

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028643.D
 Acq On : 12 Dec 2018 11:32
 Operator : MD/SY
 Sample : J6347-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-RB-181210

Quant Time: Dec 13 09:36:44 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

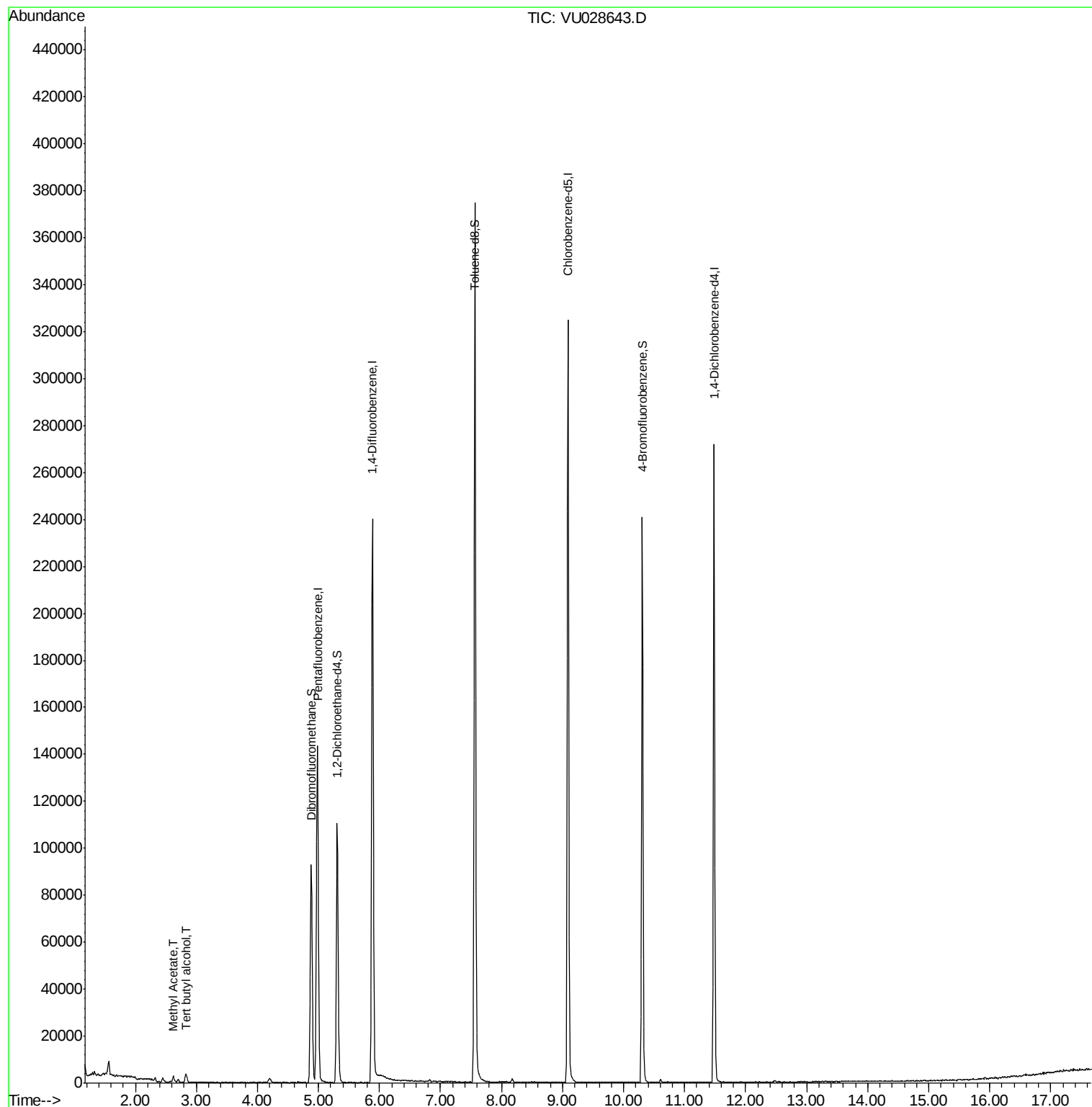
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	197191	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	84600	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
35) Dibromofluoromethane	4.88	113	65443	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
50) Toluene-d8	7.57	98	252108	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.30	95	81529	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	
Target Compounds						
11) Tert butyl alcohol	2.83	59	4519	11.918	ug/l #	89
18) Methyl Acetate	2.62	43	3461	1.202	ug/l #	89

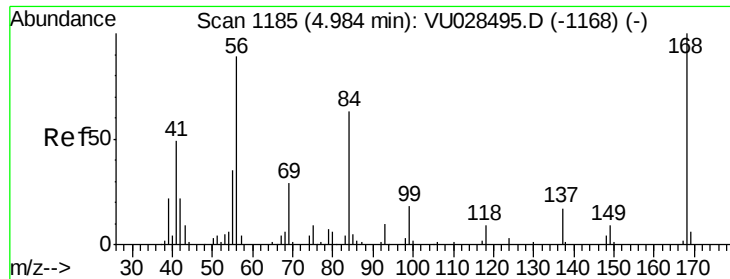
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

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ClientSampleId :

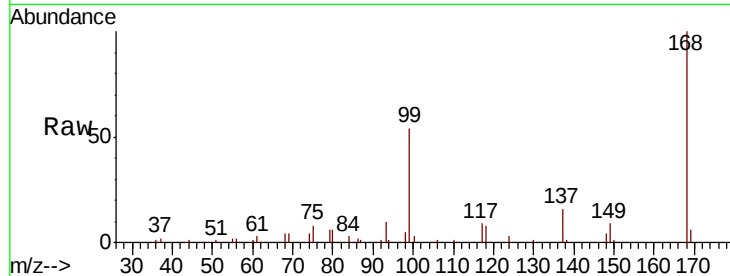
P001-RB-181210

Tot Ion:168 Resp: 111519

Ion Ratio Lower Upper

168 100

99 53.5 46.6 69.8



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

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

4.98

50000

40000

30000

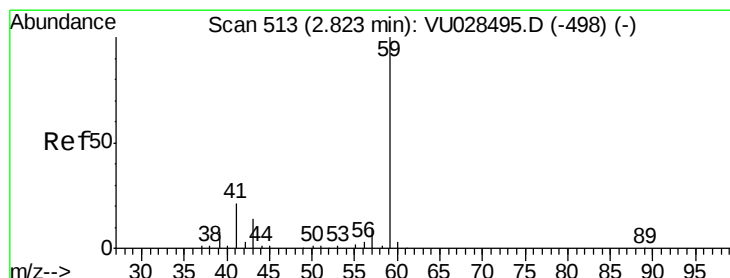
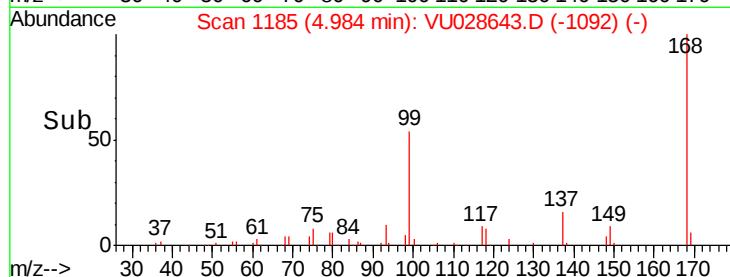
20000

10000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 11.918 ug/l

RT: 2.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU028643.D

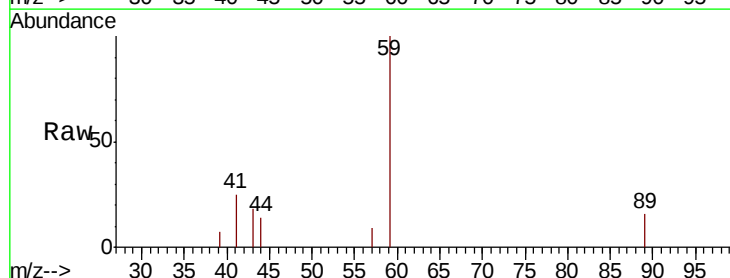
Acq: 12 Dec 2018 11:32

Tgt Ion: 59 Resp: 4519

Ion Ratio Lower Upper

59 100

57 6.1 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

2000

1500

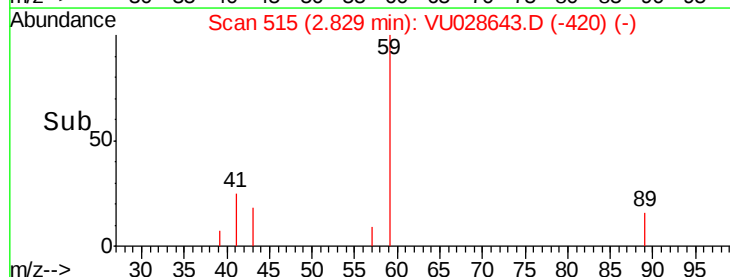
1000

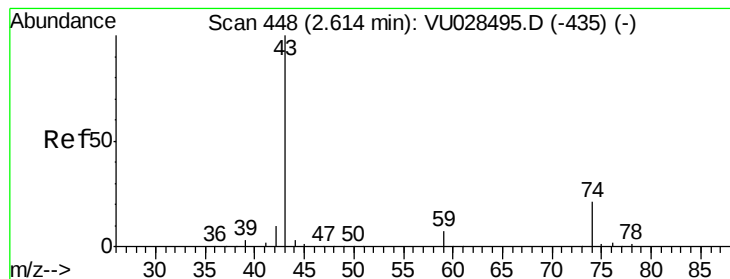
500

0

2.75 2.80 2.85 2.90

Time-->





#18

Methvl Acetate

Concen: 1.202 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

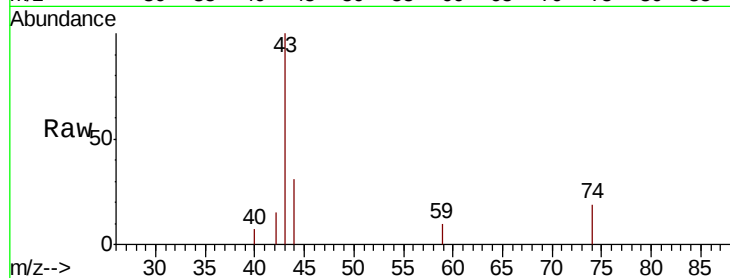
P001-RB-181210

Tot Ion: 43 Resp: 3461

Ion Ratio Lower Upper

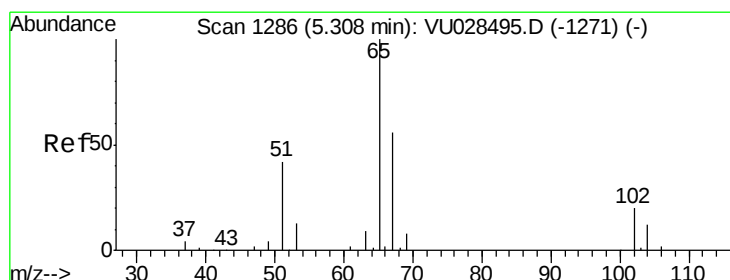
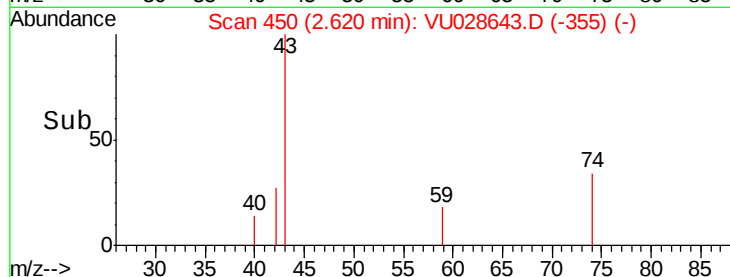
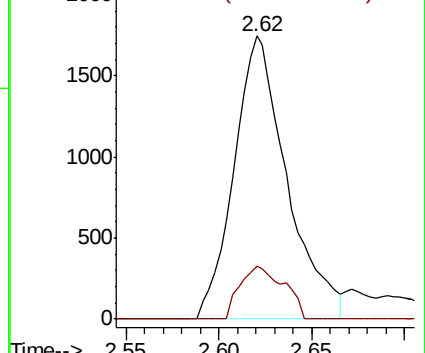
43 100

74 15.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 49.711 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028643.D

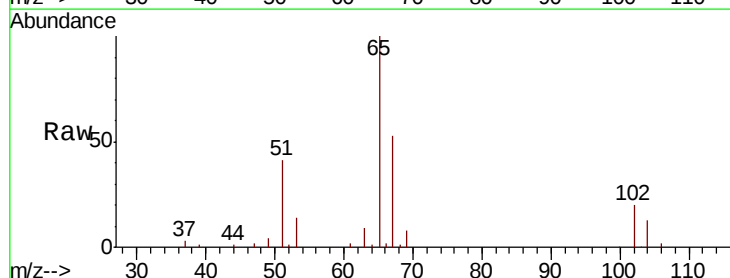
Acq: 12 Dec 2018 11:32

Tgt Ion: 65 Resp: 84600

Ion Ratio Lower Upper

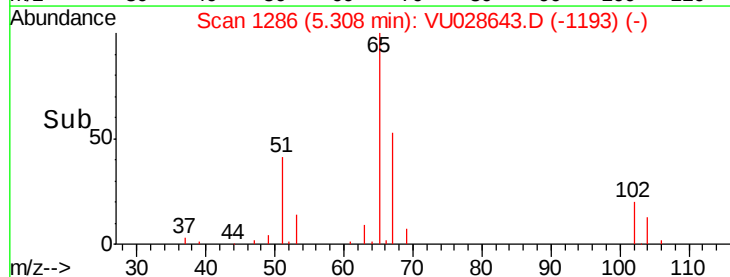
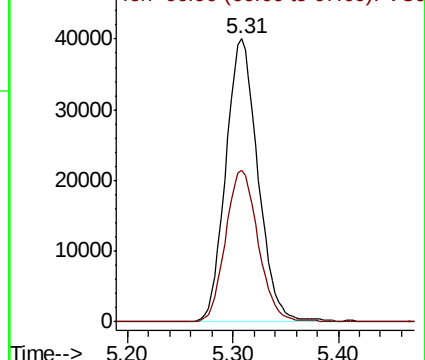
65 100

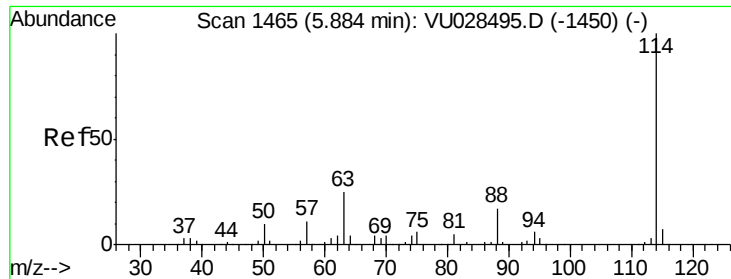
67 54.3 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

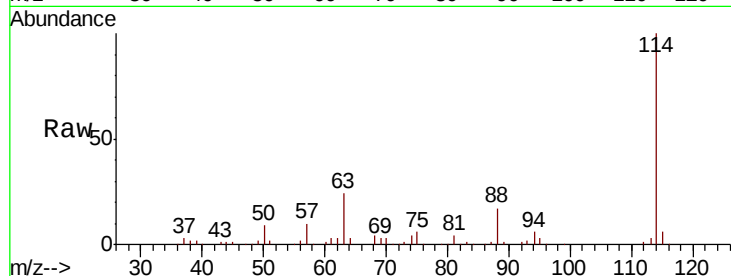




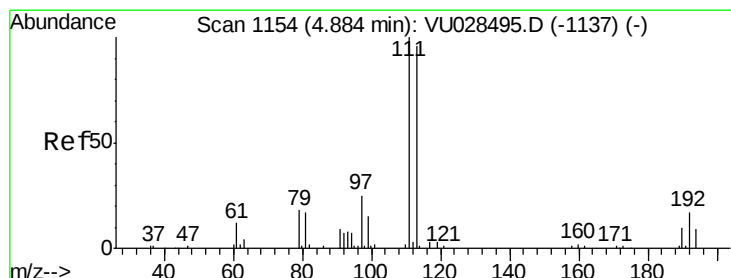
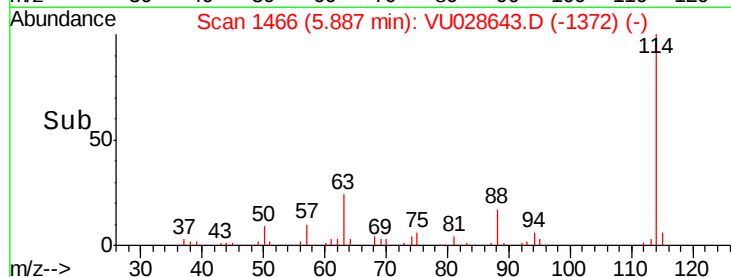
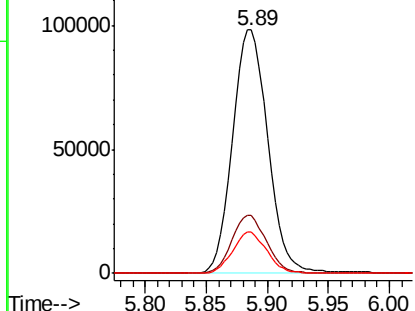
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028643.D
 Acq: 12 Dec 2018 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-RB-181210

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	17.0	0.0	33.4

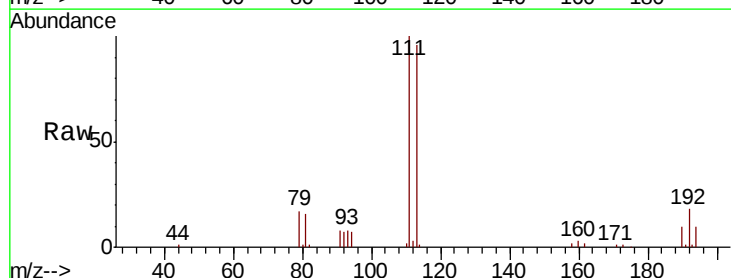


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

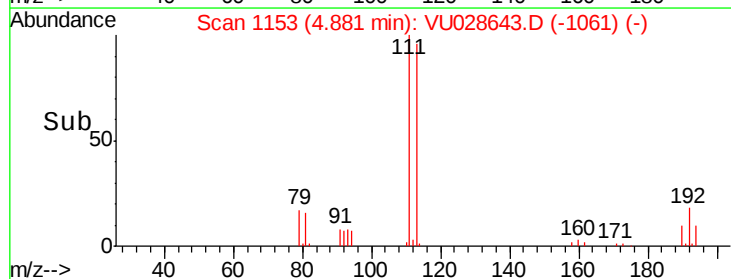
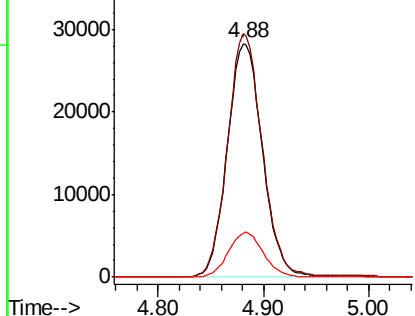


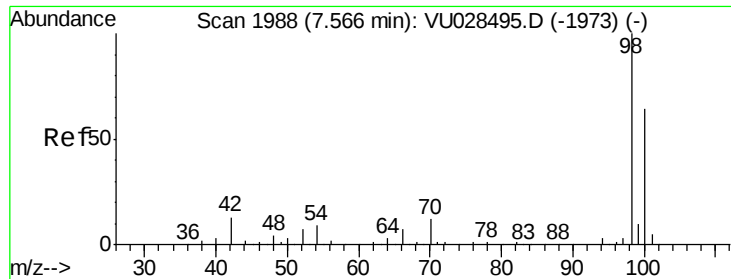
#35
 Dibromofluoromethane
 Concen: 52.737 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028643.D
 Acq: 12 Dec 2018 11:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	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





#50

Toluene-d8

Concen: 51.357 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

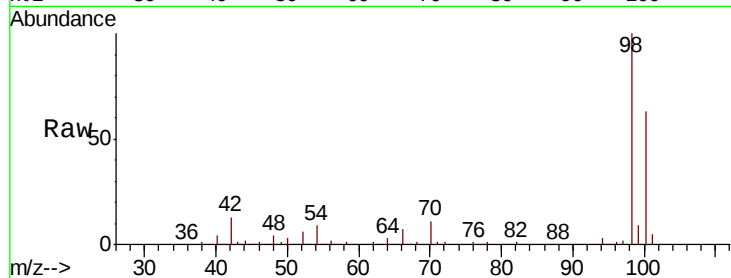
P001-RB-181210

Tot Ion: 98 Resp: 252108

Ion Ratio Lower Upper

98 100

100 63.5 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) (-)

7.57

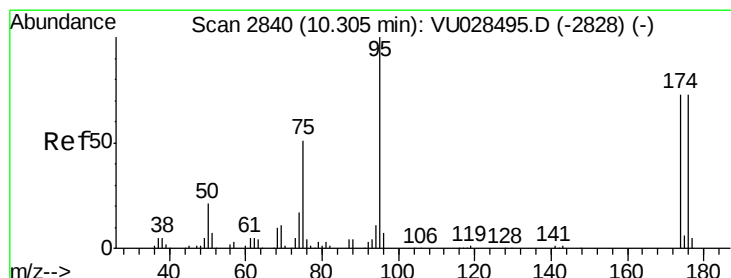
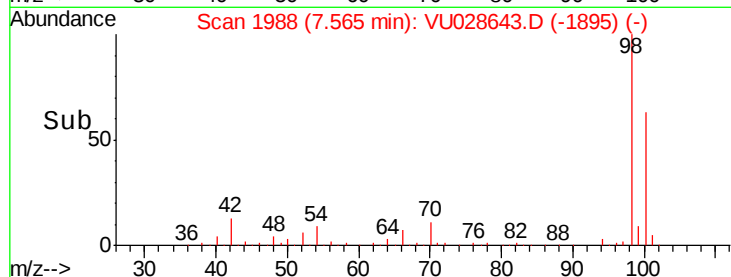
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.435 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

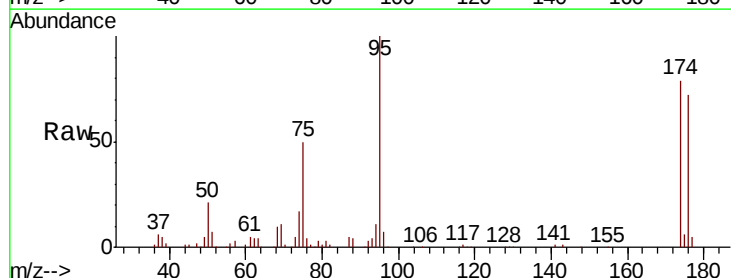
Tgt Ion: 95 Resp: 81529

Ion Ratio Lower Upper

95 100

174 78.4 0.0 150.4

176 73.7 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) (-)

10.30

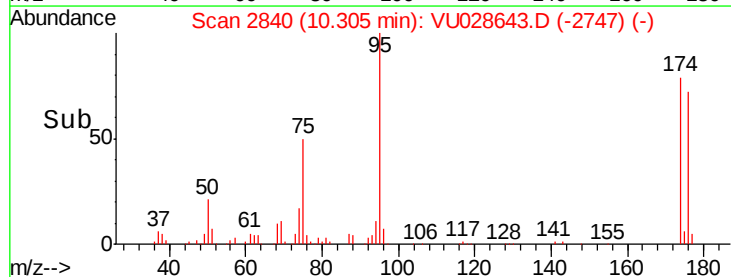
60000

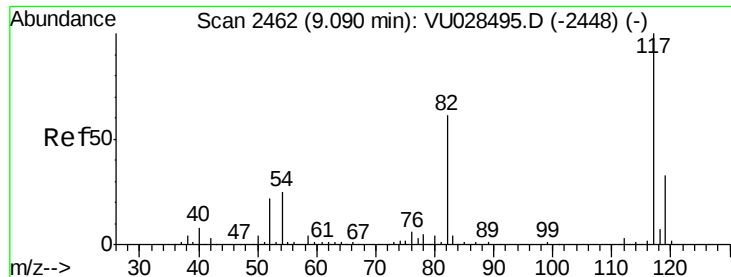
40000

20000

0

Time-->

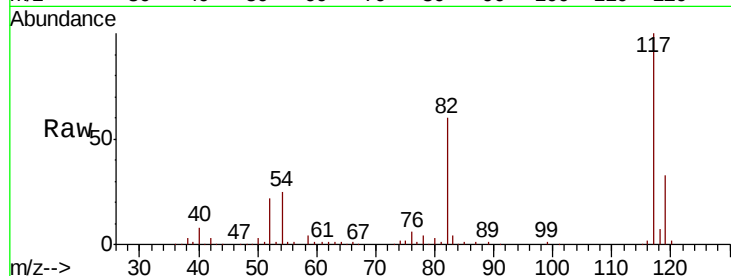




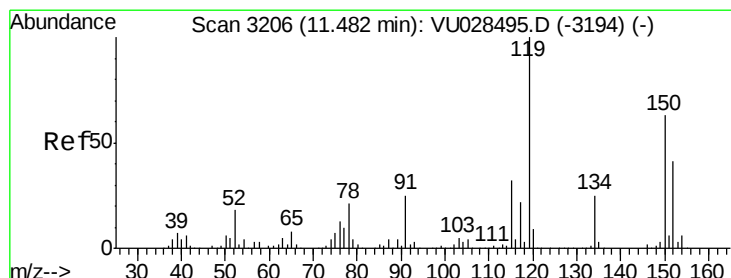
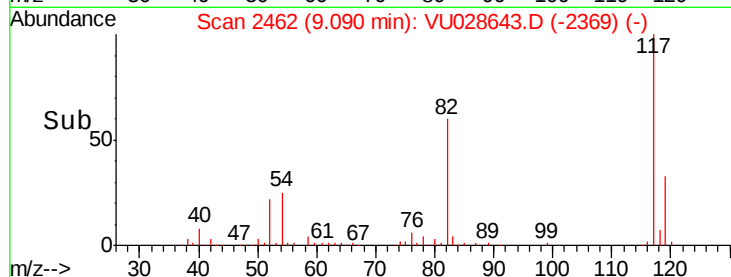
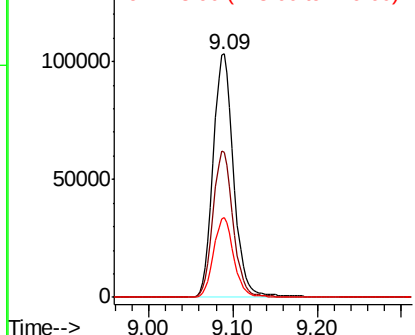
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Instrument :
MSVOA_U
ClientSampleId :
P001-RB-181210

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.9	73.3
119	33.0	26.2	39.4

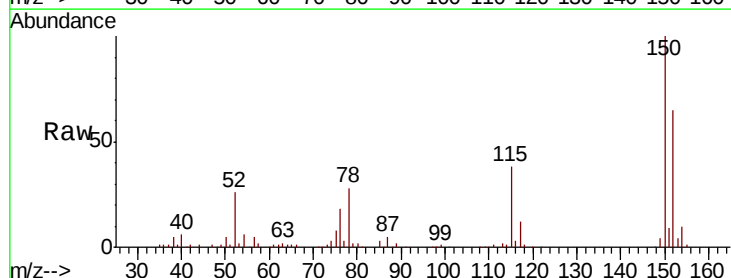


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	42.7	128.1
150	155.6	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

