

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028590.D
 Acq On : 11 Dec 2018 07:41
 Operator : MD/SY
 Sample : J6305-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW002-01

Quant Time: Dec 11 14:11:10 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	85314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158276	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58627	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	72070	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
35) Dibromofluoromethane	4.88	113	52241	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	7.57	98	201513	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	10.30	95	68851	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

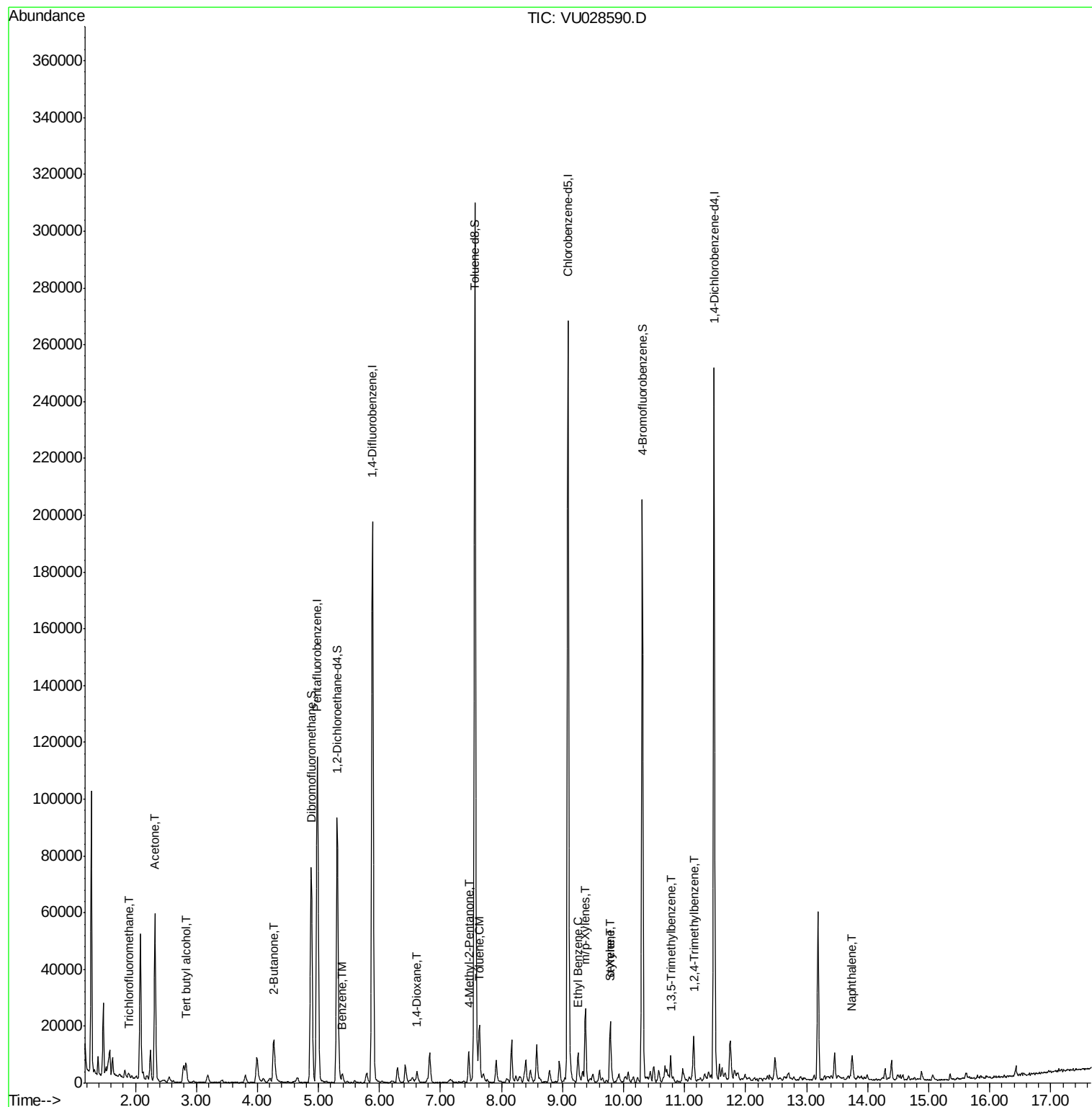
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.88	101	794	0.497	ug/l	97
11) Tert butyl alcohol	2.83	59	7677	26.466	ug/l	100
16) Acetone	2.32	43	60670	71.412	ug/l	100
25) 2-Butanone	4.27	43	27845	23.983	ug/l	100
40) Benzene	5.39	78	2939	0.576	ug/l	97
49) 1,4-Dioxane	6.62	88	2529	90.946	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	8193	3.668	ug/l	100
52) Toluene	7.64	92	7366	2.454	ug/l	94
67) Ethyl Benzene	9.25	91	7890	1.426	ug/l	97
68) m/p-Xylenes	9.37	106	7133	3.542	ug/l	94
69) o-Xylene	9.78	106	4745	2.425	ug/l	95
70) Styrene	9.79	104	3403	1.051	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	5103	1.370	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	8022	2.090	ug/l	93
95) Naphthalene	13.74	128	6501	1.363	ug/l	97

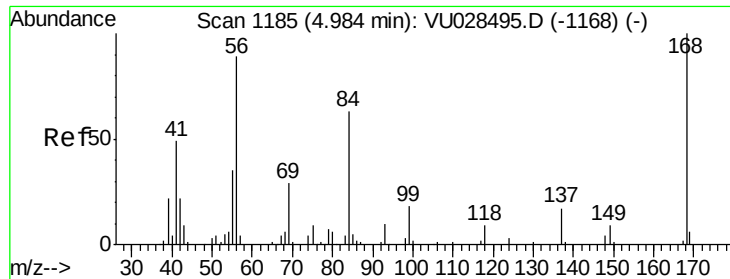
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 14:11:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 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: VU028590.D

Acq: 11 Dec 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

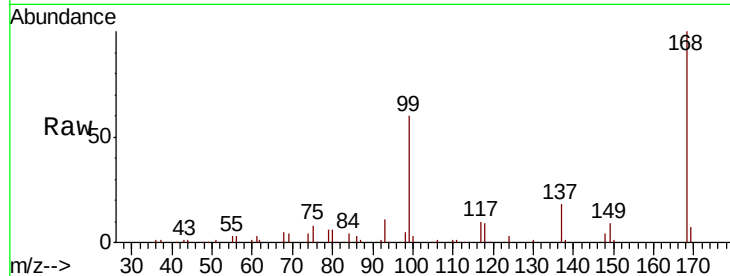
P001-SW002-01

Tot Ion:168 Resp: 85314

Ion Ratio Lower Upper

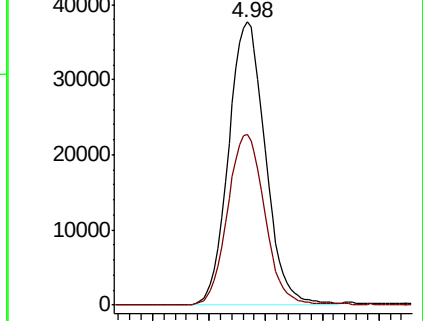
168 100

99 60.1 46.6 69.8

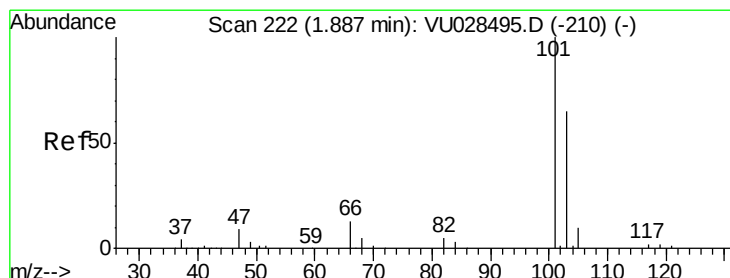
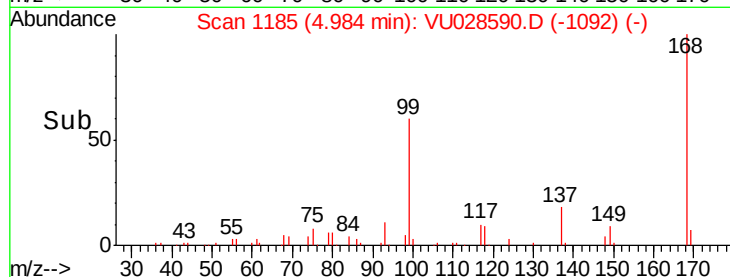


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



Time-->



#7

Trichlorofluoromethane

Concen: 0.497 ug/l

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028590.D

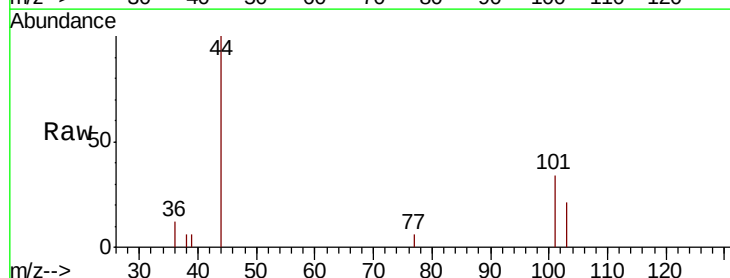
Acq: 11 Dec 2018 07:41

Tgt Ion:101 Resp: 794

Ion Ratio Lower Upper

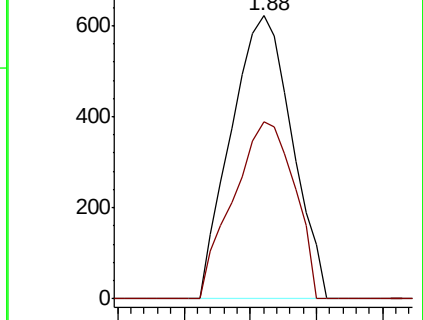
101 100

103 62.7 52.3 78.5

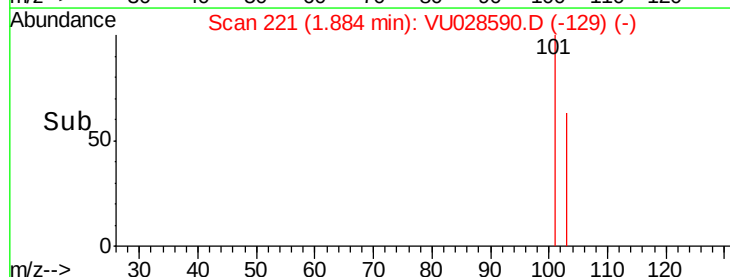


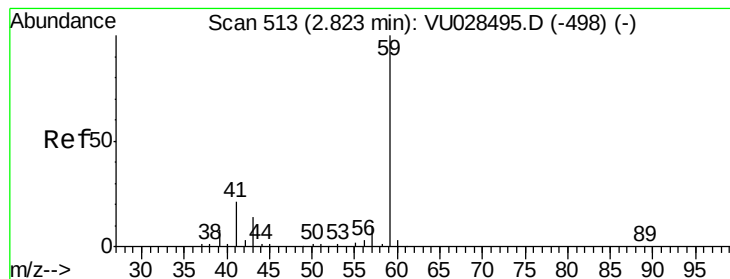
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



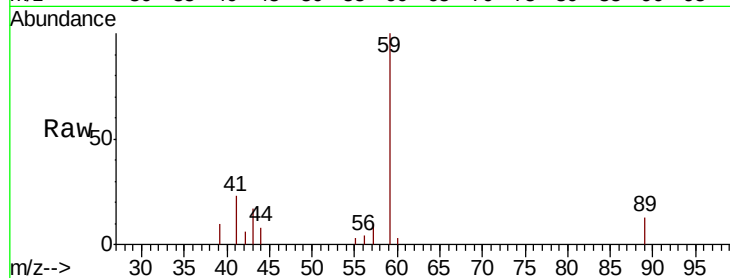


#11

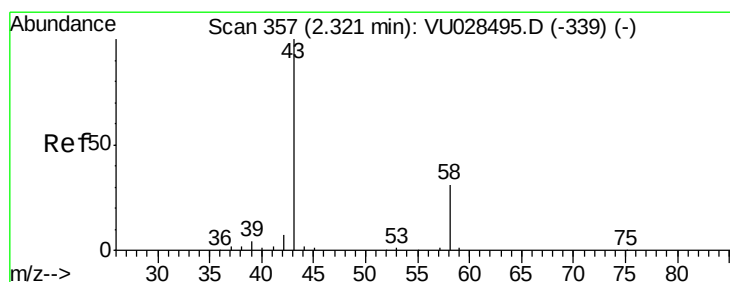
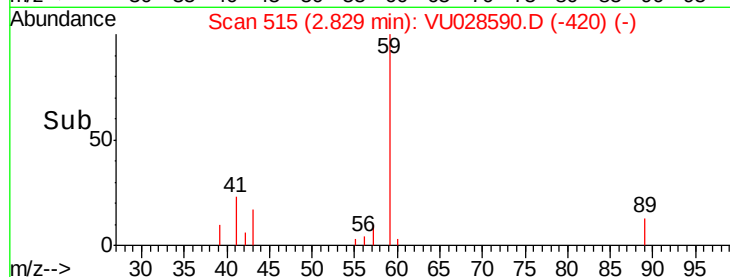
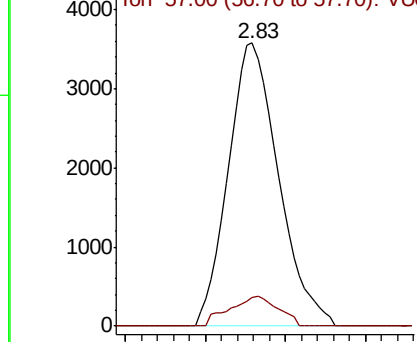
Tert butyl alcohol
 Concen: 26.466 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW002-01

Tot Ion: 59 Resp: 7677
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0



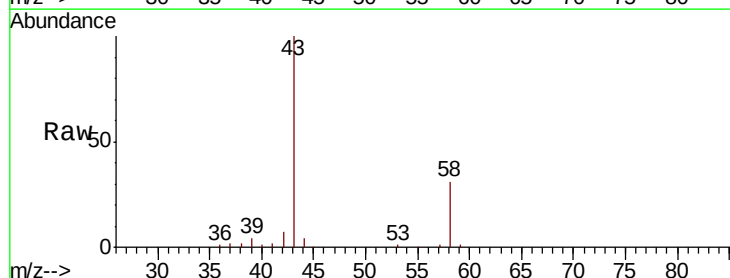
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



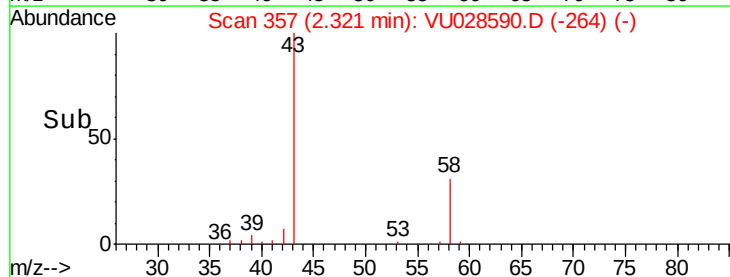
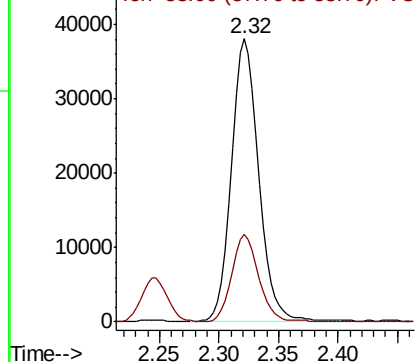
#16

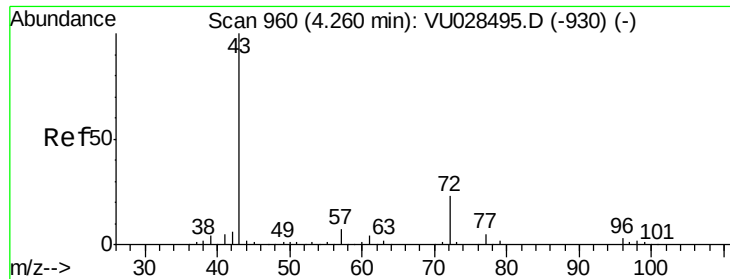
Acetone
 Concen: 71.412 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Tgt Ion: 43 Resp: 60670
 Ion Ratio Lower Upper
 43 100
 58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0





#25

2-Butanone

Concen: 23.983 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

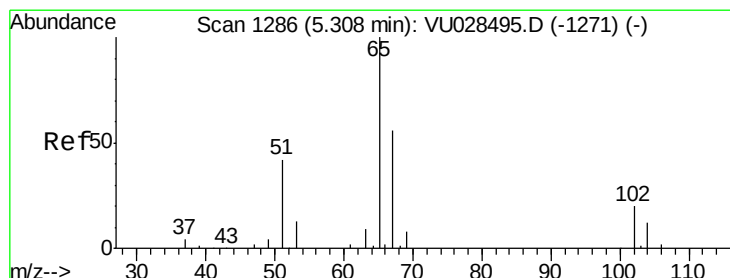
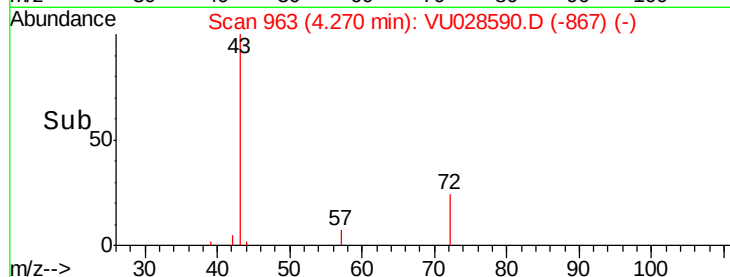
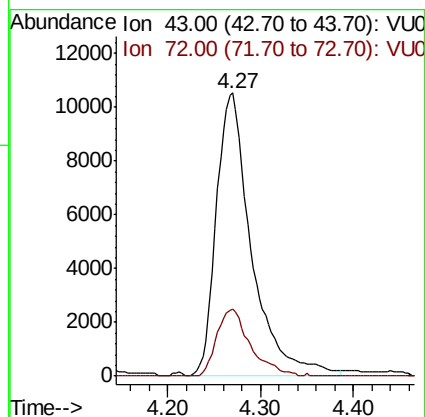
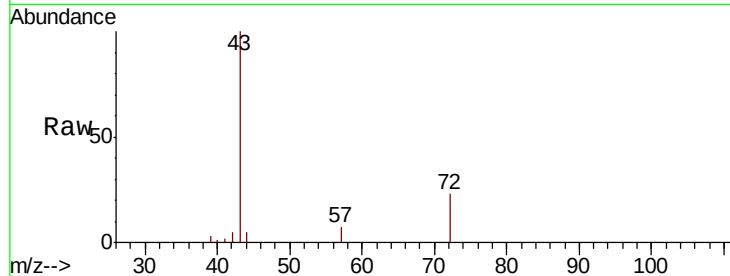
P001-SW002-01

Tot Ion: 43 Resp: 27845

Ion Ratio Lower Upper

43 100

72 23.5 18.6 28.0



#33

1,2-Dichloroethane-d4

Concen: 55.356 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028590.D

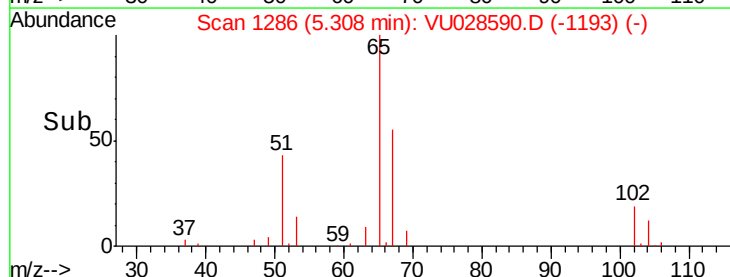
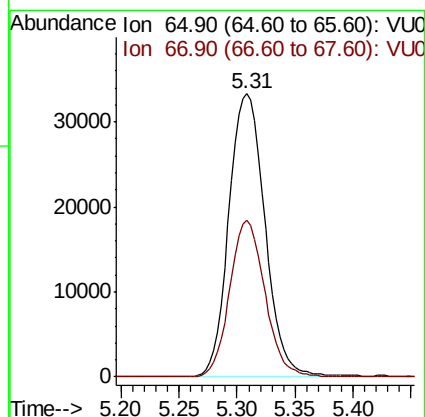
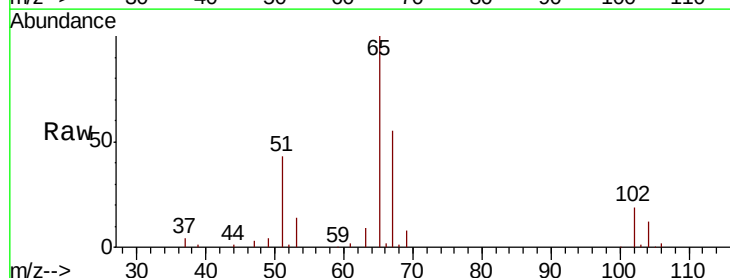
Acq: 11 Dec 2018 07:41

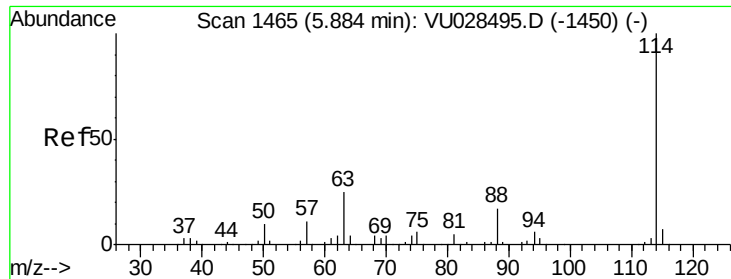
Tgt Ion: 65 Resp: 72070

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.6

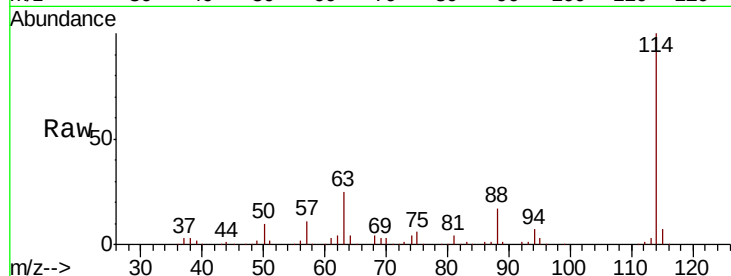




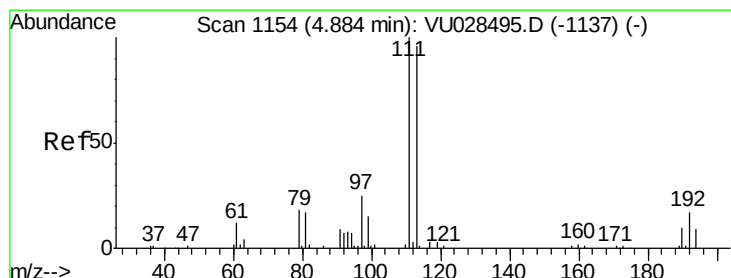
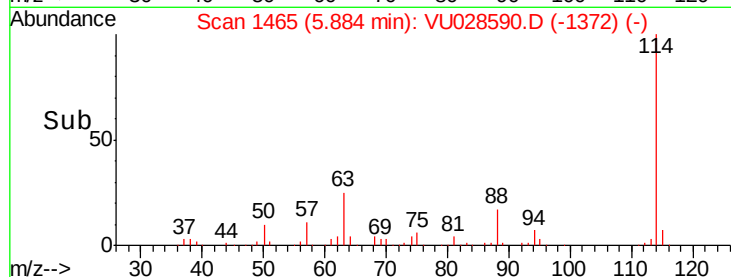
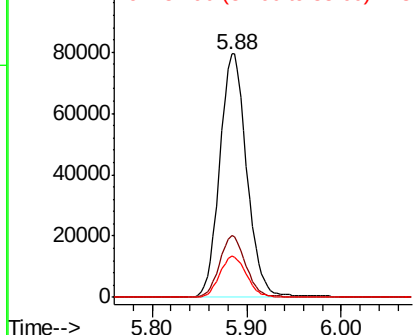
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW002-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	16.8	0.0	33.4

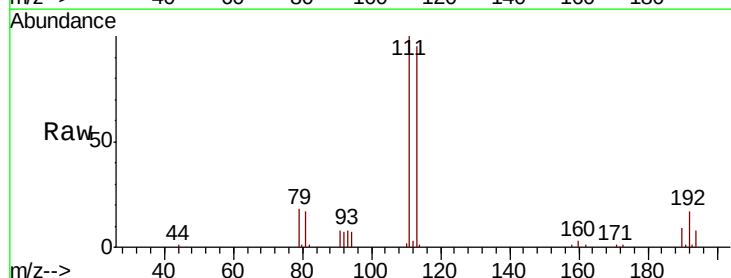


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

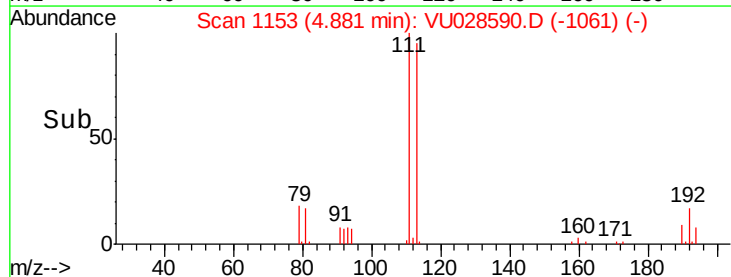
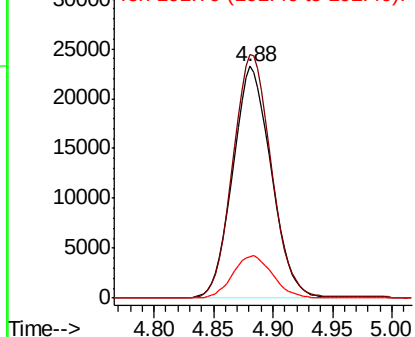


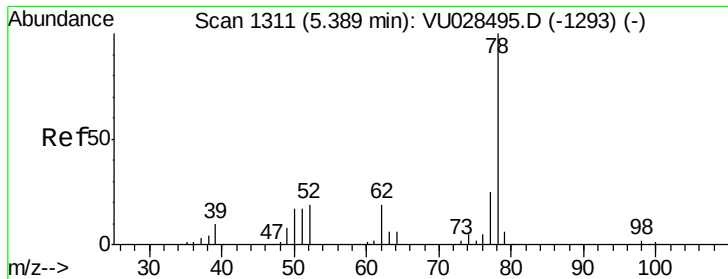
#35
 Dibromofluoromethane
 Concen: 52.449 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.4	125.0
192	18.9	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





#40

Benzene

Concen: 0.576 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

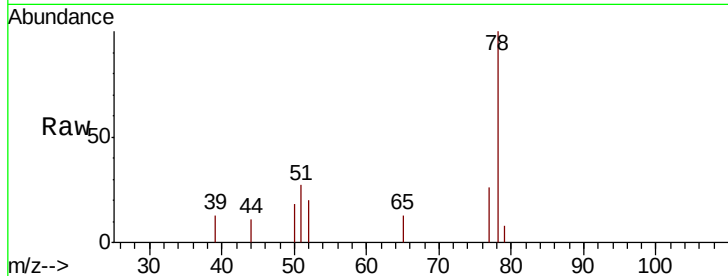
P001-SW002-01

Tot Ion: 78 Resp: 2939

Ion Ratio Lower Upper

78 100

77 26.4 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU028495.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-1293) (-)

5.39

1500

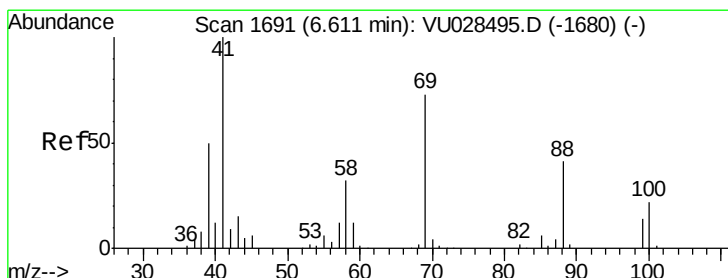
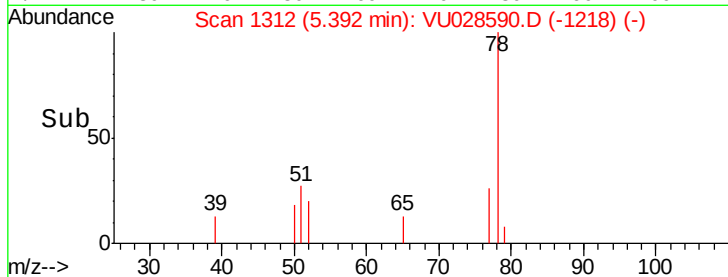
1000

500

0

5.35 5.40 5.45

Time-->



#49

1,4-Dioxane

Concen: 90.946 ug/l

RT: 6.62 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

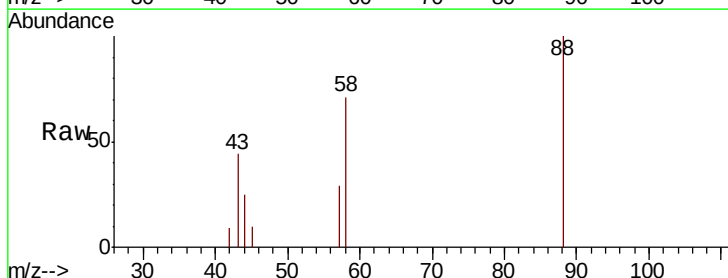
Tgt Ion: 88 Resp: 2529

Ion Ratio Lower Upper

88 100

43 39.3 30.9 46.3

58 82.0 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VU028495.D (-1680) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1680) (-)

6.62

1500

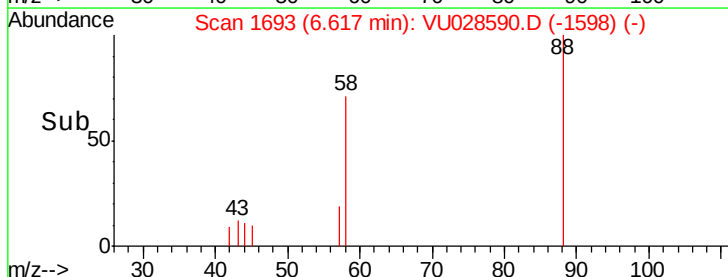
1000

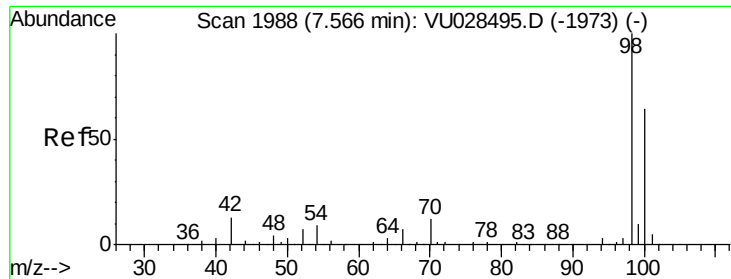
500

0

6.55 6.60 6.65

Time-->

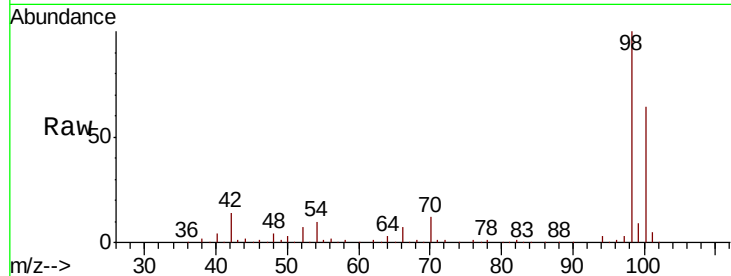




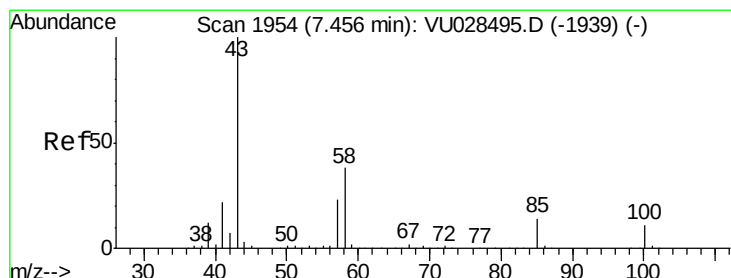
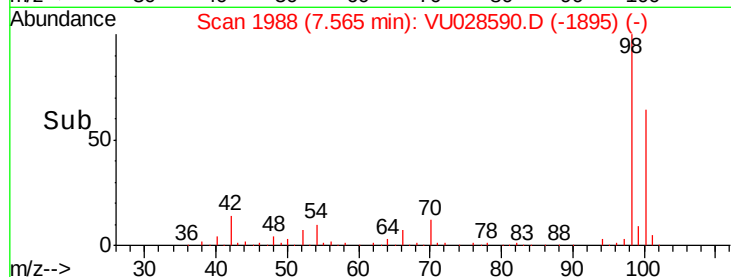
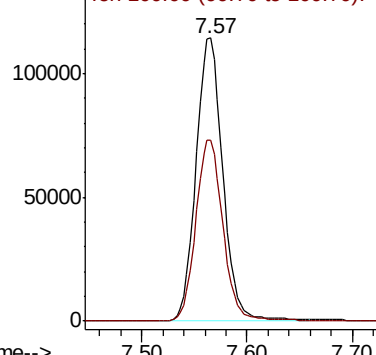
#50
Toluene-d8
Concen: 51.143 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW002-01

Tot Ion: 98 Resp: 201513
Ion Ratio Lower Upper
98 100
100 65.0 51.0 76.6

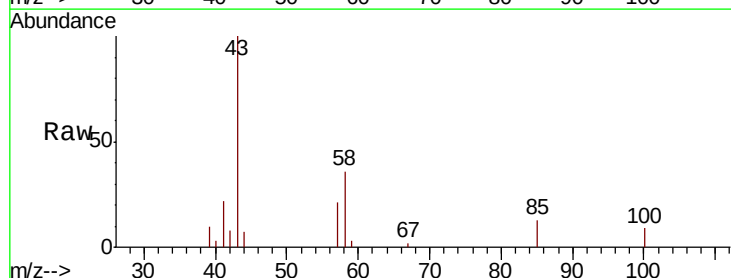


Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

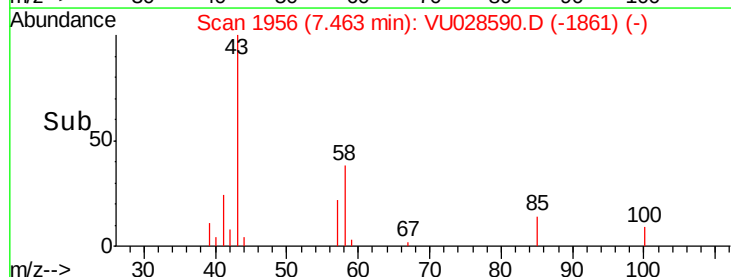
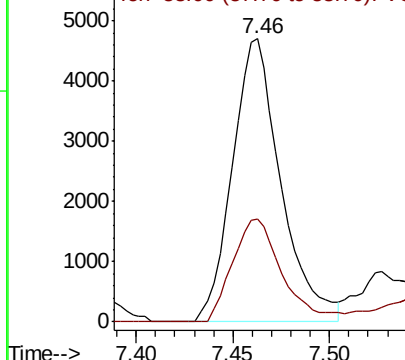


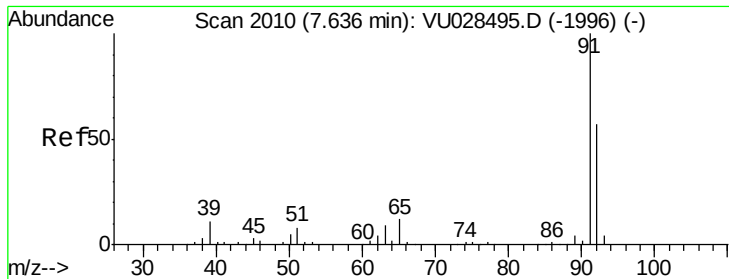
#51
4-Methyl-2-Pentanone
Concen: 3.668 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Tgt Ion: 43 Resp: 8193
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)
Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)





#52

Toluene

Concen: 2.454 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

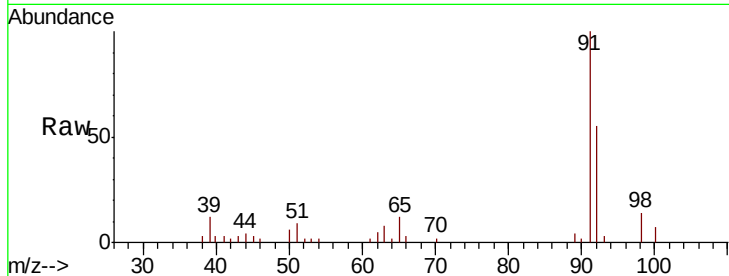
P001-SW002-01

Tot Ion: 92 Resp: 7366

Ion Ratio Lower Upper

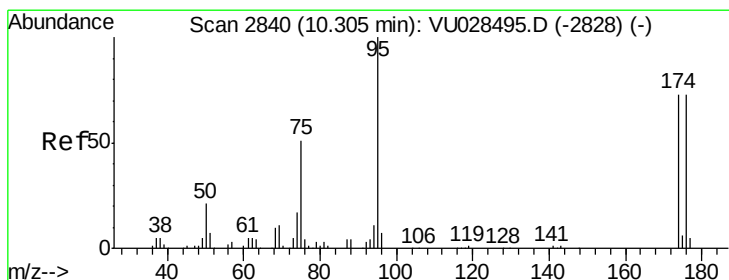
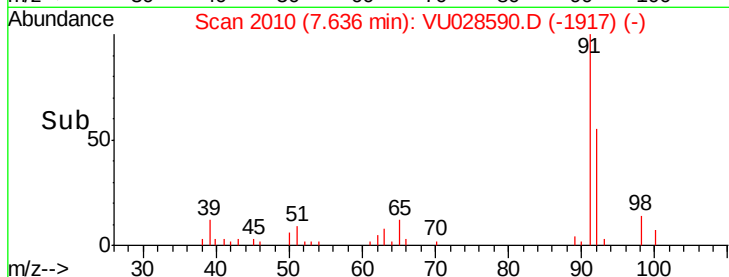
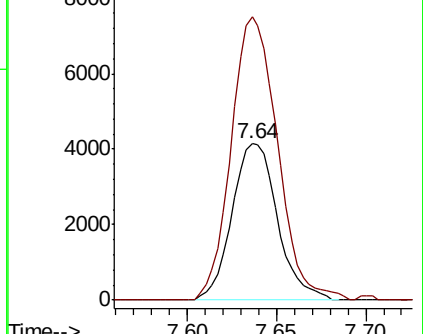
92 100

91 184.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)



#62

4-Bromofluorobenzene

Concen: 46.752 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

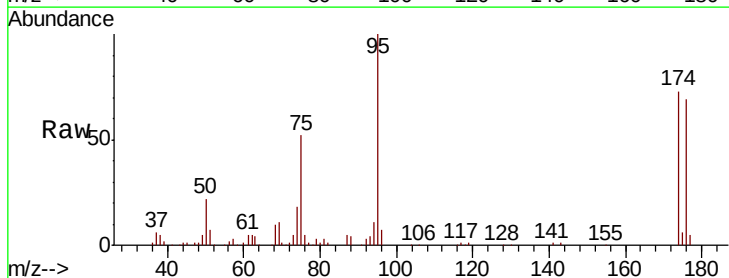
Tgt Ion: 95 Resp: 68851

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

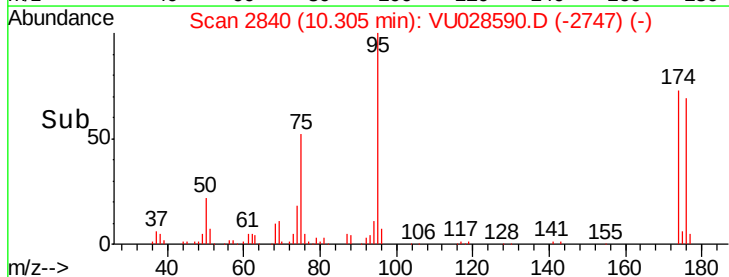
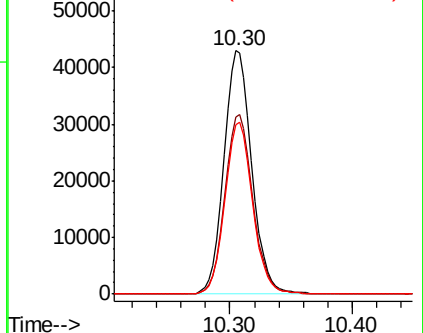
176 70.4 0.0 145.2

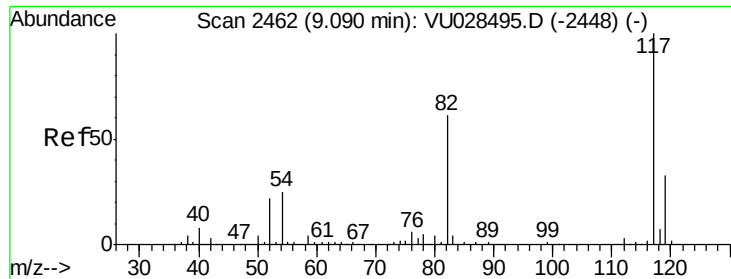


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

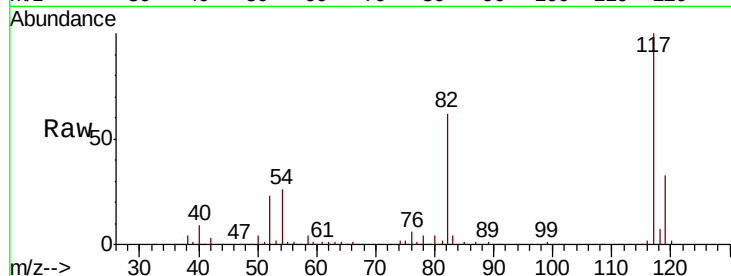




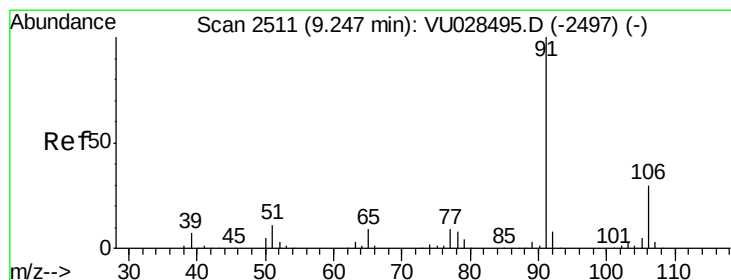
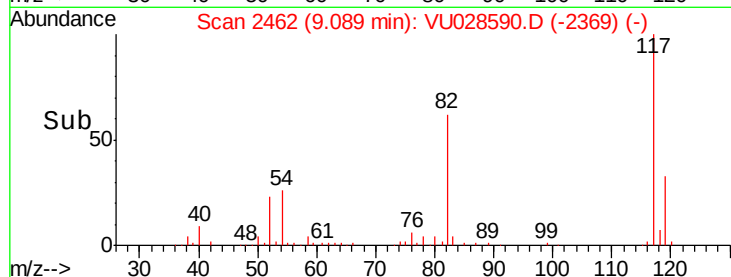
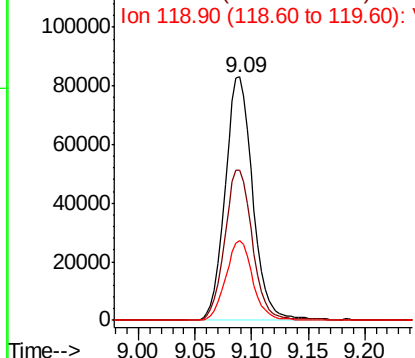
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW002-01

Tot Ion:117 Resp: 141273
Ion Ratio Lower Upper
117 100
82 61.9 48.9 73.3
119 32.7 26.2 39.4

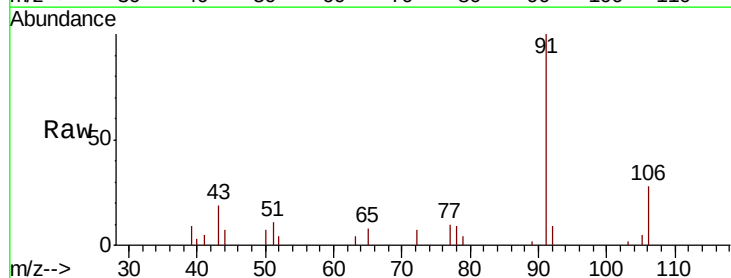


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

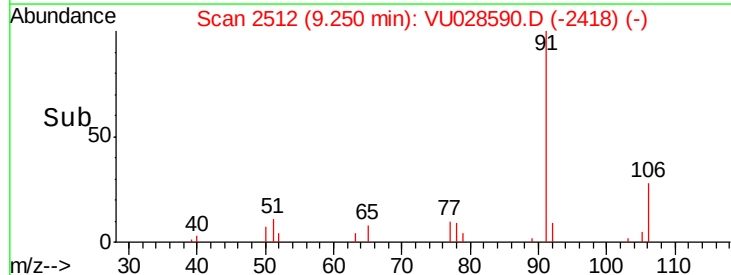
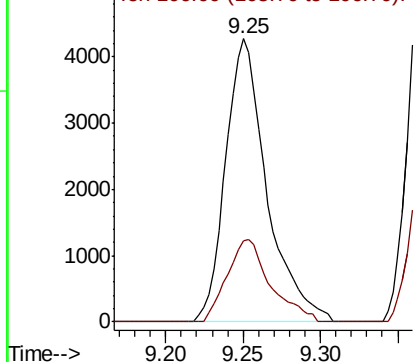


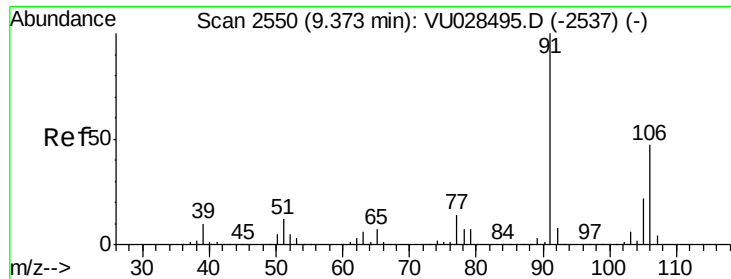
#67
Ethyl Benzene
Concen: 1.426 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Tgt Ion: 91 Resp: 7890
Ion Ratio Lower Upper
91 100
106 28.5 24.1 36.1



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





#68

m/p-Xylenes

Concen: 3.542 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028590.D

Acq: 11 Dec 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

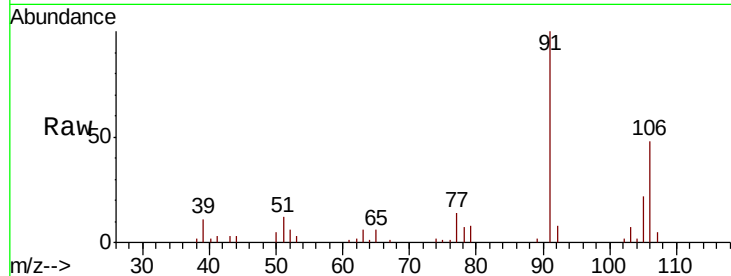
P001-SW002-01

Tot Ion:106 Resp: 7133

Ion Ratio Lower Upper

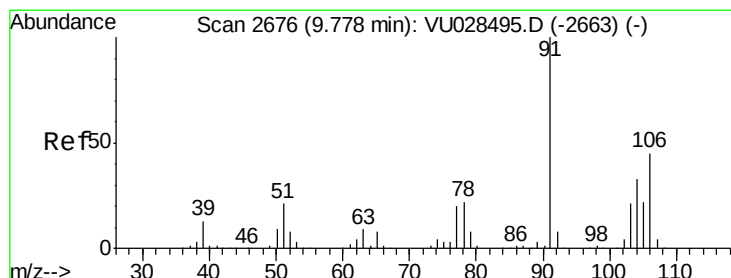
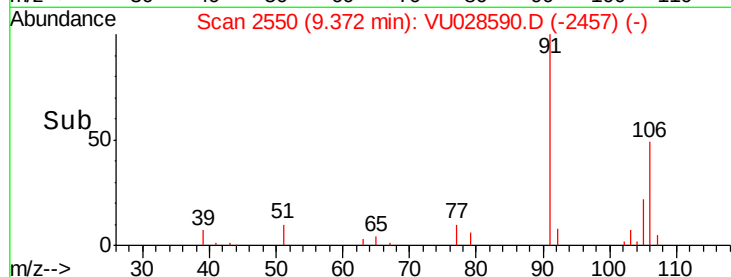
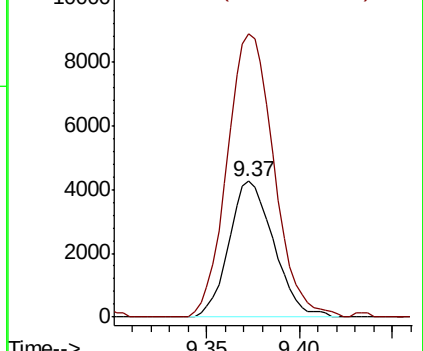
106 100

91 217.9 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 2.425 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028590.D

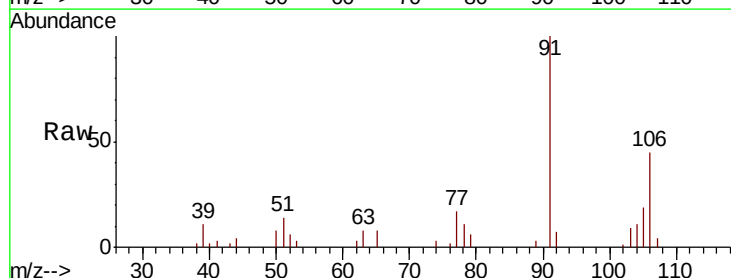
Acq: 11 Dec 2018 07:41

Tgt Ion:106 Resp: 4745

Ion Ratio Lower Upper

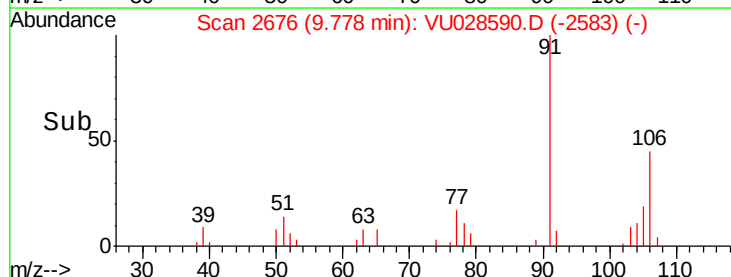
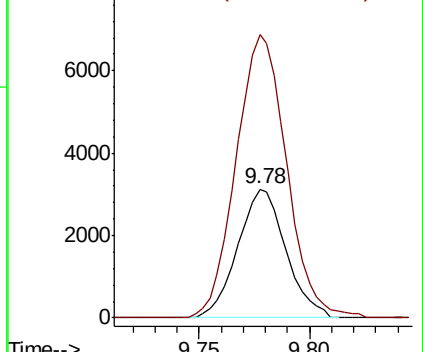
106 100

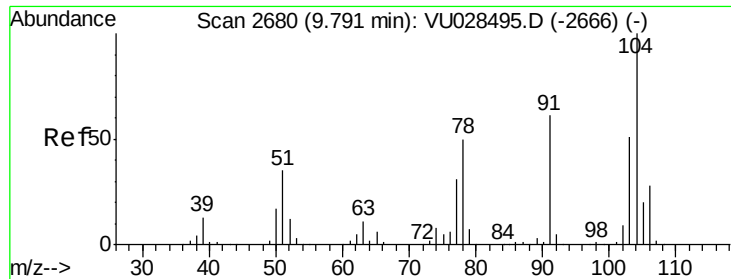
91 230.9 111.3 334.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

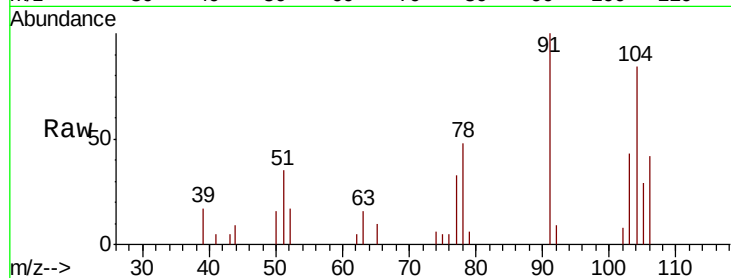




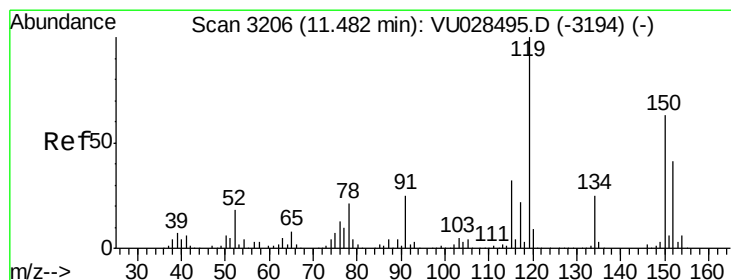
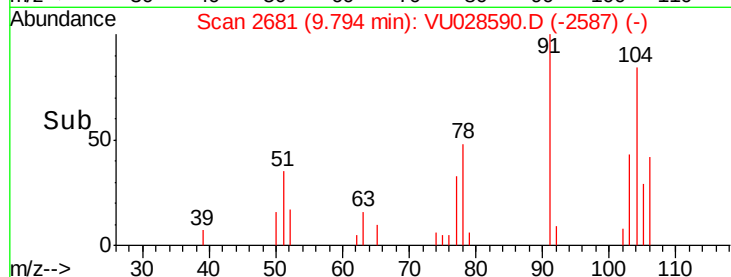
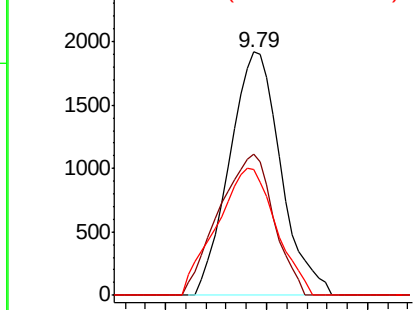
#70
Stvrene
Concen: 1.051 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
P001-SW002-01

Tot Ion:104 Resp: 3403
Ion Ratio Lower Upper
104 100
78 61.9 43.0 64.6
103 60.1 44.2 66.4

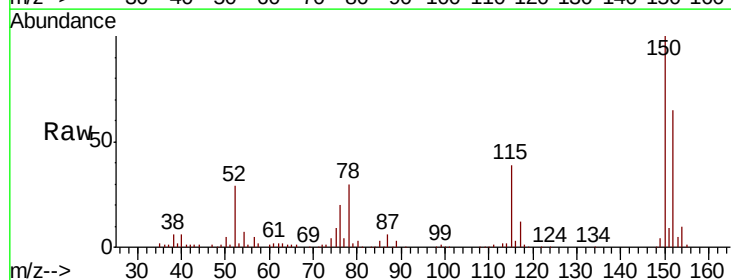


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

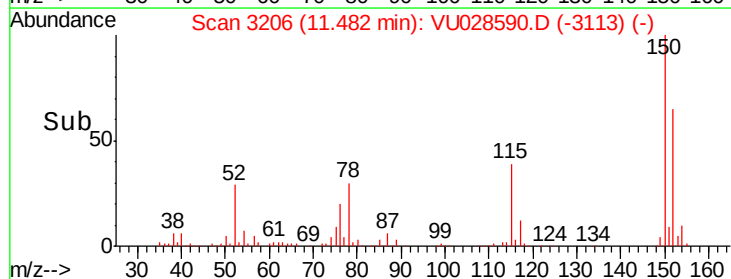
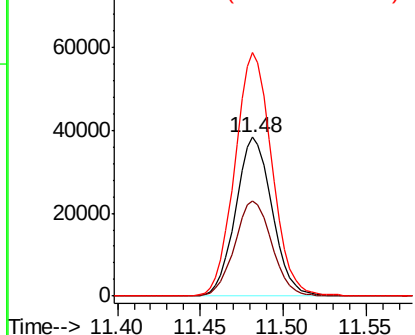


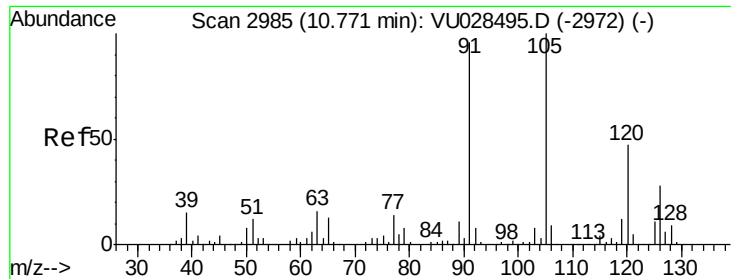
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028590.D
Acq: 11 Dec 2018 07:41

Tgt Ion:152 Resp: 58627
Ion Ratio Lower Upper
152 100
115 60.9 42.7 128.1
150 155.7 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

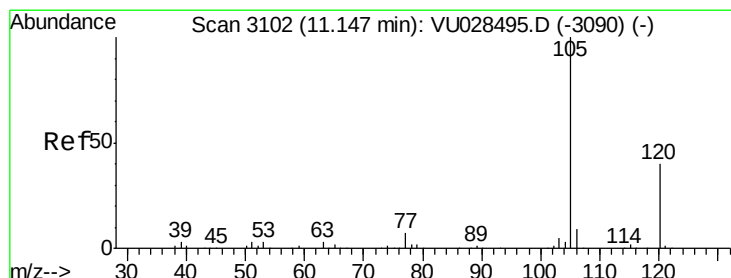
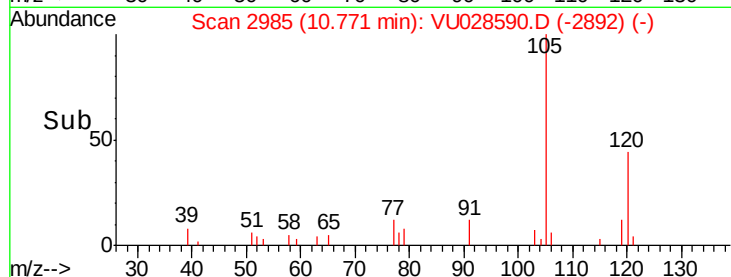
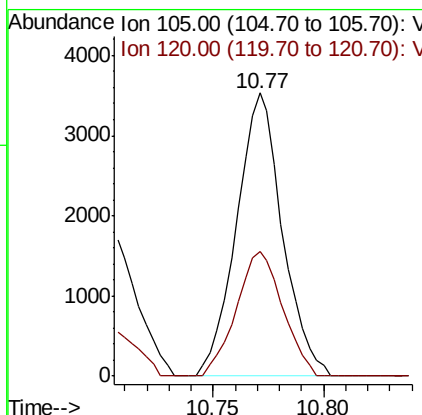
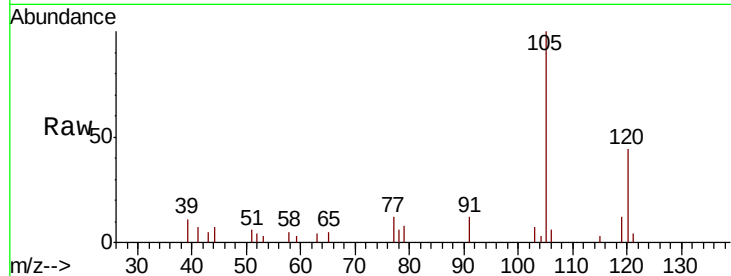




#80
 1,3,5-Trimethylbenzene
 Concen: 1.370 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

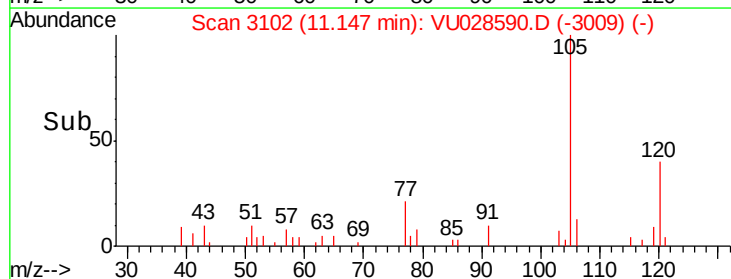
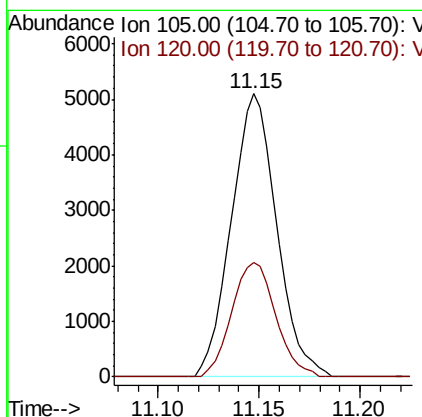
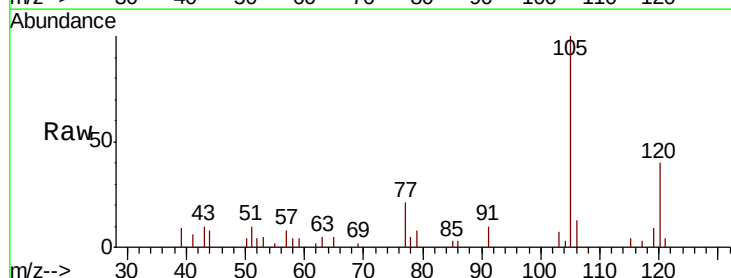
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW002-01

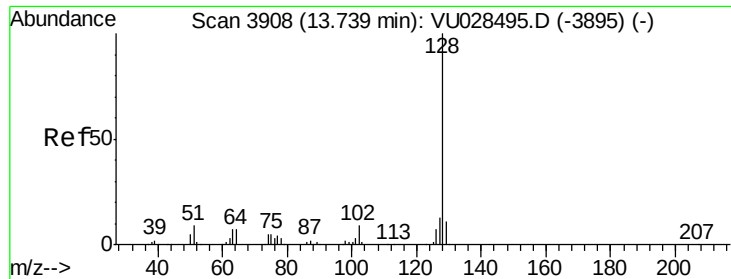
Tot Ion:105 Resp: 5103
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.090 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Tgt Ion:105 Resp: 8022
 Ion Ratio Lower Upper
 105 100
 120 39.3 21.8 65.4





#95
 Naphthalene
 Concen: 1.363 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028590.D
 Acq: 11 Dec 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW002-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	9.8	8.6	13.0

