

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032293.D
 Acq On : 19 Jul 2018 18:14
 Operator : SY/AP
 Sample : OC070918 CAN 10656
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 02:09:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1587309	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3237469	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3862001	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3027146	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

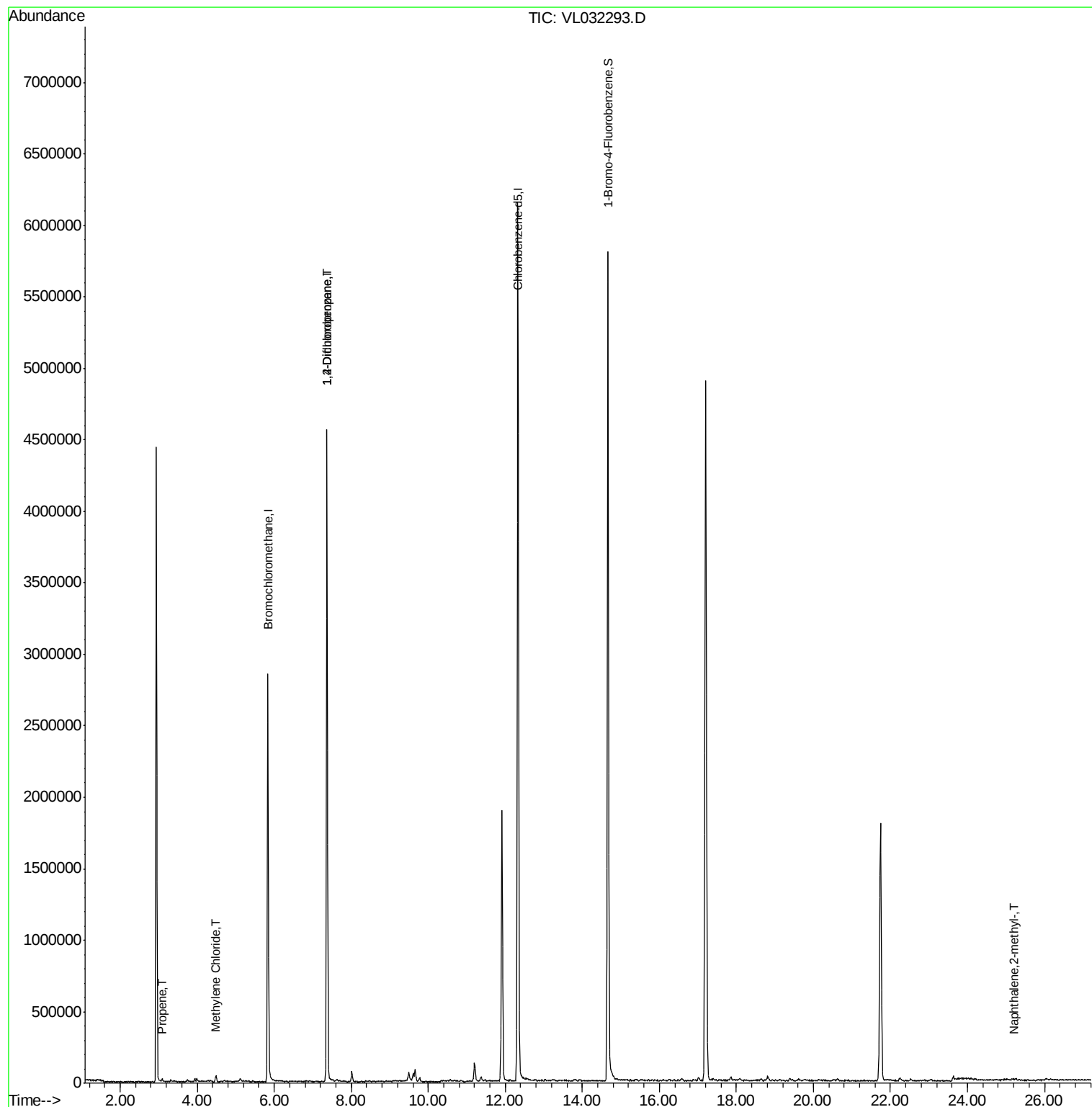
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.09	41	2104	0.027	ppbv	99
20) Methylene Chloride	4.47	84	3004	0.047	ppbv	94
39) 1,2-Dichloropropane	7.37	63	904327	7.168	ppbv #	26
80) Naphthalene,2-methyl-	25.20	142	7011	0.036	ppbv	91

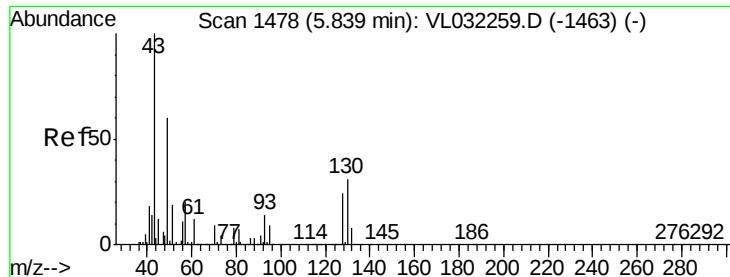
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032293.D

Acq: 19 Jul 2018 18:14

Instrument :
MSVOA_L
ClientSampleId :

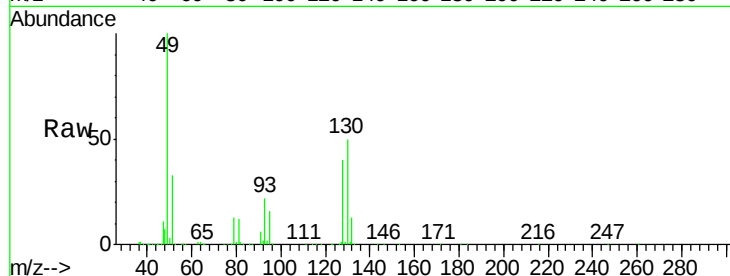
Tot Ion: 49 Resp: 1587309

Ion Ratio Lower Upper

49 100

128 39.3 20.1 60.2

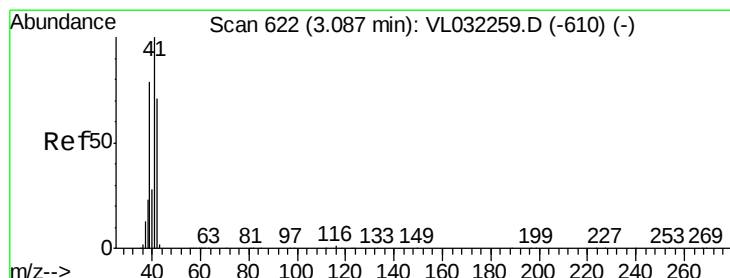
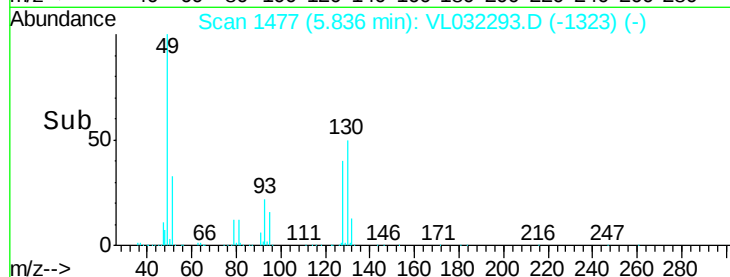
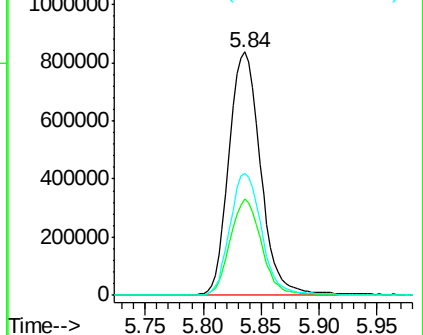
130 50.7 25.9 77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.027 ppbv

RT: 3.09 min Scan# 623

Delta R.T. 0.00 min

Lab File: VL032293.D

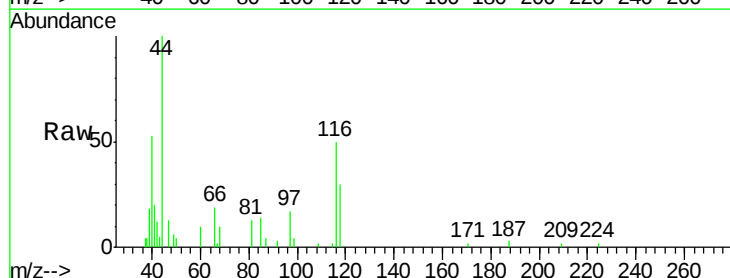
Acq: 19 Jul 2018 18:14

Tgt Ion: 41 Resp: 2104

Ion Ratio Lower Upper

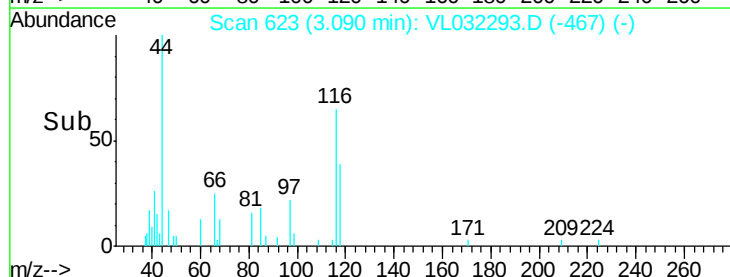
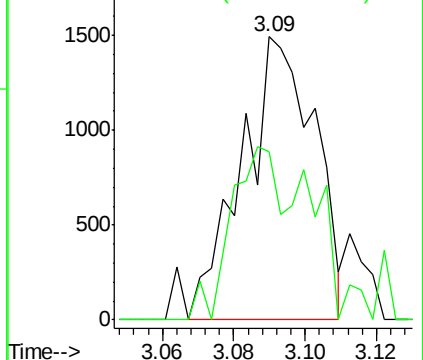
41 100

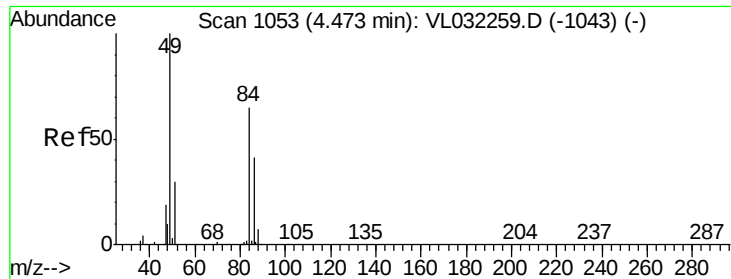
42 70.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

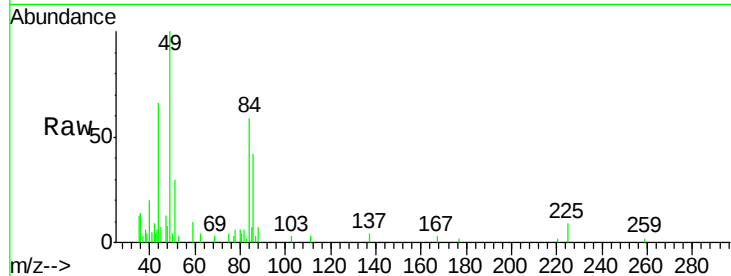




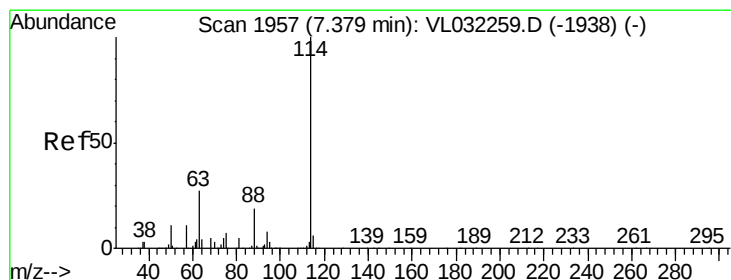
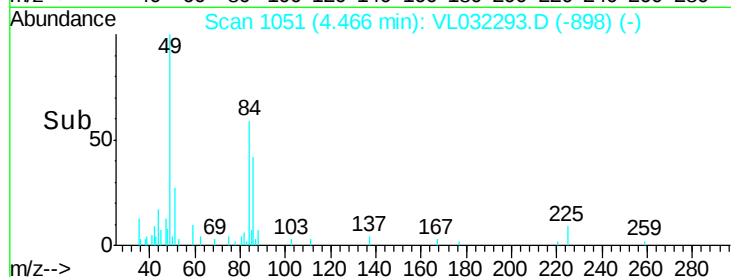
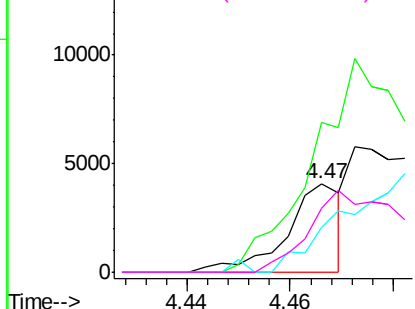
#20
Methylene Chloride
Concen: 0.047 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VL032293.D
Acq: 19 Jul 2018 18:14

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	84	Resp:	3004
Ion	Ratio	Lower	Upper
84	100		
49	158.9	122.4	183.6
51	50.8	36.8	55.2
86	71.6	50.7	76.1

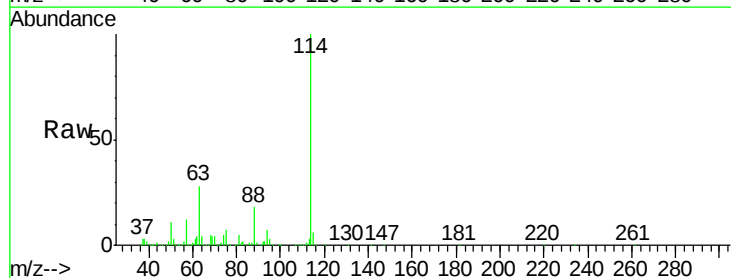


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

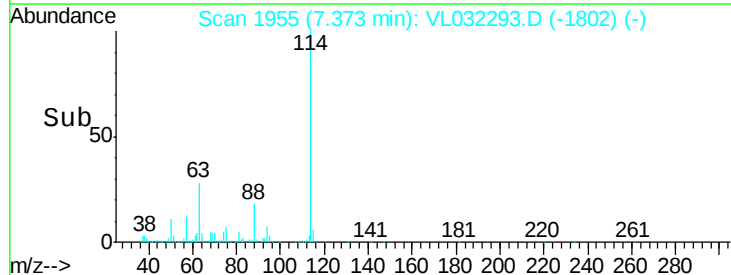
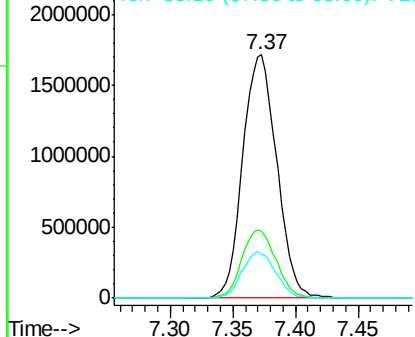


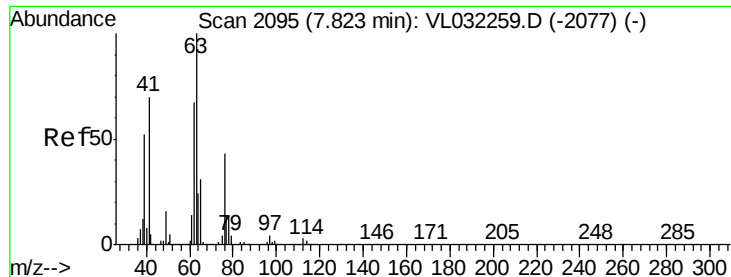
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032293.D
Acq: 19 Jul 2018 18:14

Tgt Ion:	114	Resp:	3237469
Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.6	33.8
88	18.9	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.168 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.45 min

Lab File: VL032293.D

Acq: 19 Jul 2018 18:14

Instrument :

MSVOA_L

ClientSampleId :

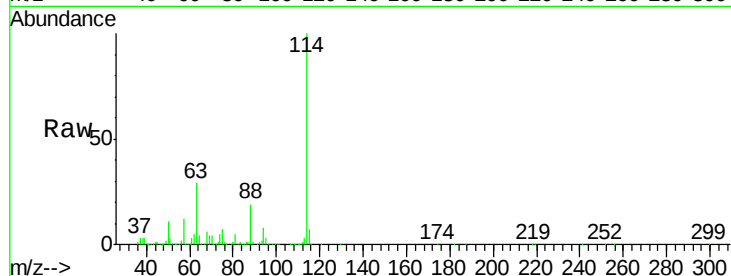
Tot Ion: 63 Resp: 904327

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

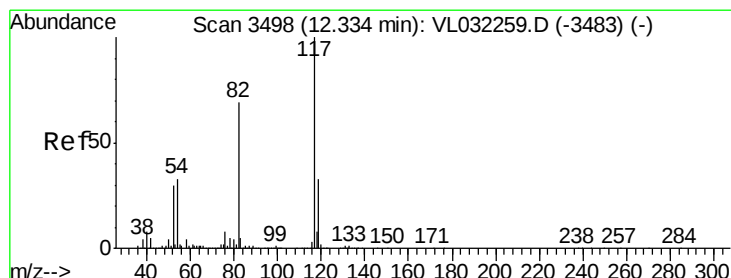
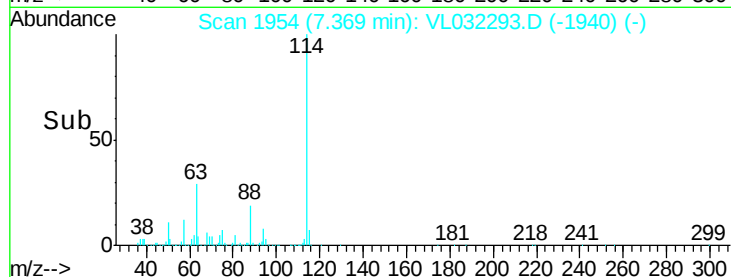
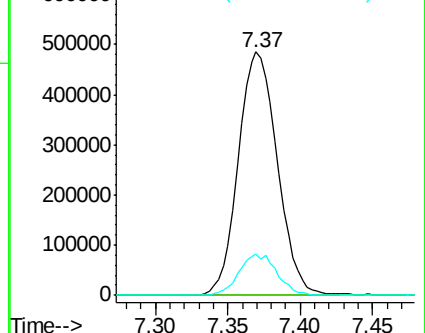
62 16.9 53.8 80.8#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3496

Delta R.T. -0.01 min

Lab File: VL032293.D

Acq: 19 Jul 2018 18:14

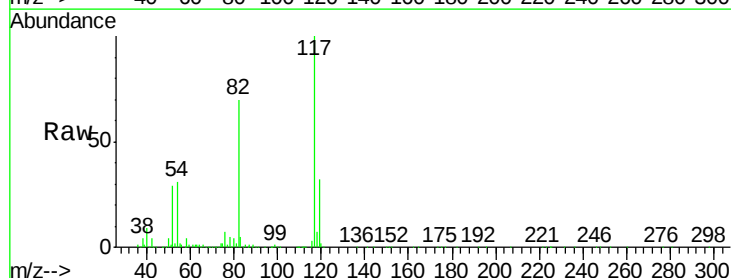
Tgt Ion: 117 Resp: 3862001

Ion Ratio Lower Upper

117 100

82 69.4 53.9 80.9

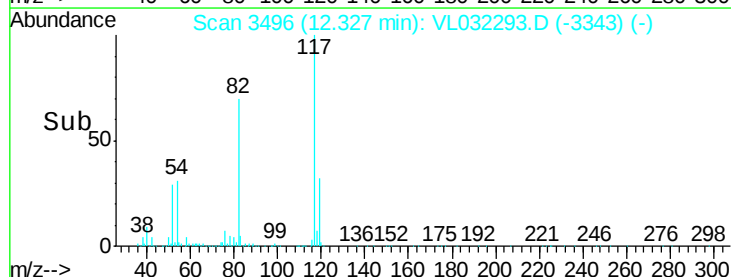
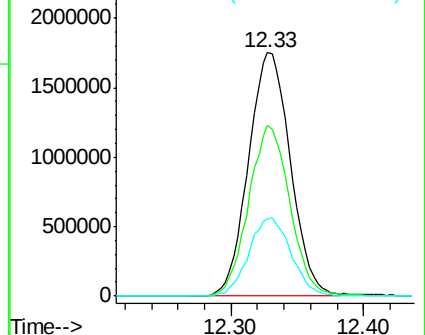
119 32.6 25.5 38.3

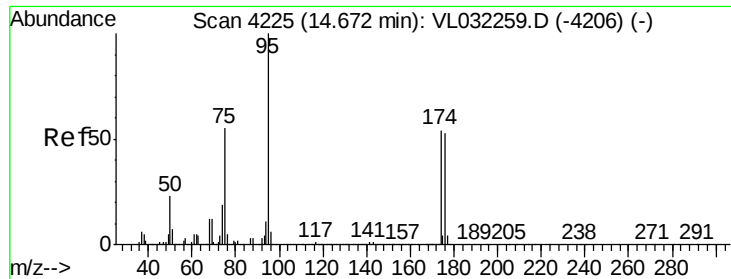


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

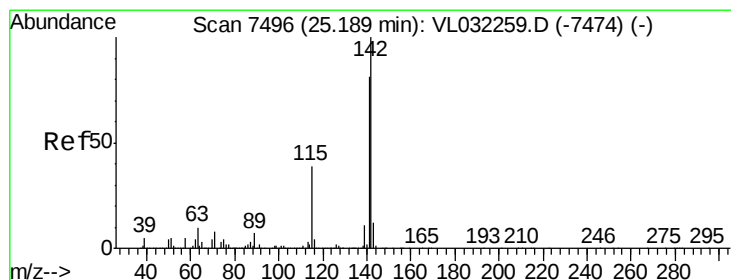
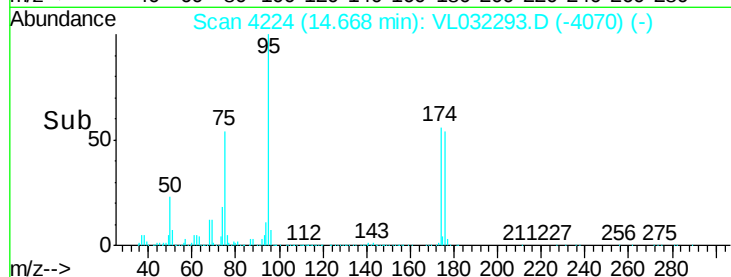
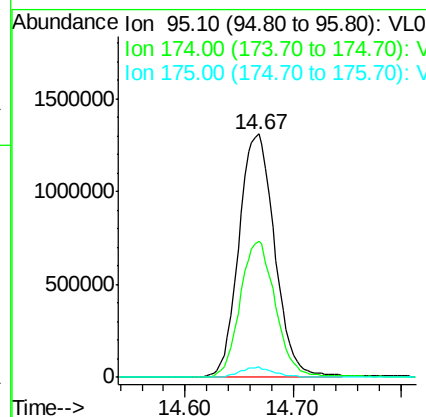
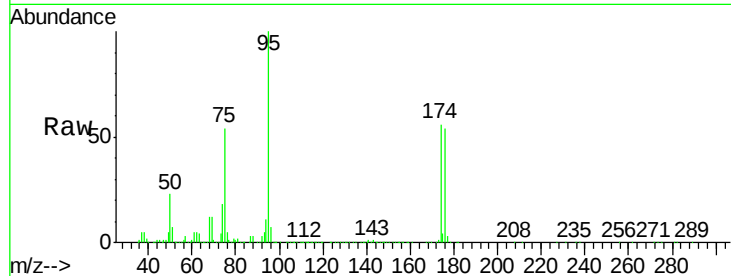




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.668 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: VL032293.D
 Acq: 19 Jul 2018 18:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 3027146
 Ion Ratio Lower Upper
 95 100
 174 56.1 44.3 66.5
 175 4.0 3.3 4.9



#80
 Naphthalene, 2-methyl-
 Concen: 0.036 ppbv
 RT: 25.20 min Scan# 7498
 Delta R.T. 0.01 min
 Lab File: VL032293.D
 Acq: 19 Jul 2018 18:14

Tgt Ion: 142 Resp: 7011
 Ion Ratio Lower Upper
 142 100
 141 75.0 67.1 100.7
 115 44.4 32.5 48.7

