

Data File : VL032700.D
Acq On : 30 Oct 2018 15:27
Operator : SY/AP
Sample : VL1030ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABL01

Quant Time: Oct 31 05:08:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1372701	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3418431	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3439048	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2560414	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

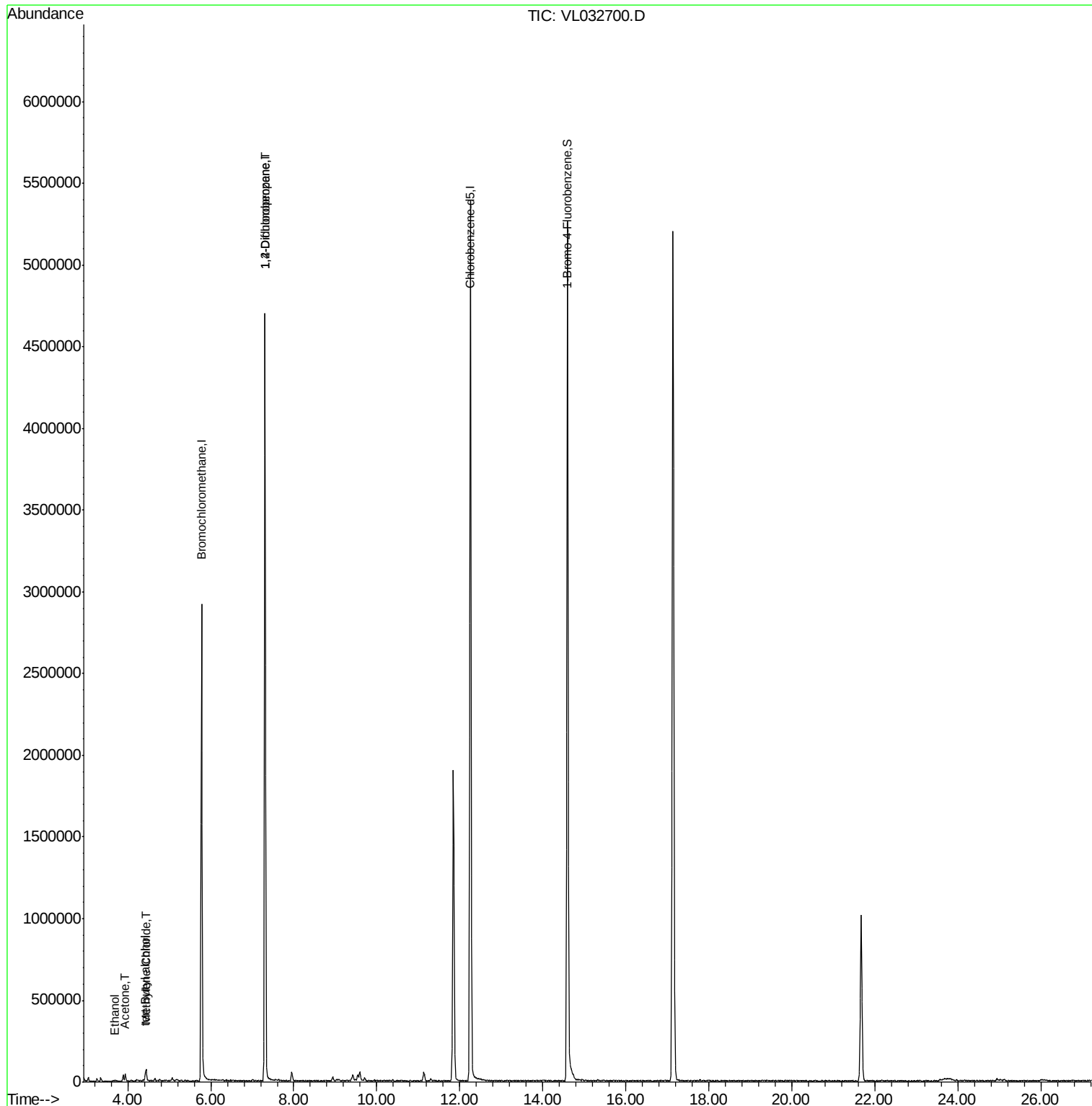
Target Compounds					Qvalue	
13) Ethanol	3.69	45	912	0.072	ppbv #	36
15) Acetone	3.93	43	45551	0.359	ppbv	89
17) tert-Butyl alcohol	4.42	59	5263	0.141	ppbv #	100
20) Methylene Chloride	4.42	84	10166	0.158	ppbv #	81
39) 1,2-Dichloropropane	7.30	63	843560	7.869	ppbv #	26

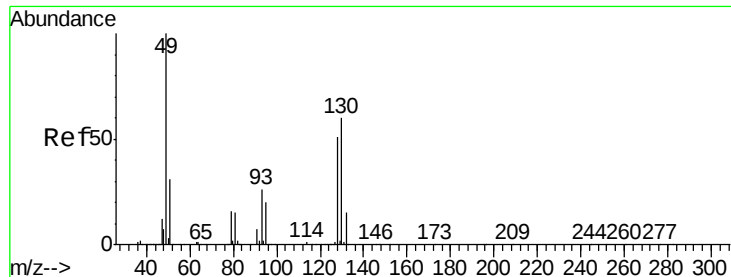
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

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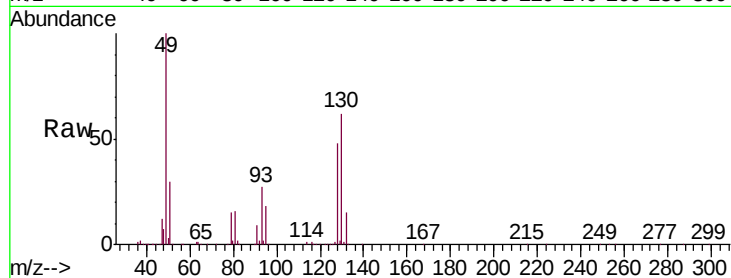
Tgt Ion: 49 Resp: 1372701

Ion Ratio Lower Upper

49 100

128 49.2 22.3 66.8

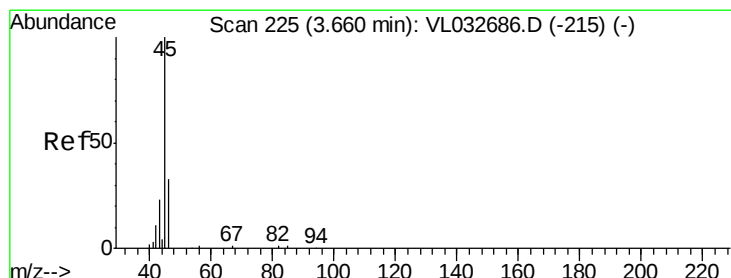
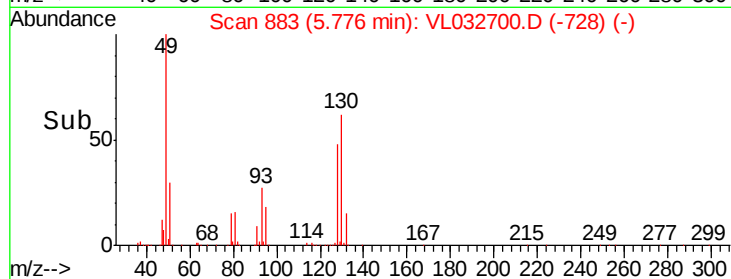
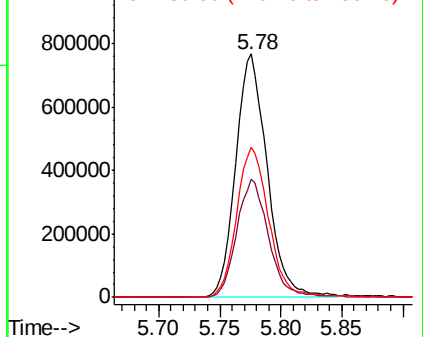
130 63.2 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.072 ppbv

RT: 3.69 min Scan# 233

Delta R.T. 0.03 min

Lab File: VL032700.D

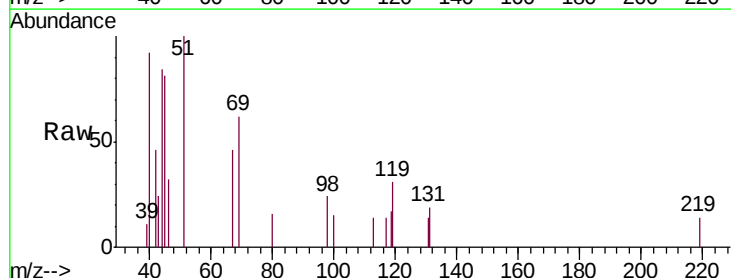
Acq: 30 Oct 2018 15:27

Tgt Ion: 45 Resp: 912

Ion Ratio Lower Upper

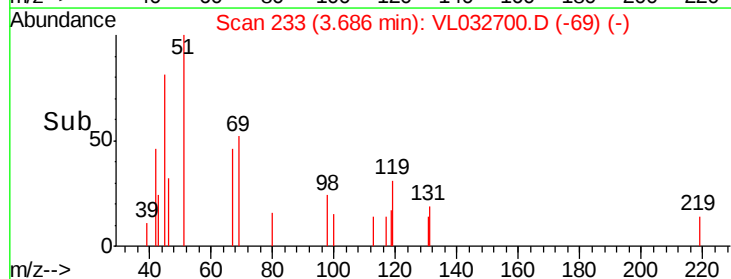
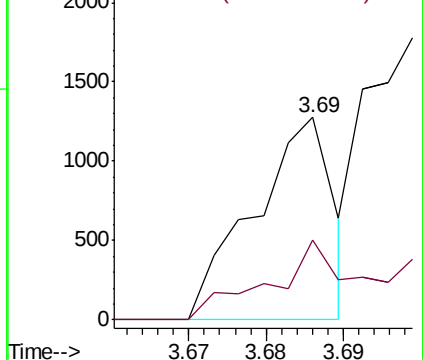
45 100

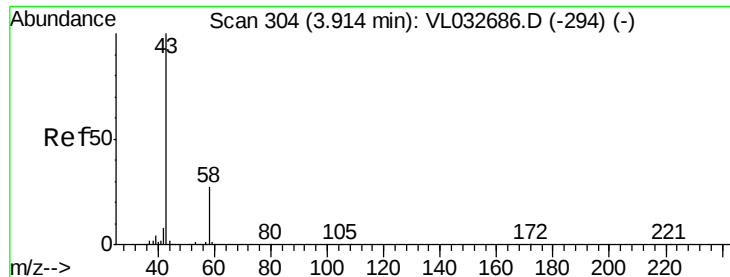
46 0.0 15.4 61.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.359 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.02 min

Lab File: VL032700.D

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Instrument :

MSVOA_L

ClientSampleId :

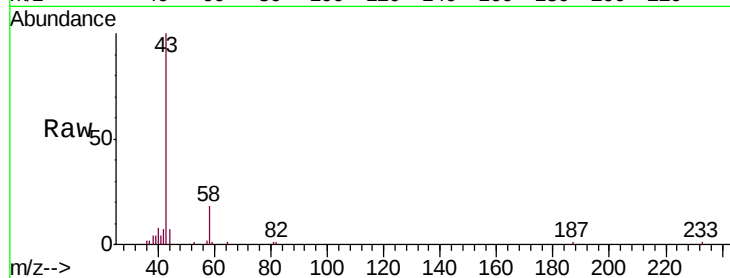
VL1030ABL01

Tgt Ion: 43 Resp: 45551

Ion Ratio Lower Upper

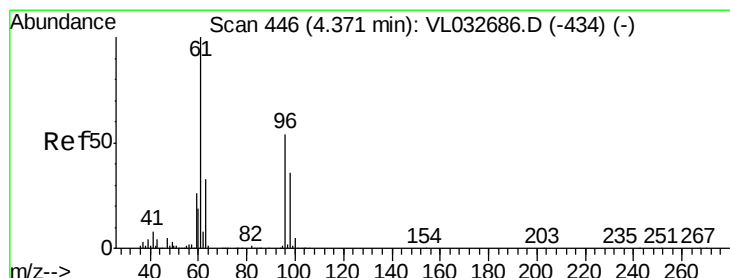
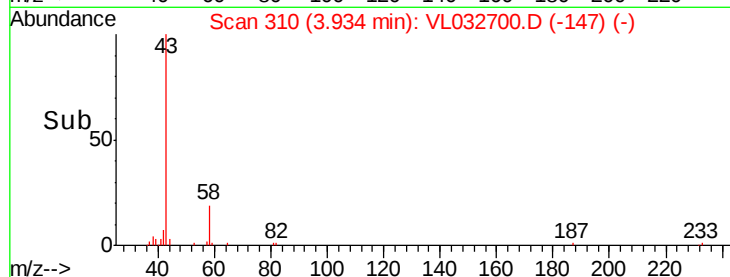
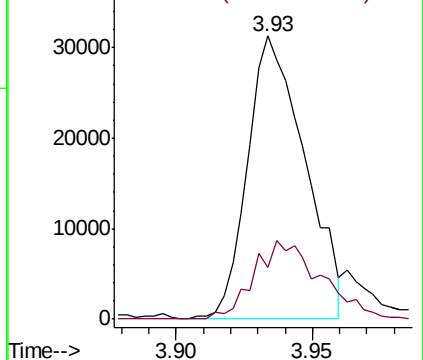
43 100

58 33.1 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.141 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.04 min

Lab File: VL032700.D

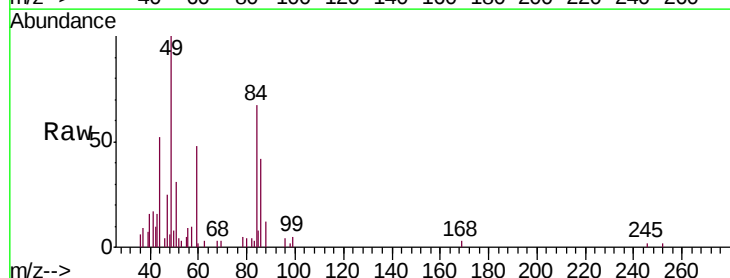
Acq: 30 Oct 2018 15:27

Tgt Ion: 59 Resp: 5263

Ion Ratio Lower Upper

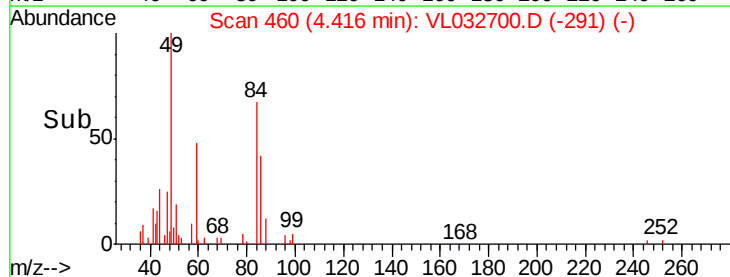
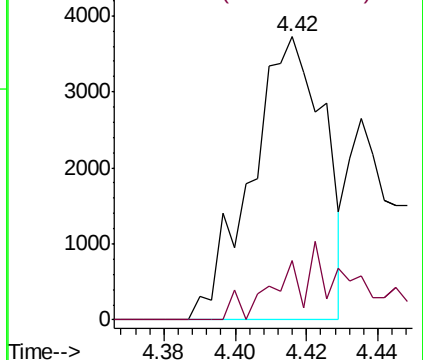
59 100

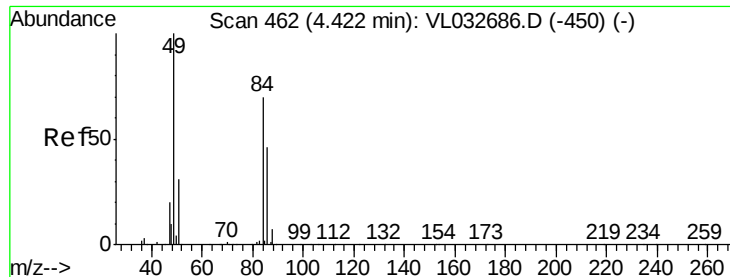
57 28.1 0.0 0.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

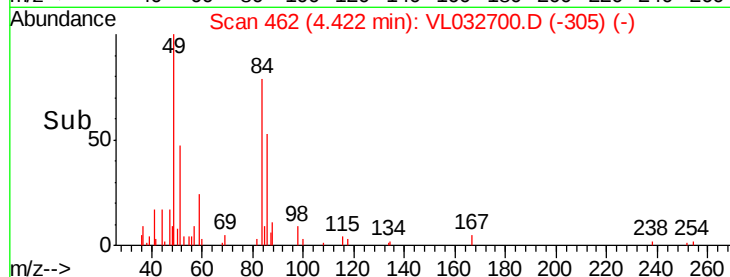
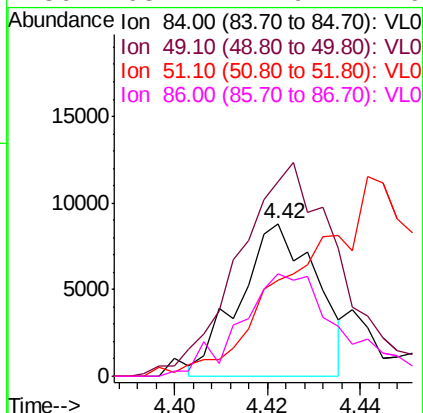
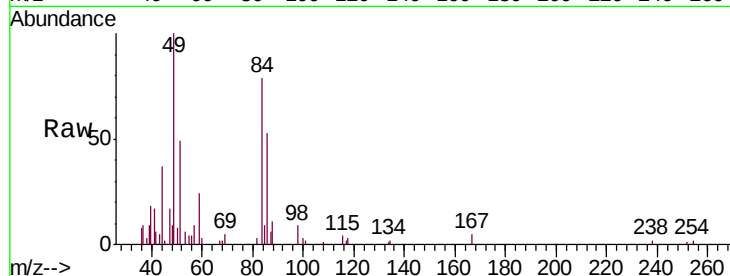




#20
Methylene Chloride
Concen: 0.158 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032700.D
Acq: 30 Oct 2018 15:27

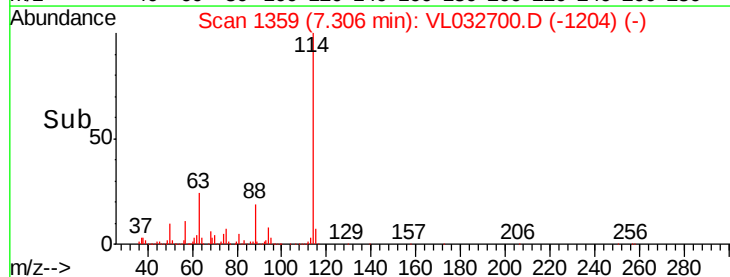
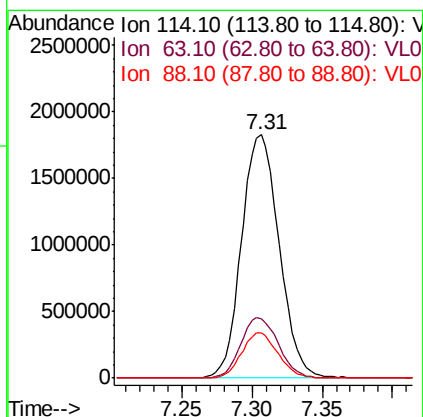
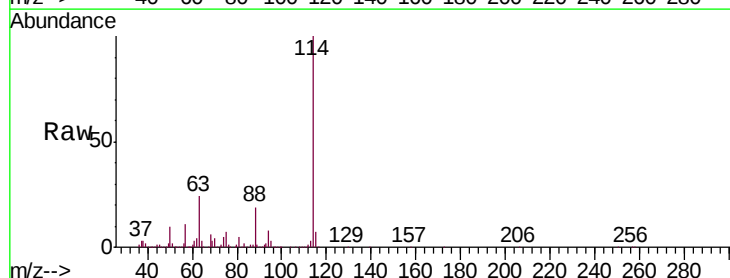
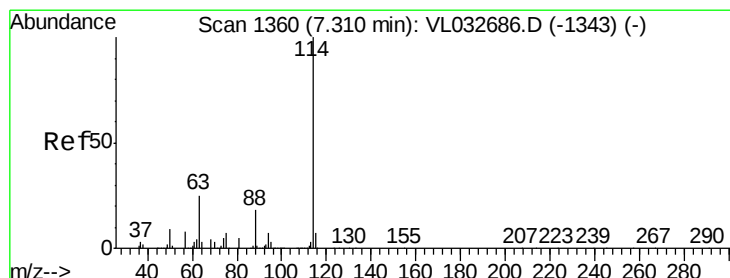
Instrument :
MSVOA_L
ClientSampleId :
VL1030ABL01

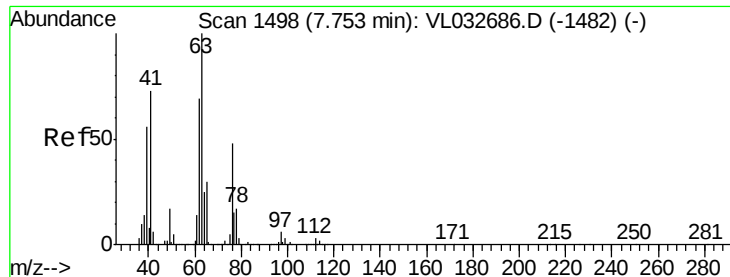
Tgt Ion:	84	Resp:	10166
Ion	Ratio	Lower	Upper
84	100		
49	117.1	113.5	170.3
51	58.9	34.8	52.2#
86	68.1	47.9	71.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032700.D
Acq: 30 Oct 2018 15:27

Tgt Ion:	114	Resp:	3418431
Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.7	32.5
88	18.1	14.9	22.3





#39

1,2-Dichloropropane

Concen: 7.869 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032700.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABL01

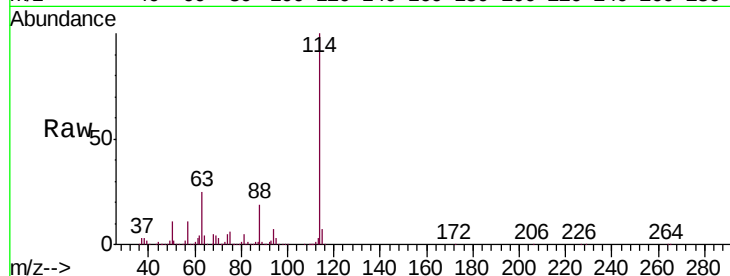
Tgt Ion: 63 Resp: 843560

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

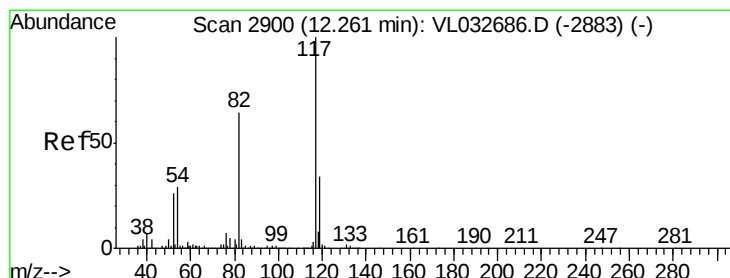
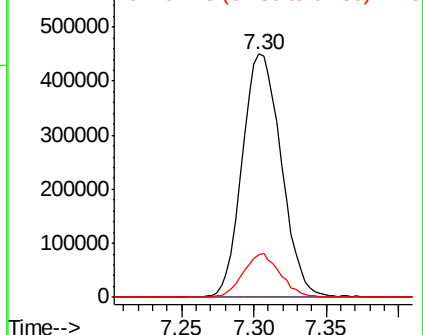
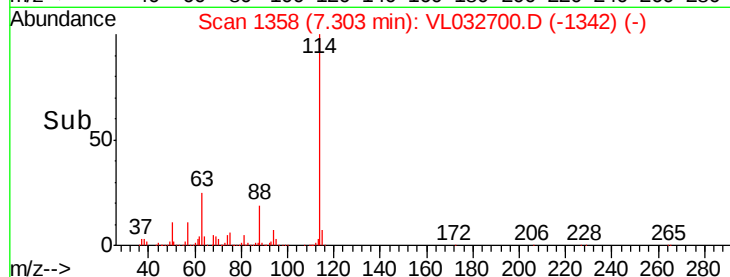
62 17.4 54.4 81.6#



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: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032700.D

Acq: 30 Oct 2018 15:27

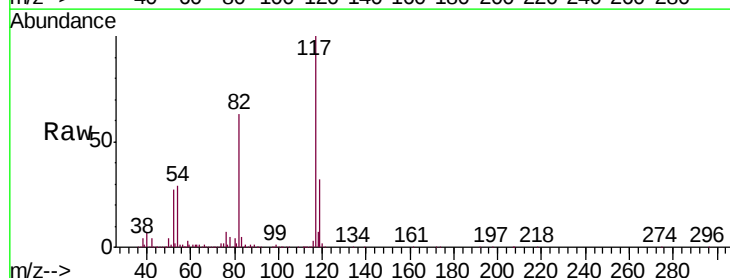
Tgt Ion: 117 Resp: 3439048

Ion Ratio Lower Upper

117 100

82 64.2 52.7 79.1

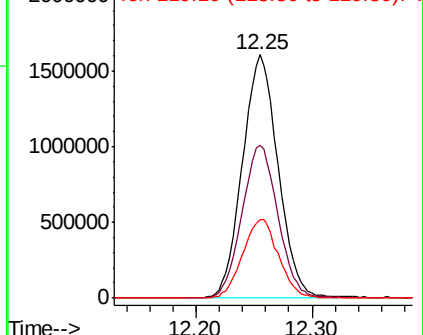
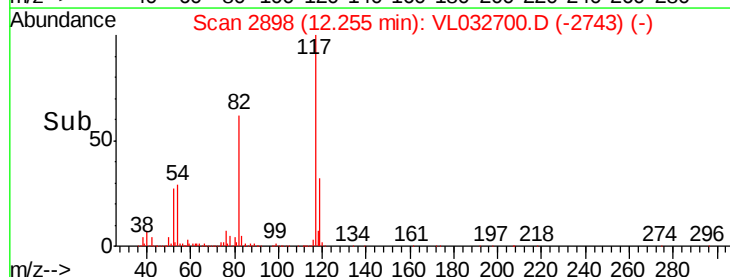
119 32.9 26.7 40.1

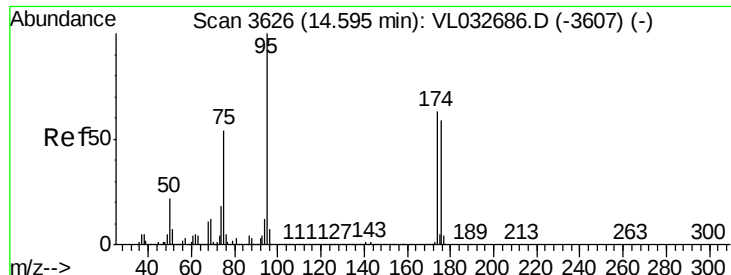


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032700.D

Acq: 30 Oct 2018 15:27

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABL01

Tgt Ion: 95 Resp: 2560414

Ion Ratio Lower Upper

95 100

174 64.9 46.0 69.0

175 4.8 3.4 5.0

