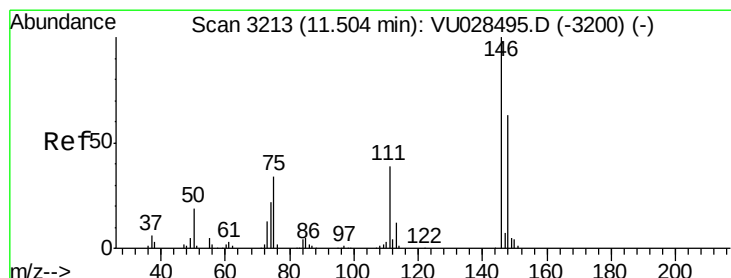
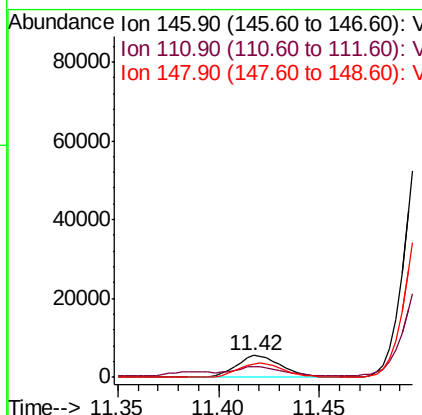
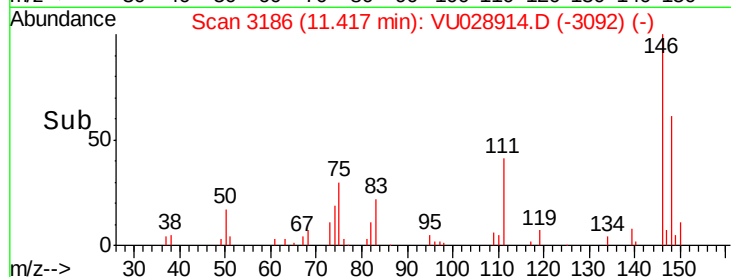
#87
 1,3-Dichlorobenzene
 Concen: 2.738 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028914.D
 Acq: 22 Dec 2018 15:00

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013B-3642-01ME

Tgt Ion:146 Resp: 8681
 Ion Ratio Lower Upper
 146 100
 111 46.7 20.7 62.1
 148 64.5 31.9 95.7

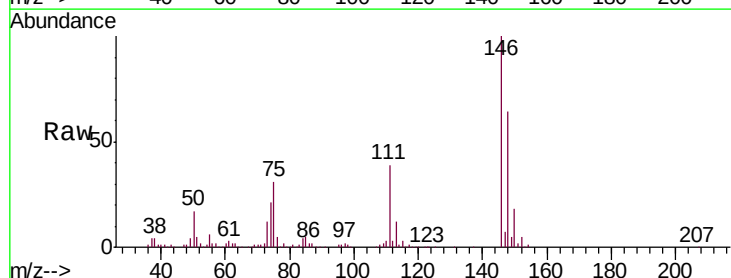


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

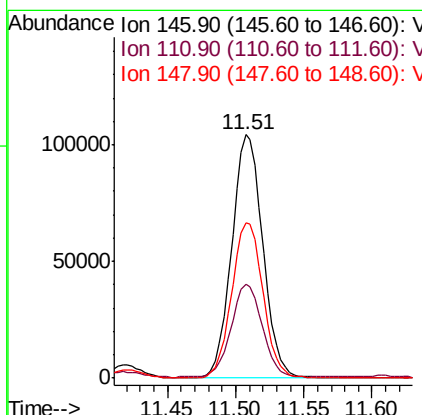
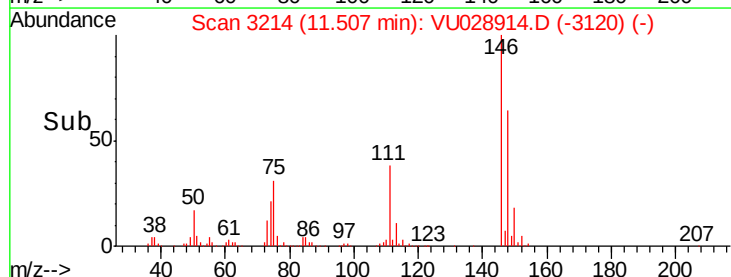


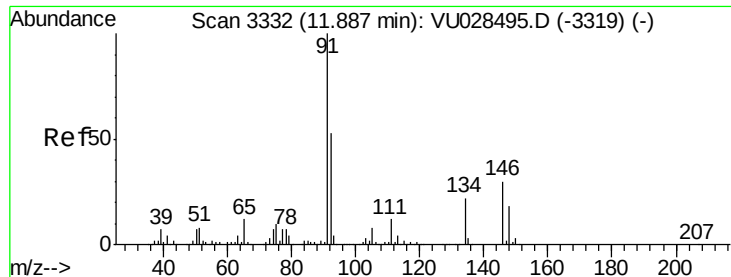
#88
 1,4-Dichlorobenzene
 Concen: 50.259 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028914.D
 Acq: 22 Dec 2018 15:00

Tgt Ion:146 Resp: 164843
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 64.3 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.853 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013B-3642-01ME

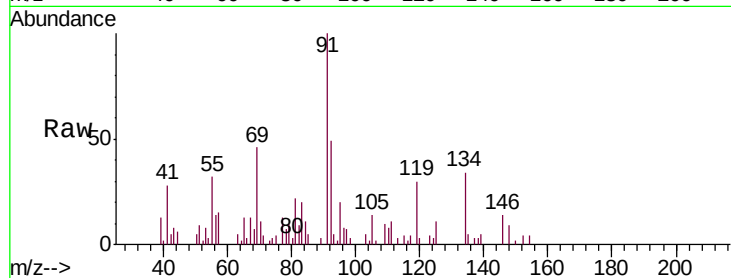
Tgt Ion: 91 Resp: 11722

Ion Ratio Lower Upper

91 100

92 40.8 26.3 78.9

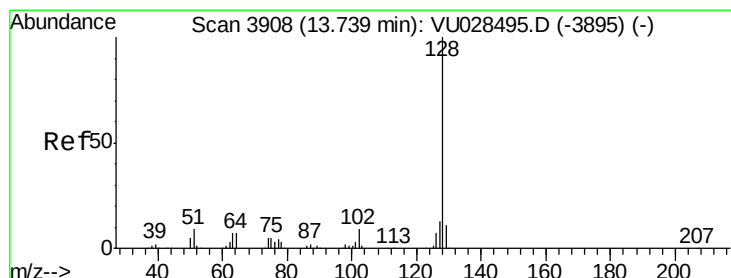
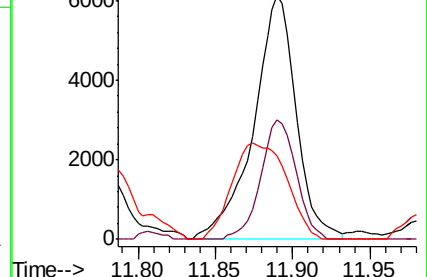
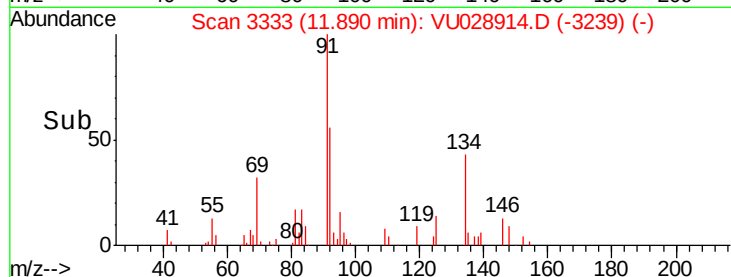
134 50.5 11.3 33.8#



Abundance Ion 91.00 (90.70 to 91.70): VU028914.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028914.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028914.D (-3319) (-)



#95

Naphthalene

Concen: 17.101 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028914.D

Acq: 22 Dec 2018 15:00

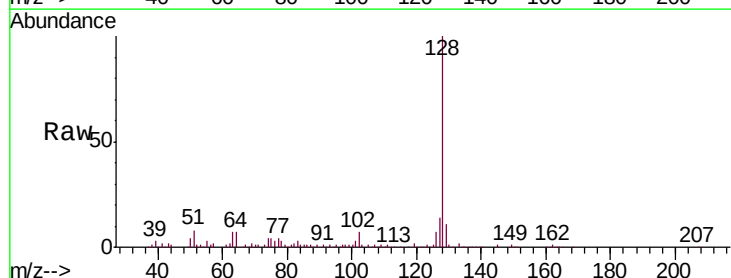
Tgt Ion: 128 Resp: 130129

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VU028914.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU028914.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU028914.D (-3895) (-)

