

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112918\
 Data File : VU028403.D
 Acq On : 29 Nov 2018 18:53
 Operator : MD/SY
 Sample : J6134-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

Quant Time: Nov 30 07:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	252225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	482527	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	459780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	219797	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	224284	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
35) Dibromofluoromethane	4.88	113	161521	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	7.57	98	638993	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	10.30	95	238539	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	

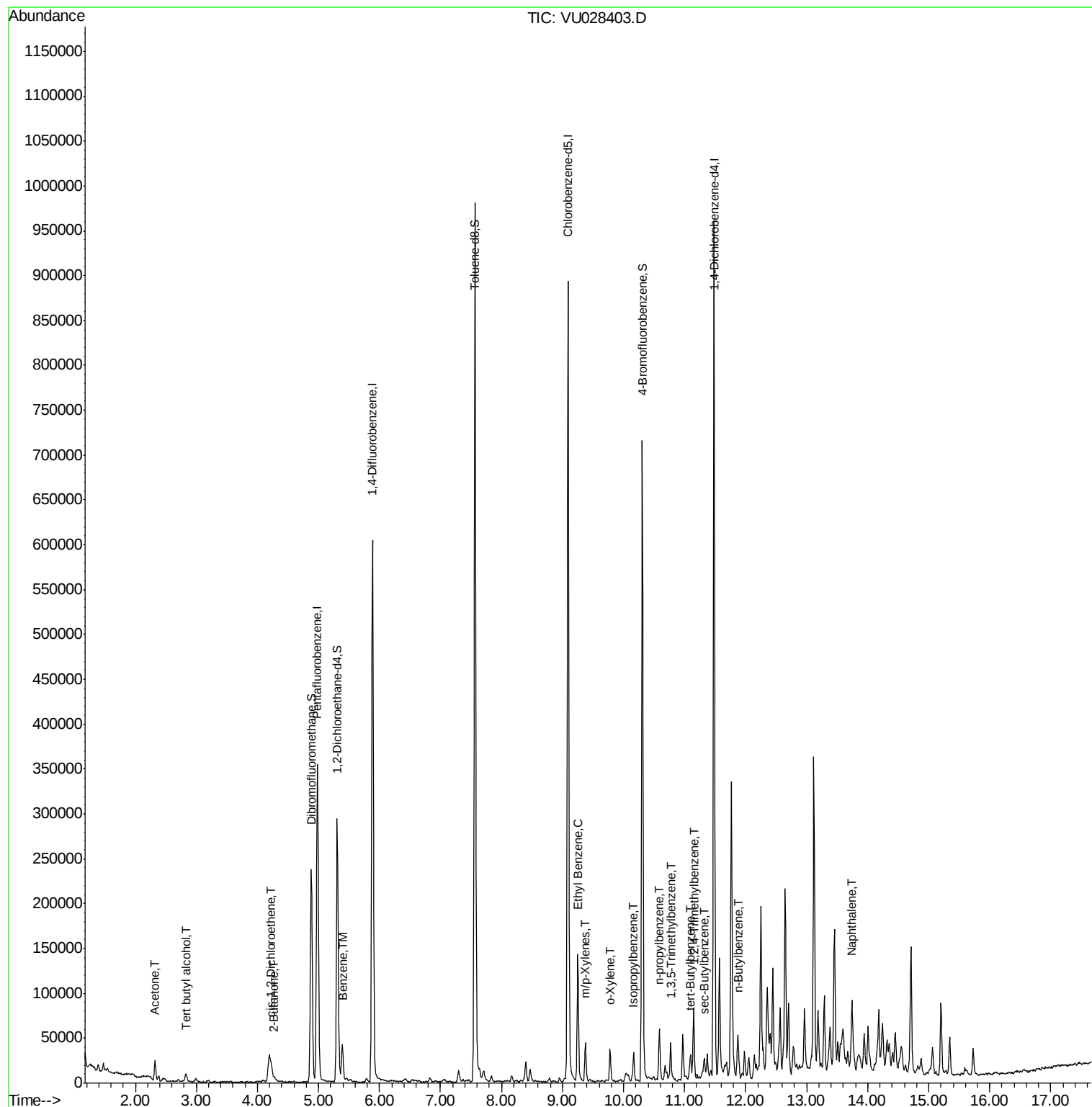
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	9021	9.420	ug/l #	82
16) Acetone	2.32	43	23906	9.271	ug/l	98
25) 2-Butanone	4.28	43	6753	1.827	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	7558	2.045	ug/l	83
40) Benzene	5.39	78	37785	2.416	ug/l	99
67) Ethyl Benzene	9.25	91	98535	5.480	ug/l	97
68) m/p-Xylenes	9.38	106	12363	1.910	ug/l	89
69) o-Xylene	9.78	106	8423	1.309	ug/l	93
73) Isopropylbenzene	10.16	105	19523	1.142	ug/l	97
78) n-propylbenzene	10.59	91	41540	1.970	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	20571	1.428	ug/l	92
83) tert-Butylbenzene	11.10	119	10346	0.770	ug/l	91
84) 1,2,4-Trimethylbenzene	11.15	105	39375	2.699	ug/l	100
85) sec-Butylbenzene	11.32	105	7653	0.439	ug/l	95
89) n-Butylbenzene	11.89	91	9316	0.658	ug/l #	43
95) Naphthalene	13.74	128	53971	5.587	ug/l	98

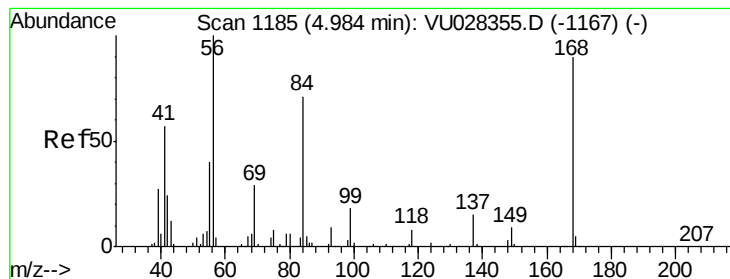
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 07:59:50 2018
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QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

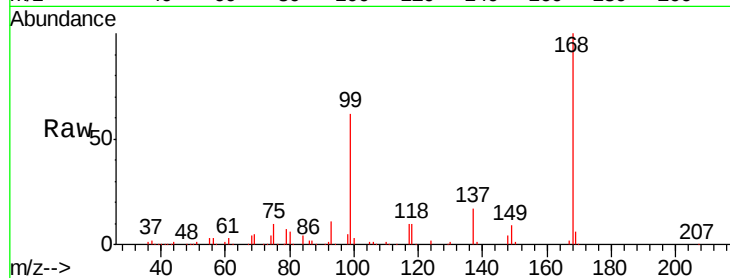
Instrument :
MSVOA_U
ClientSampled :
TW-1

Tgt Ion:168 Resp: 252225

Ion Ratio Lower Upper

168 100

99 62.4 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

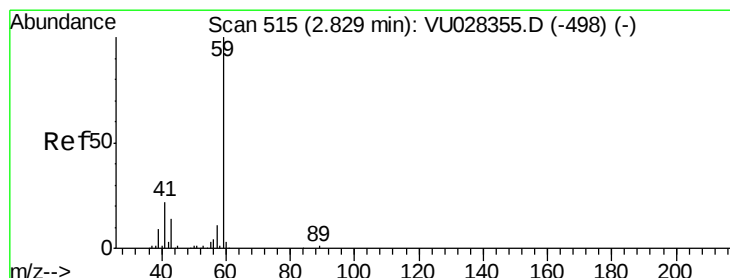
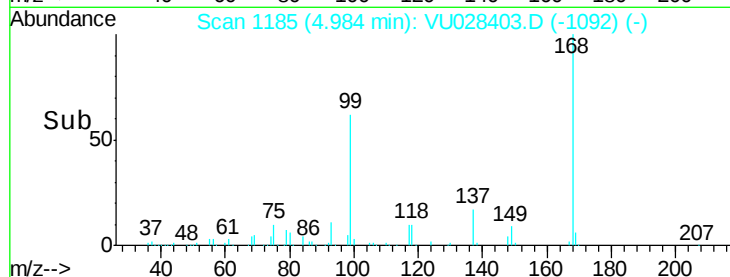
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.420 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028403.D

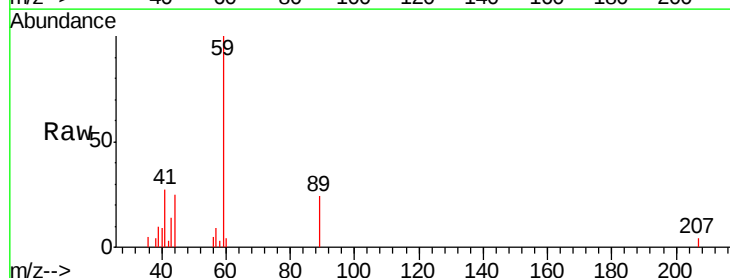
Acq: 29 Nov 2018 18:53

Tgt Ion: 59 Resp: 9021

Ion Ratio Lower Upper

59 100

57 3.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.83

4000

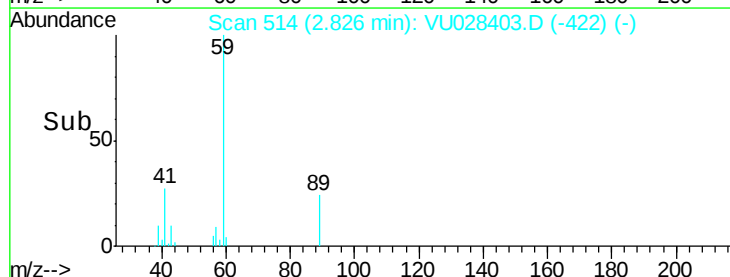
3000

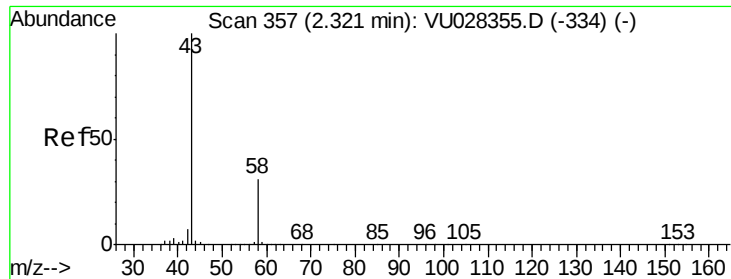
2000

1000

0

Time-->





#16

Acetone

Concen: 9.271 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

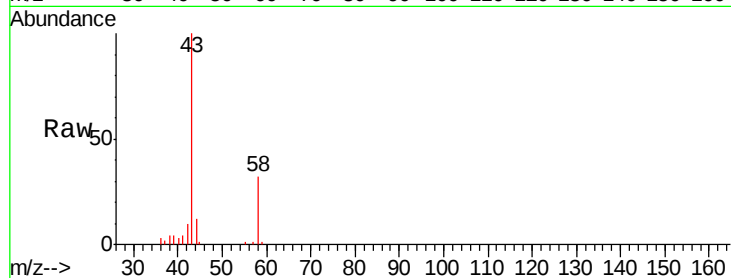
TW-1

Tgt Ion: 43 Resp: 23906

Ion Ratio Lower Upper

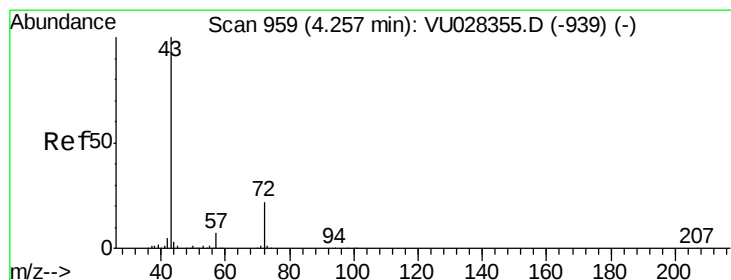
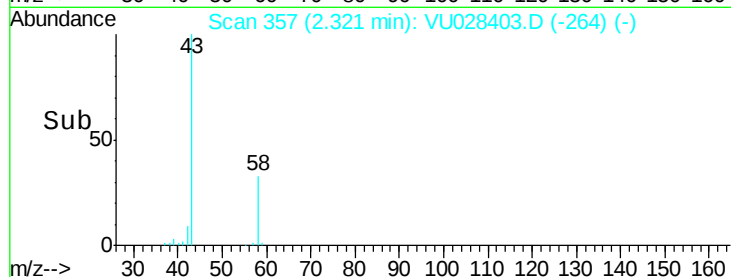
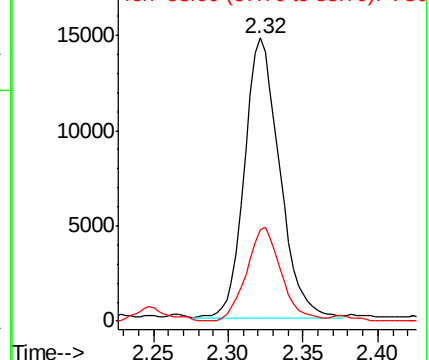
43 100

58 31.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

2-Butanone

Concen: 1.827 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.02 min

Lab File: VU028403.D

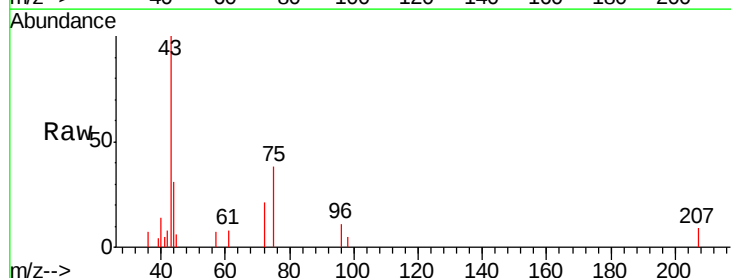
Acq: 29 Nov 2018 18:53

Tgt Ion: 43 Resp: 6753

Ion Ratio Lower Upper

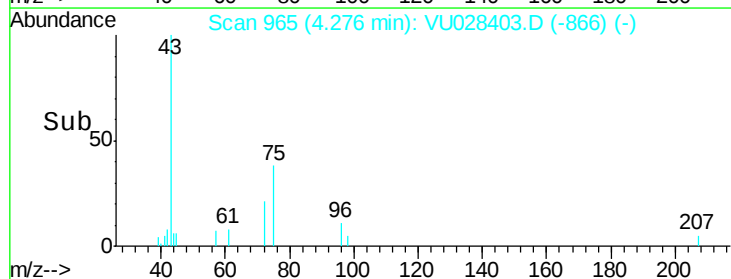
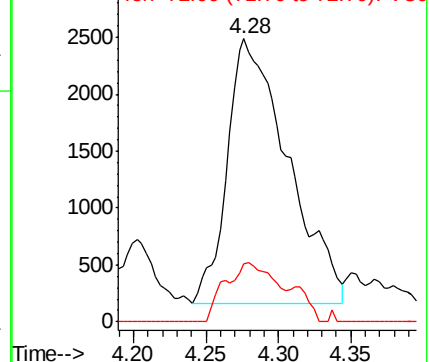
43 100

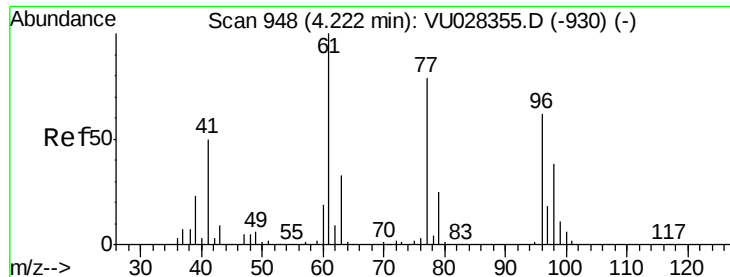
72 21.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



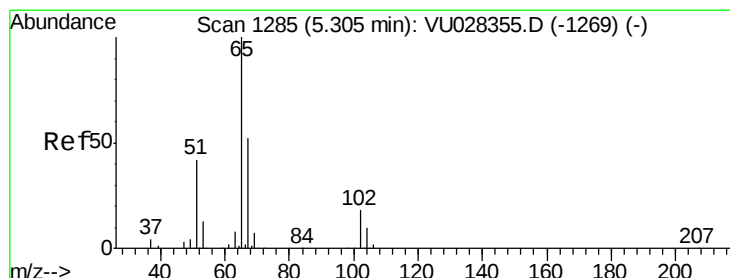
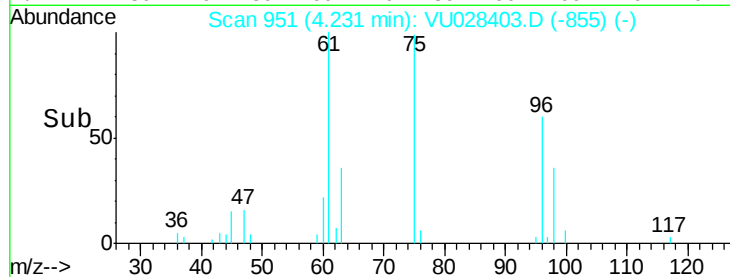
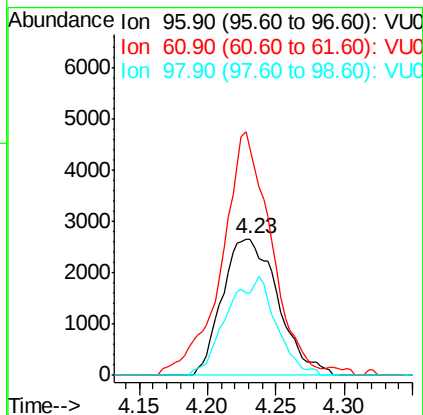
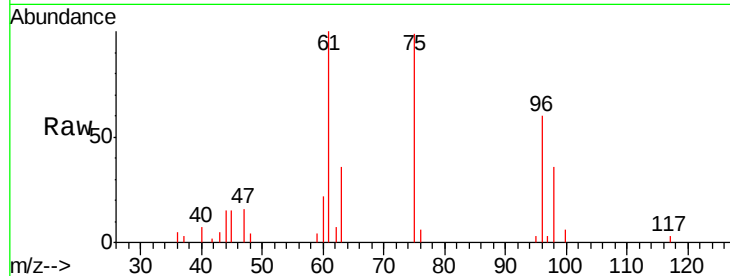


#27

cis-1,2-Dichloroethene
Concen: 2.045 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.01 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

Instrument :
MSVOA_U
ClientSampled :
TW-1

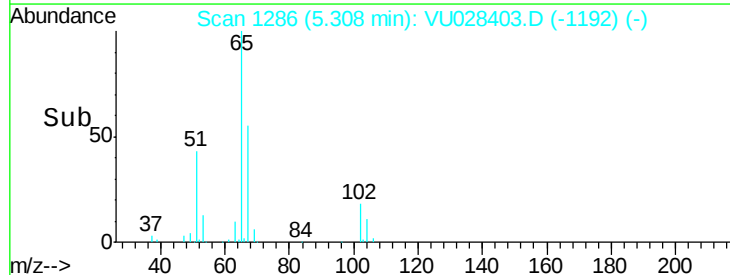
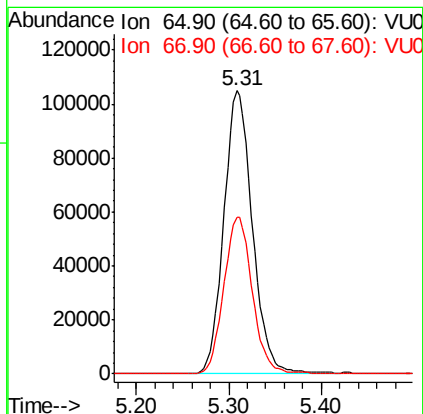
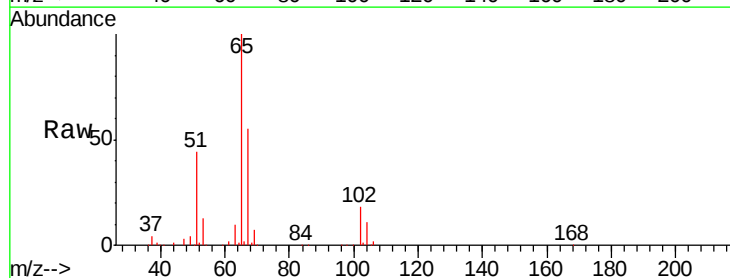
Tgt Ion: 96 Resp: 7558
Ion Ratio Lower Upper
96 100
61 158.2 0.0 342.0
98 33.2 0.0 126.4

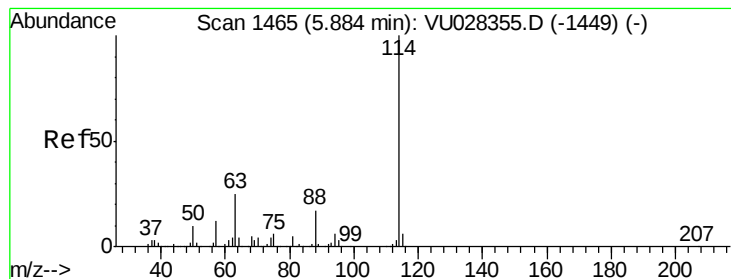


#33

1,2-Dichloroethane-d4
Concen: 53.207 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

Tgt Ion: 65 Resp: 224284
Ion Ratio Lower Upper
65 100
67 55.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

TW-1

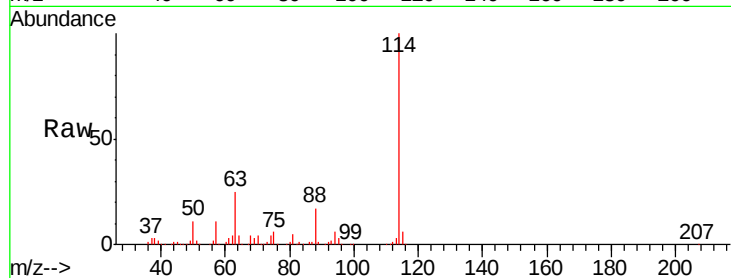
Tgt Ion:114 Resp: 482527

Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.0

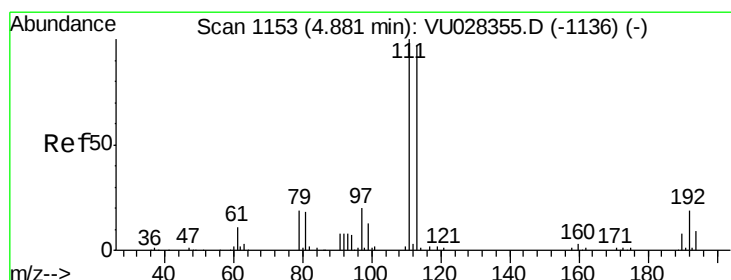
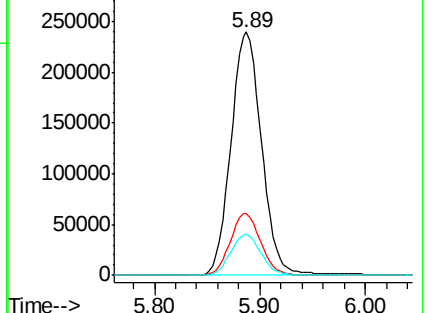
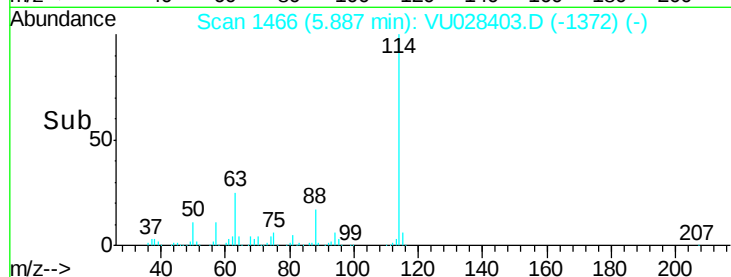
88 16.9 0.0 34.4



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: 50.340 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

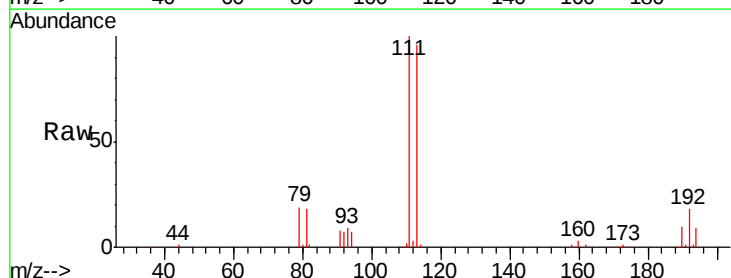
Tgt Ion:113 Resp: 161521

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

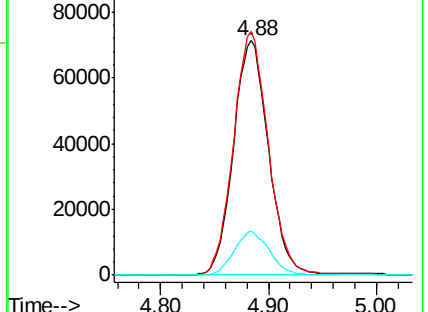
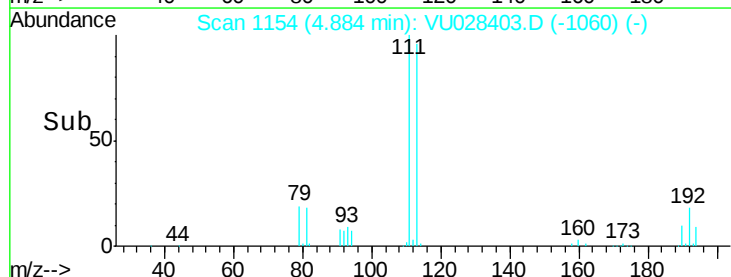
192 18.8 15.4 23.0

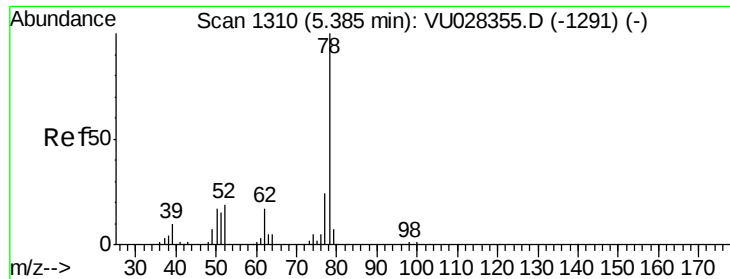


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.416 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

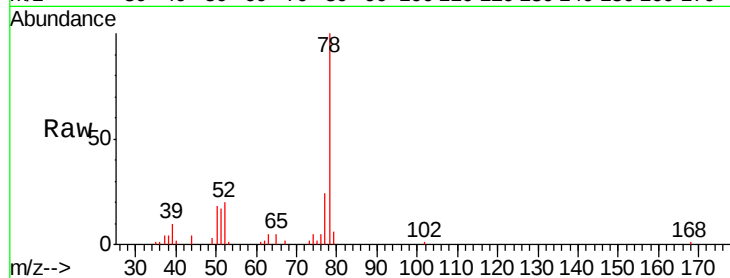
TW-1

Tgt Ion: 78 Resp: 37785

Ion Ratio Lower Upper

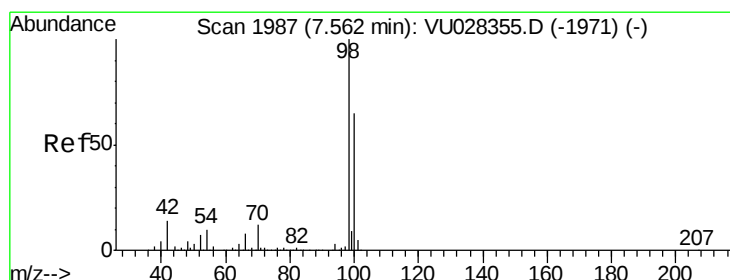
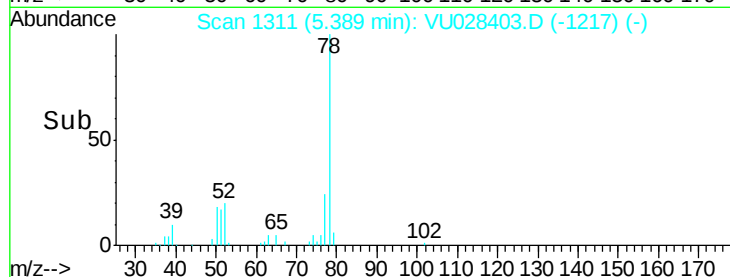
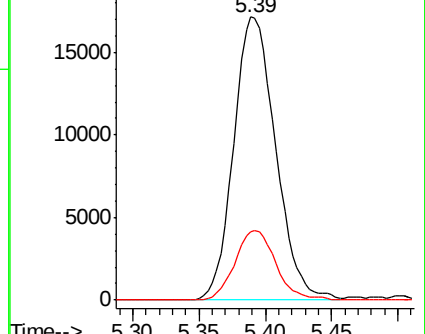
78 100

77 24.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 49.796 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028403.D

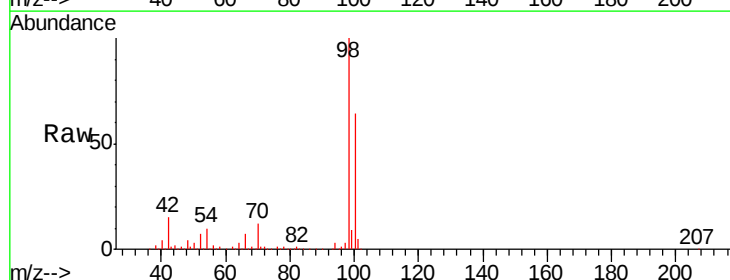
Acq: 29 Nov 2018 18:53

Tgt Ion: 98 Resp: 638993

Ion Ratio Lower Upper

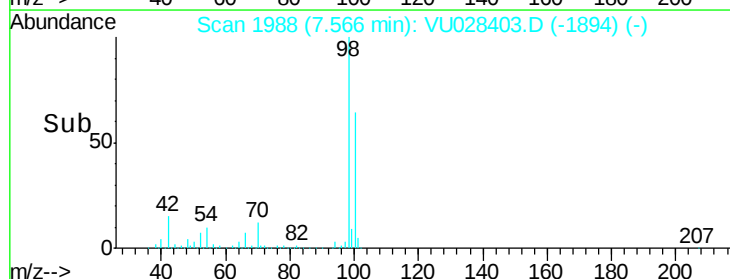
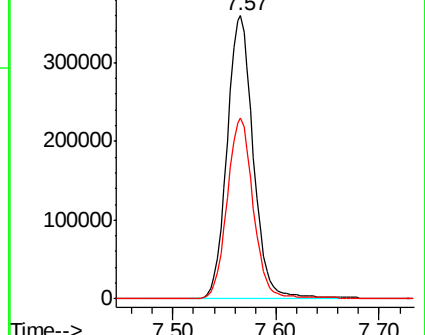
98 100

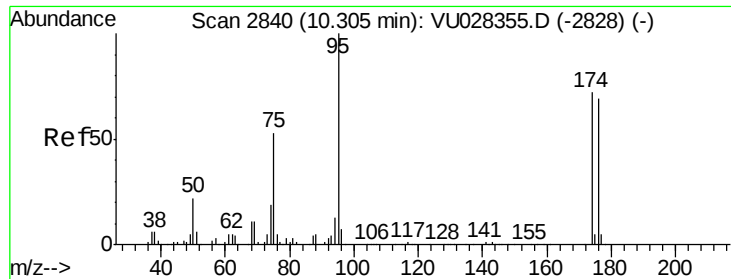
100 64.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 51.575 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

TW-1

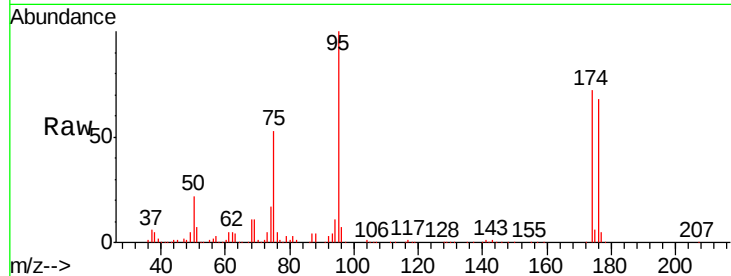
Tgt Ion: 95 Resp: 238539

Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.4

176 69.0 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

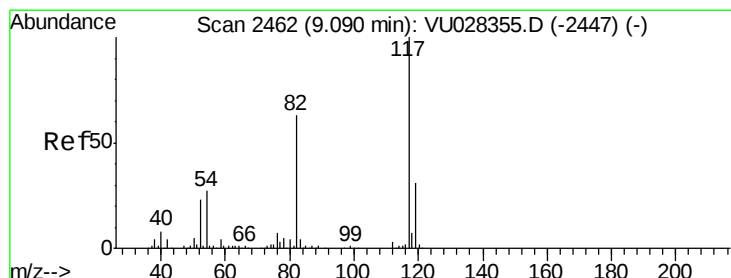
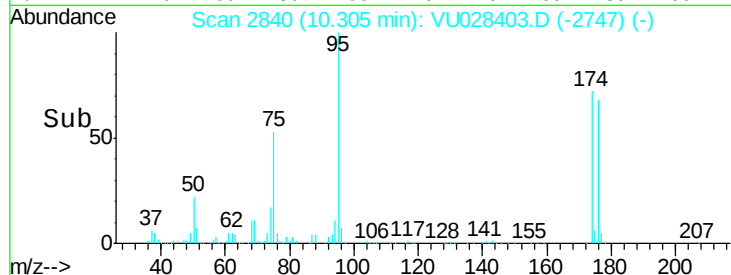
50000

0

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

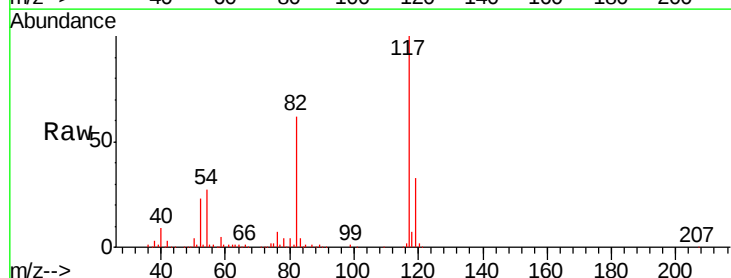
Tgt Ion: 117 Resp: 459780

Ion Ratio Lower Upper

117 100

82 62.4 50.3 75.5

119 32.6 24.8 37.2



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

300000

200000

100000

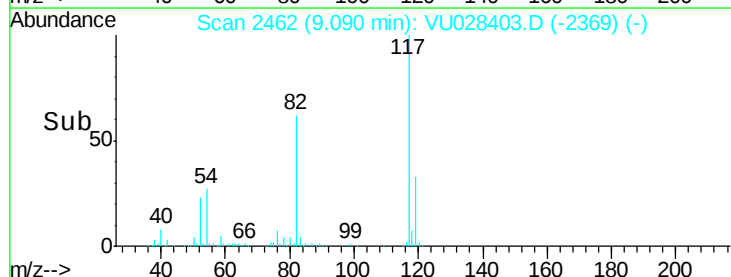
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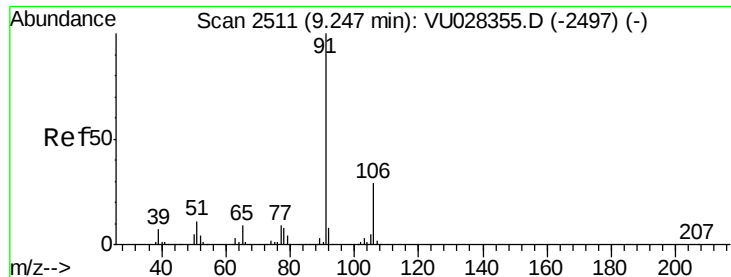
9.09

9.20

9.30

Time-->

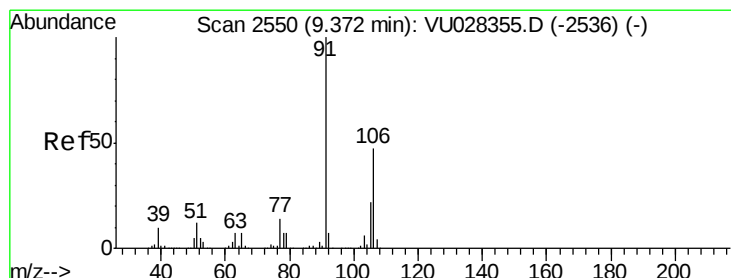
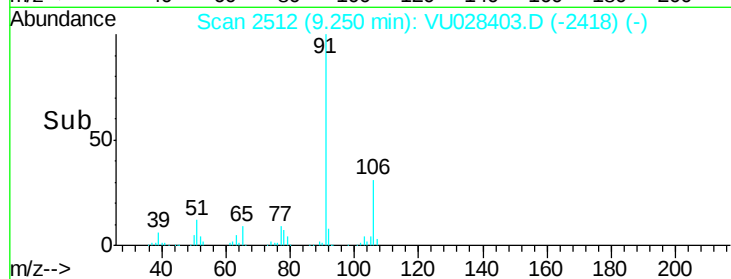
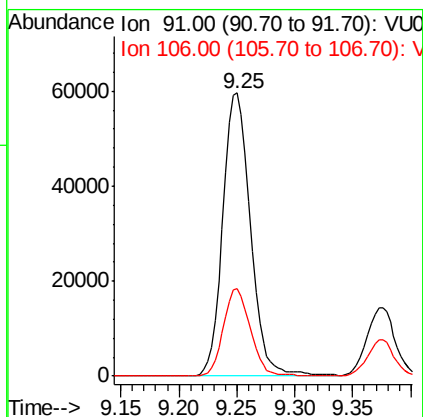
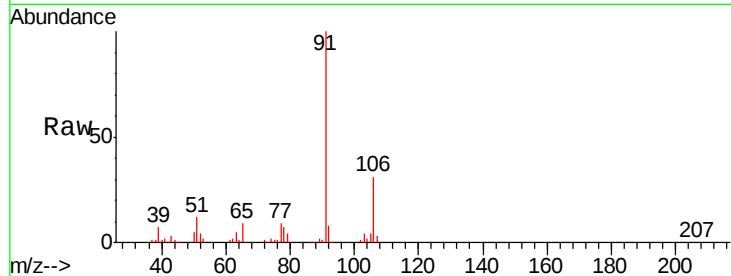




#67
Ethyl Benzene
Concen: 5.480 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

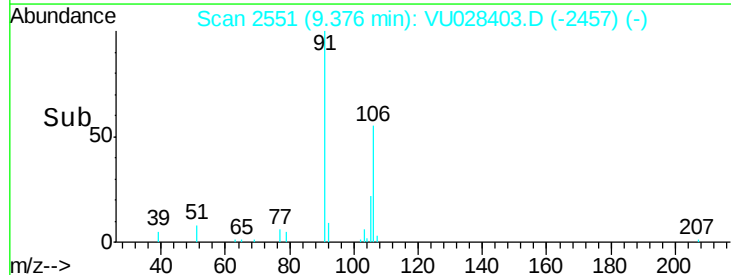
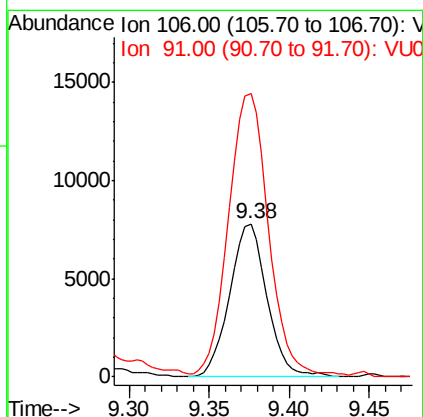
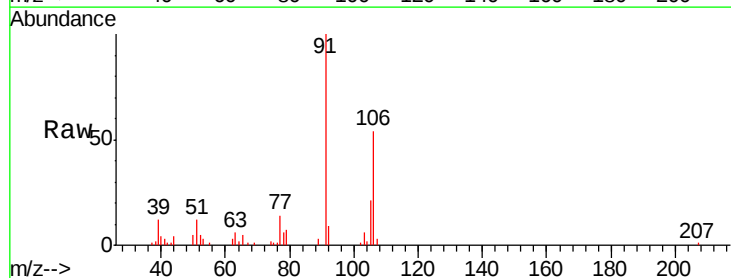
Instrument :
MSVOA_U
ClientSampled :
TW-1

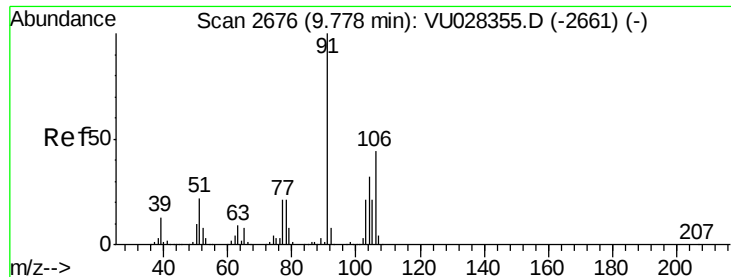
Tgt Ion: 91 Resp: 98535
Ion Ratio Lower Upper
91 100
106 30.8 23.3 34.9



#68
m/p-Xylenes
Concen: 1.910 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

Tgt Ion: 106 Resp: 12363
Ion Ratio Lower Upper
106 100
91 195.9 171.0 256.6

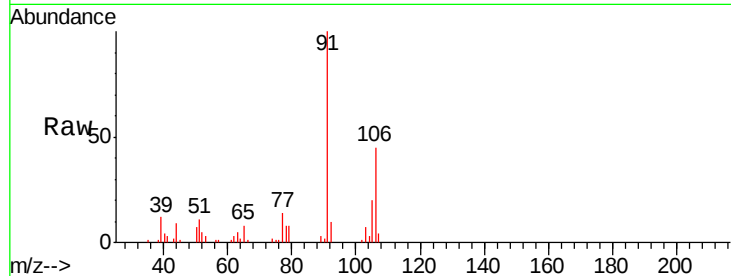




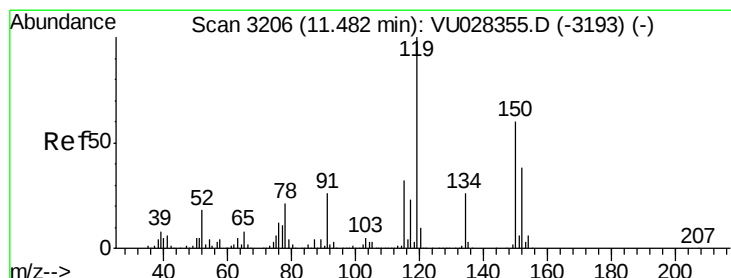
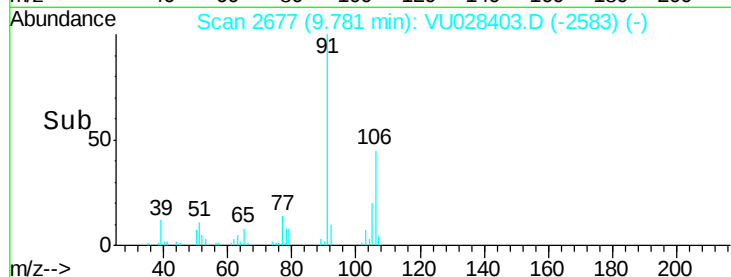
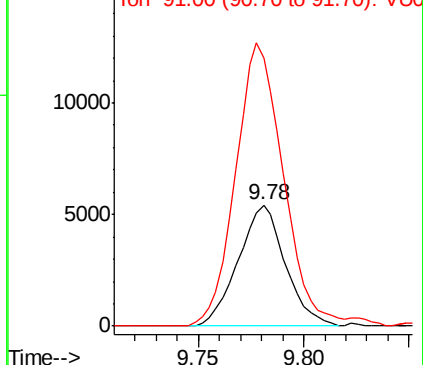
#69
o-Xylene
Concen: 1.309 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

Instrument :
MSVOA_U
ClientSampled :
TW-1

Tgt Ion:106 Resp: 8423
Ion Ratio Lower Upper
106 100
91 235.9 112.7 338.0

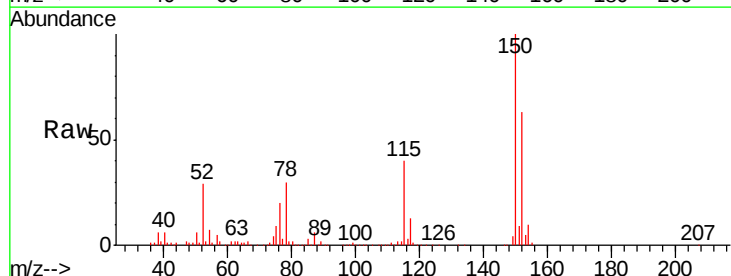


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

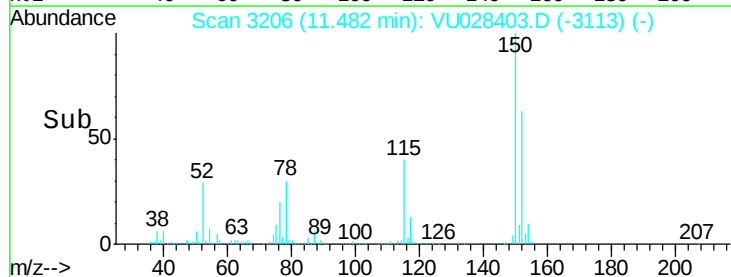
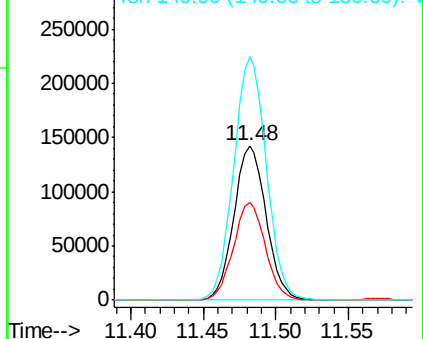


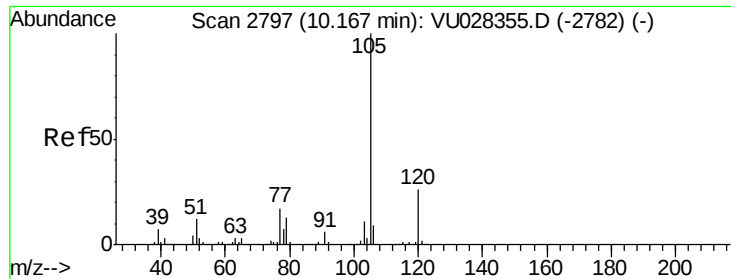
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028403.D
Acq: 29 Nov 2018 18:53

Tgt Ion:152 Resp: 219797
Ion Ratio Lower Upper
152 100
115 63.1 45.0 134.8
150 159.8 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





#73

Isopropylbenzene

Concen: 1.142 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

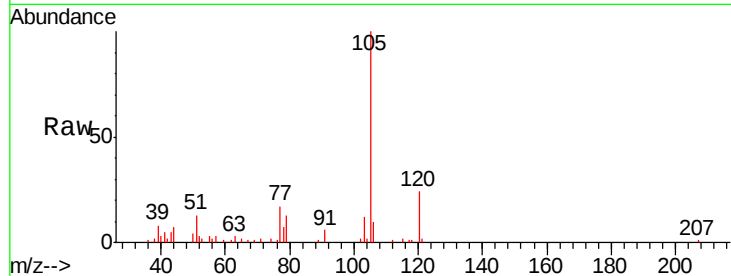
TW-1

Tgt Ion: 105 Resp: 19523

Ion Ratio Lower Upper

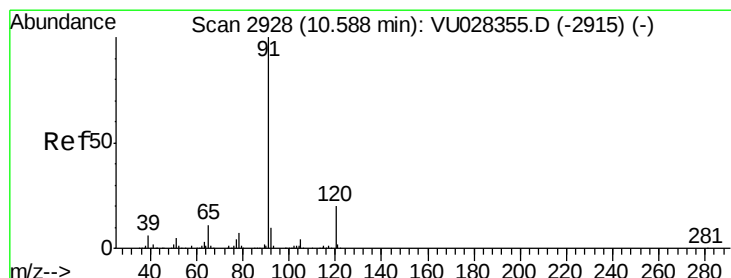
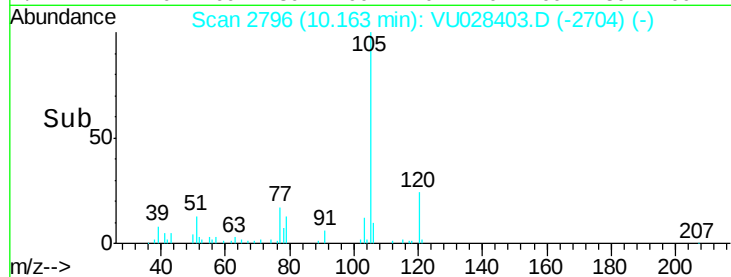
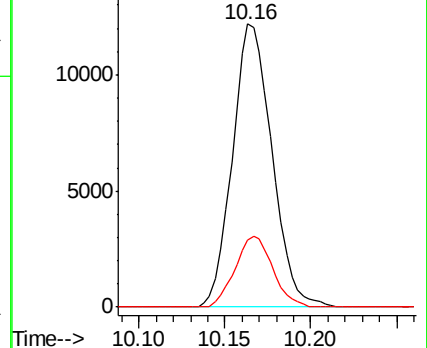
105 100

120 23.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.970 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028403.D

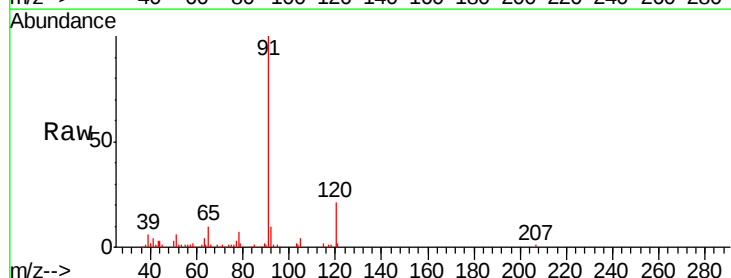
Acq: 29 Nov 2018 18:53

Tgt Ion: 91 Resp: 41540

Ion Ratio Lower Upper

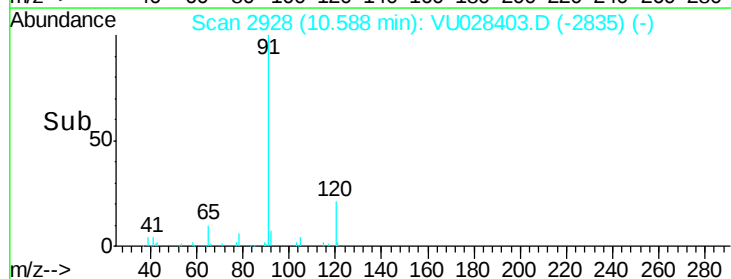
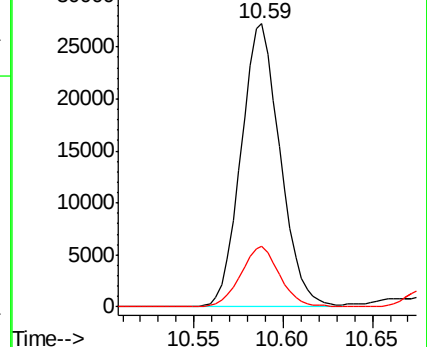
91 100

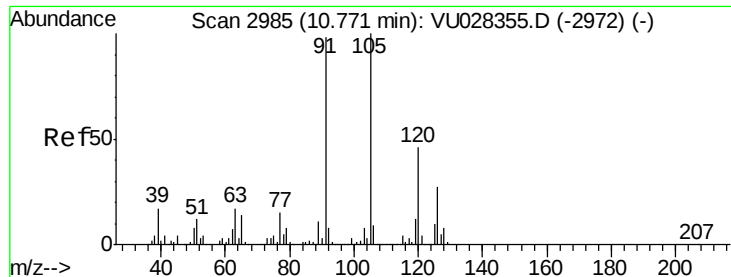
120 21.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.428 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampled :

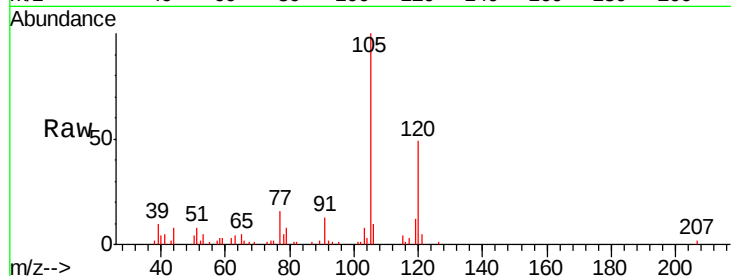
TW-1

Tgt Ion:105 Resp: 20571

Ion Ratio Lower Upper

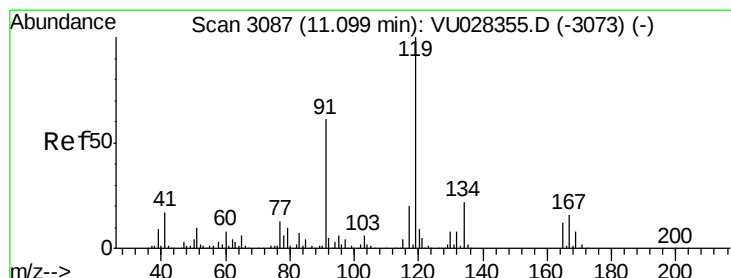
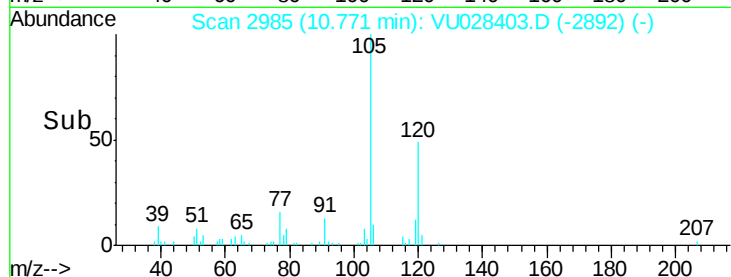
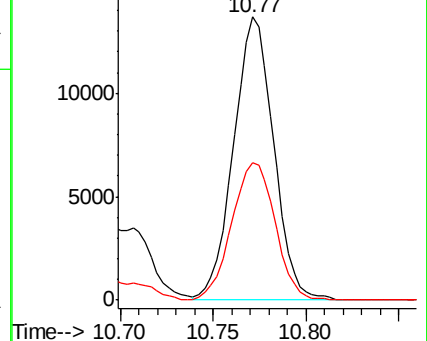
105 100

120 52.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.770 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

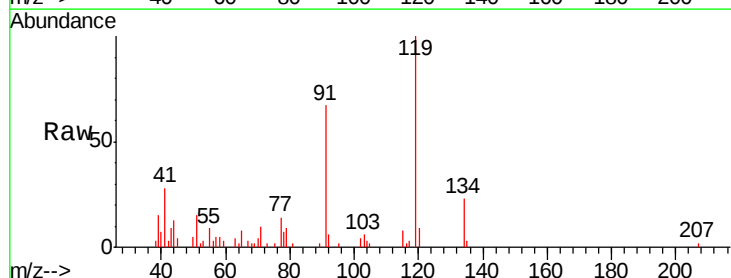
Tgt Ion:119 Resp: 10346

Ion Ratio Lower Upper

119 100

91 69.4 30.8 92.4

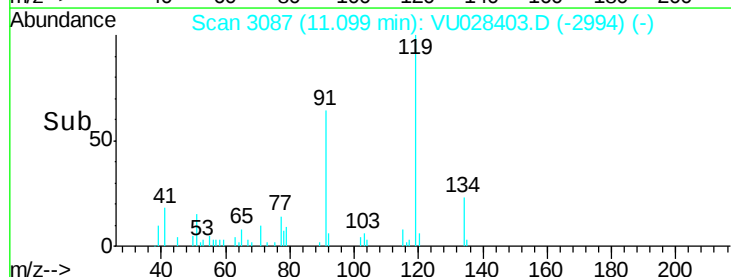
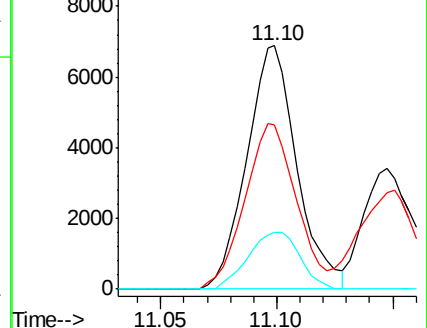
134 24.3 11.1 33.1

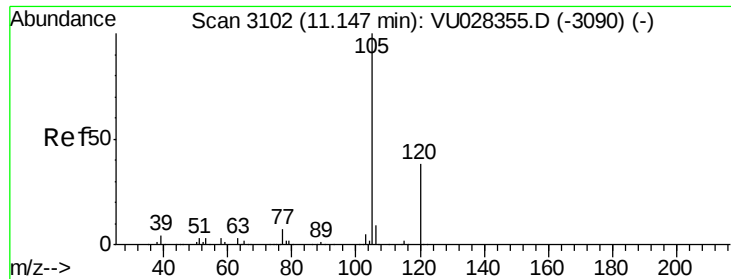


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

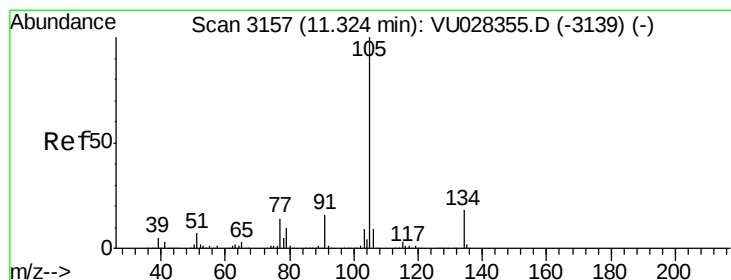
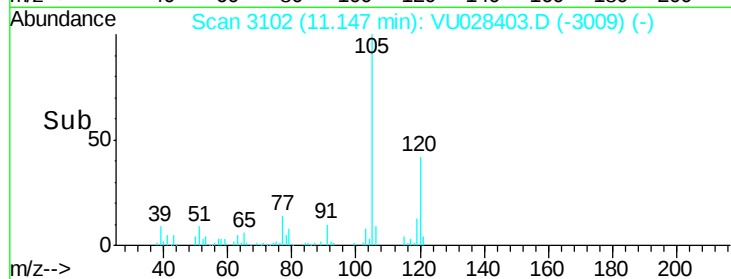
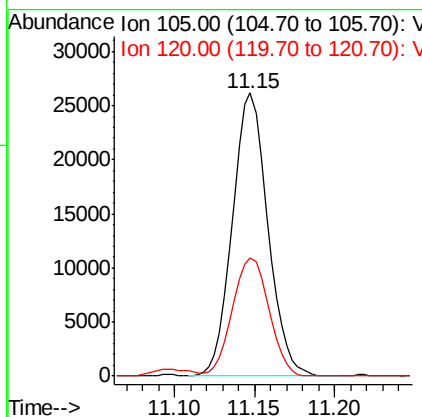
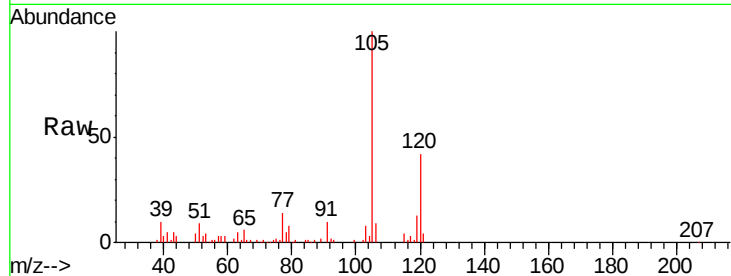




#84
 1,2,4-Trimethylbenzene
 Concen: 2.699 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028403.D
 Acq: 29 Nov 2018 18:53

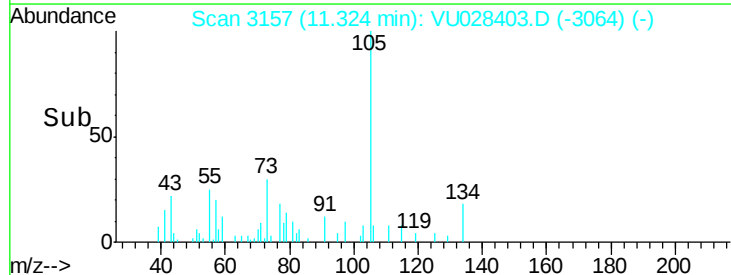
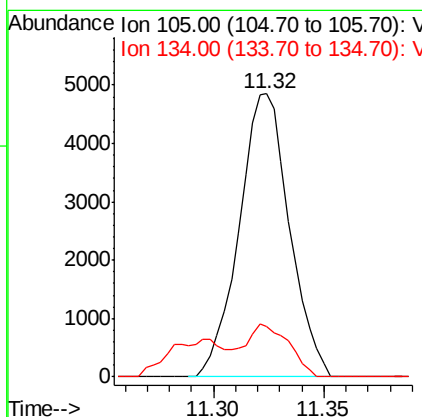
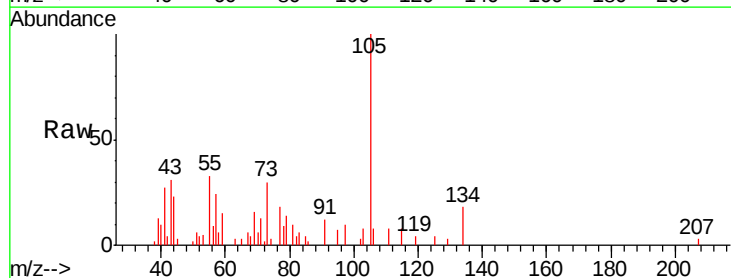
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

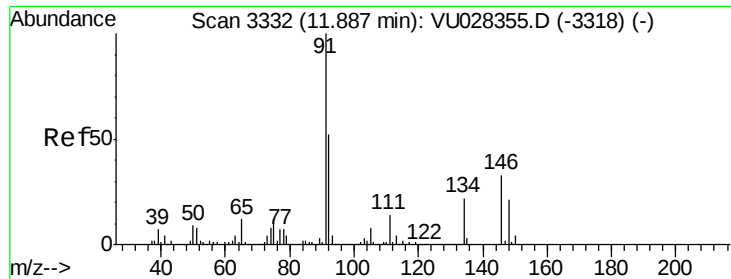
Tgt Ion:105 Resp: 39375
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.4 64.3



#85
 sec-Butylbenzene
 Concen: 0.439 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028403.D
 Acq: 29 Nov 2018 18:53

Tgt Ion:105 Resp: 7653
 Ion Ratio Lower Upper
 105 100
 134 16.2 9.3 27.7





#89

n-Butylbenzene

Concen: 0.658 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Instrument :

MSVOA_U

ClientSampleId :

TW-1

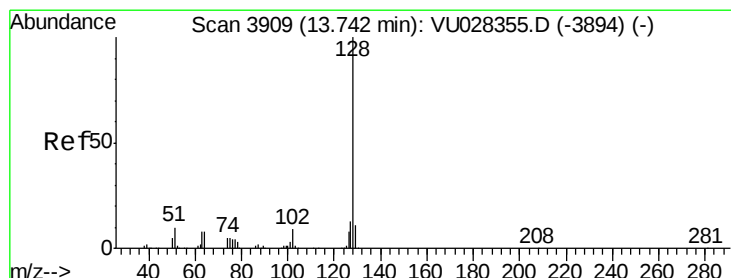
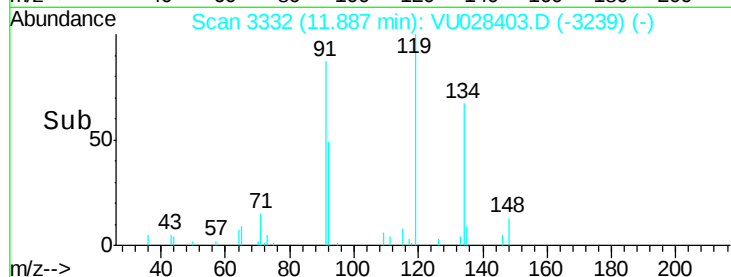
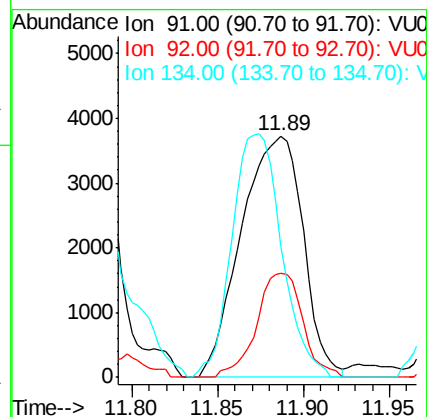
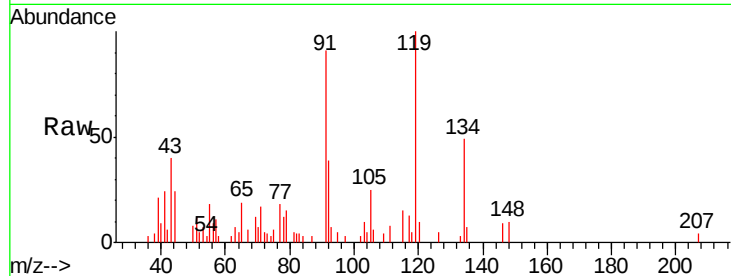
Tgt Ion: 91 Resp: 9316

Ion Ratio Lower Upper

91 100

92 32.1 26.2 78.5

134 81.6 11.1 33.1#



#95

Naphthalene

Concen: 5.587 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028403.D

Acq: 29 Nov 2018 18:53

Tgt Ion: 128 Resp: 53971

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

129 11.5 8.6 12.8

