

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028593.D
 Acq On : 11 Dec 2018 08:54
 Operator : MD/SY
 Sample : J6305-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01

Quant Time: Dec 11 14:58:31 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	84781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	158512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	60446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72206	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
35) Dibromofluoromethane	4.88	113	52878	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	7.56	98	203990	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	10.30	95	69482	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

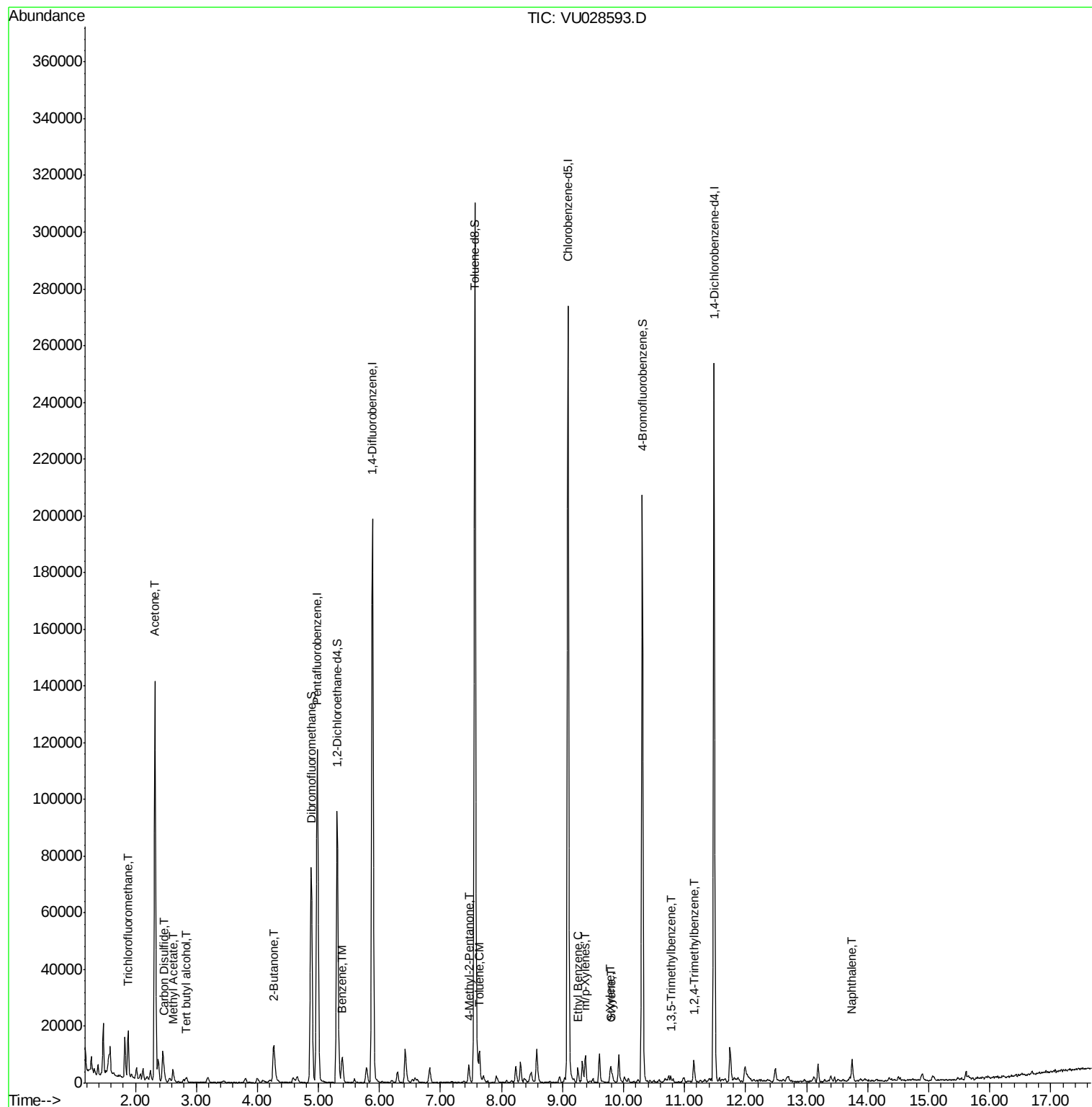
						Qvalue
7) Trichlorofluoromethane	1.88	101	10126	6.384	ug/l	98
11) Tert butyl alcohol	2.83	59	2157	7.483	ug/l #	76
16) Acetone	2.32	43	144453	171.098	ug/l	100
17) Carbon Disulfide	2.47	76	3160	0.929	ug/l	95
18) Methyl Acetate	2.62	43	5642	2.578	ug/l	94
25) 2-Butanone	4.27	43	24439	21.182	ug/l	98
40) Benzene	5.39	78	8646	1.692	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	5144	2.300	ug/l	92
52) Toluene	7.64	92	3431	1.141	ug/l	85
67) Ethyl Benzene	9.25	91	3780	0.673	ug/l	95
68) m/p-Xylenes	9.37	106	2631	1.287	ug/l	97
69) o-Xylene	9.78	106	788	0.397	ug/l	74
70) Styrene	9.80	104	2363	0.719	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	1394	0.363	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	3154	0.797	ug/l	94
95) Naphthalene	13.74	128	6265	1.274	ug/l	100

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

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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: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

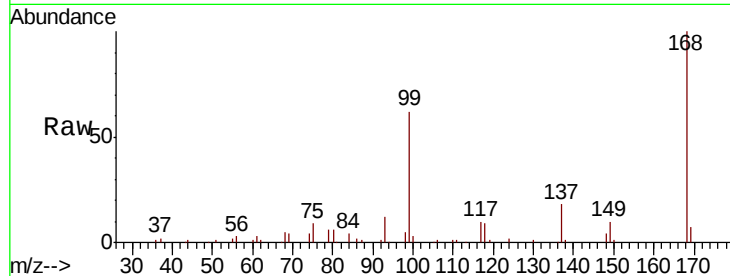
P001-SW004-01

Tot Ion:168 Resp: 84781

Ion Ratio Lower Upper

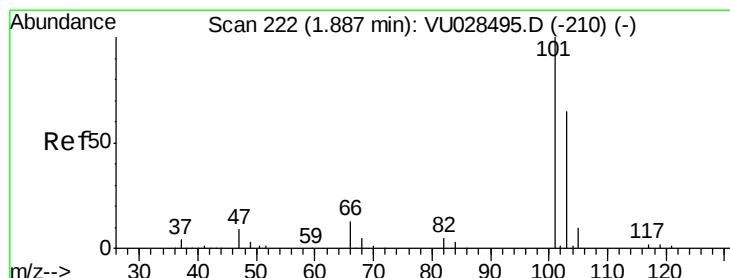
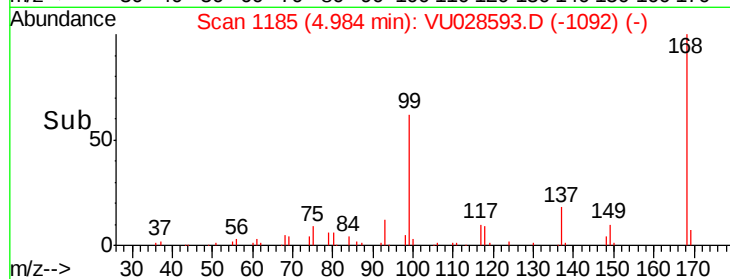
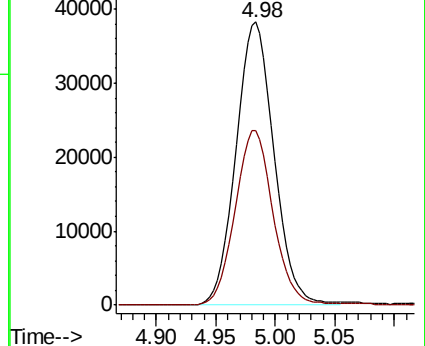
168 100

99 61.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#7

Trichlorofluoromethane

Concen: 6.384 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028593.D

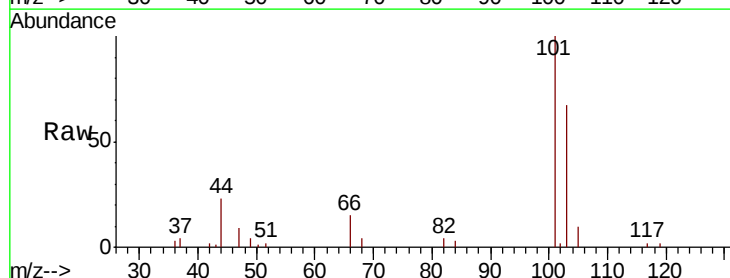
Acq: 11 Dec 2018 08:54

Tgt Ion:101 Resp: 10126

Ion Ratio Lower Upper

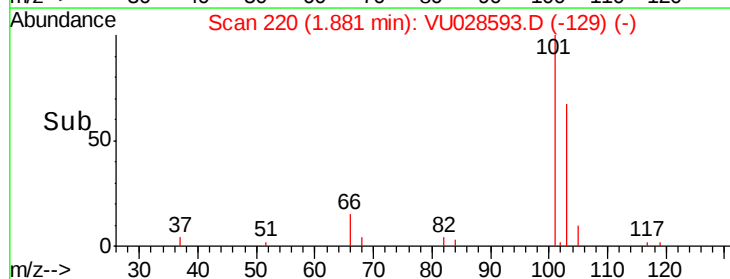
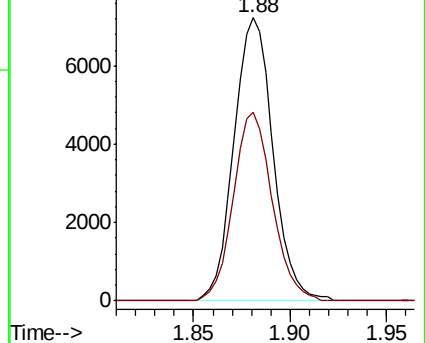
101 100

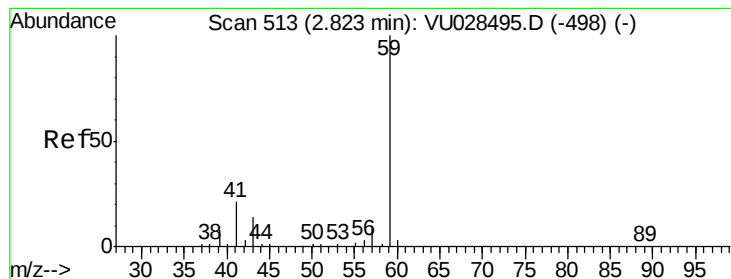
103 66.6 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



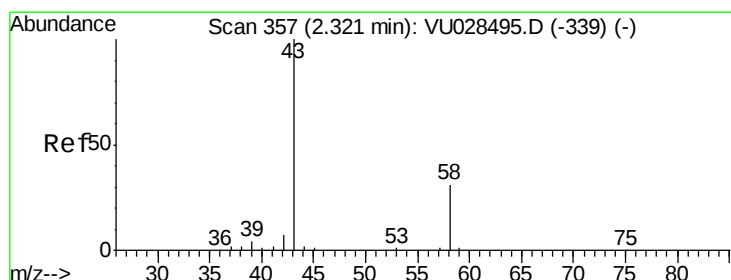
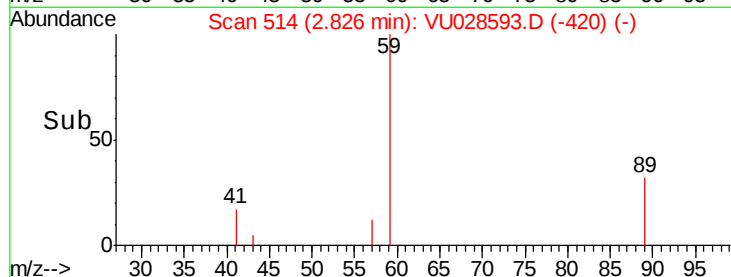
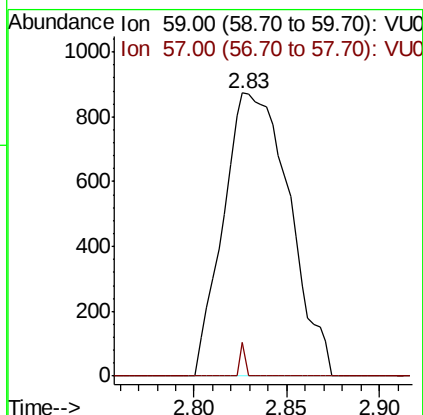
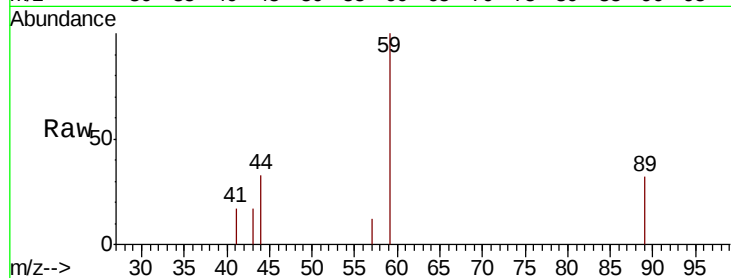


#11

Tert butyl alcohol
 Concen: 7.483 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028593.D
 Acq: 11 Dec 2018 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01

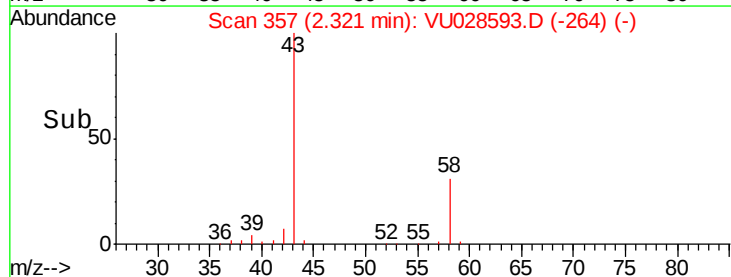
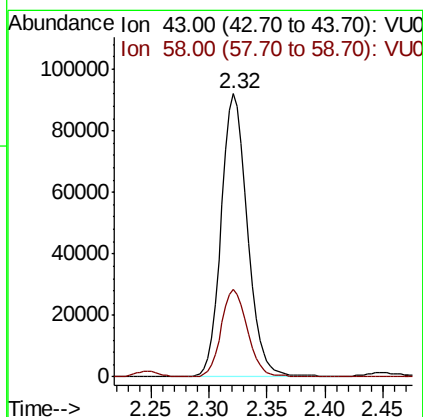
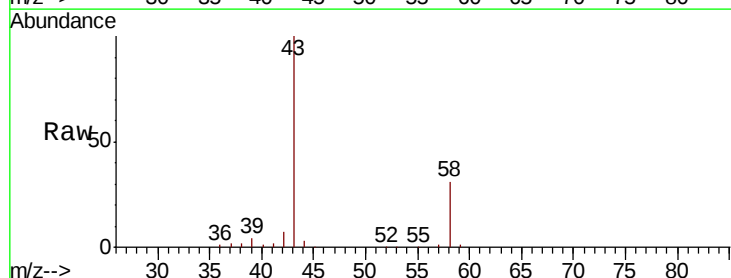
Tot Ion: 59 Resp: 2157
 Ion Ratio Lower Upper
 59 100
 57 0.9 8.0 12.0#

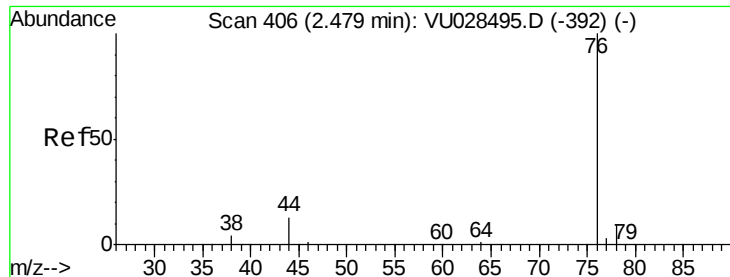


#16

Acetone
 Concen: 171.098 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028593.D
 Acq: 11 Dec 2018 08:54

Tgt Ion: 43 Resp: 144453
 Ion Ratio Lower Upper
 43 100
 58 30.8 24.6 37.0

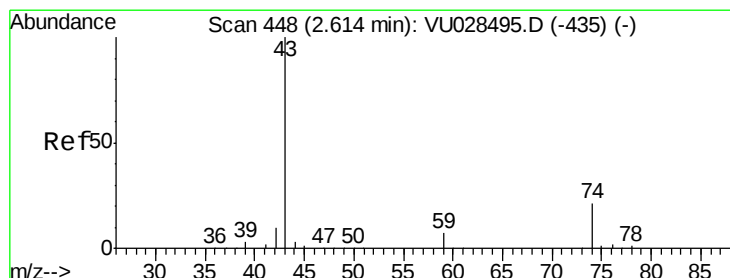
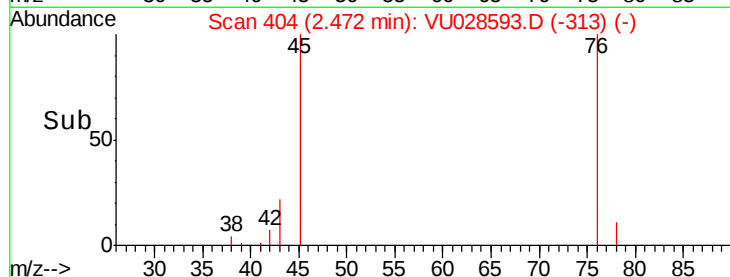
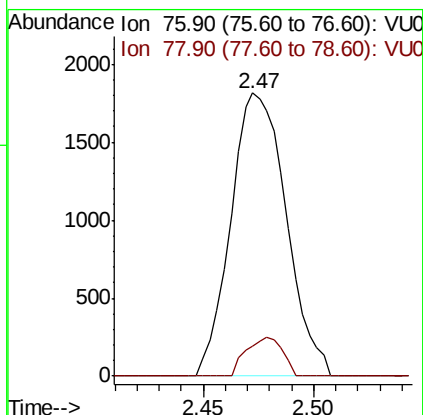
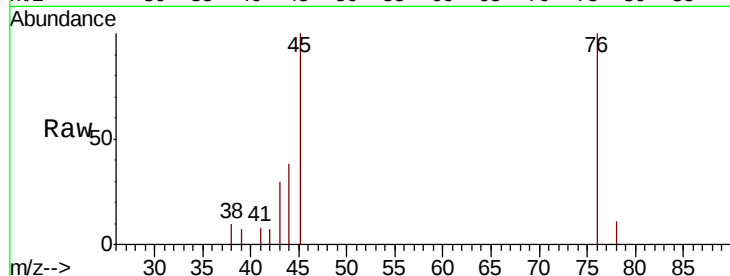




#17
Carbon Disulfide
Concen: 0.929 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

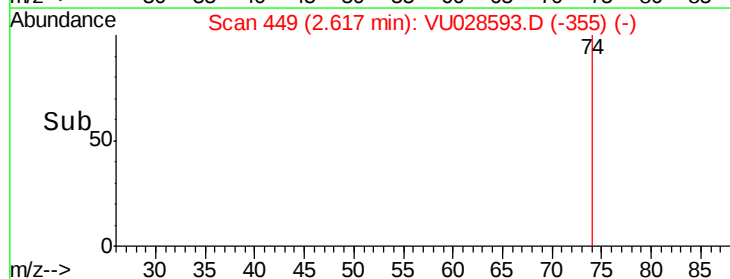
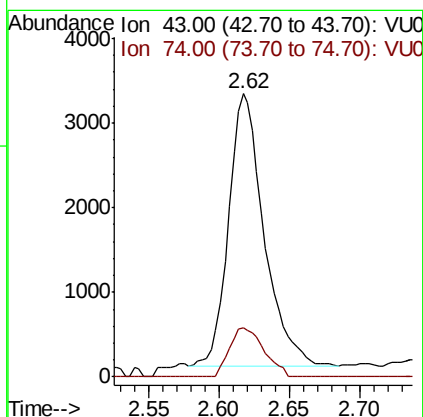
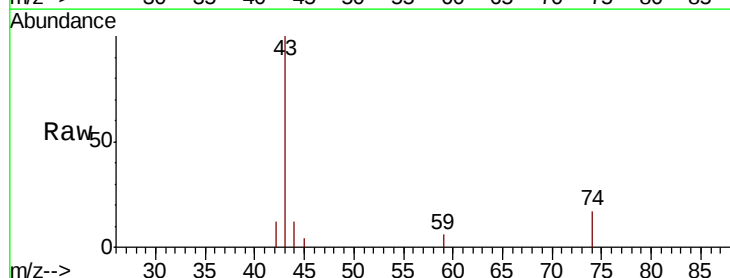
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

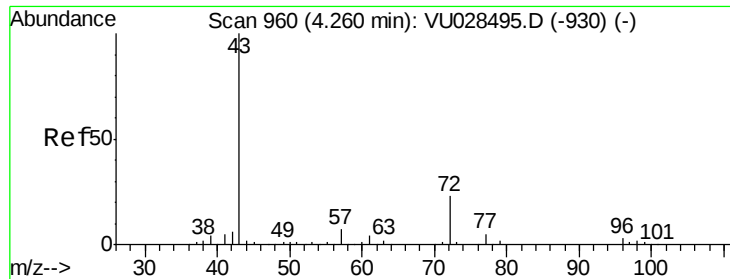
Tot Ion: 76 Resp: 3160
Ion Ratio Lower Upper
76 100
78 10.8 7.2 10.8



#18
Methyl Acetate
Concen: 2.578 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Tgt Ion: 43 Resp: 5642
Ion Ratio Lower Upper
43 100
74 17.5 16.4 24.6

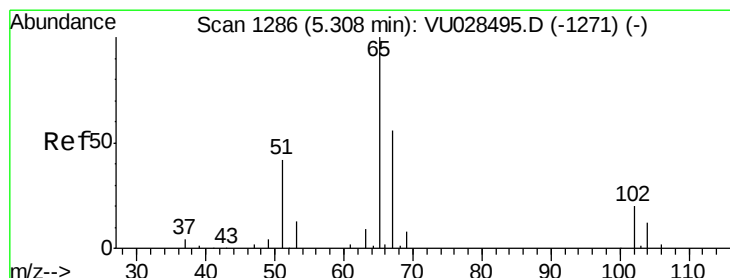
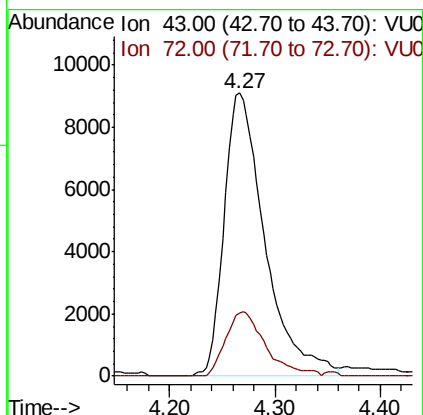
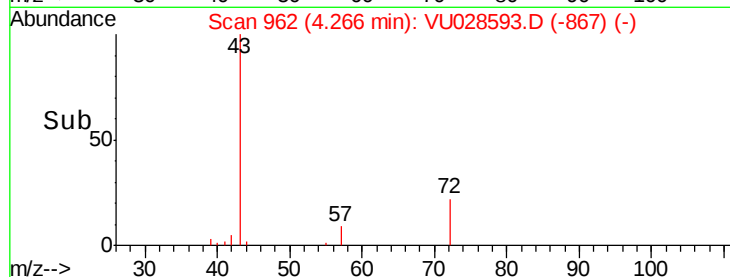
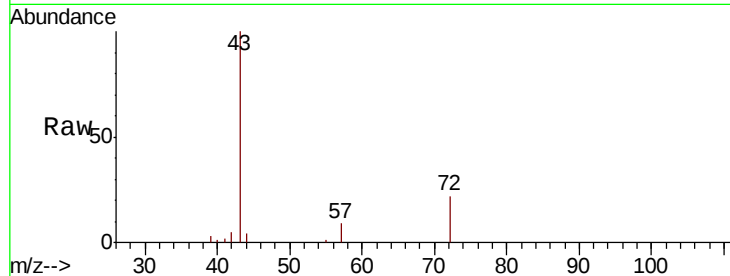




#25
 2-Butanone
 Concen: 21.182 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: VU028593.D
 Acq: 11 Dec 2018 08:54

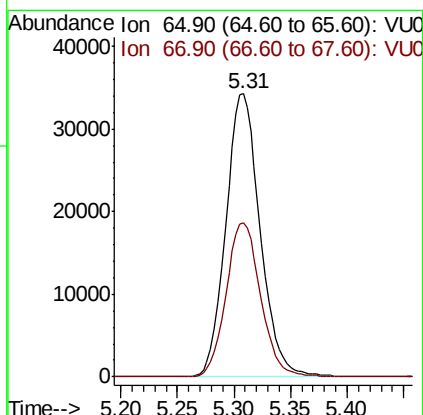
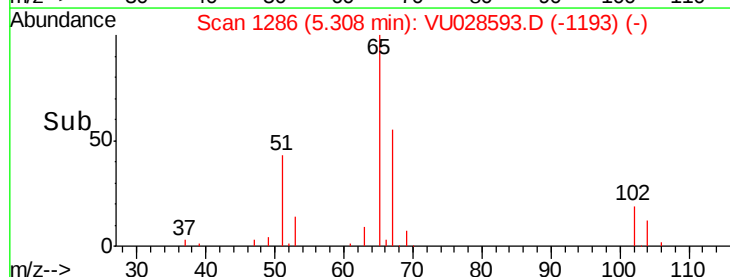
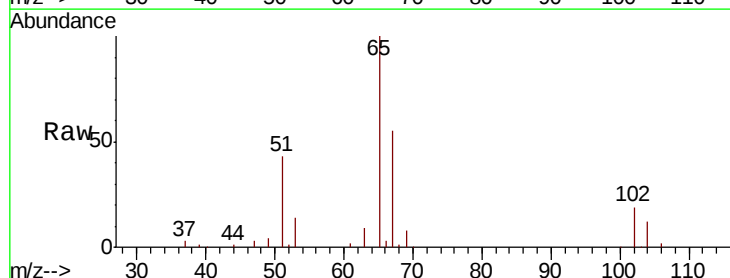
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01

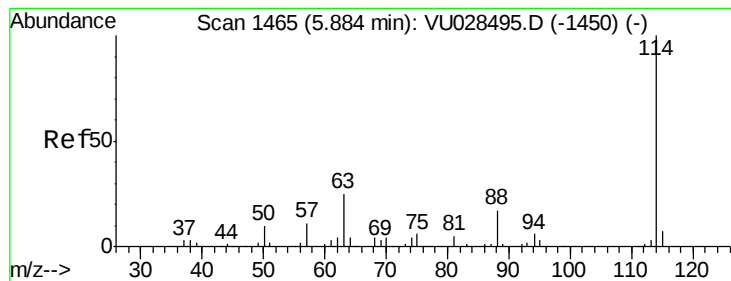
Tot Ion: 43 Resp: 24439
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.6 28.0



#33
 1,2-Dichloroethane-d4
 Concen: 55.809 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028593.D
 Acq: 11 Dec 2018 08:54

Tgt Ion: 65 Resp: 72206
 Ion Ratio Lower Upper
 65 100
 67 54.8 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: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01

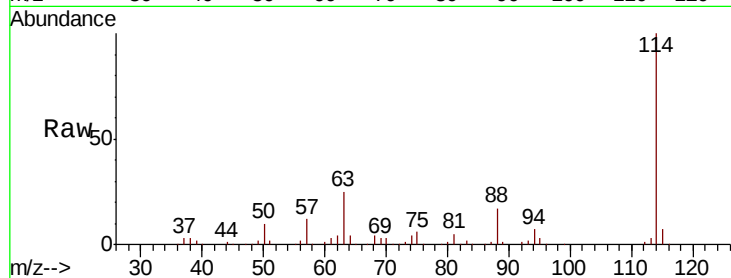
Tot Ion:114 Resp: 158512

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

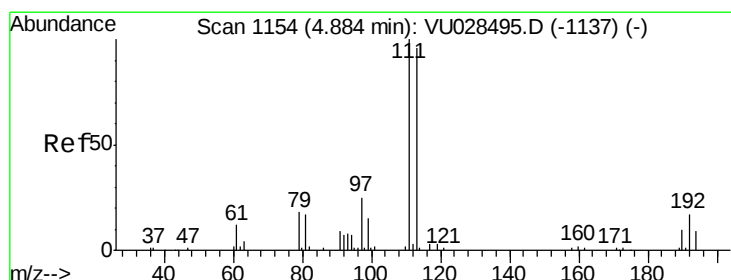
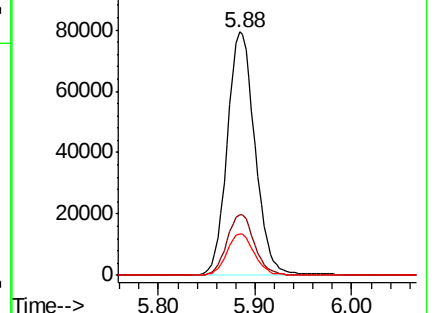
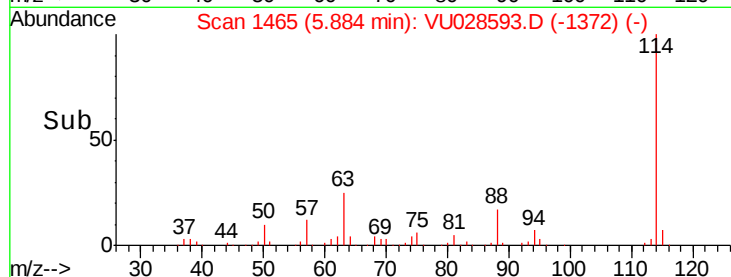
88 17.2 0.0 33.4



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: 53.009 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028593.D

Acq: 11 Dec 2018 08:54

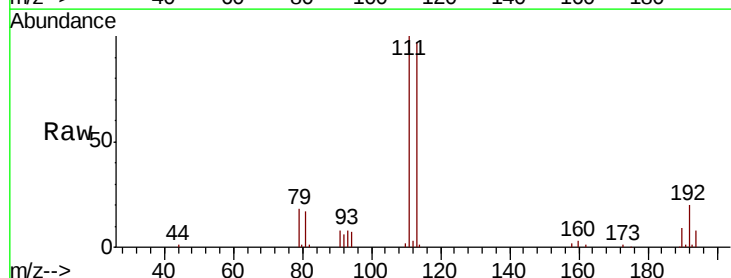
Tgt Ion:113 Resp: 52878

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

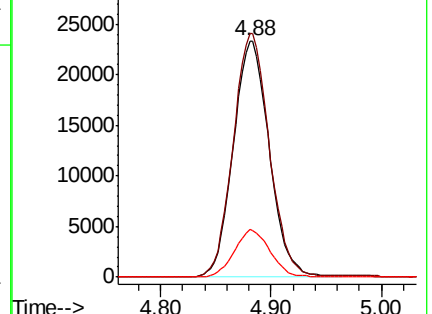
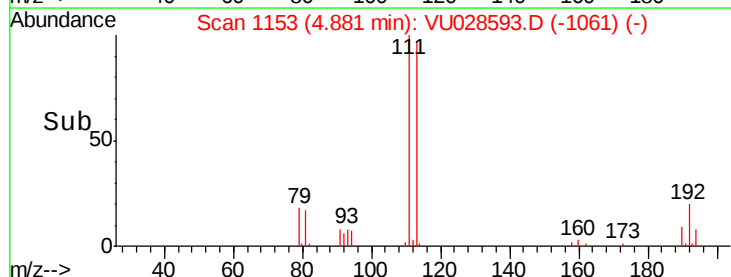
192 19.7 14.8 22.2

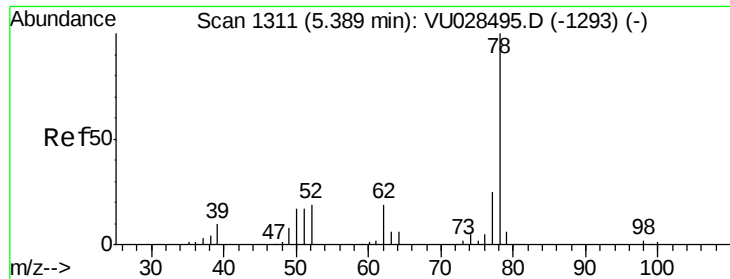


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.692 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

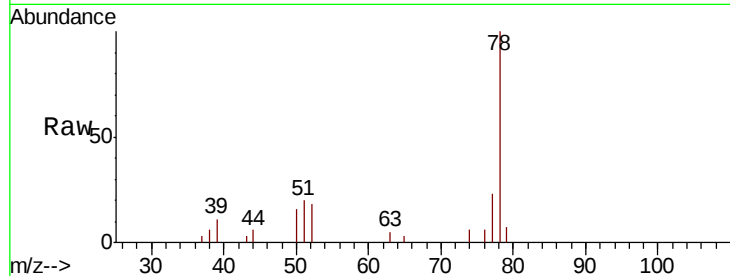
P001-SW004-01

Tot Ion: 78 Resp: 8646

Ion Ratio Lower Upper

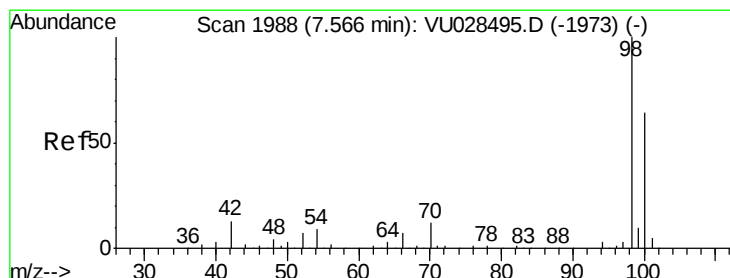
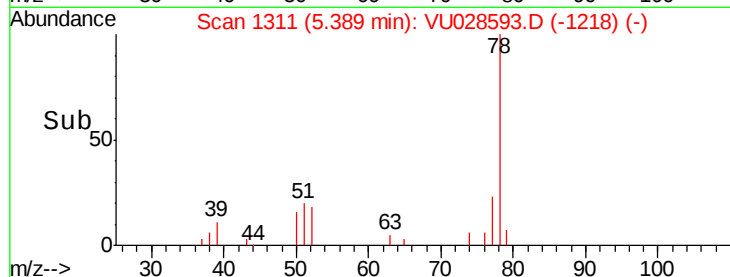
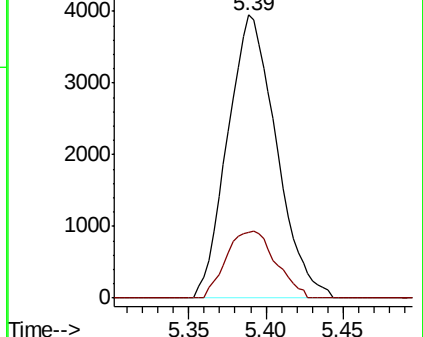
78 100

77 23.2 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 51.695 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028593.D

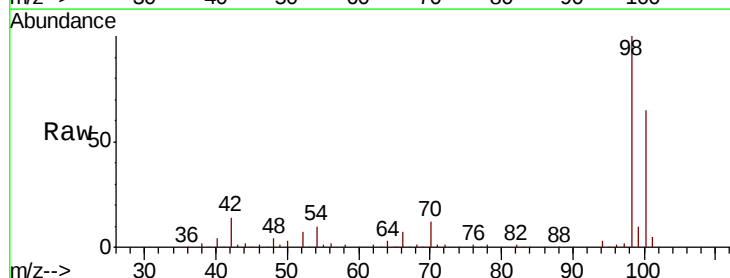
Acq: 11 Dec 2018 08:54

Tgt Ion: 98 Resp: 203990

Ion Ratio Lower Upper

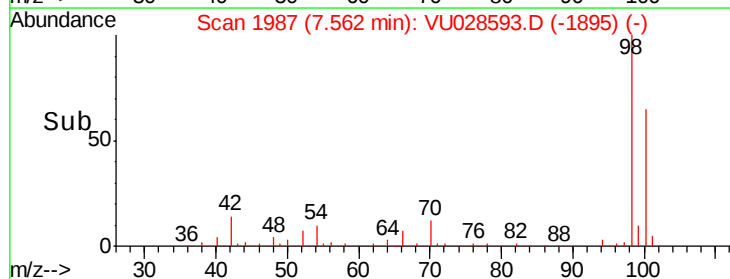
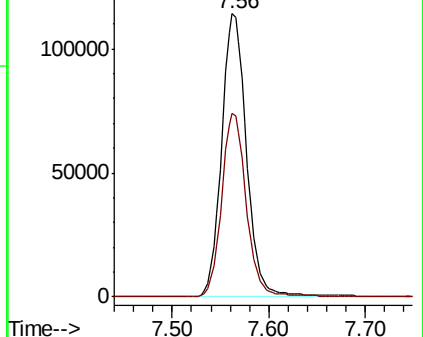
98 100

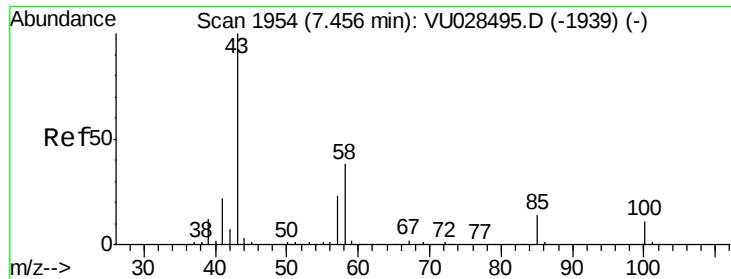
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 2.300 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

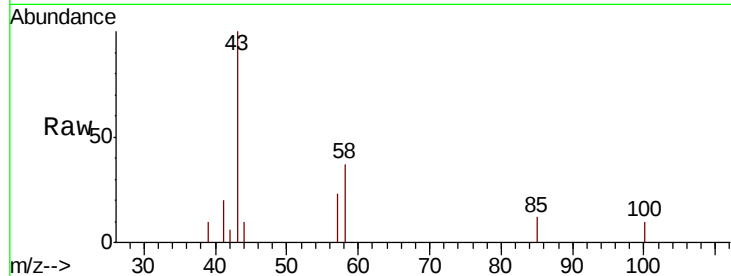
P001-SW004-01

Tot Ion: 43 Resp: 5144

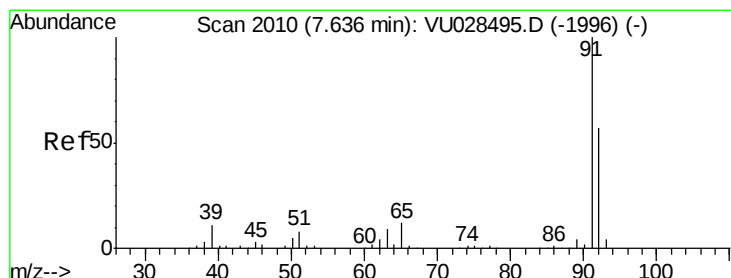
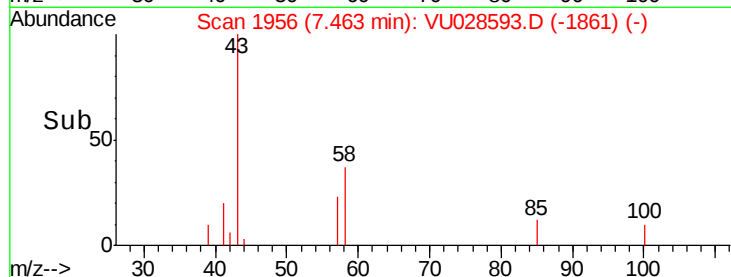
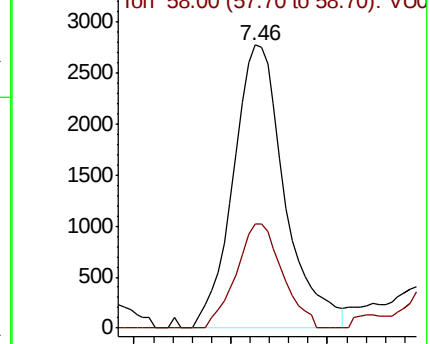
Ion Ratio Lower Upper

43 100

58 33.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0



#52

Toluene

Concen: 1.141 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028593.D

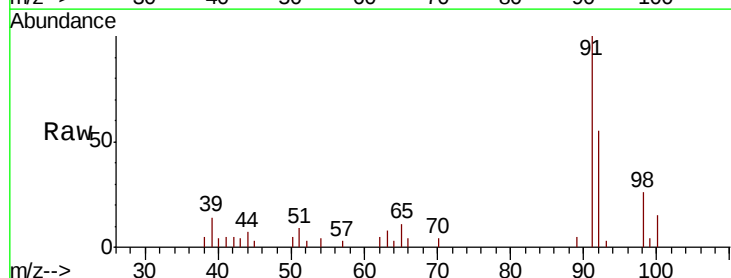
Acq: 11 Dec 2018 08:54

Tgt Ion: 92 Resp: 3431

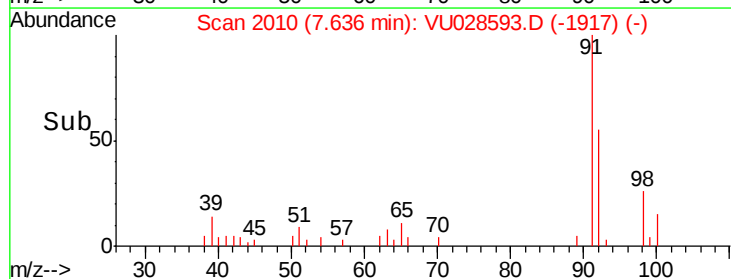
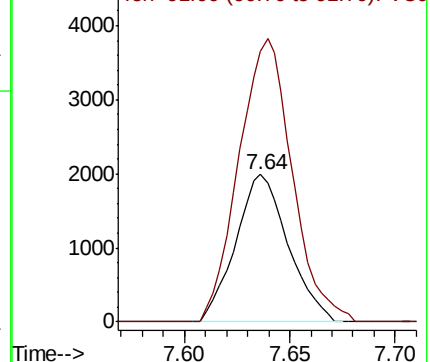
Ion Ratio Lower Upper

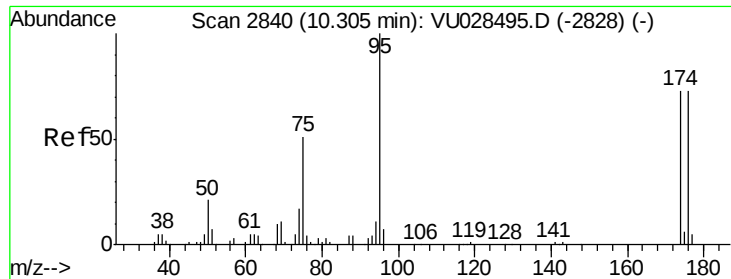
92 100

91 196.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

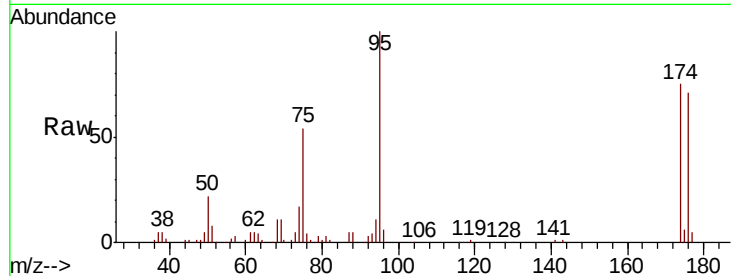




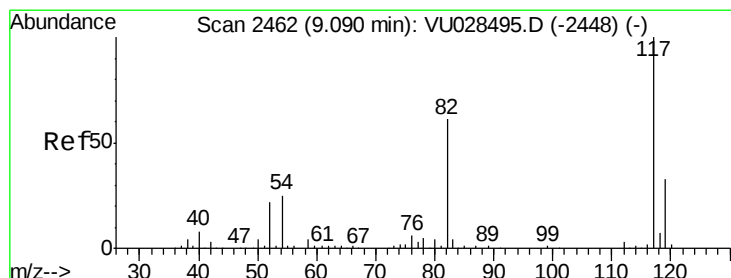
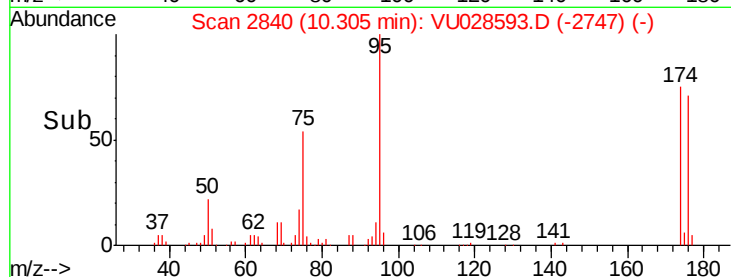
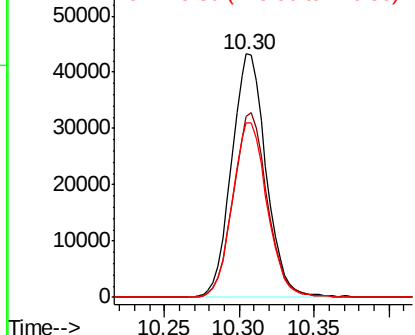
#62
4-Bromofluorobenzene
Concen: 47.110 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion: 95 Resp: 69482
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.4
176 72.3 0.0 145.2

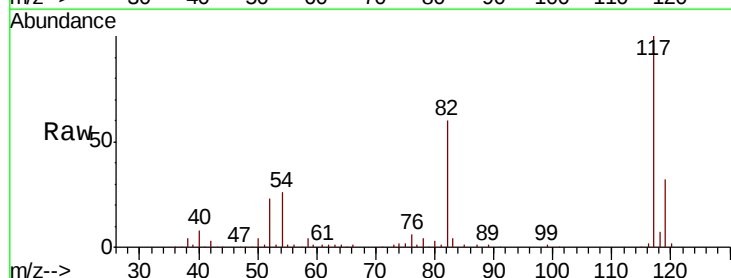


Abundance Ion 94.90 (94.60 to 95.60): VU
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

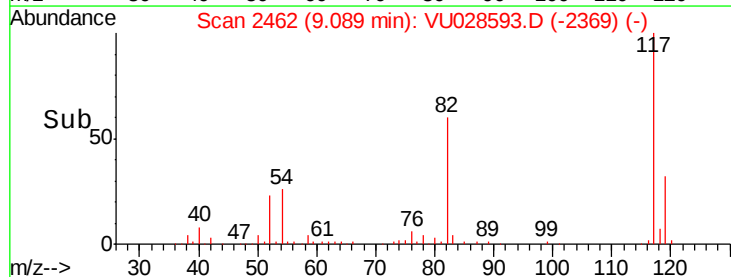
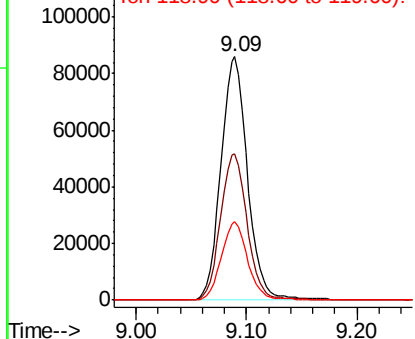


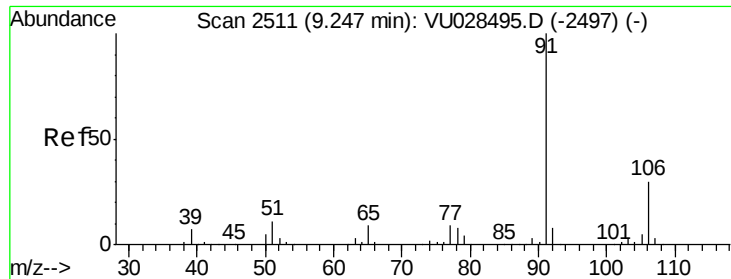
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Tgt Ion: 117 Resp: 143428
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.1 26.2 39.4



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

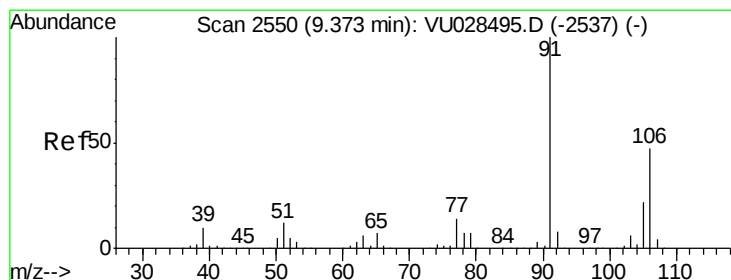
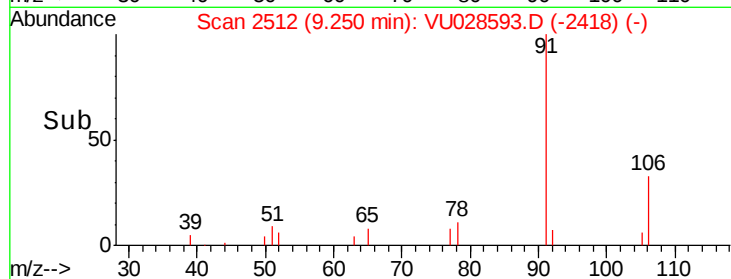
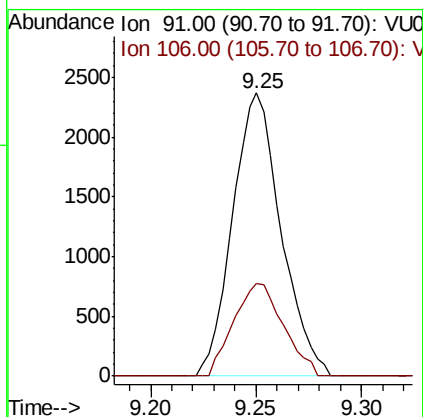
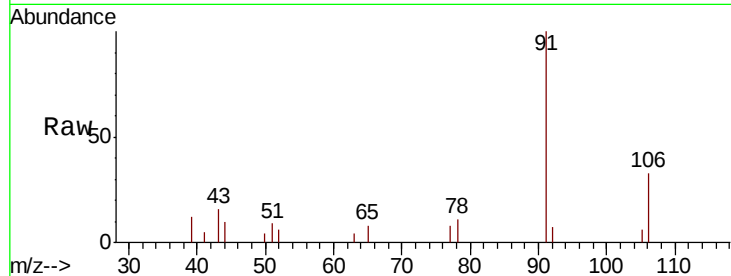




#67
Ethyl Benzene
Concen: 0.673 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

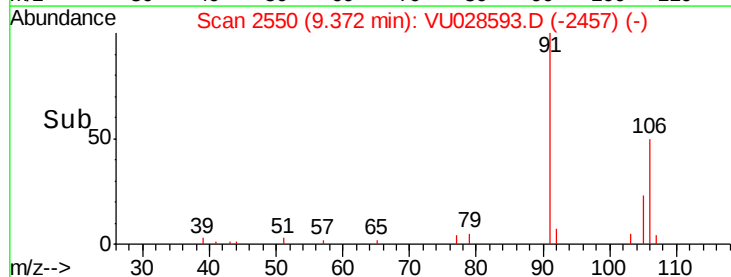
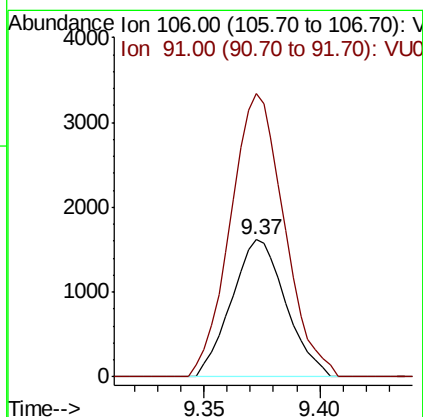
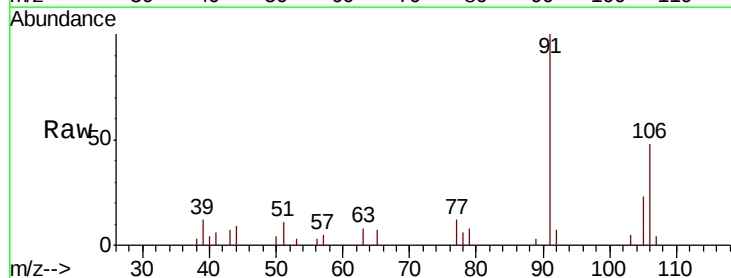
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

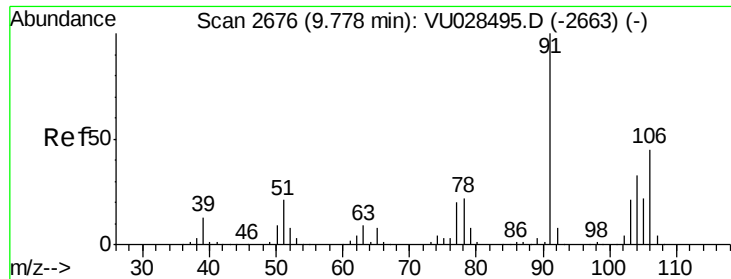
Tot Ion: 91 Resp: 3780
Ion Ratio Lower Upper
91 100
106 32.6 24.1 36.1



#68
m/p-Xylenes
Concen: 1.287 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Tgt Ion: 106 Resp: 2631
Ion Ratio Lower Upper
106 100
91 204.2 167.4 251.0

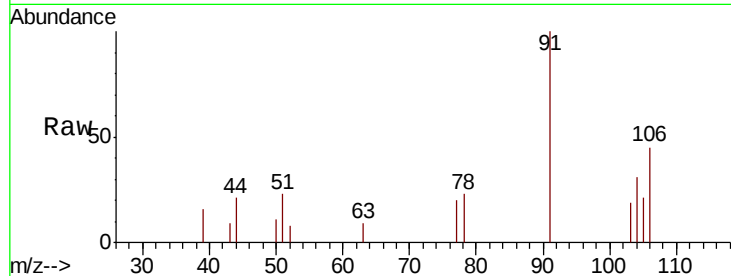




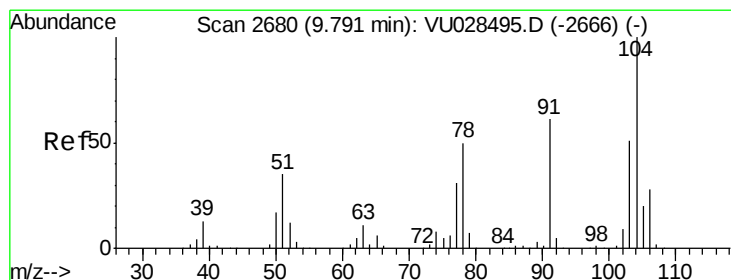
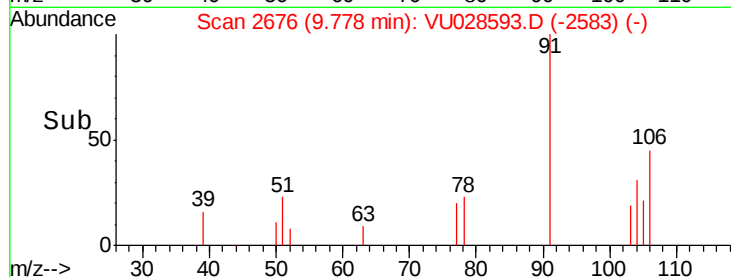
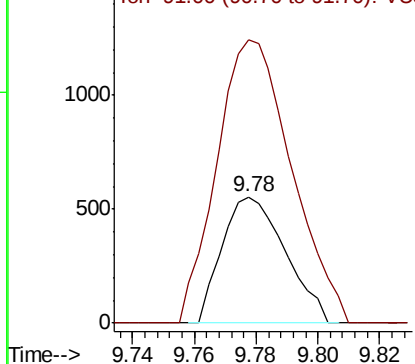
#69
o-Xylene
Concen: 0.397 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01

Tot Ion:106 Resp: 788
Ion Ratio Lower Upper
106 100
91 265.2 111.3 334.0

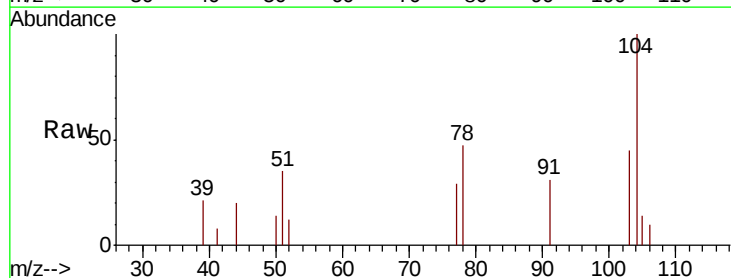


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

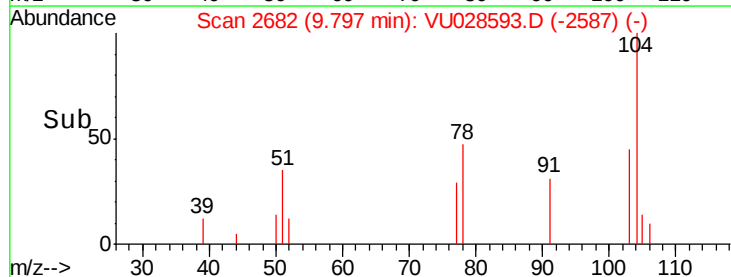
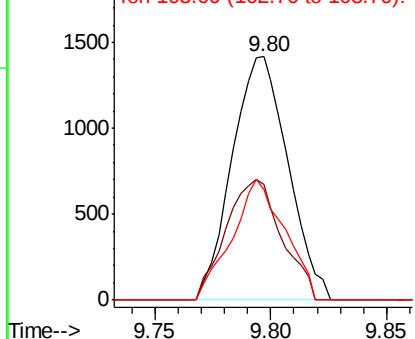


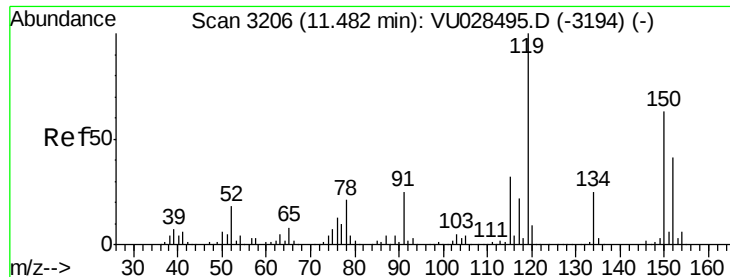
#70
Styrene
Concen: 0.719 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.01 min
Lab File: VU028593.D
Acq: 11 Dec 2018 08:54

Tgt Ion:104 Resp: 2363
Ion Ratio Lower Upper
104 100
78 49.4 43.0 64.6
103 46.6 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: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01

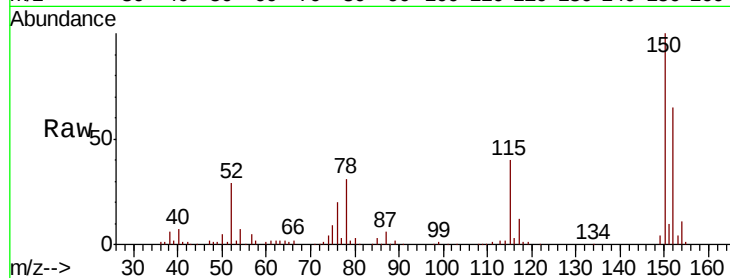
Tot Ion:152 Resp: 60446

Ion Ratio Lower Upper

152 100

115 61.7 42.7 128.1

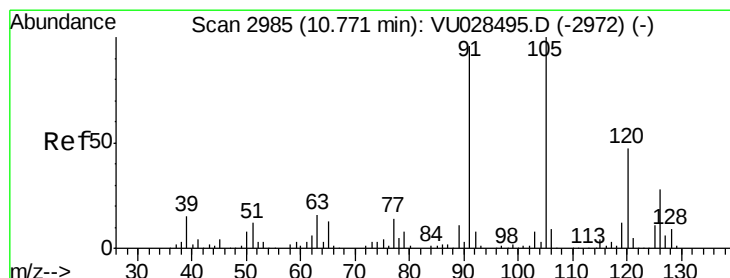
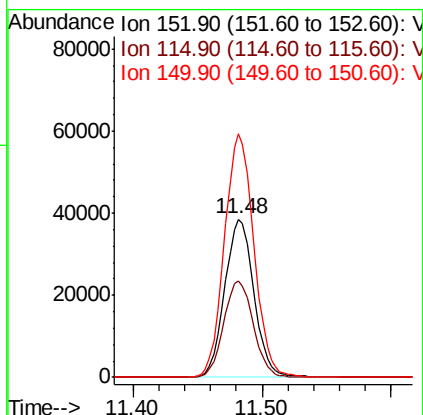
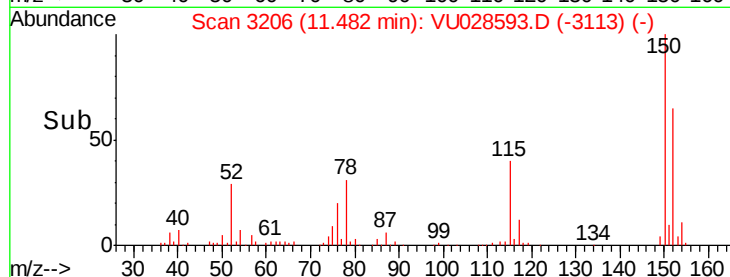
150 155.7 0.0 346.0



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: 0.363 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028593.D

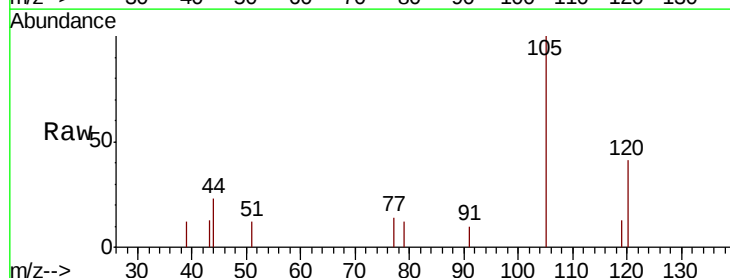
Acq: 11 Dec 2018 08:54

Tgt Ion:105 Resp: 1394

Ion Ratio Lower Upper

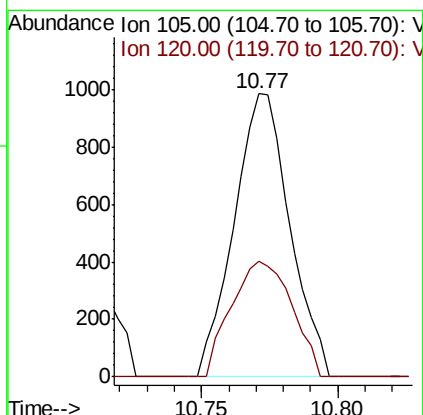
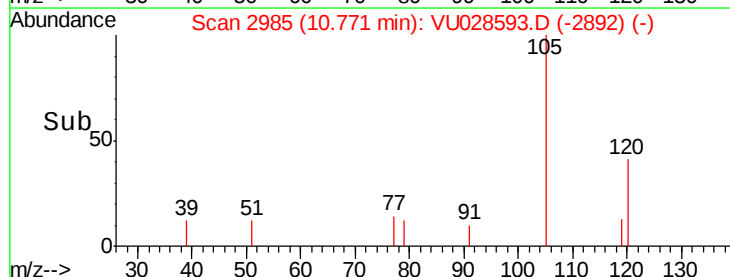
105 100

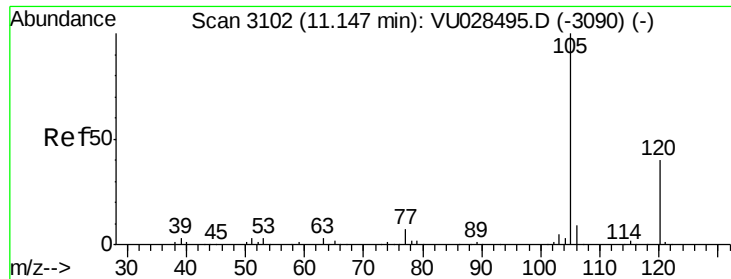
120 44.5 23.7 71.1



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: 0.797 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028593.D

Acq: 11 Dec 2018 08:54

Instrument :

MSVOA_U

ClientSampleId :

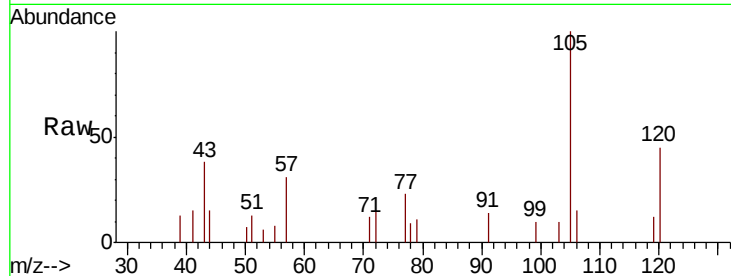
P001-SW004-01

Tot Ion:105 Resp: 3154

Ion Ratio Lower Upper

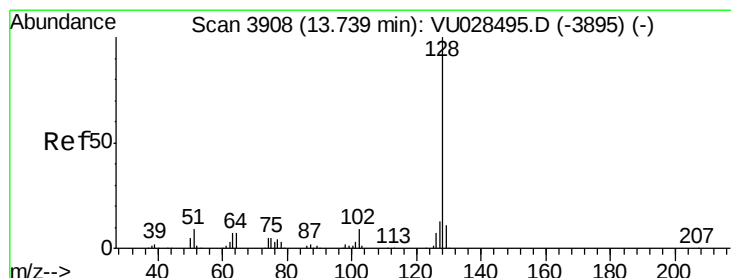
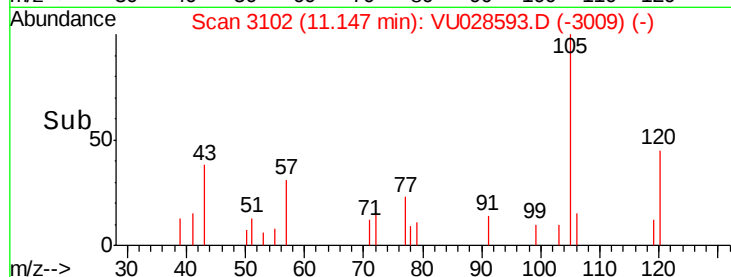
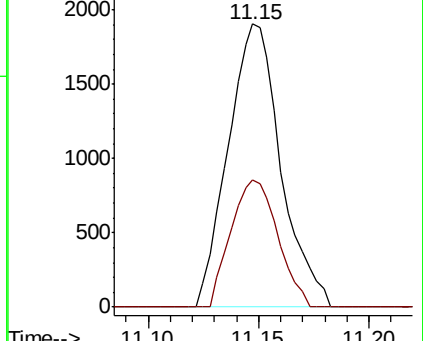
105 100

120 39.9 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.274 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028593.D

Acq: 11 Dec 2018 08:54

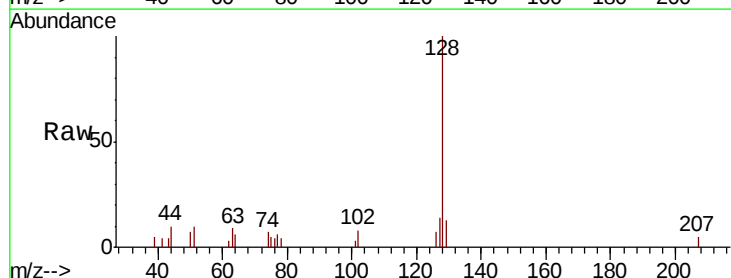
Tgt Ion:128 Resp: 6265

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

