

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028623.D
 Acq On : 11 Dec 2018 21:39
 Operator : MD/SY
 Sample : J6305-01DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Quant Time: Dec 12 05:00:15 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	4.98	168	80733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	148157	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54718	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	69559	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	4.88	113	50922	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	7.56	98	193501	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	10.30	95	64136	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

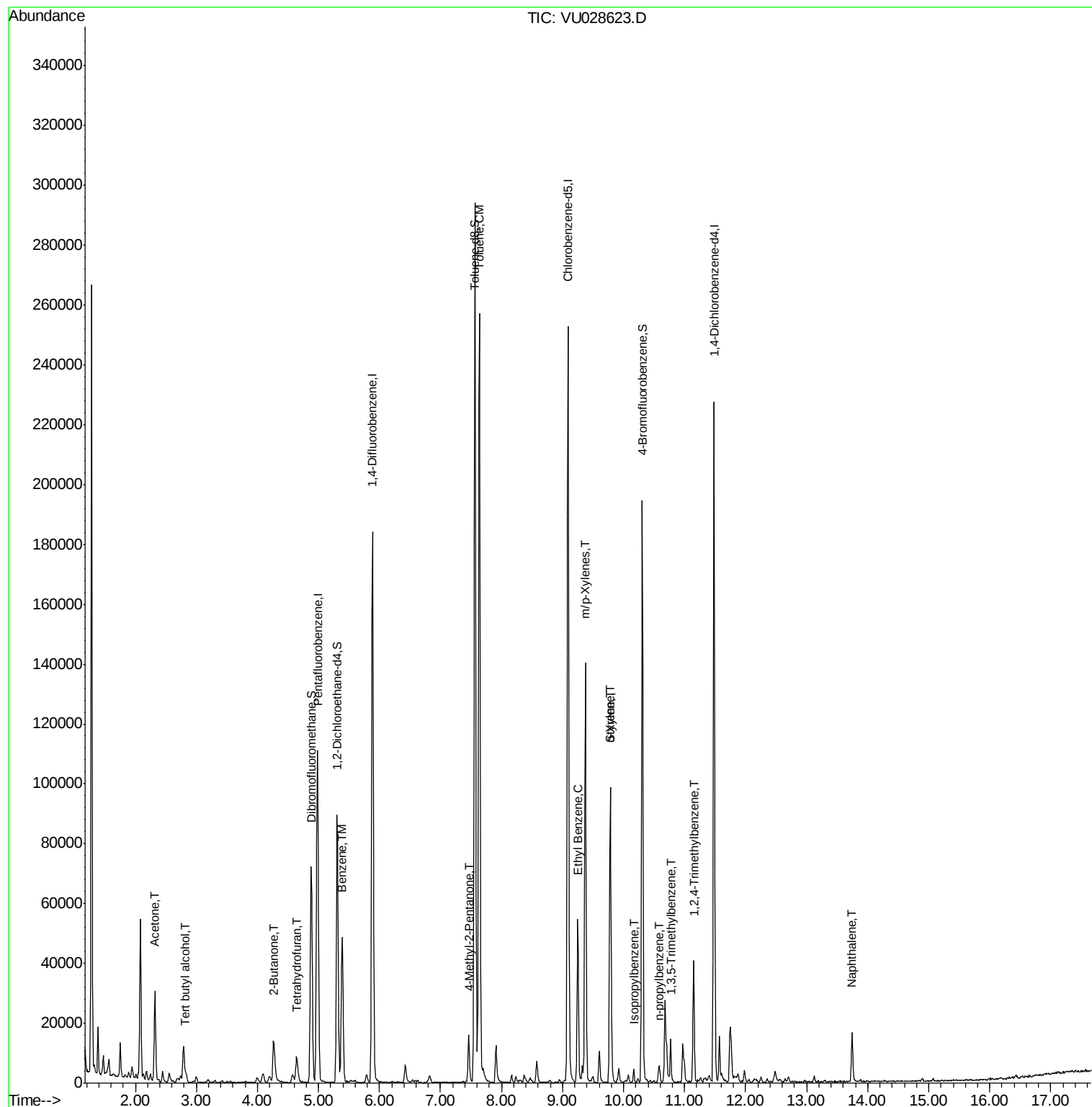
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	3669	13.366	ug/l #	90
16) Acetone	2.32	43	31859	39.628	ug/l	96
25) 2-Butanone	4.26	43	25344	23.067	ug/l	97
29) Tetrahydrofuran	4.64	42	7444	10.550	ug/l	92
40) Benzene	5.39	78	46943	9.831	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	12434	5.947	ug/l	96
52) Toluene	7.64	92	104467	37.175	ug/l	100
67) Ethyl Benzene	9.25	91	38289	7.334	ug/l	99
68) m/p-Xylenes	9.37	106	38267	20.145	ug/l	99
69) o-Xylene	9.78	106	21087	11.423	ug/l	98
70) Styrene	9.79	104	16885	5.527	ug/l	87
73) Isopropylbenzene	10.16	105	2928	0.697	ug/l	93
78) n-propylbenzene	10.59	91	4089	0.784	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	7292	2.098	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	21554	6.018	ug/l	100
95) Naphthalene	13.74	128	13787	3.098	ug/l	100

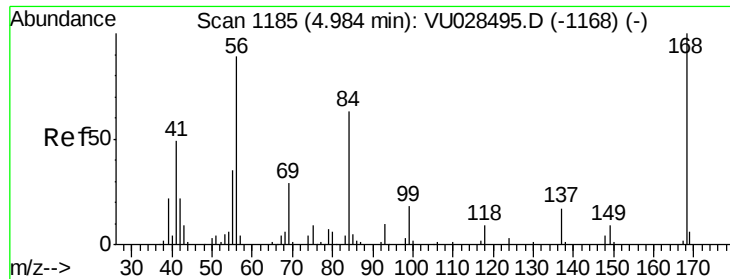
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

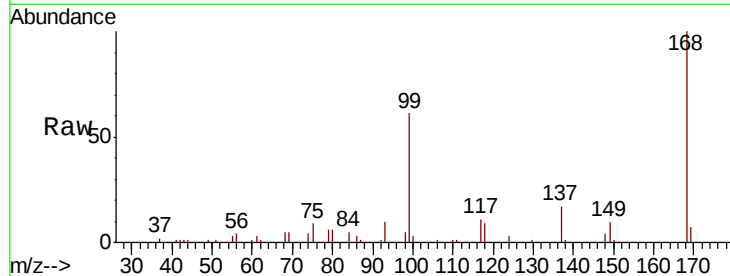
P001-SW001-01DL

Tot Ion:168 Resp: 80733

Ion Ratio Lower Upper

168 100

99 60.7 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) (-)

4.98

30000

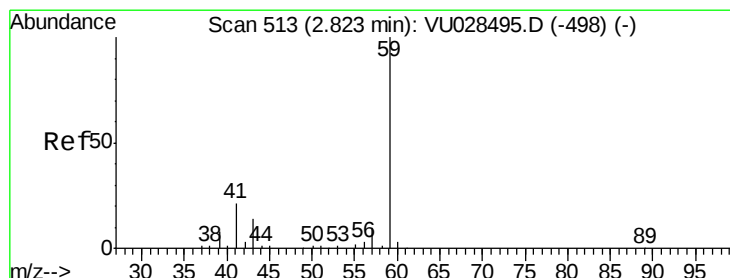
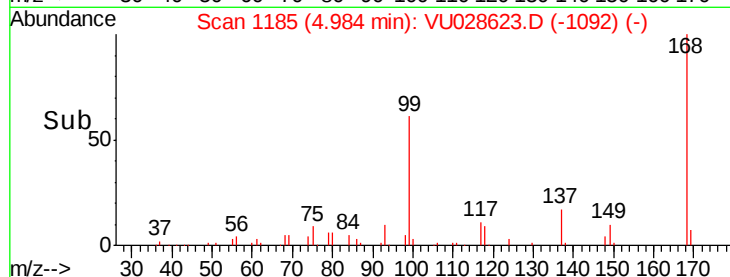
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 13.366 ug/l

RT: 2.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU028623.D

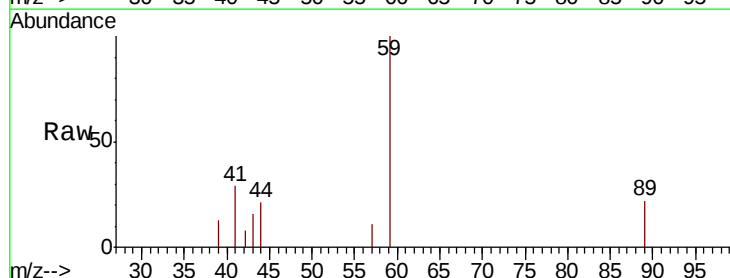
Acq: 11 Dec 2018 21:39

Tgt Ion: 59 Resp: 3669

Ion Ratio Lower Upper

59 100

57 6.4 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.83

1500

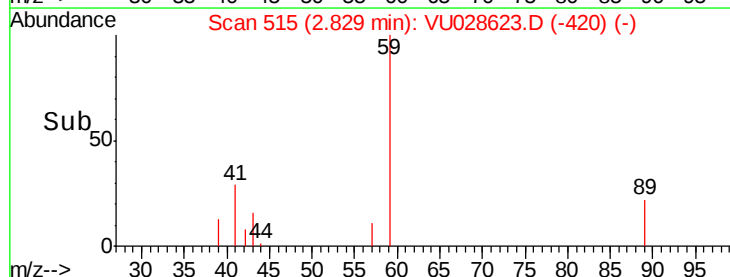
1000

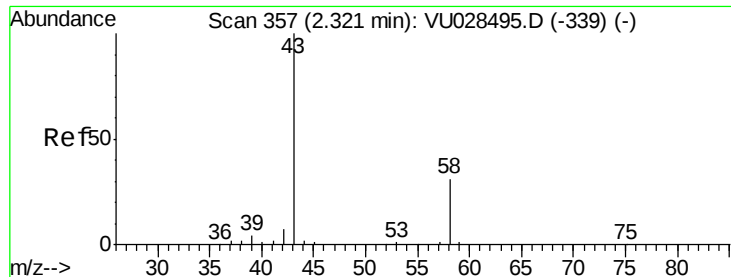
500

0

2.75 2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 39.628 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

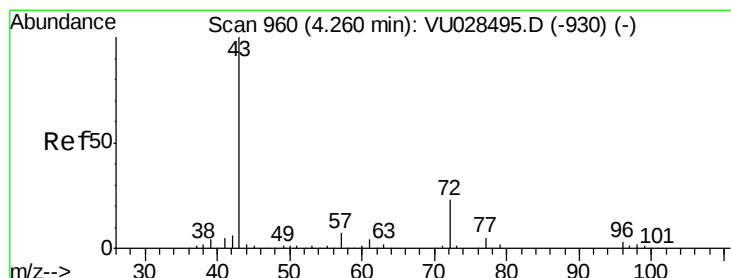
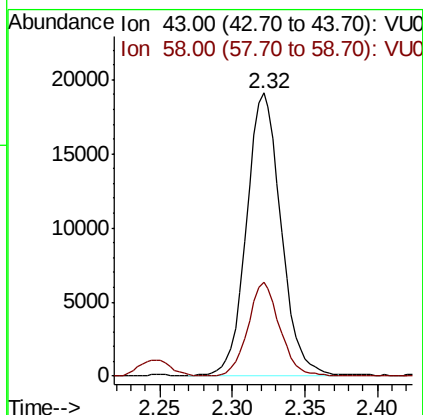
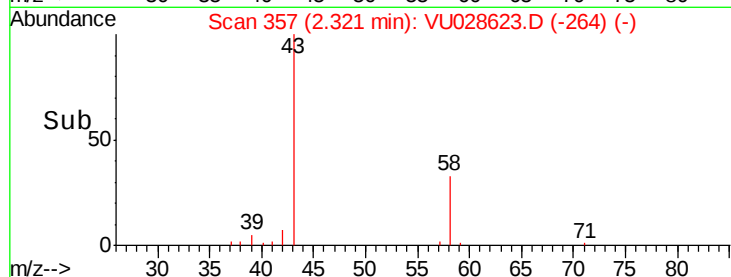
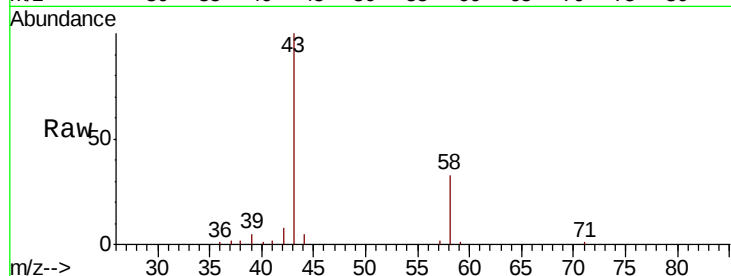
P001-SW001-01DL

Tot Ion: 43 Resp: 31859

Ion Ratio Lower Upper

43 100

58 33.0 24.6 37.0



#25

2-Butanone

Concen: 23.067 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028623.D

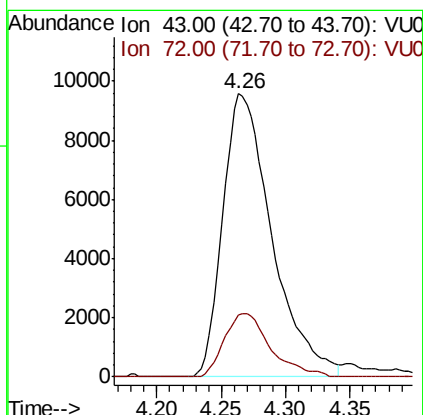
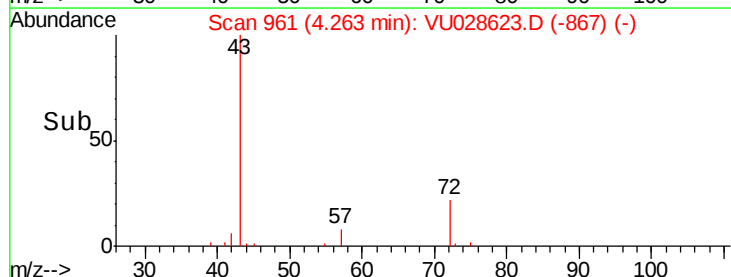
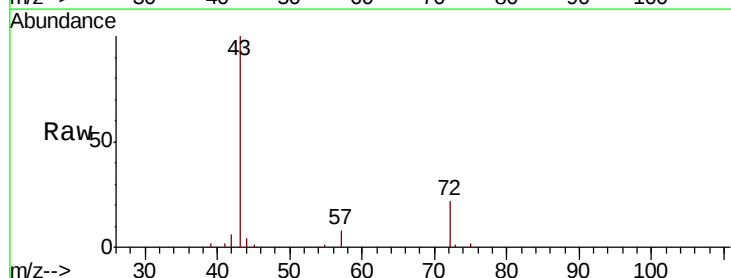
Acq: 11 Dec 2018 21:39

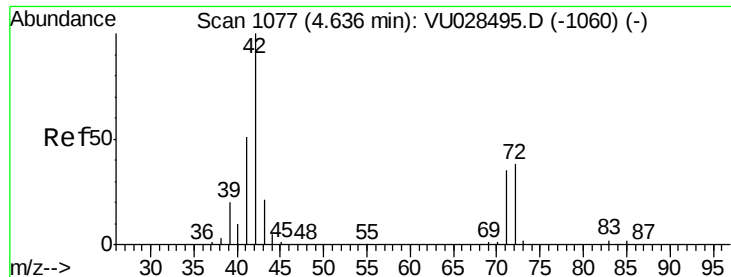
Tgt Ion: 43 Resp: 25344

Ion Ratio Lower Upper

43 100

72 21.7 18.6 28.0





#29

Tetrahydrofuran

Concen: 10.550 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

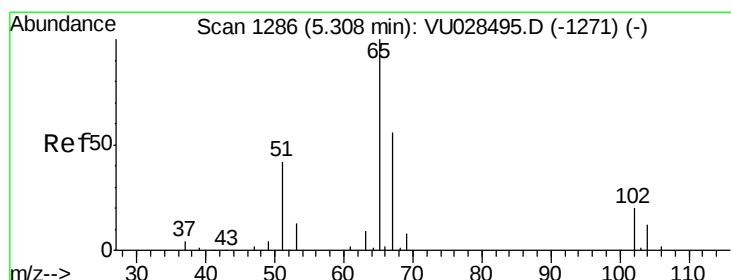
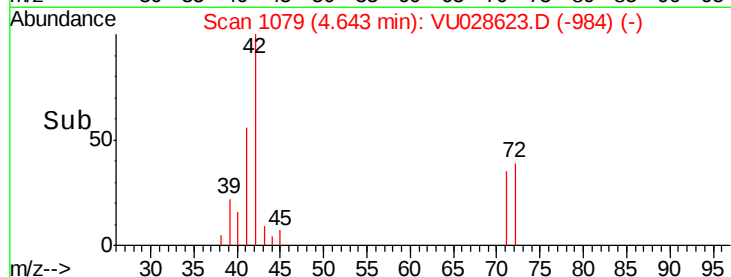
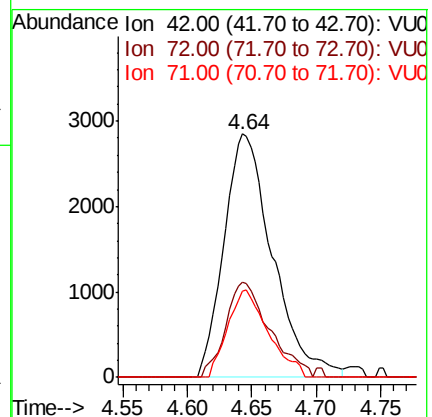
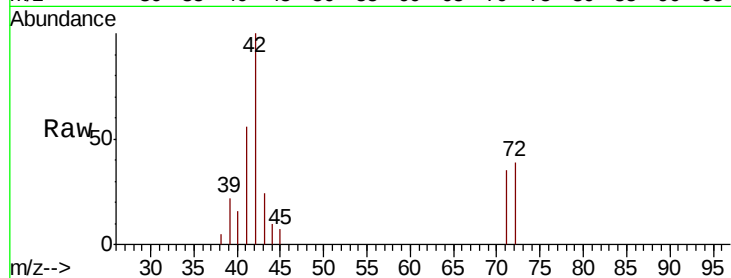
Tot Ion: 42 Resp: 7444

Ion Ratio Lower Upper

42 100

72 35.3 31.4 47.0

71 29.9 28.6 43.0



#33

1,2-Dichloroethane-d4

Concen: 56.459 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028623.D

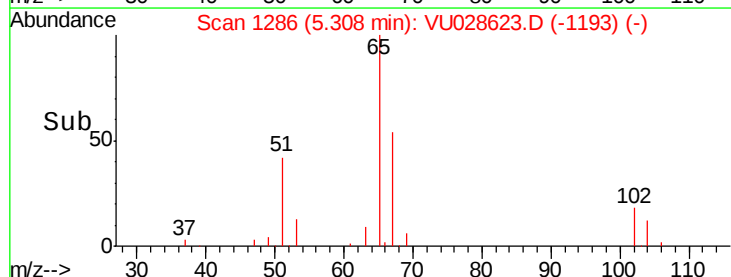
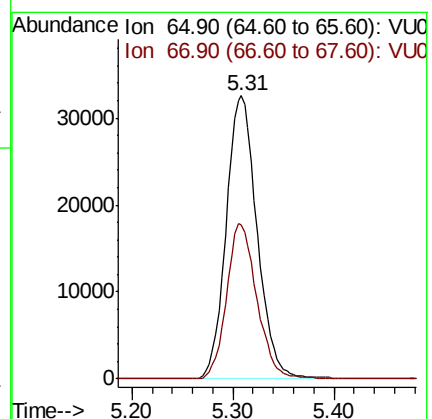
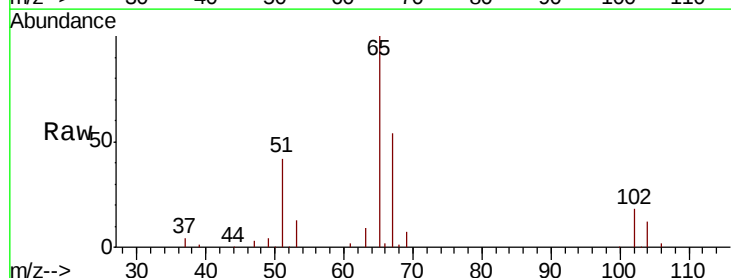
Acq: 11 Dec 2018 21:39

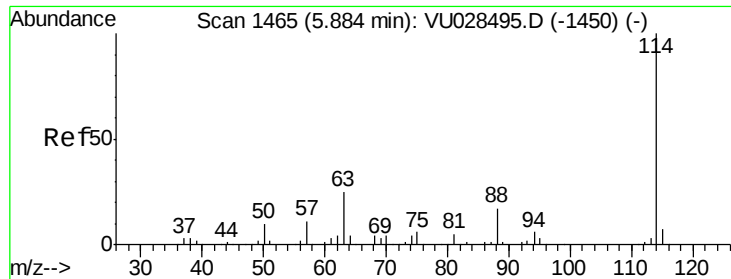
Tgt Ion: 65 Resp: 69559

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

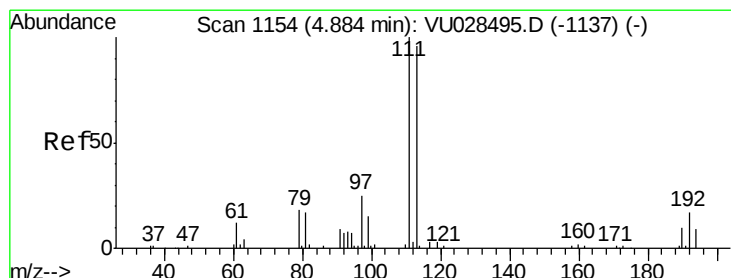
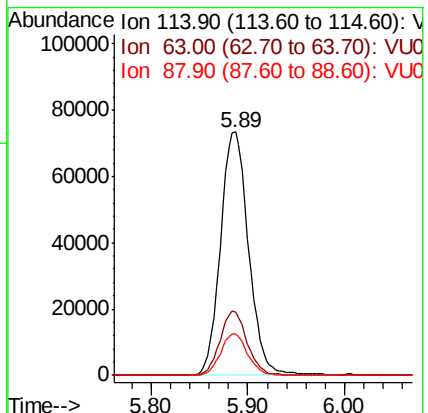
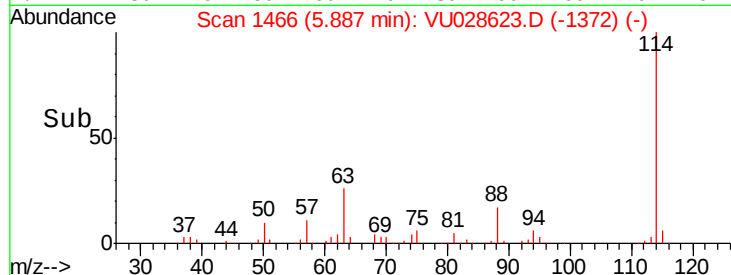
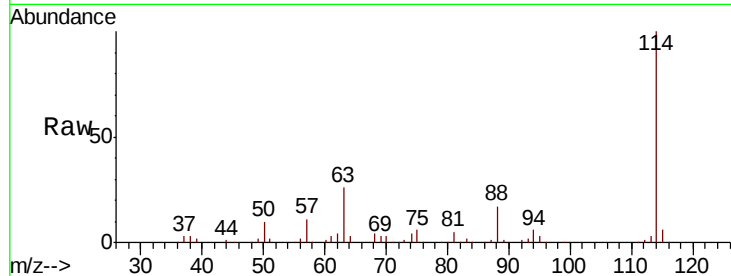
Tot Ion:114 Resp: 148157

Ion Ratio Lower Upper

114 100

63 25.9 0.0 49.2

88 17.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 54.616 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

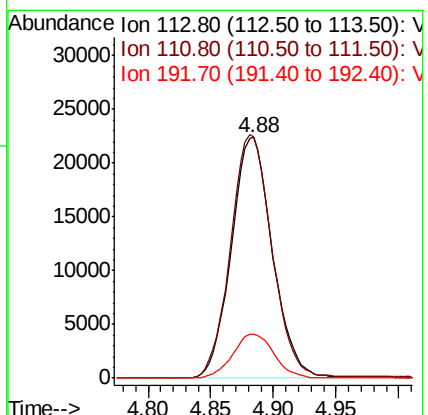
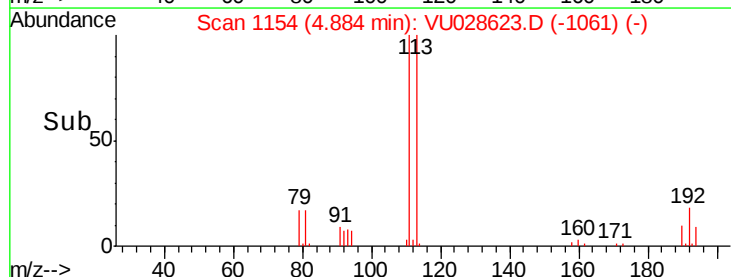
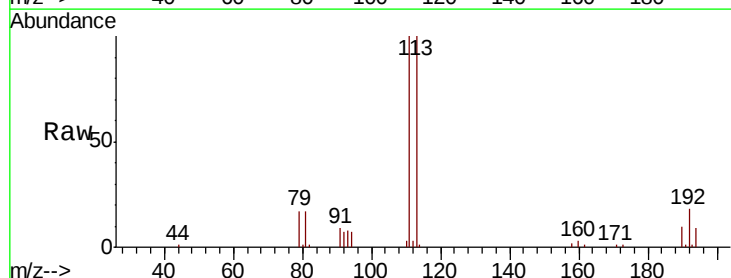
Tgt Ion:113 Resp: 50922

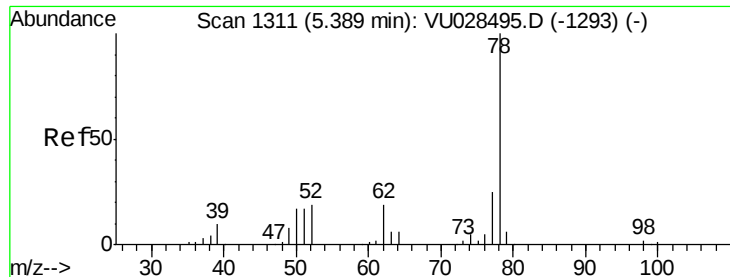
Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

192 18.3 14.8 22.2





#40

Benzene

Concen: 9.831 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

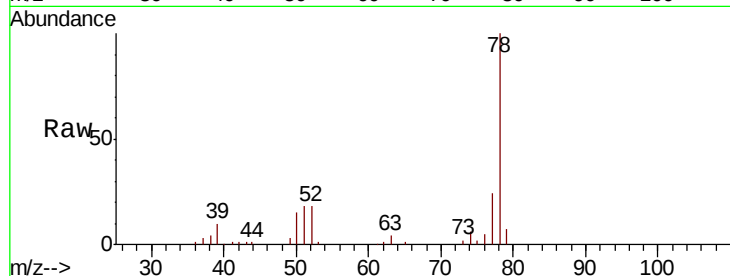
P001-SW001-01DL

Tot Ion: 78 Resp: 46943

Ion Ratio Lower Upper

78 100

77 23.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

25000

20000

15000

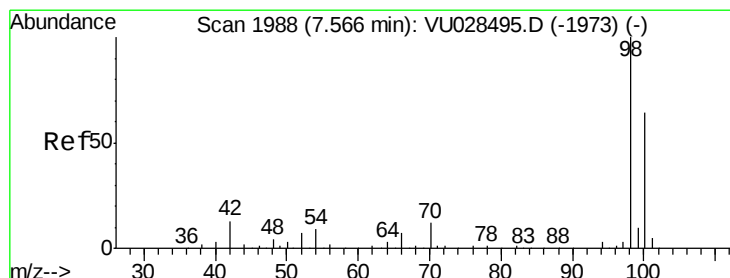
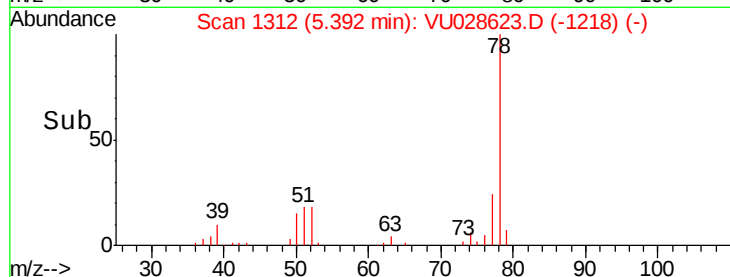
10000

5000

0

Time-->

5.30 5.40 5.50



#50

Toluene-d8

Concen: 52.464 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028623.D

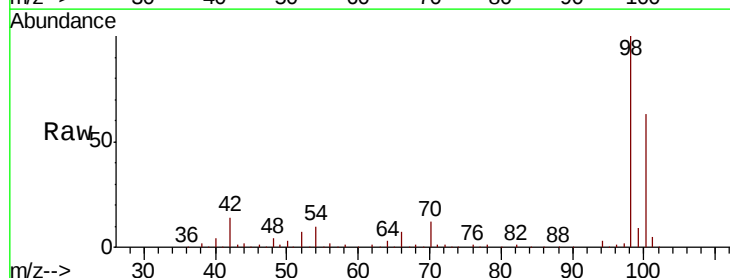
Acq: 11 Dec 2018 21:39

Tgt Ion: 98 Resp: 193501

Ion Ratio Lower Upper

98 100

100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.56

120000

100000

80000

60000

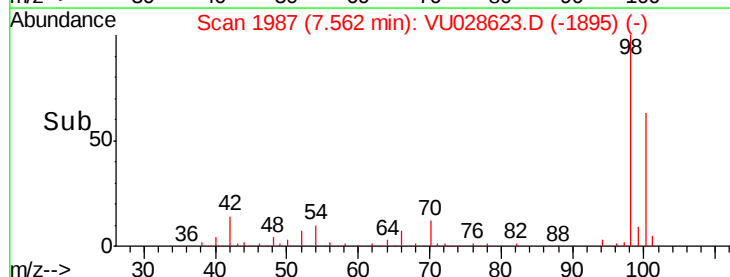
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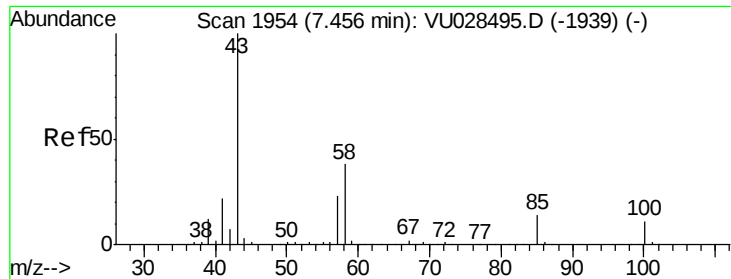
20000

0

Time-->

7.50 7.60 7.70





#51

4-Methyl-2-Pentanone

Concen: 5.947 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028623.D

Acq: 11 Dec 2018 21:39

Instrument :

MSVOA_U

ClientSampleId :

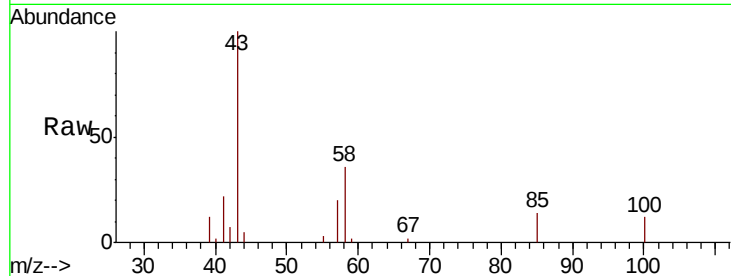
P001-SW001-01DL

Tot Ion: 43 Resp: 12434

Ion Ratio Lower Upper

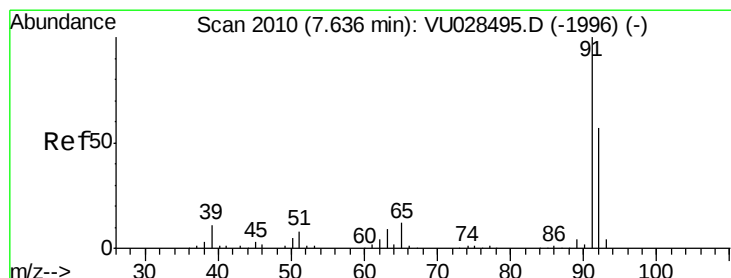
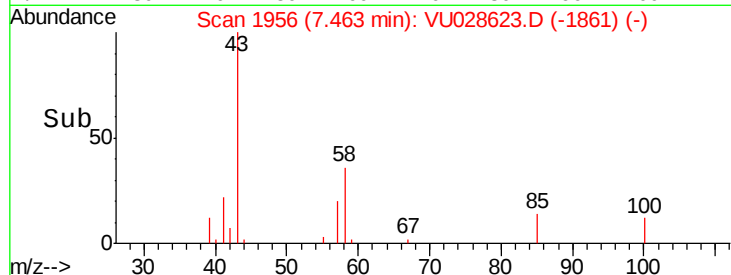
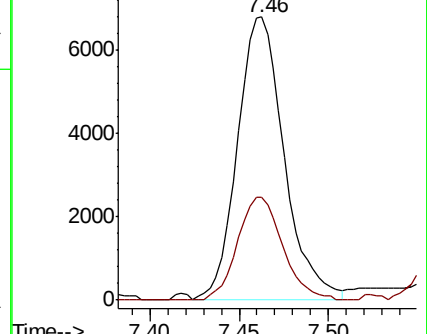
43 100

58 35.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 37.175 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028623.D

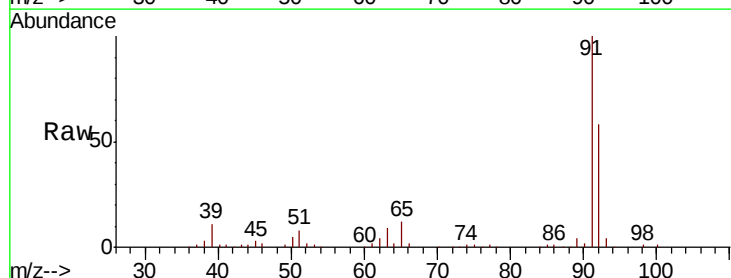
Acq: 11 Dec 2018 21:39

Tgt Ion: 92 Resp: 104467

Ion Ratio Lower Upper

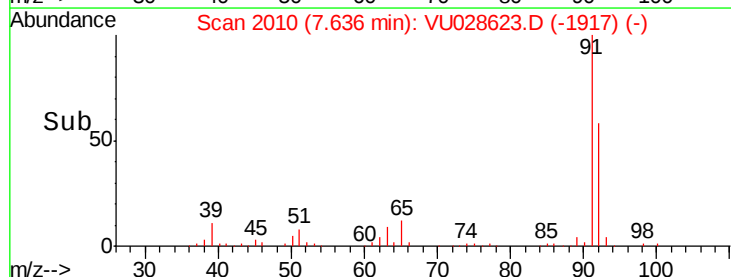
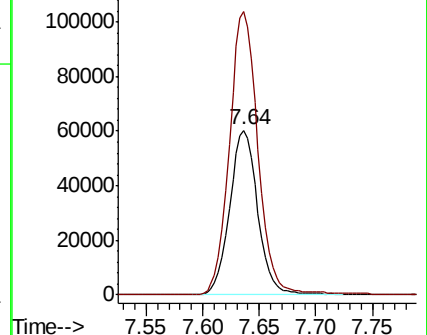
92 100

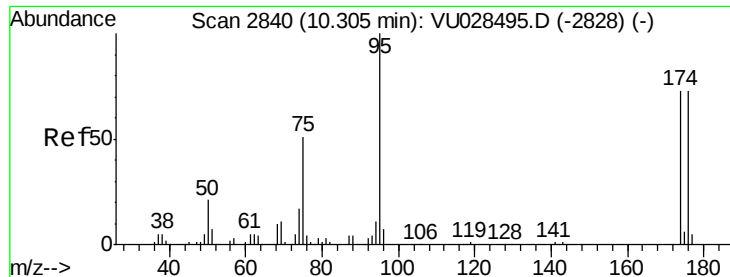
91 175.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

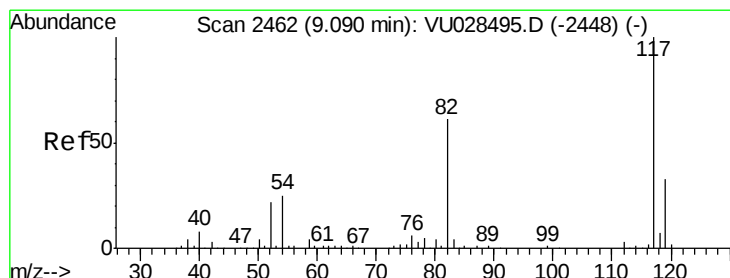
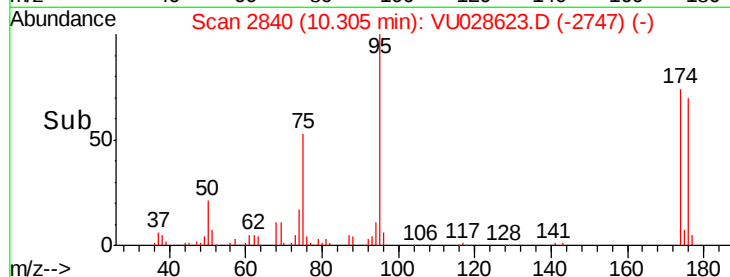
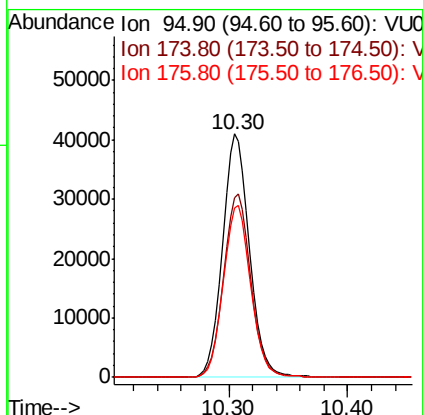
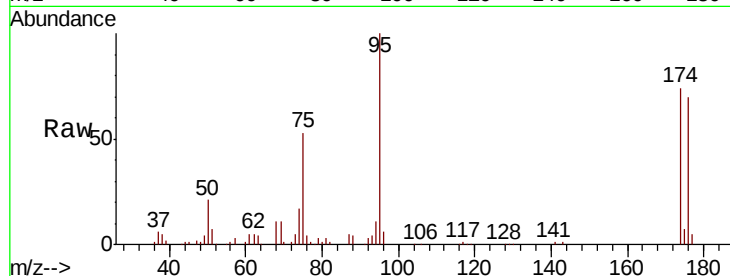




#62
4-Bromofluorobenzene
Concen: 46.525 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

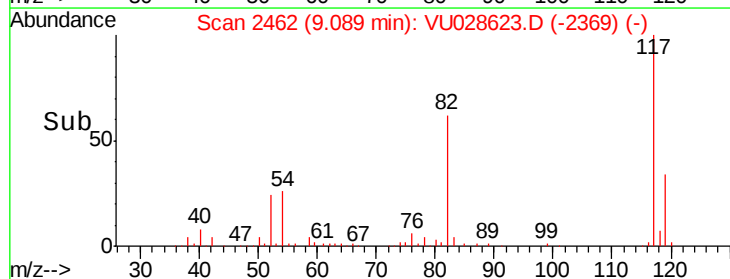
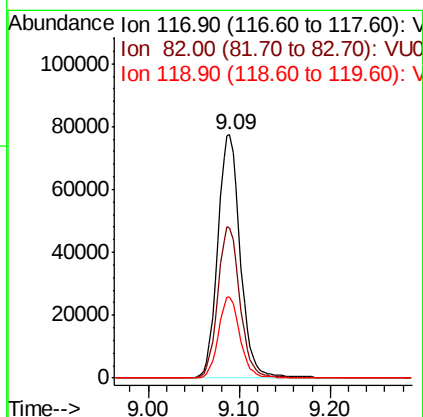
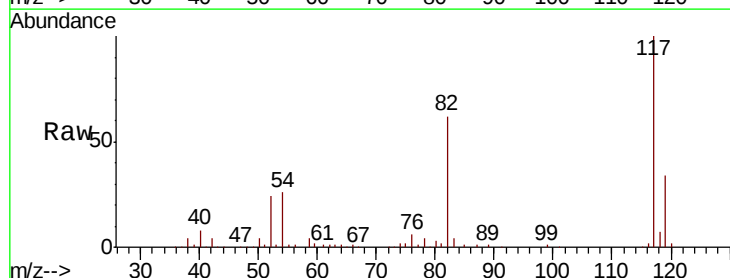
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

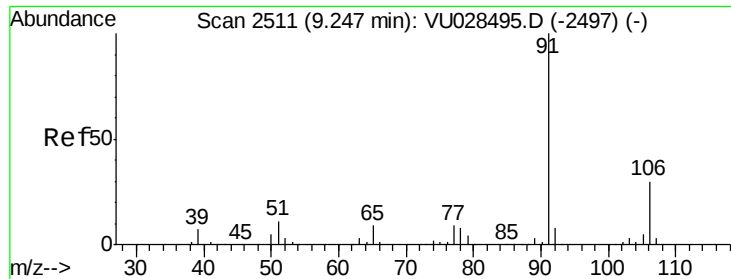
Tot Ion: 95 Resp: 64136
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 71.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Tgt Ion: 117 Resp: 133270
Ion Ratio Lower Upper
117 100
82 61.8 48.9 73.3
119 33.5 26.2 39.4

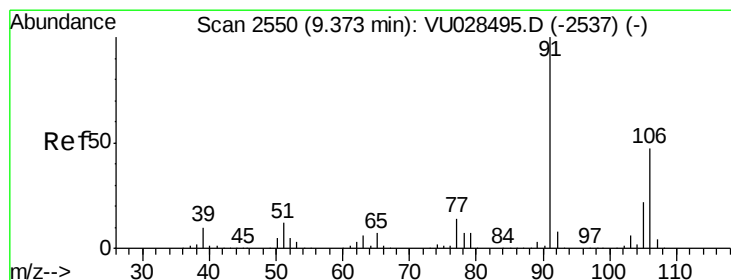
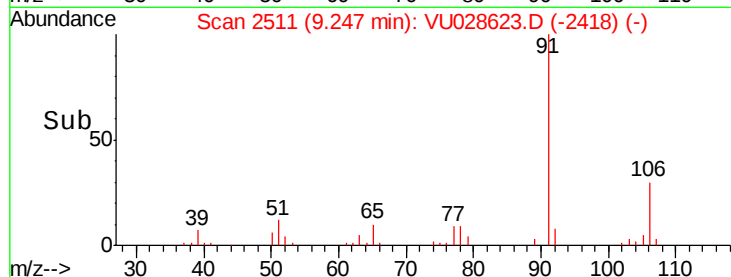
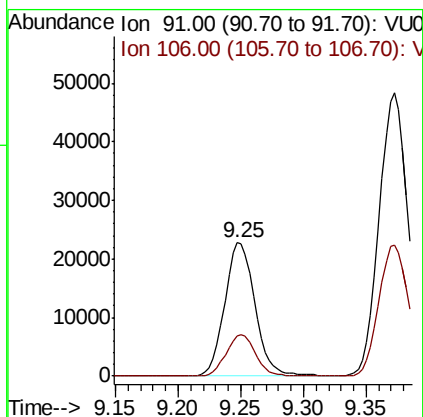
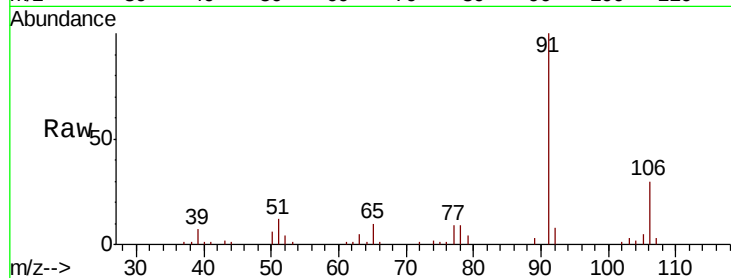




#67
Ethyl Benzene
Concen: 7.334 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

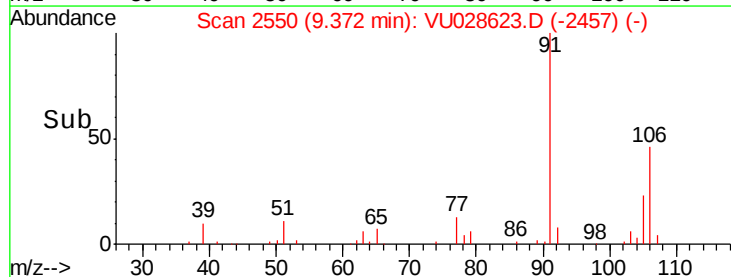
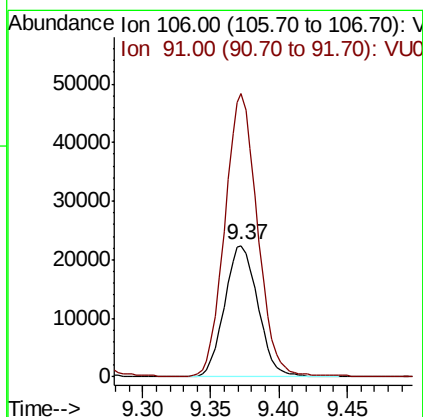
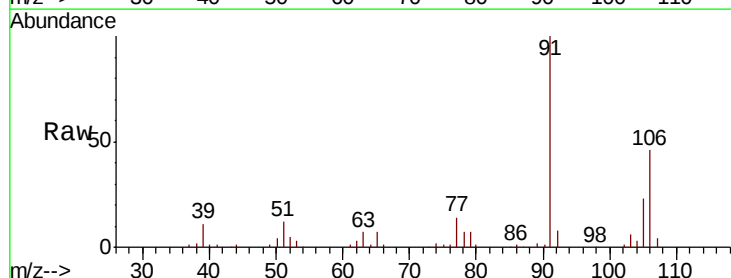
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

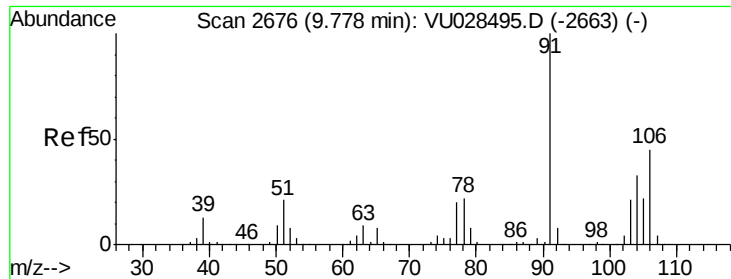
Tot Ion: 91 Resp: 38289
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 20.145 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Tgt Ion: 106 Resp: 38267
Ion Ratio Lower Upper
106 100
91 211.3 167.4 251.0

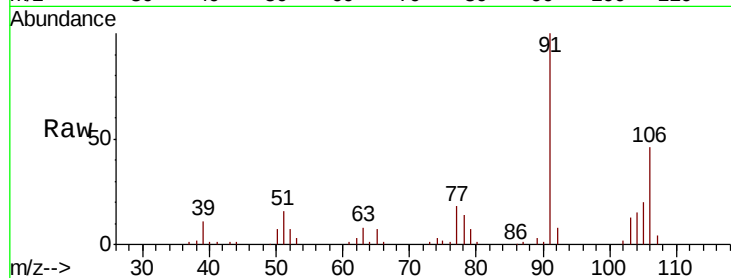




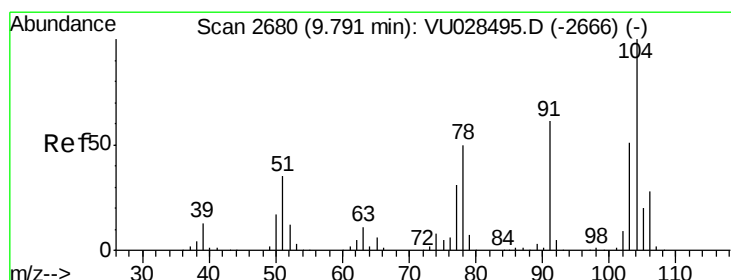
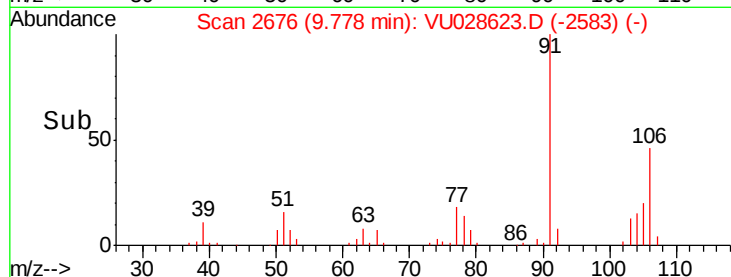
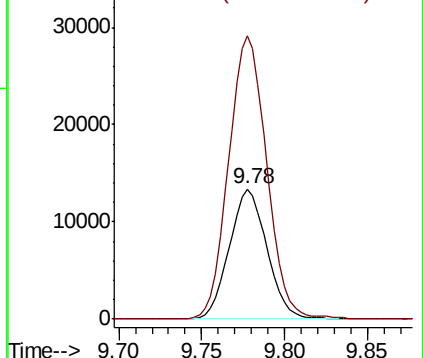
#69
o-Xylene
Concen: 11.423 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:106 Resp: 21087
Ion Ratio Lower Upper
106 100
91 219.9 111.3 334.0

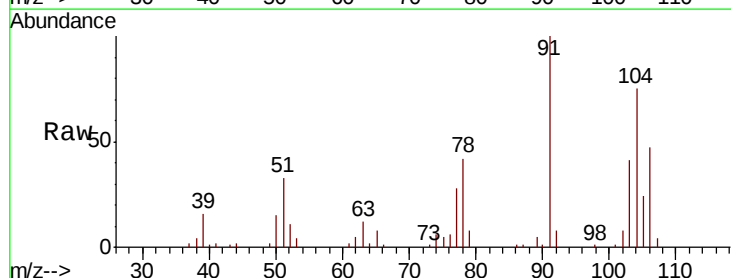


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

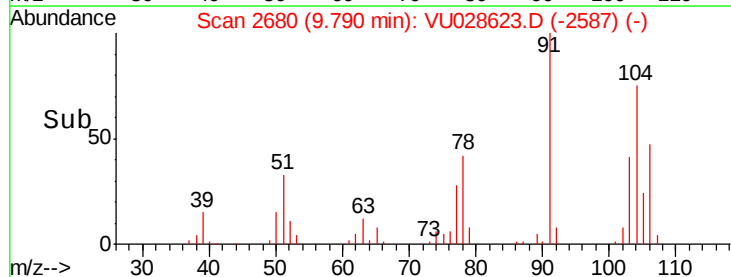
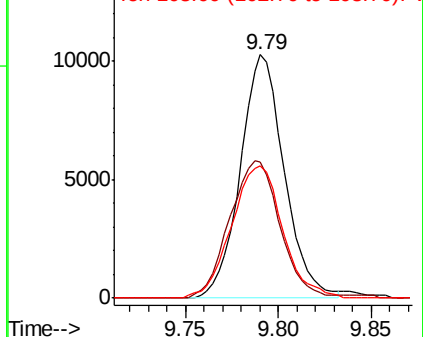


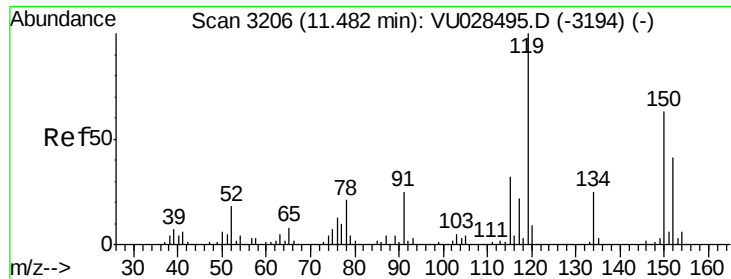
#70
Styrene
Concen: 5.527 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Tgt Ion:104 Resp: 16885
Ion Ratio Lower Upper
104 100
78 64.2 43.0 64.6
103 63.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



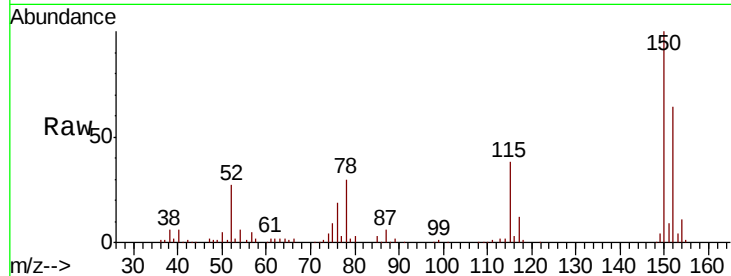


#72

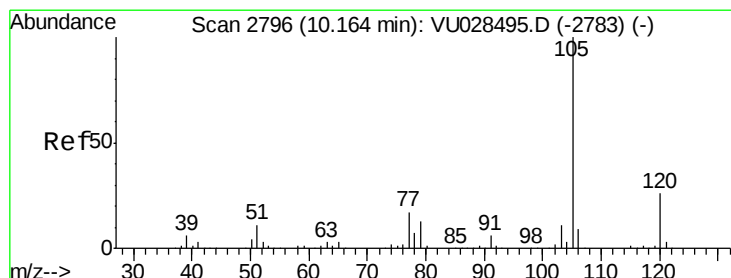
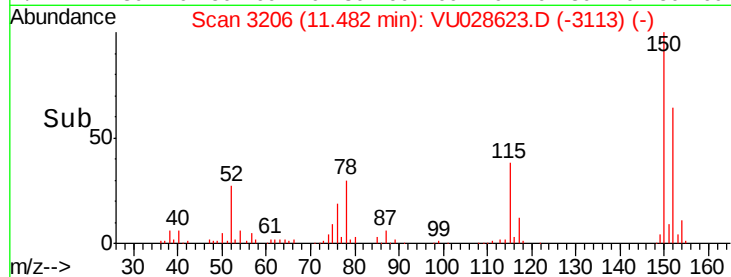
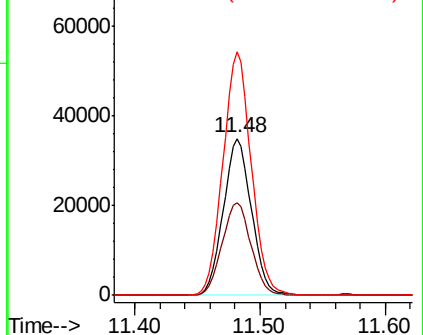
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:152 Resp: 54718
Ion Ratio Lower Upper
152 100
115 60.7 42.7 128.1
150 156.3 0.0 346.0



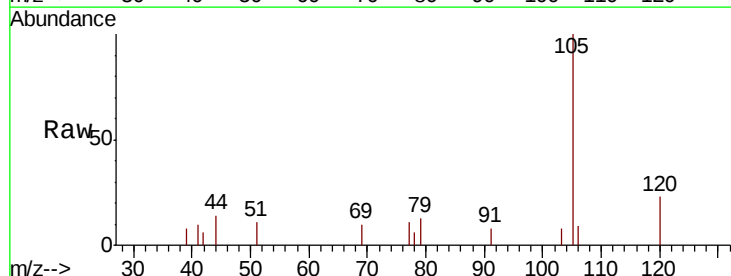
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



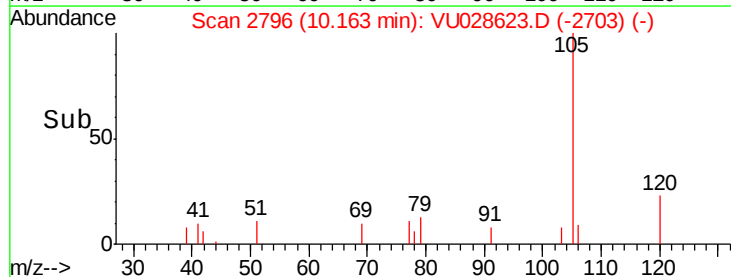
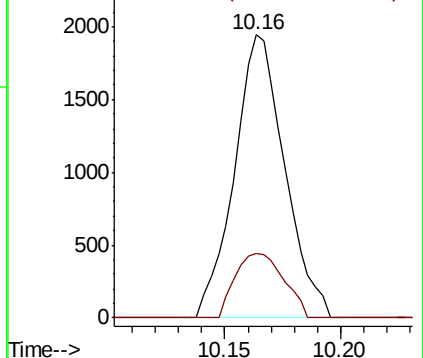
#73

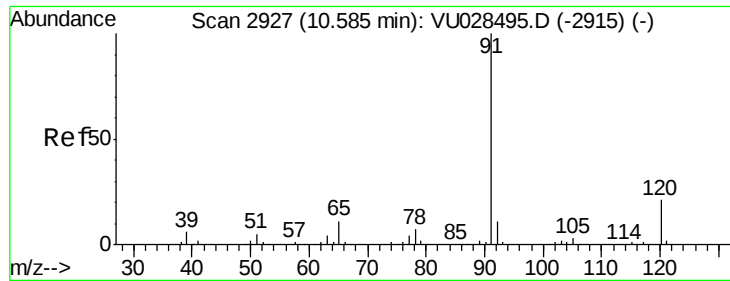
Isopropylbenzene
Concen: 0.697 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028623.D
Acq: 11 Dec 2018 21:39

Tgt Ion:105 Resp: 2928
Ion Ratio Lower Upper
105 100
120 22.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

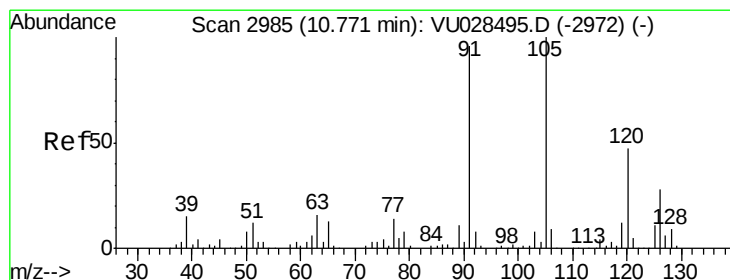
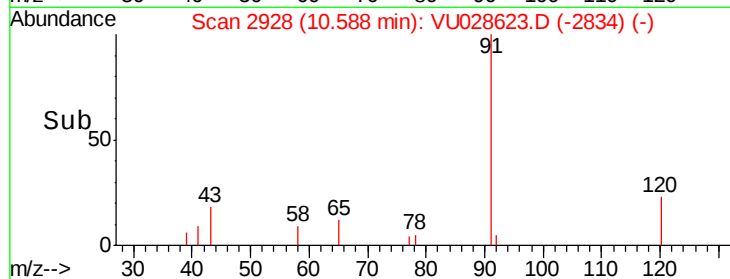
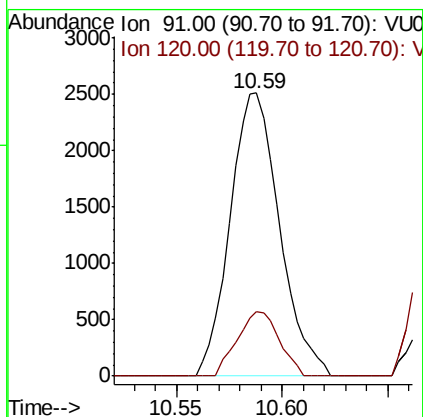
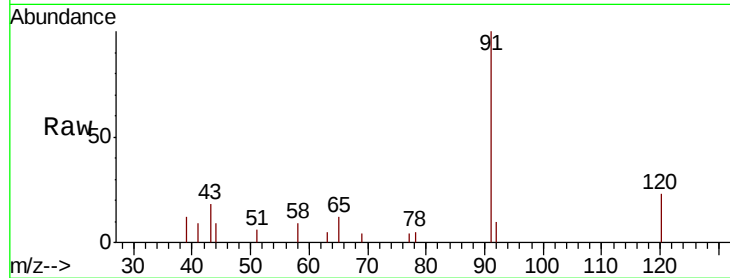




#78
 n-propylbenzene
 Concen: 0.784 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VU028623.D
 Acq: 11 Dec 2018 21:39

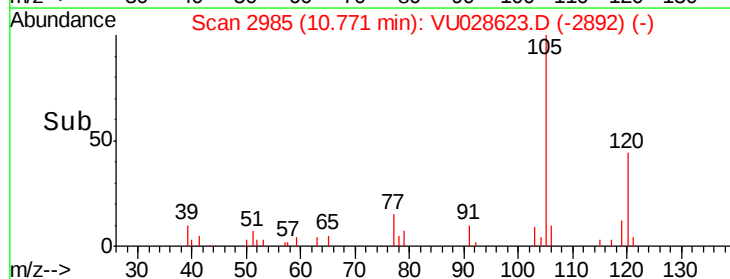
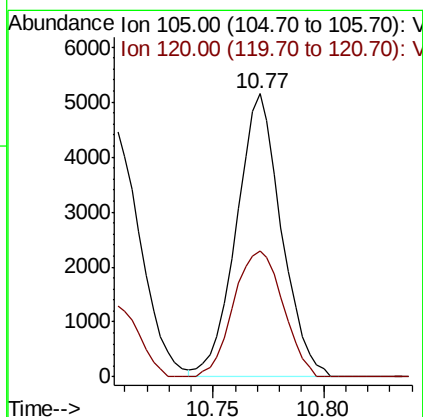
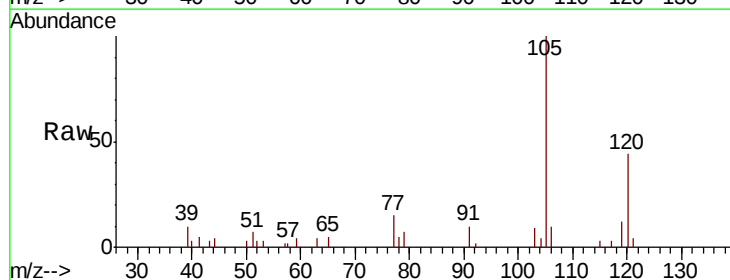
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

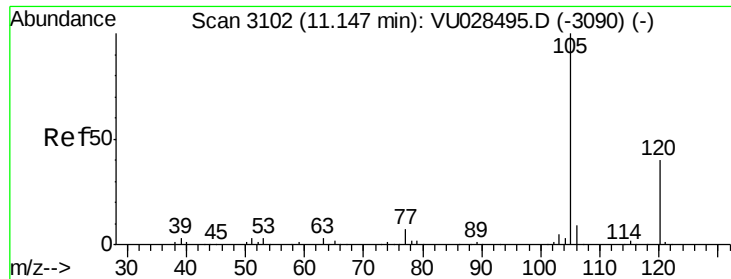
Tot Ion: 91 Resp: 4089
 Ion Ratio Lower Upper
 91 100
 120 19.4 10.6 31.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.098 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028623.D
 Acq: 11 Dec 2018 21:39

Tgt Ion: 105 Resp: 7292
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.7 71.1

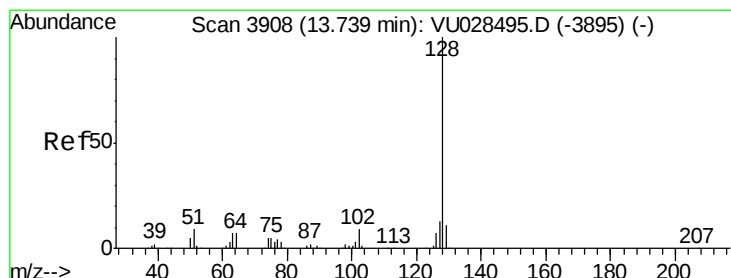
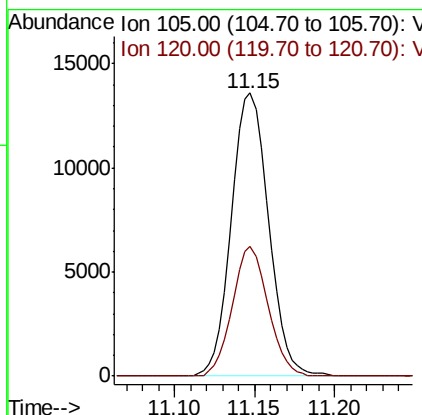
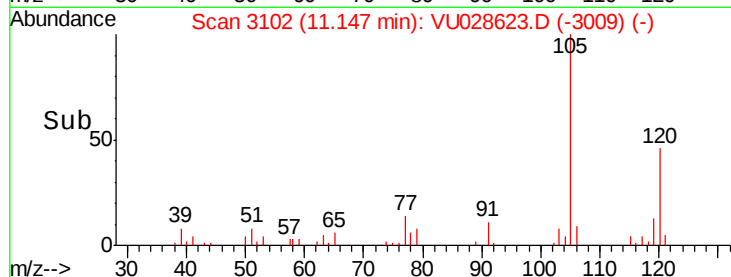
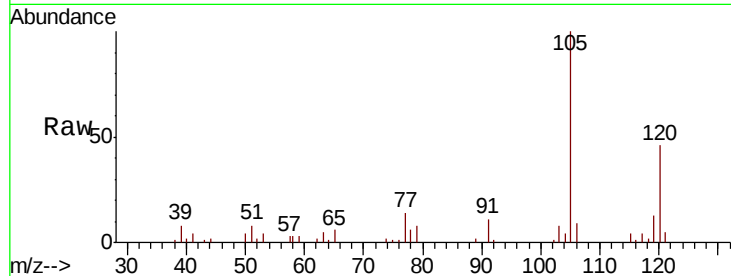




#84
 1,2,4-Trimethylbenzene
 Concen: 6.018 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028623.D
 Acq: 11 Dec 2018 21:39

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Tot Ion:105 Resp: 21554
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.8 65.4



#95
 Naphthalene
 Concen: 3.098 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028623.D
 Acq: 11 Dec 2018 21:39

Tgt Ion:128 Resp: 13787
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.4 15.6
 129 10.8 8.6 13.0

