

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032267.D
 Acq On : 18 Jul 2018 19:08
 Operator : SY/AP
 Sample : VL0718ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 01:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1711963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3603285	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4220978	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3344247	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

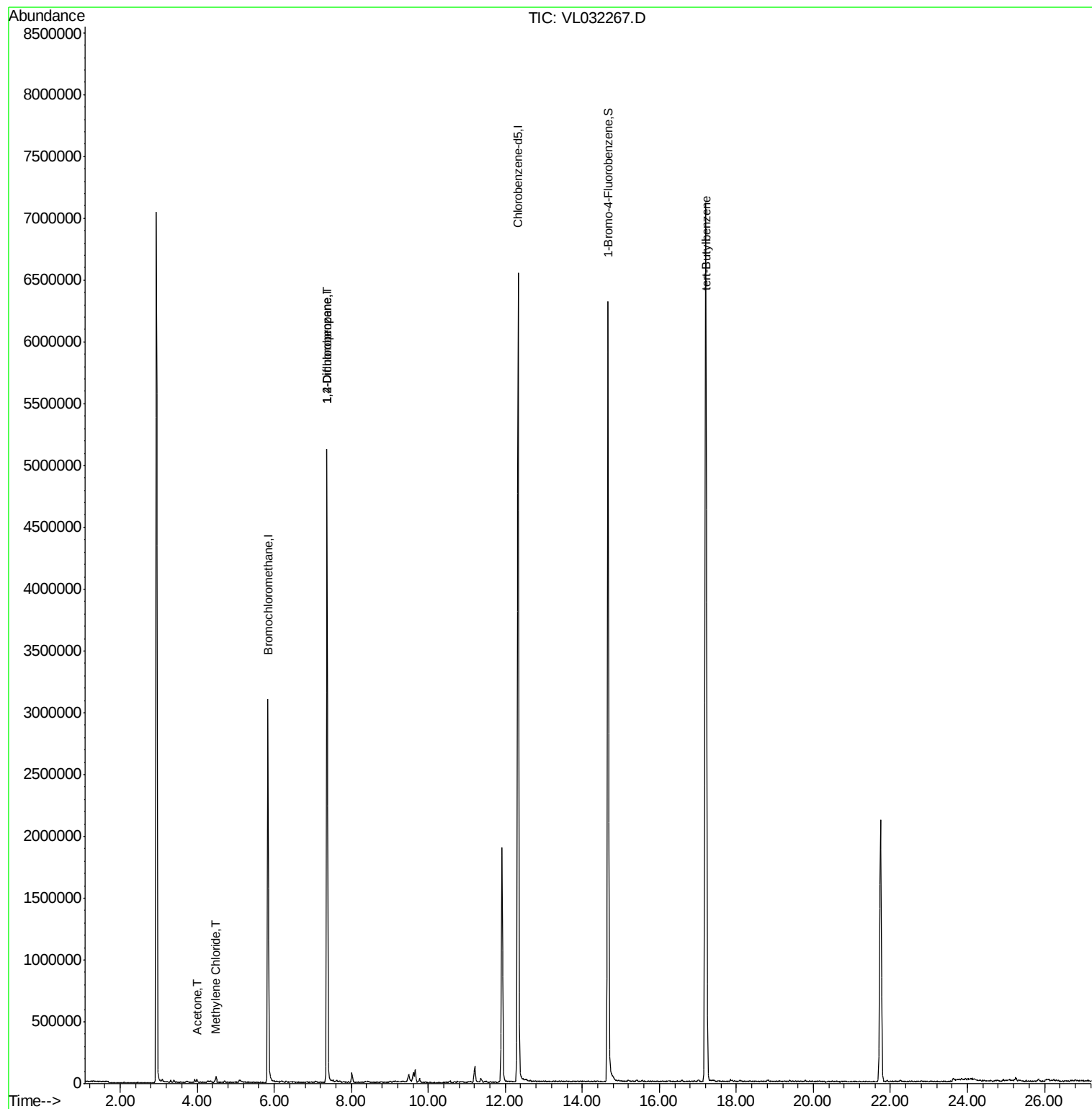
Target Compounds					Ovalue
15) Acetone	4.00	43	25833	0.144	ppbv # 82
20) Methylene Chloride	4.47	84	2489	0.036	ppbv # 74
39) 1,2-Dichloropropane	7.37	63	1026442	7.310	ppbv # 26
65) tert-Butylbenzene	17.20	119	153466	0.249	ppbv # 27

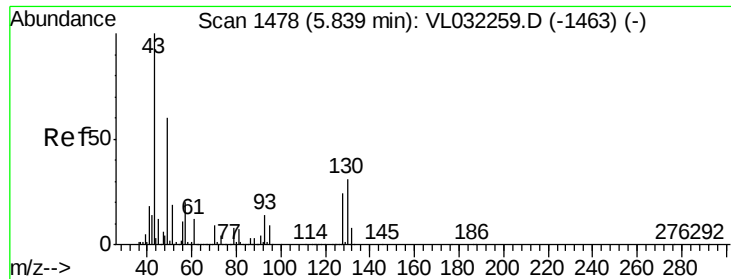
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032267.D

Acq: 18 Jul 2018 19:08

Instrument :

MSVOA_L

ClientSampleId :

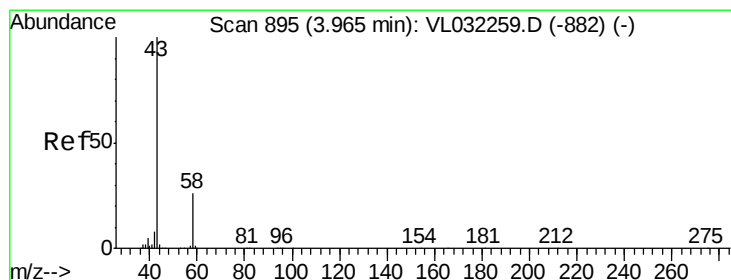
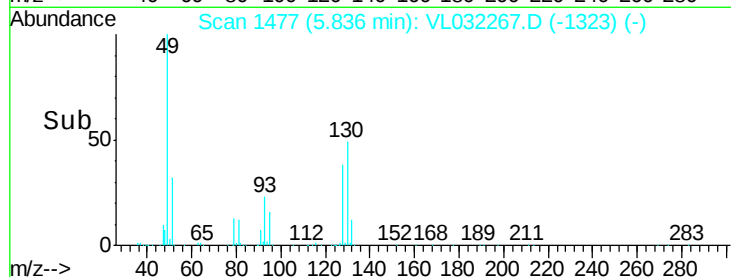
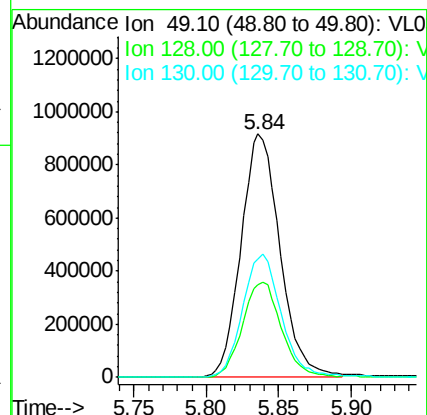
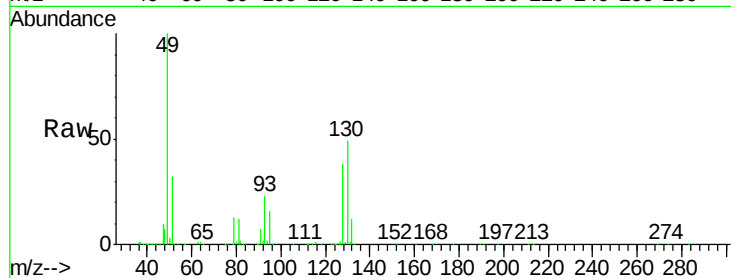
Tot Ion: 49 Resp: 1711963

Ion Ratio Lower Upper

49 100

128 40.3 20.1 60.2

130 50.9 25.9 77.6



#15

Acetone

Concen: 0.144 ppbv

RT: 4.00 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL032267.D

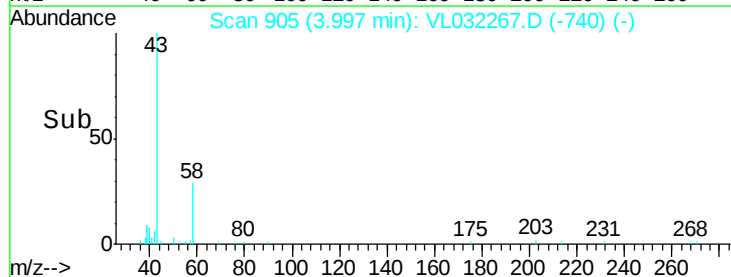
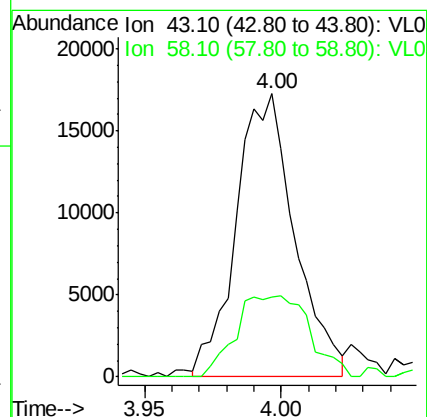
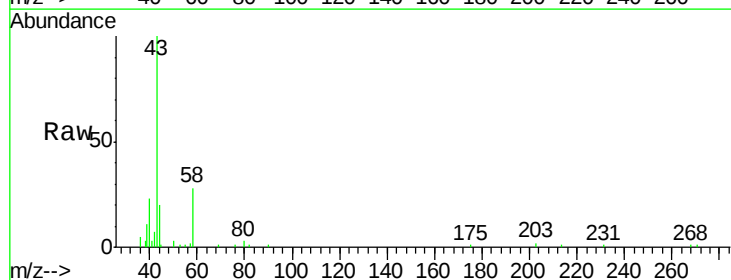
Acq: 18 Jul 2018 19:08

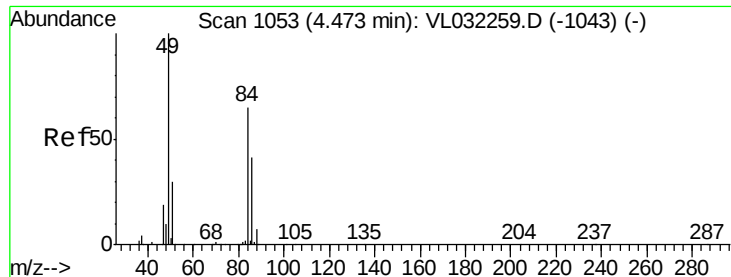
Tgt Ion: 43 Resp: 25833

Ion Ratio Lower Upper

43 100

58 36.5 21.8 32.6#

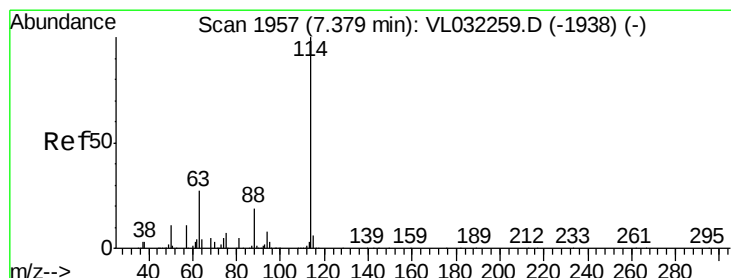
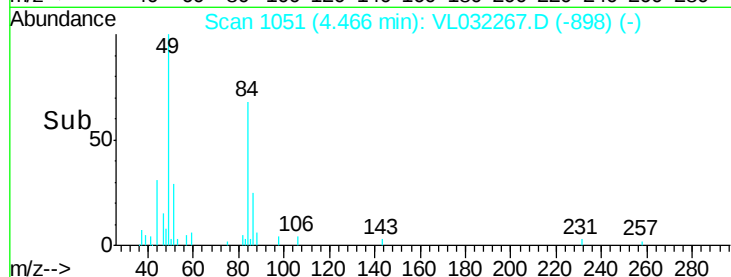
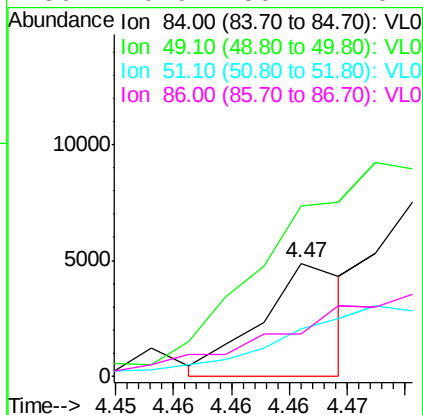
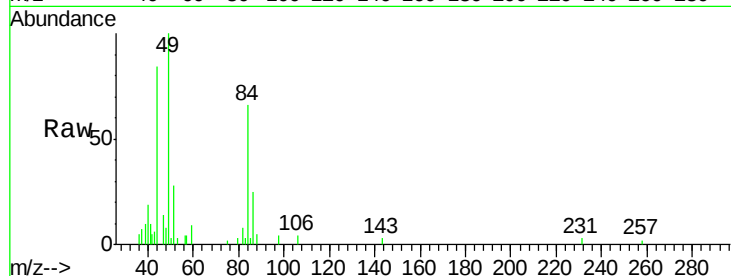




#20
Methvlene Chloride
Concen: 0.036 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VL032267.D
Acq: 18 Jul 2018 19:08

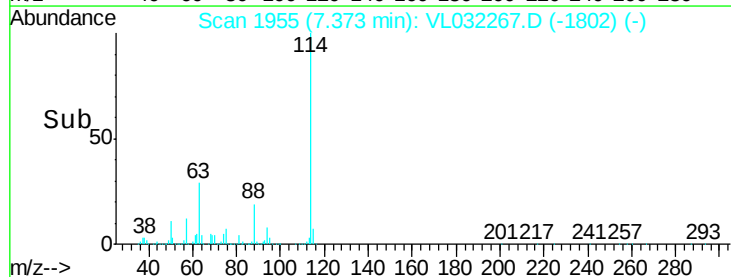
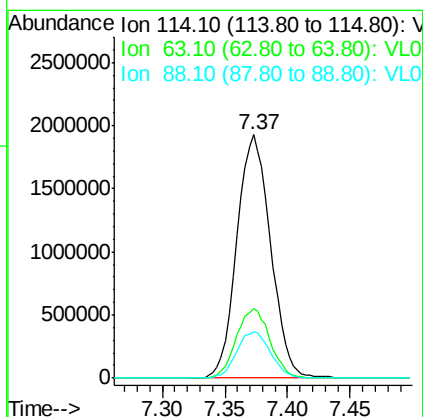
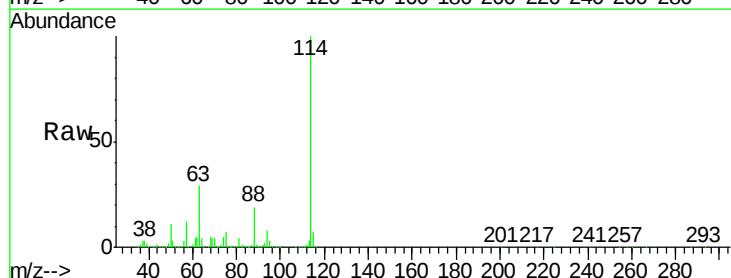
Instrument :
MSVOA_L
ClientSampleId :

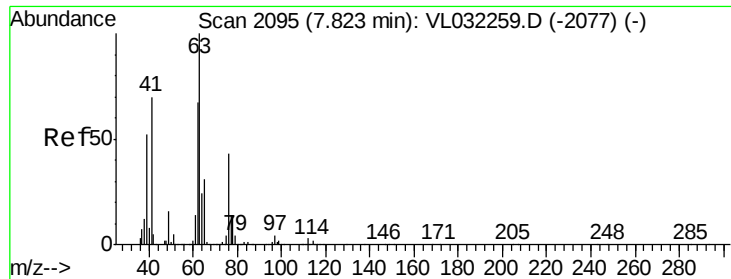
Tot Ion: 84 Resp: 2489
Ion Ratio Lower Upper
84 100
49 132.4 122.4 183.6
51 35.0 36.8 55.2#
86 19.9 50.7 76.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032267.D
Acq: 18 Jul 2018 19:08

Tgt Ion: 114 Resp: 3603285
Ion Ratio Lower Upper
114 100
63 28.6 22.6 33.8
88 19.2 15.2 22.8





#39

1,2-Dichloropropane

Concen: 7.310 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.45 min

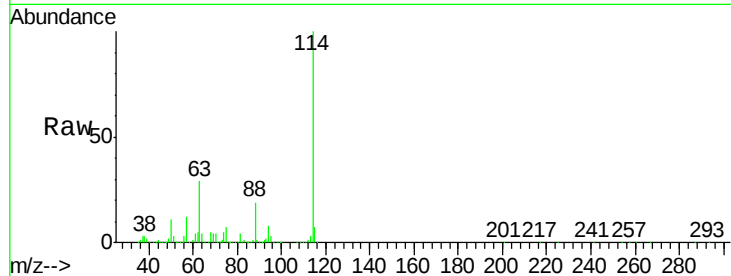
Lab File: VL032267.D

Acq: 18 Jul 2018 19:08

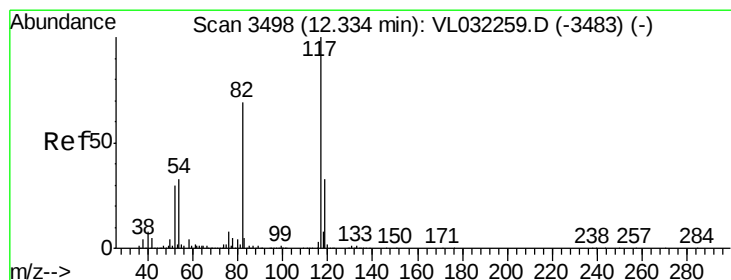
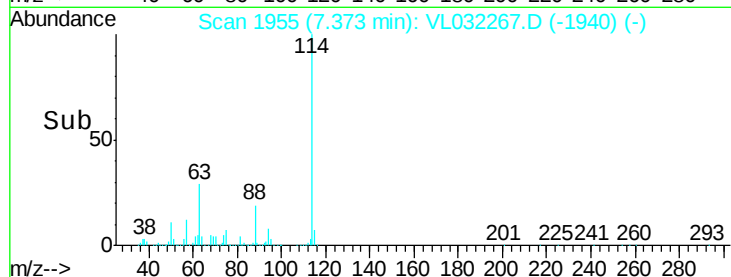
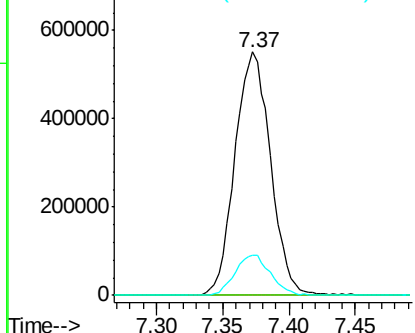
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 63 Resp: 1026442

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.8	83.6#
62	16.6	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

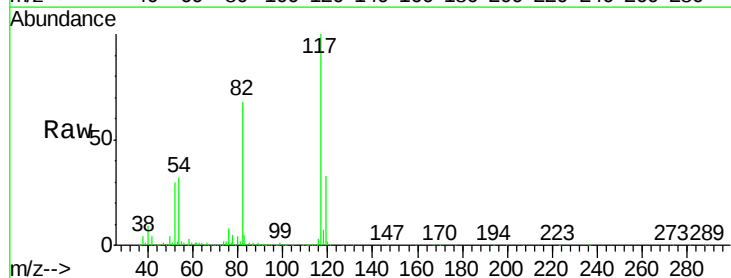
Delta R.T. -0.01 min

Lab File: VL032267.D

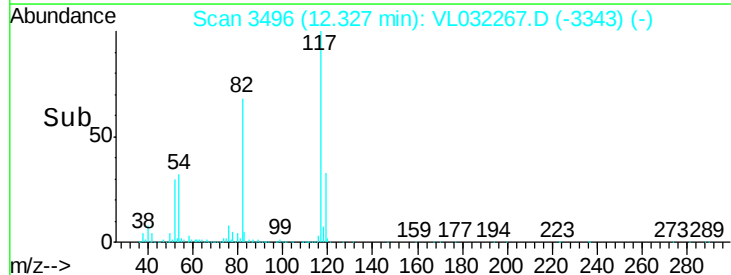
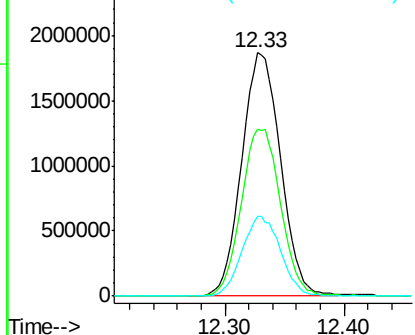
Acq: 18 Jul 2018 19:08

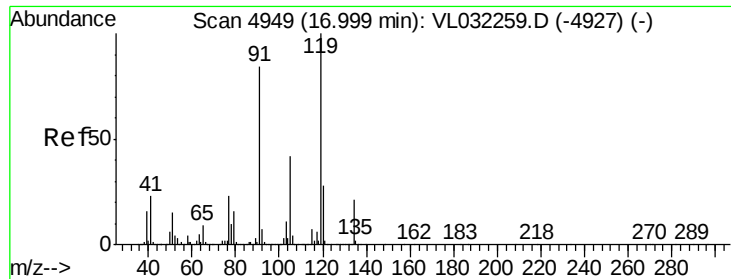
Tgt Ion: 117 Resp: 4220978

Ion	Ratio	Lower	Upper
117	100		
82	69.9	53.9	80.9
119	32.8	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

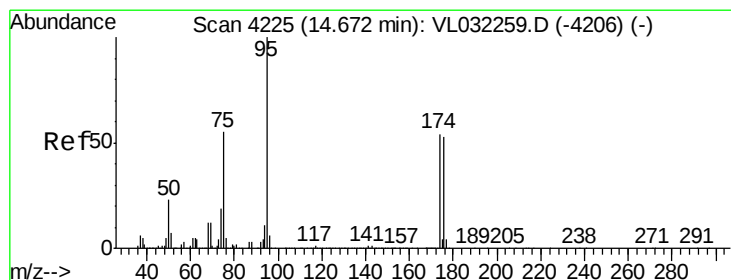
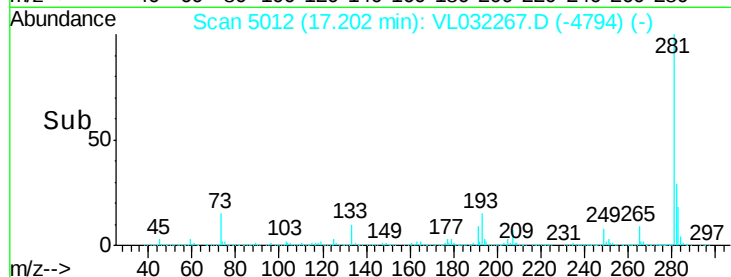
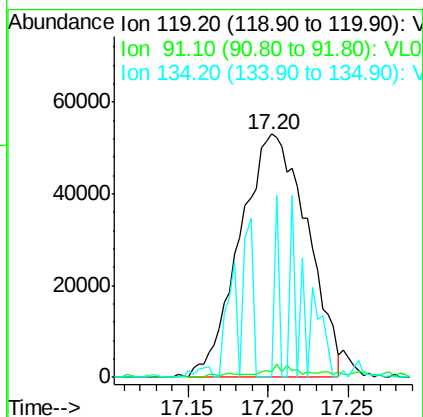
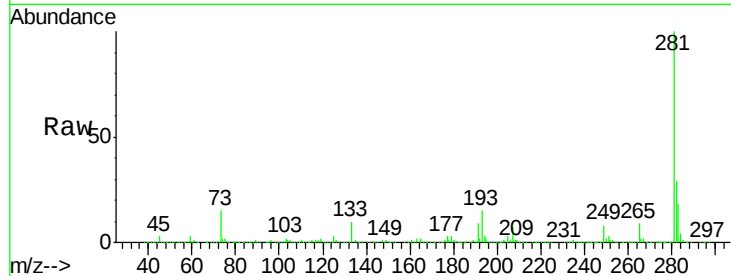




#65
 tert-Butylbenzene
 Concen: 0.249 ppbv
 RT: 17.20 min Scan# 5012
 Delta R.T. 0.20 min
 Lab File: VL032267.D
 Acq: 18 Jul 2018 19:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 153466
 Ion Ratio Lower Upper
 119 100
 91 4.5 68.2 102.4#
 134 21.1 15.6 23.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.772 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: VL032267.D
 Acq: 18 Jul 2018 19:08

Tgt Ion: 95 Resp: 3344247
 Ion Ratio Lower Upper
 95 100
 174 55.6 44.3 66.5
 175 3.9 3.3 4.9

