

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028796.D
 Acq On : 19 Dec 2018 16:09
 Operator : MD/SY
 Sample : J6408-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.PZ139I-20181208

Quant Time: Dec 20 06:27:57 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	121487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207365	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	80616	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	4.88	113	67205	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	7.57	98	260819	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	10.30	95	82725	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	

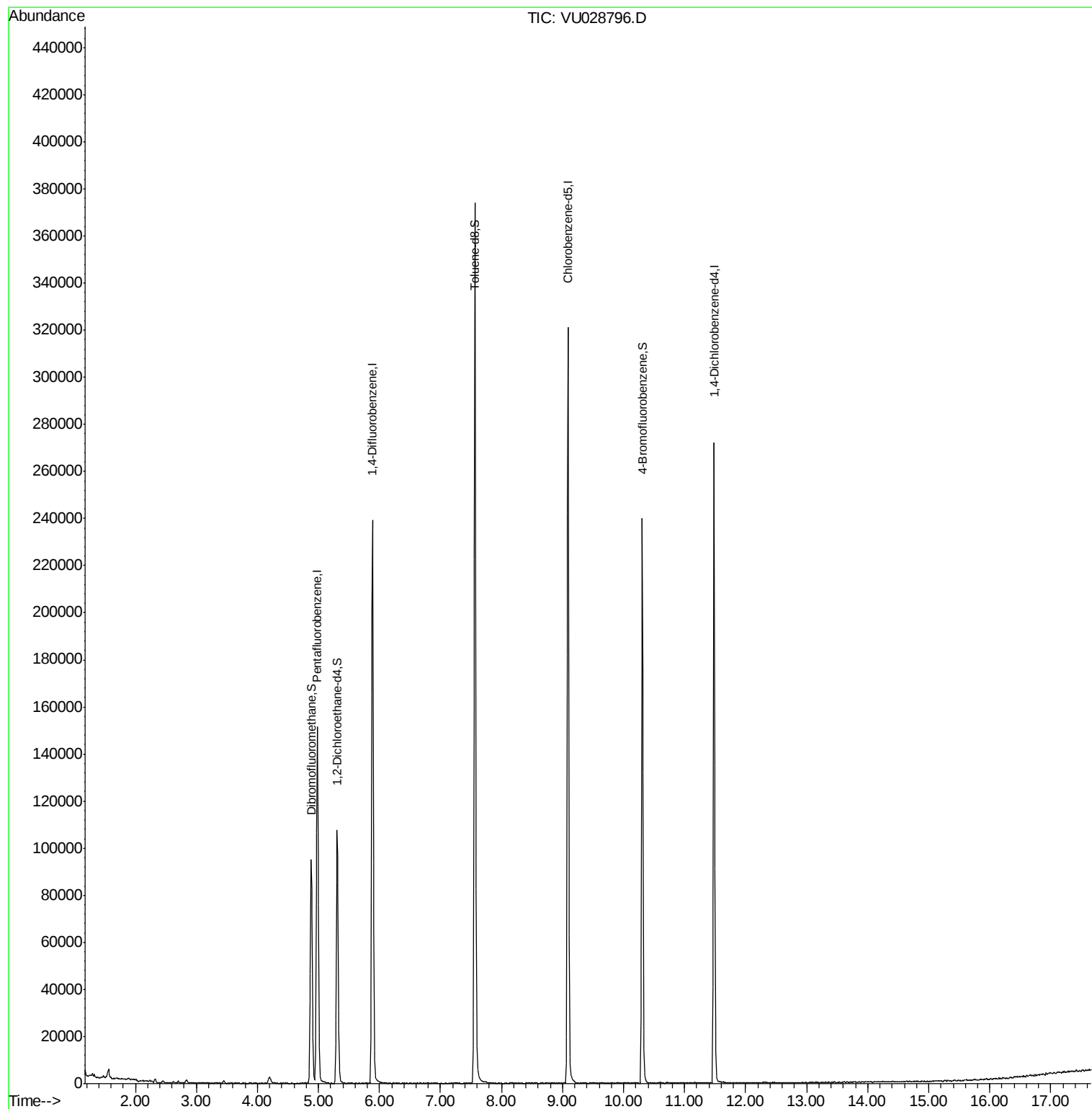
Target Compounds	Qvalue
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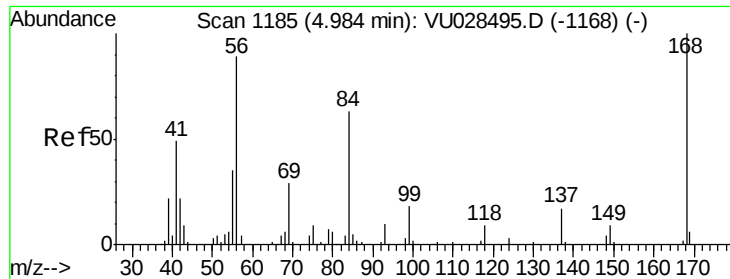
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

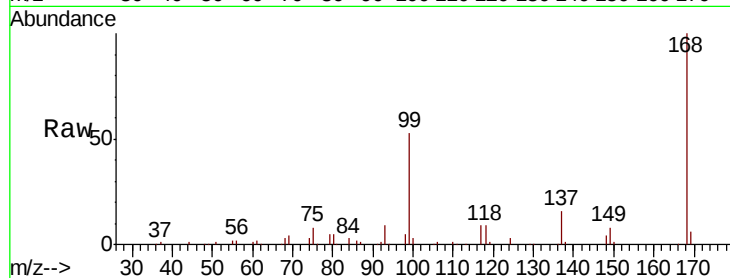
SA.PZ139I-20181208

Tot Ion:168 Resp: 121487

Ion Ratio Lower Upper

168 100

99 53.4 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D

4.98

60000

50000

40000

30000

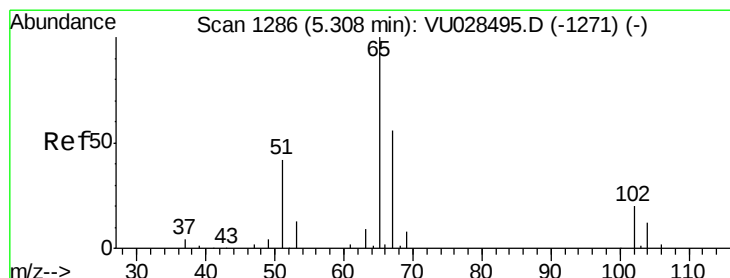
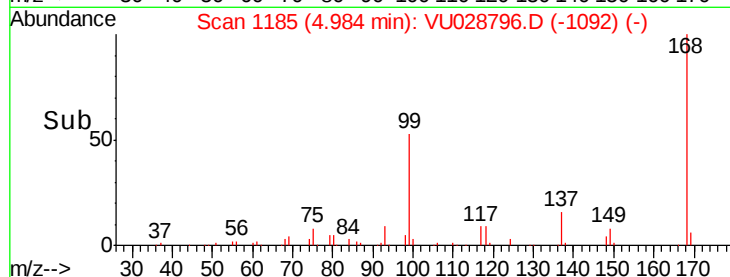
20000

10000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 43.483 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028796.D

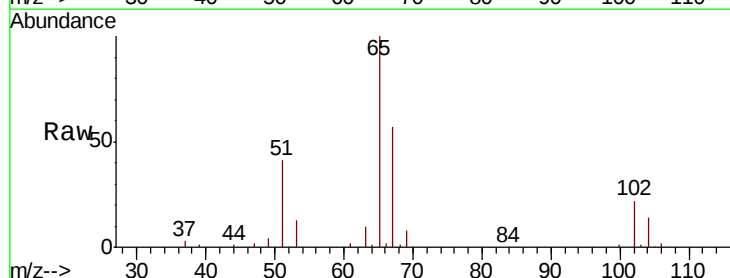
Acq: 19 Dec 2018 16:09

Tgt Ion: 65 Resp: 80616

Ion Ratio Lower Upper

65 100

67 56.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D

Ion 66.90 (66.60 to 67.60): VU028495.D

5.31

40000

30000

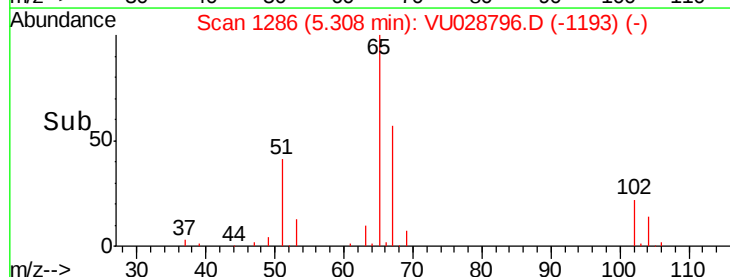
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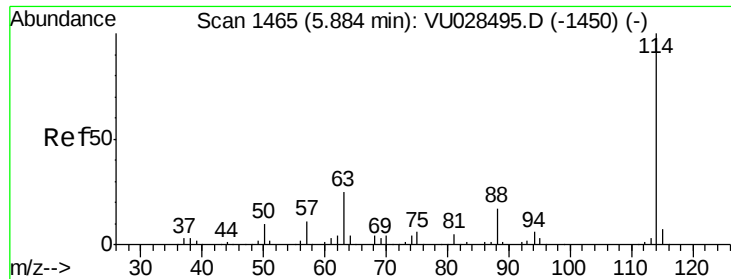
10000

0

5.20 5.25 5.30 5.35 5.40

Time-->

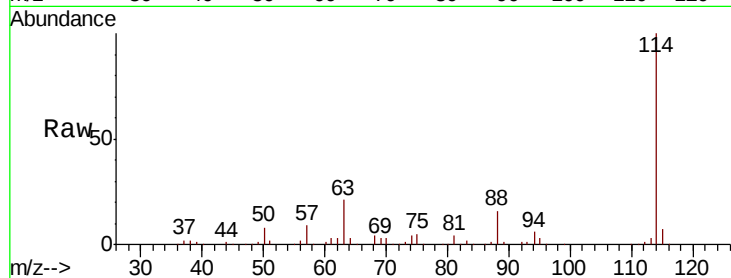




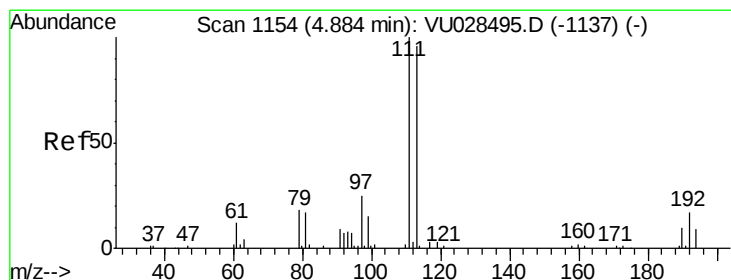
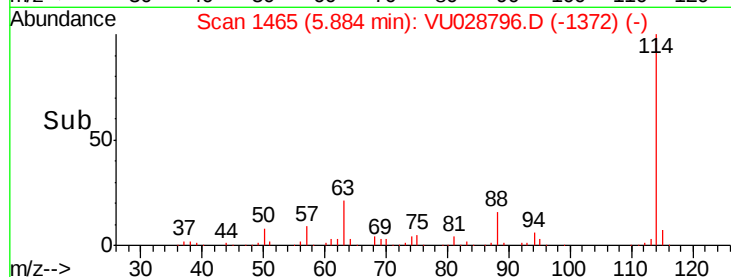
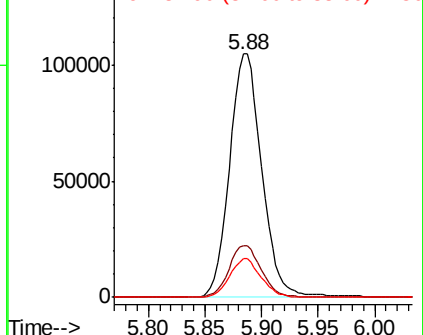
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.PZ139I-20181208

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	49.2
88	15.9	0.0	33.4

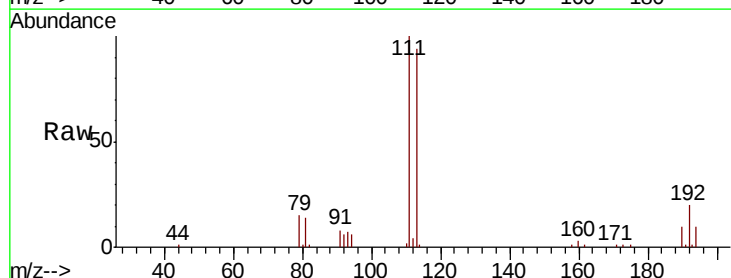


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

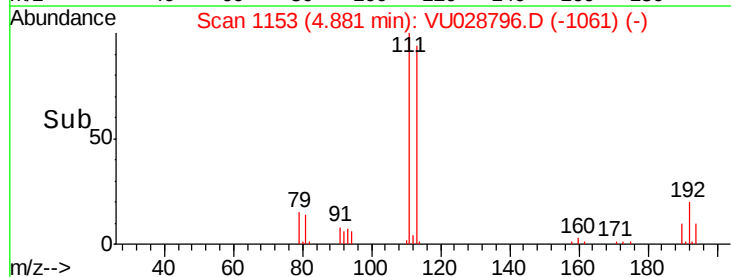
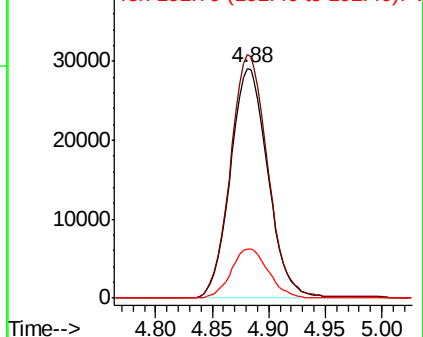


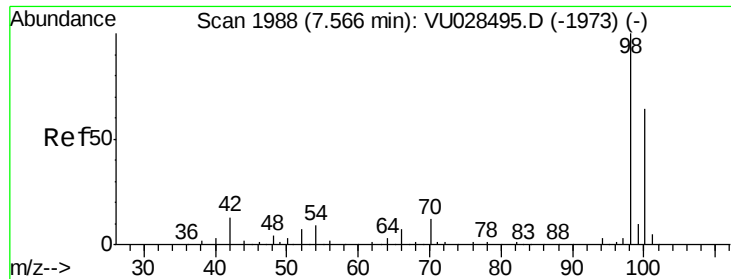
#35
 Dibromofluoromethane
 Concen: 51.500 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.4	125.0
192	21.1	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: 50.525 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

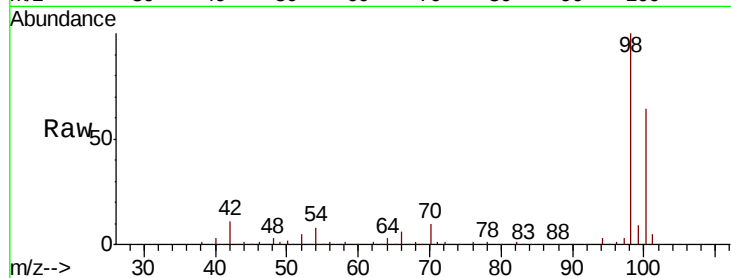
SA.PZ139I-20181208

Tot Ion: 98 Resp: 260819

Ion Ratio Lower Upper

98 100

100 63.8 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

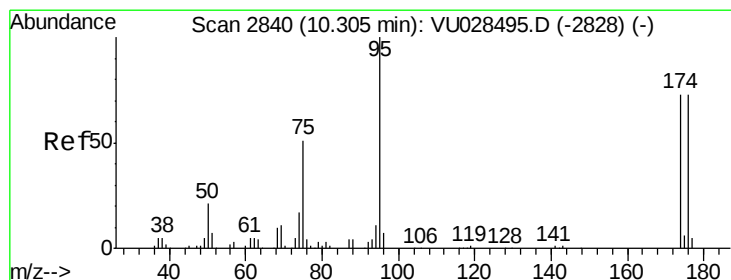
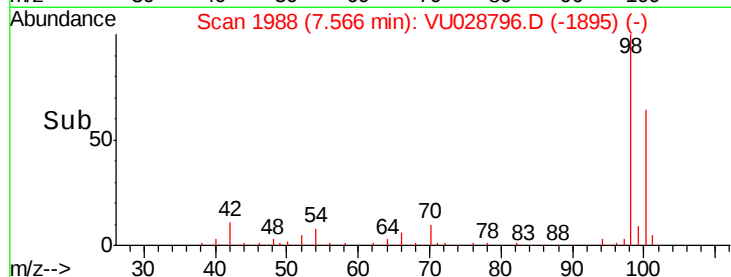
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.875 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

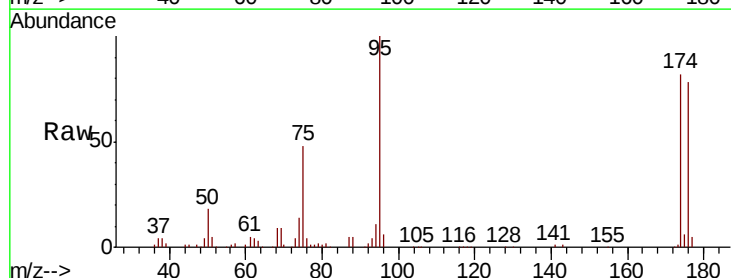
Tgt Ion: 95 Resp: 82725

Ion Ratio Lower Upper

95 100

174 81.7 0.0 150.4

176 78.5 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

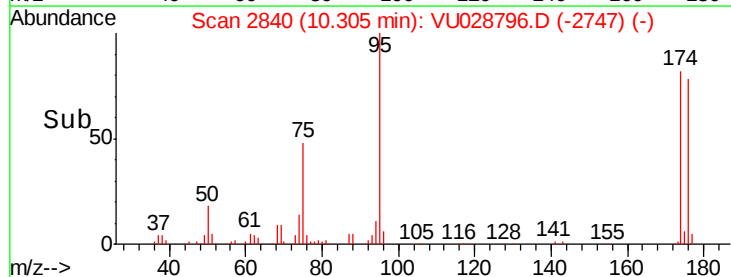
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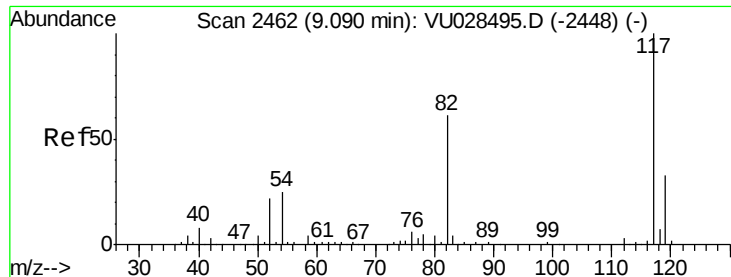
40000

20000

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Time-->

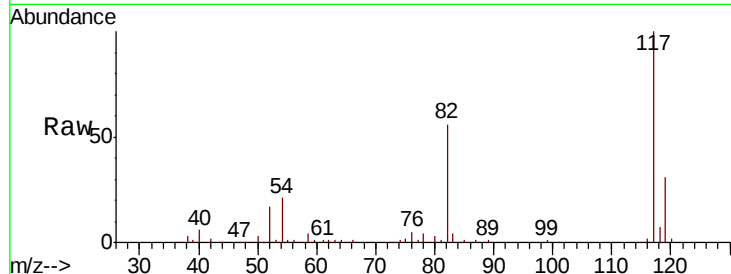




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028796.D
Acq: 19 Dec 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :
SA.PZ139I-20181208

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	48.9	73.3
119	31.4	26.2	39.4

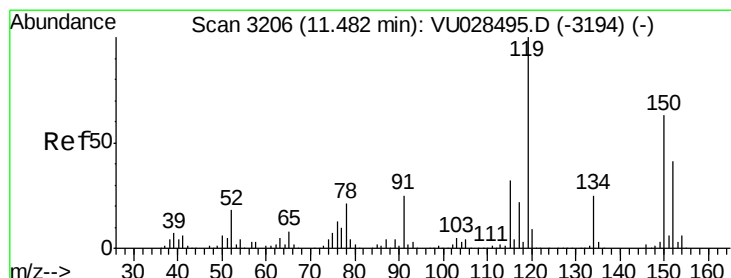
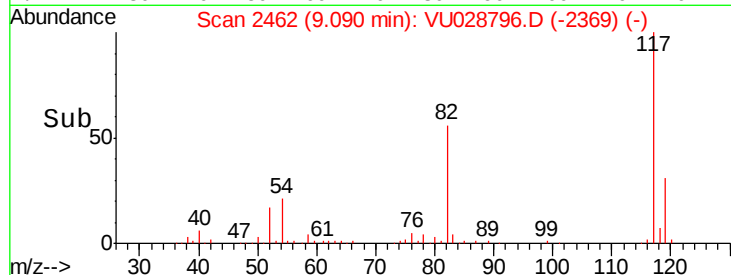
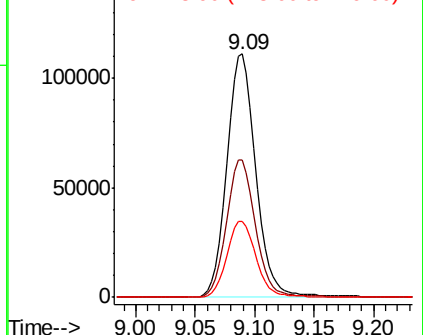


Abundance

Ion 116.90 (116.60 to 117.60): V

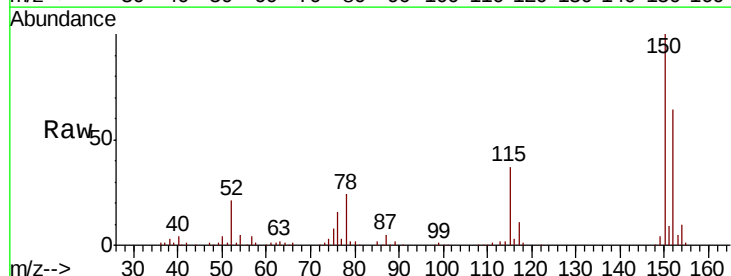
Ion 82.00 (81.70 to 82.70): V

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: VU028796.D
Acq: 19 Dec 2018 16:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	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

