

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
 Data File : VL033201.D
 Acq On : 14 Feb 2019 16:23
 Operator : SY/AP
 Sample : VL0214ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 15 04:16:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019

QLast Update : Wed Feb 06 09:13:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	924233	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2115108	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	1128577	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1739301	20.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	200.10%#

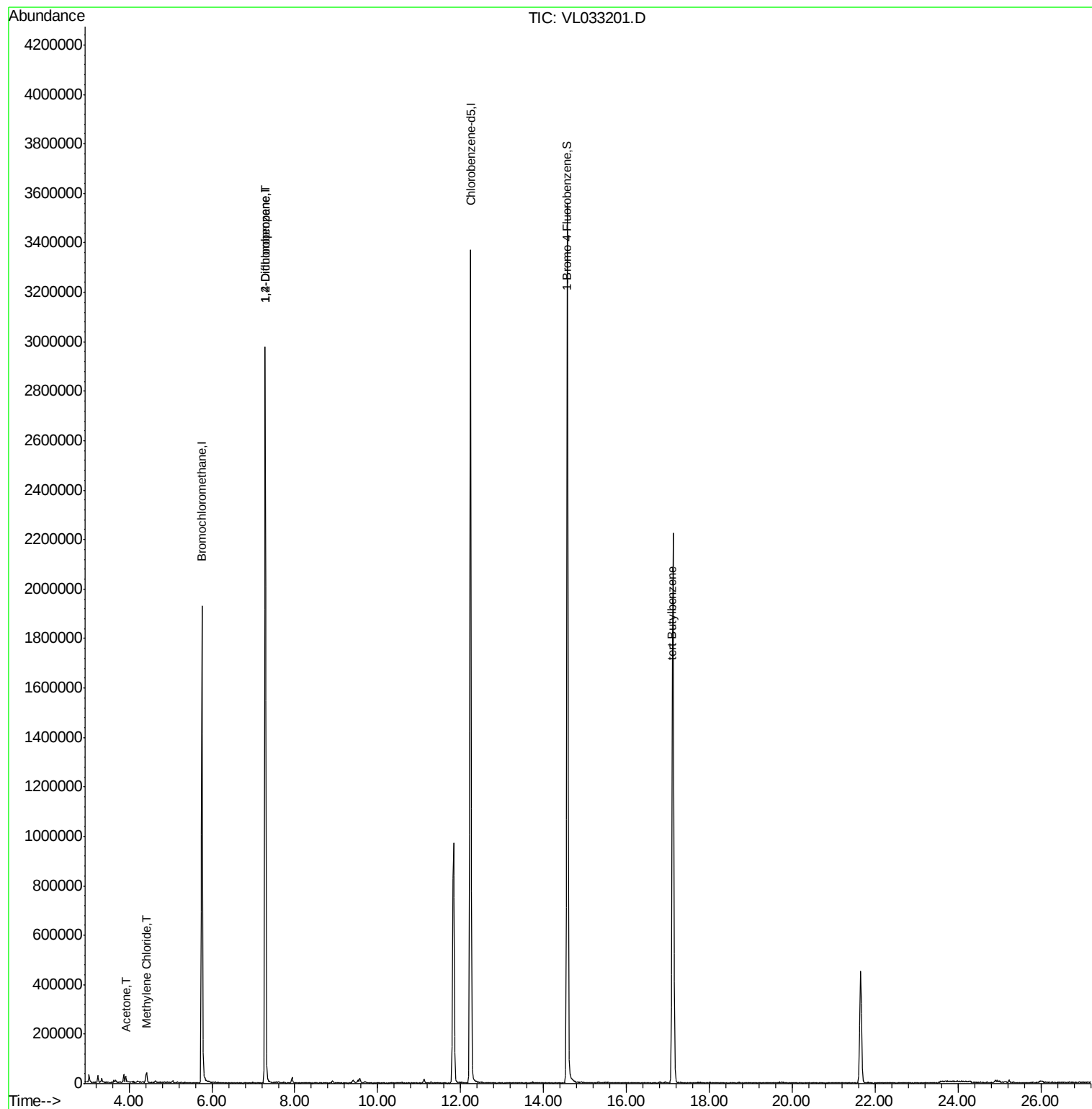
Target Compounds

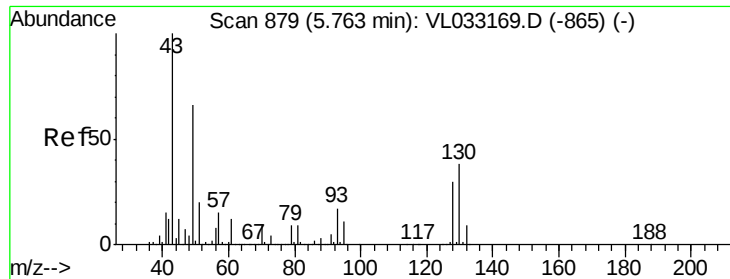
	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.92	43	20639	0.198	ppbv #	80
20) Methylene Chloride	4.41	84	9249	0.223	ppbv #	86
39) 1,2-Dichloropropane	7.28	63	564768	6.671	ppbv #	25
65) tert-Butylbenzene	17.09	119	5779	0.032	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

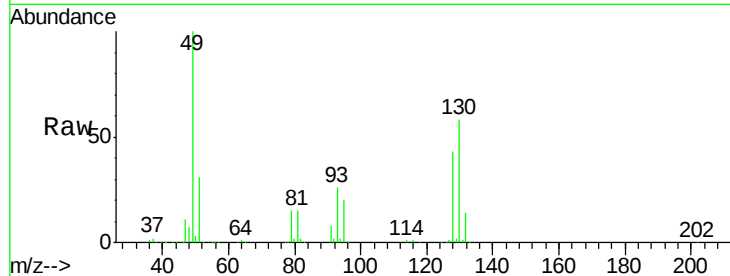
Tgt Ion: 49 Resp: 924233

Ion Ratio Lower Upper

49 100

128 45.3 23.6 71.0

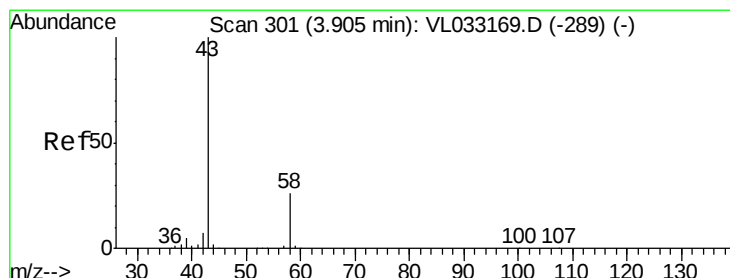
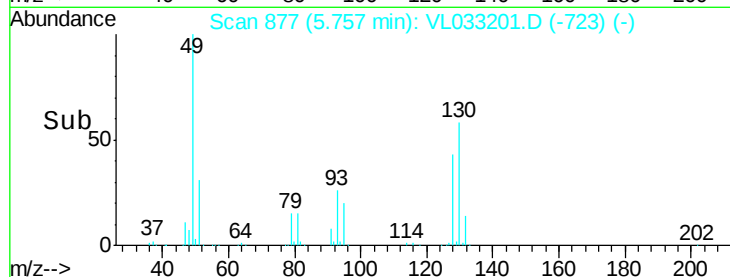
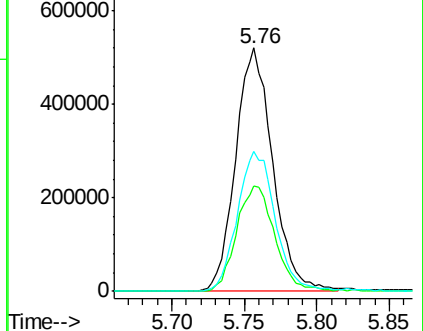
130 59.8 30.3 91.0



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



#15

Acetone

Concen: 0.198 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033201.D

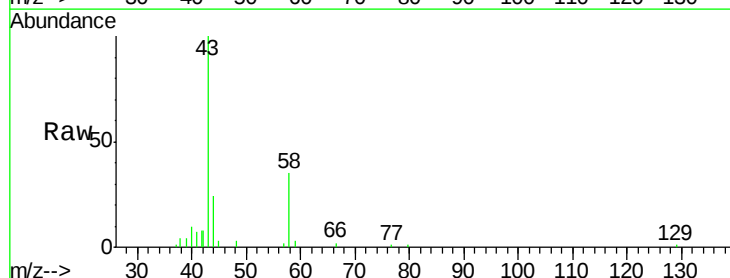
Acq: 14 Feb 2019 16:23

Tgt Ion: 43 Resp: 20639

Ion Ratio Lower Upper

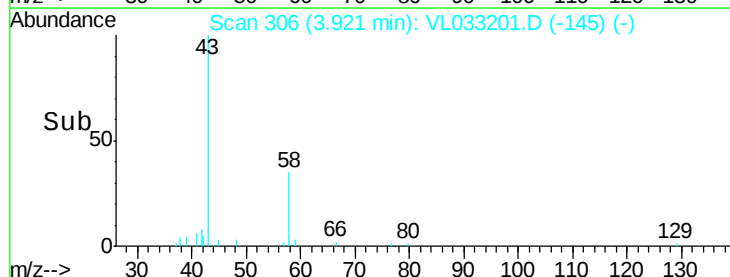
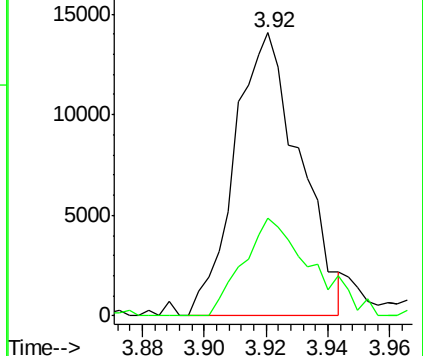
43 100

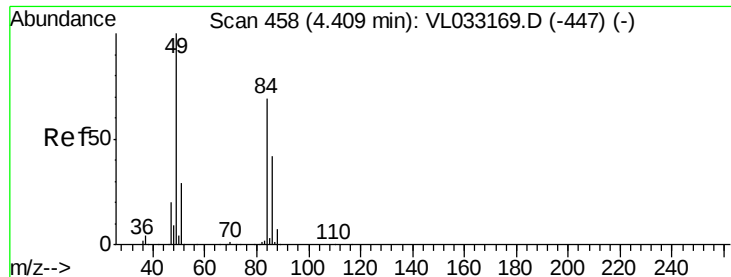
58 36.4 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.223 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

Tgt Ion: 84 Resp: 9249

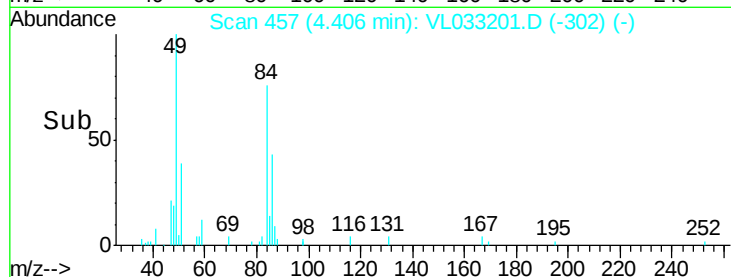
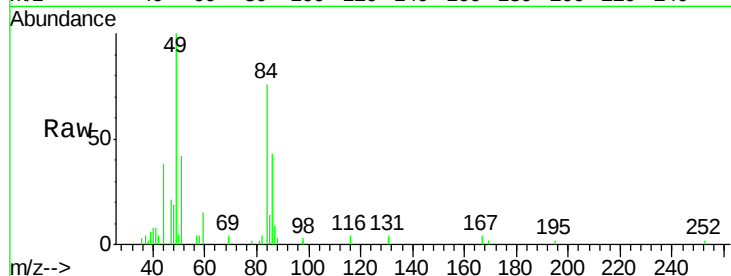
Ion Ratio Lower Upper

84 100

49 126.7 115.8 173.8

51 55.7 33.0 49.6#

86 56.6 48.2 72.2

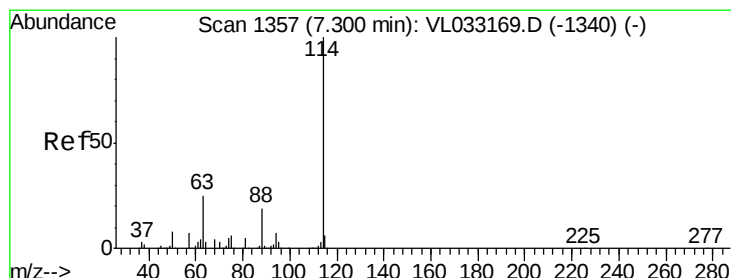
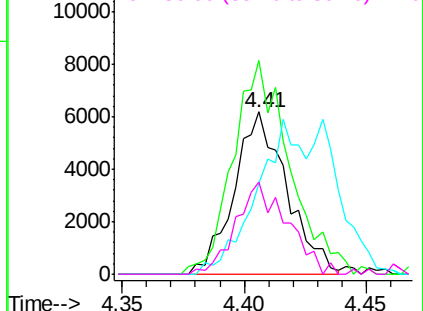


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.28 min Scan# 1352

Delta R.T. -0.02 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

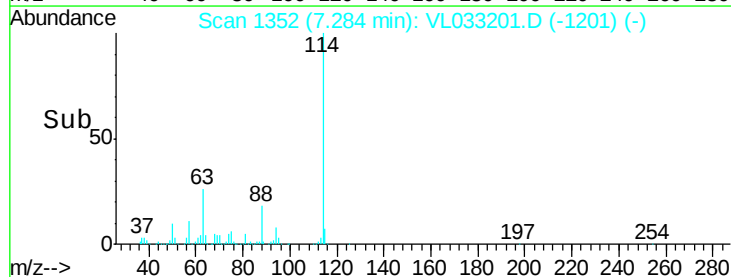
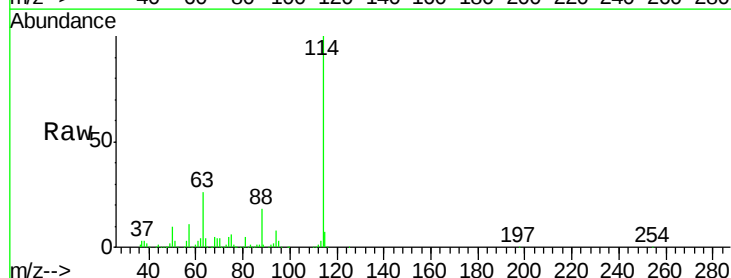
Tgt Ion: 114 Resp: 2115108

Ion Ratio Lower Upper

114 100

63 26.8 20.8 31.2

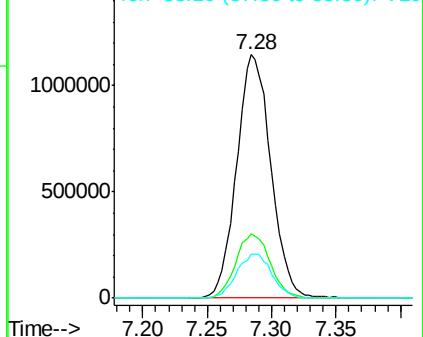
88 18.7 14.6 22.0

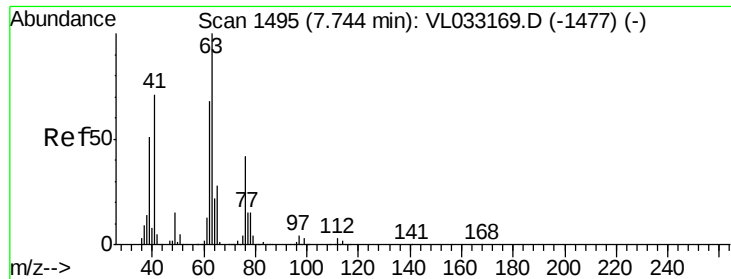


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.671 ppbv

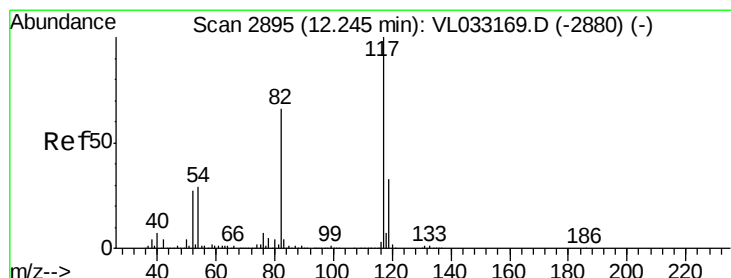
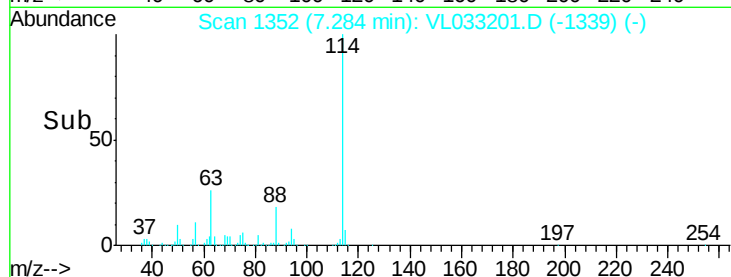
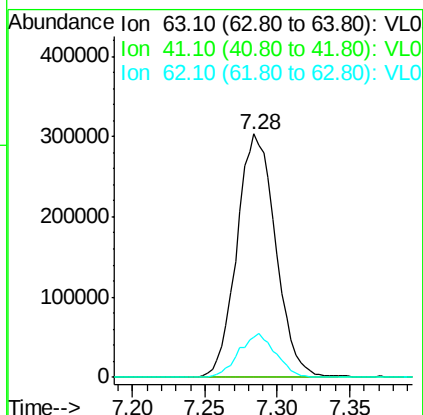
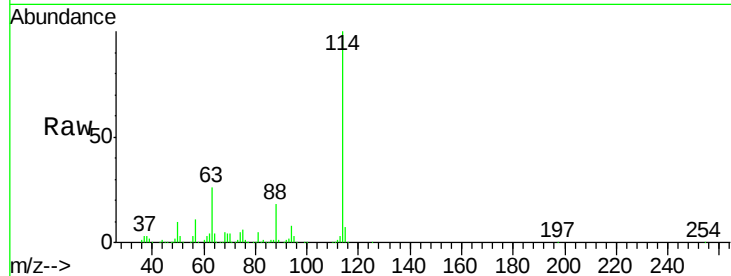
RT: 7.28 min Scan# 1352

Delta R.T. -0.46 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

Tgt Ion:	63	Resp:	564768
Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	16.7	54.2	81.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

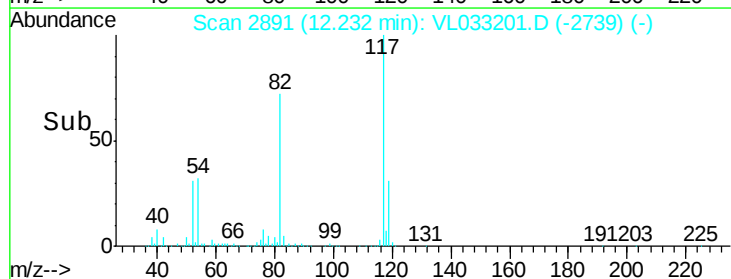
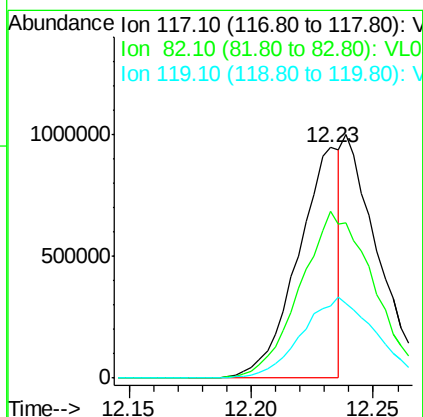
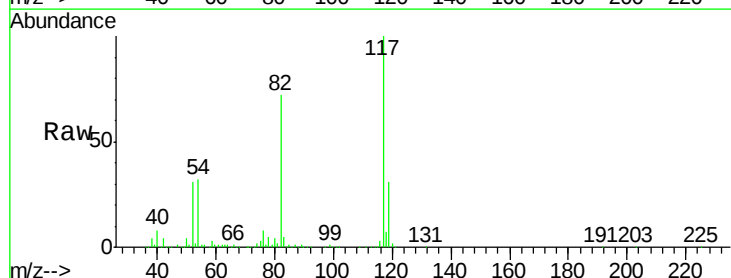
RT: 12.23 min Scan# 2891

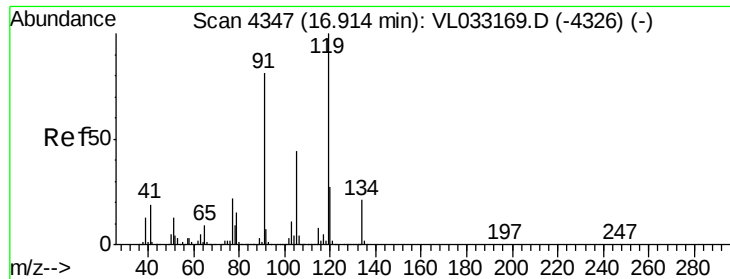
Delta R.T. -0.01 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

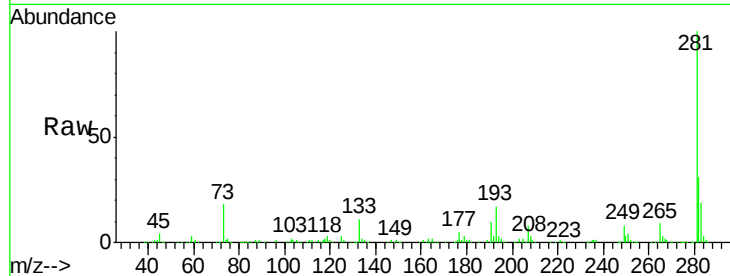
Tgt Ion:	117	Resp:	1128577
Ion	Ratio	Lower	Upper
117	100		
82	127.6	49.5	74.3#
119	0.0	24.4	36.6#



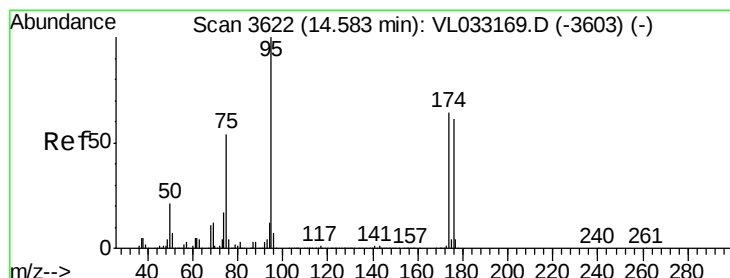
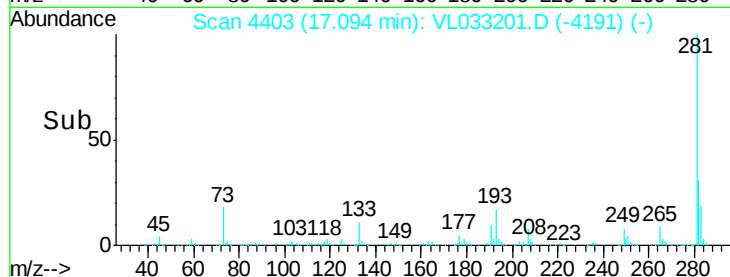
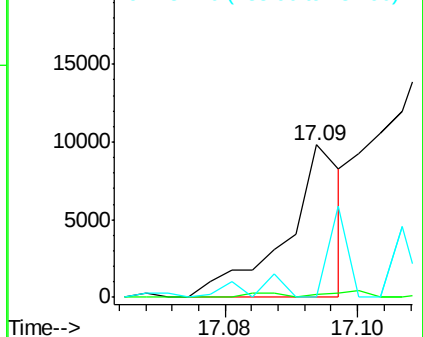


#65
 tert-Butylbenzene
 Concen: 0.032 ppbv
 RT: 17.09 min Scan# 4403
 Delta R.T. 0.18 min
 Lab File: VL033201.D
 Acq: 14 Feb 2019 16:23

Tgt Ion: 119 Resp: 5779
 Ion Ratio Lower Upper
 119 100
 91 1.6 65.7 98.5#
 134 30.5 15.8 23.6#

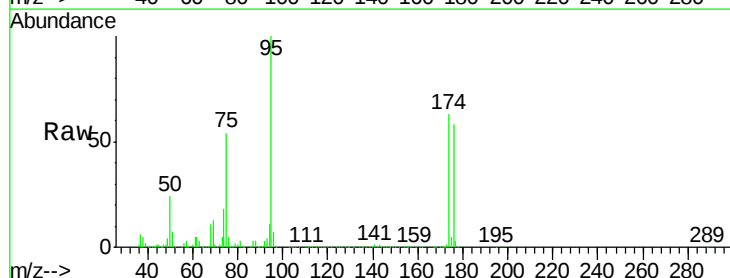


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 20.011 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033201.D
 Acq: 14 Feb 2019 16:23

Tgt Ion: 95 Resp: 1739301
 Ion Ratio Lower Upper
 95 100
 174 63.5 51.2 76.8
 175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

