

Data File : VL032713.D
Acq On : 7 Nov 2018 12:20
Operator : SY/AP
Sample : VL10107ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1107ABL01

Quant Time: Nov 07 13:49:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu 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	5.77	49	1519566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3759471	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3745584	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2835938	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

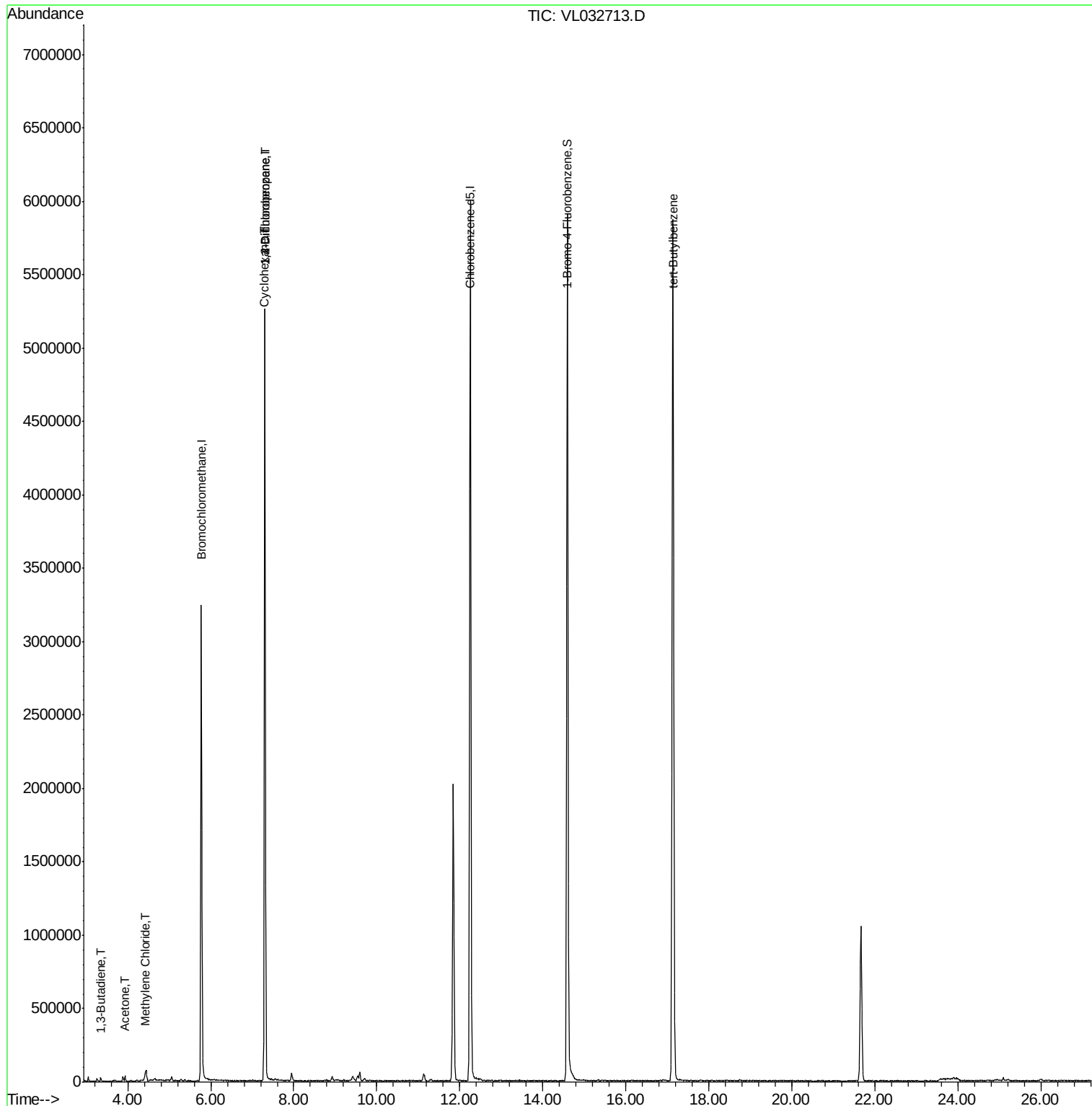
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.93	43	37268	0.266	ppbv	93
16) 1,3-Butadiene	3.35	39	2976	0.058	ppbv #	6
20) Methylene Chloride	4.42	84	8047	0.113	ppbv	89
30) Cyclohexane	7.29	84	4555	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.30	63	943643	8.004	ppbv #	26
65) tert-Butylbenzene	17.13	119	75252	0.167	ppbv #	21

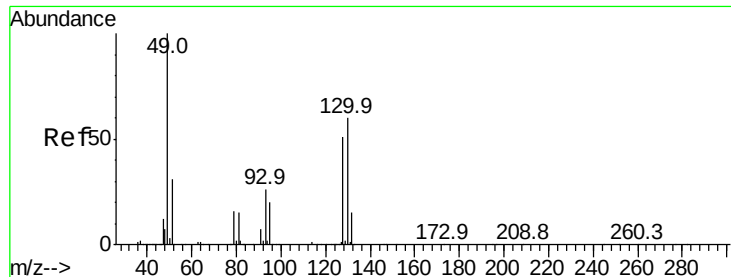
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

Instrument :

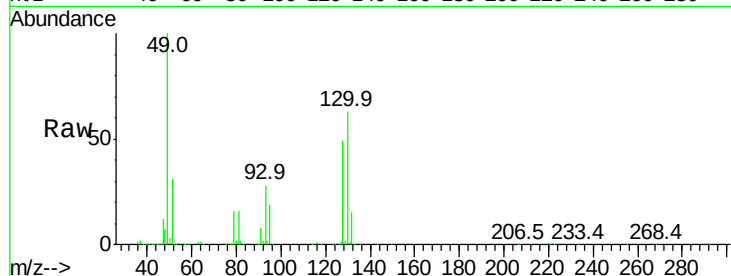
MSVOA_L

ClientSampleId :

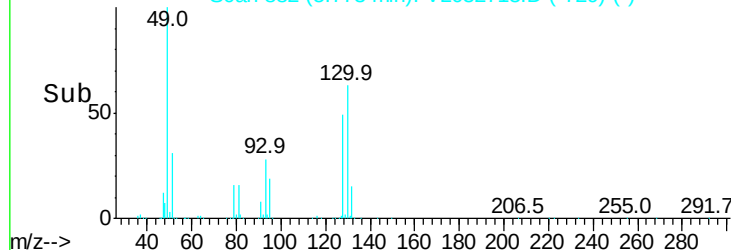
VL1107ABL01

Tgt Ion: 49 Resp: 1519566

Ion	Ratio	Lower	Upper
49	100		
128	49.7	22.3	66.8
130	63.1	28.4	85.3



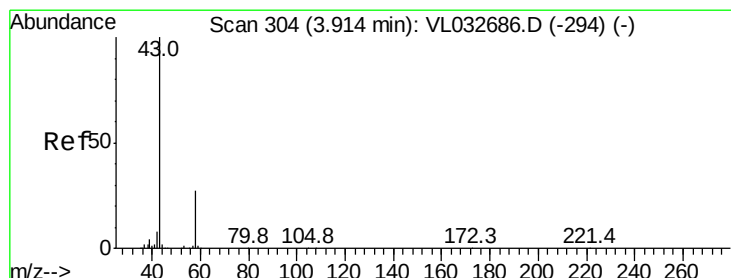
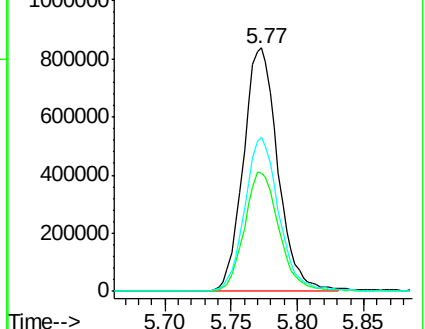
Scan 882 (5.773 min): VL032713.D (-729) (-)



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: 0.266 ppbv

RT: 3.93 min Scan# 310

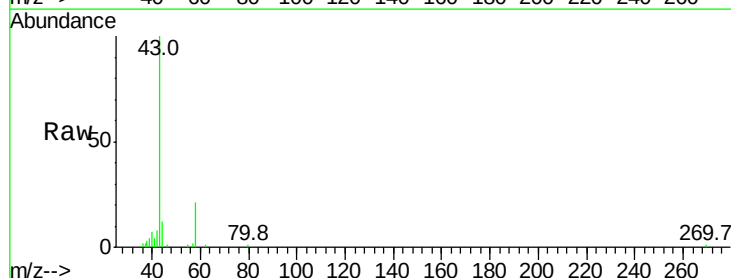
Delta R.T. 0.02 min

Lab File: VL032713.D

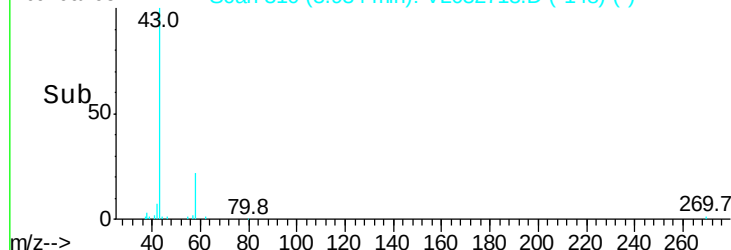
Acq: 7 Nov 2018 12:20

Tgt Ion: 43 Resp: 37268

Ion	Ratio	Lower	Upper
43	100		
58	31.5	22.1	33.1

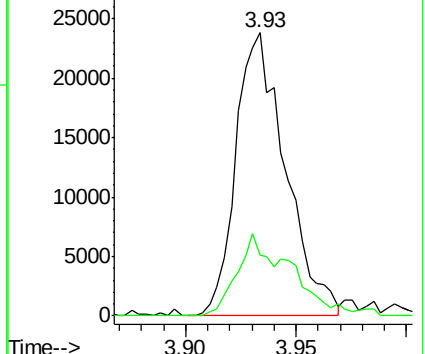


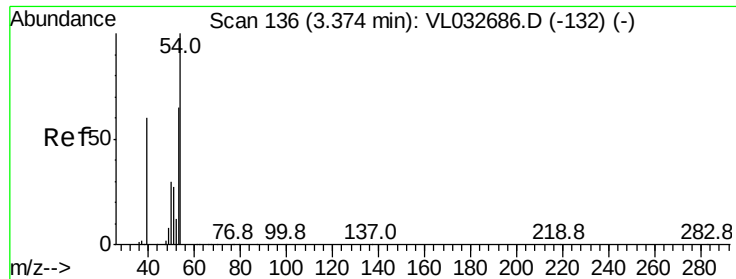
Scan 310 (3.934 min): VL032713.D (-148) (-)



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#16

1,3-Butadiene

Concen: 0.058 ppbv

RT: 3.35 min Scan# 130

Delta R.T. -0.02 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

Instrument :

MSVOA_L

ClientSampleId :

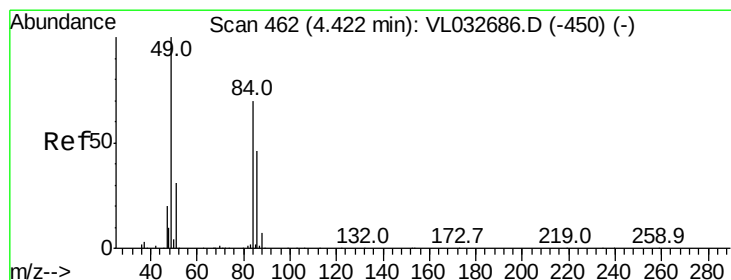
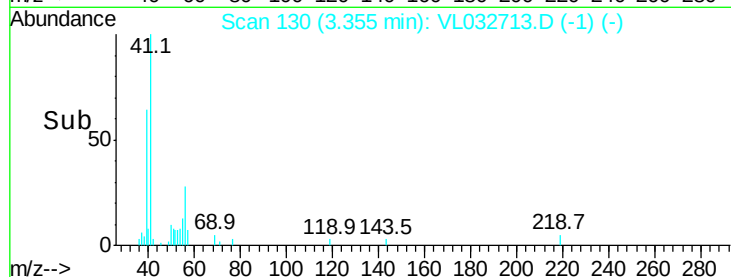
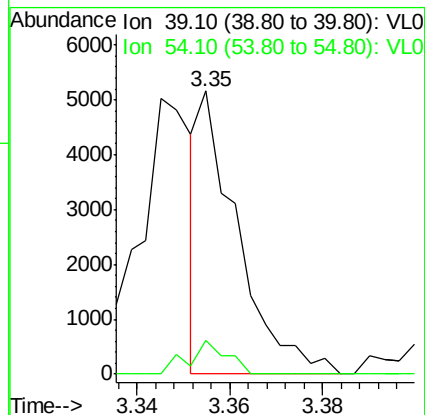
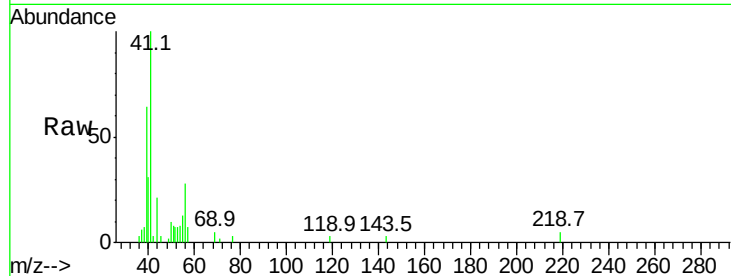
VL1107ABL01

Tgt Ion: 39 Resp: 2976

Ion Ratio Lower Upper

39 100

54 11.6 90.4 135.6#



#20

Methylene Chloride

Concen: 0.113 ppbv

RT: 4.42 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

Tgt Ion: 84 Resp: 8047

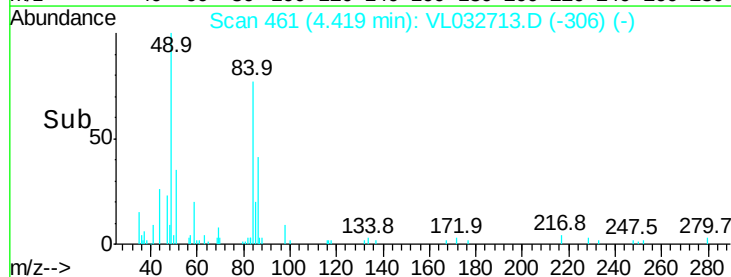
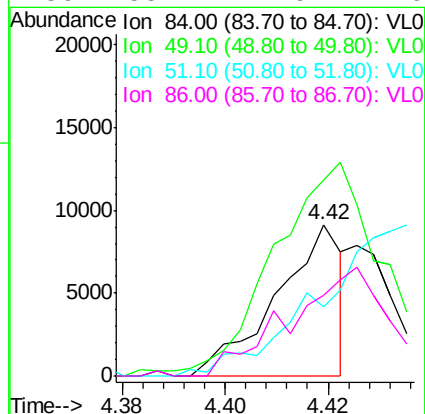
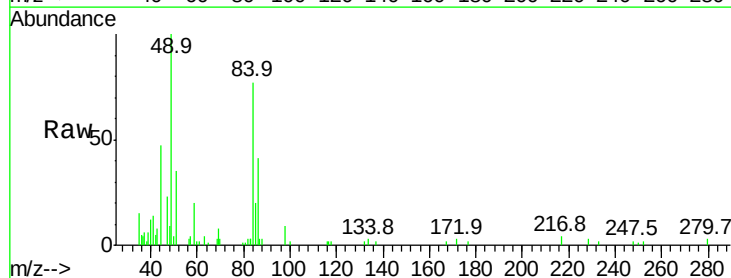
Ion Ratio Lower Upper

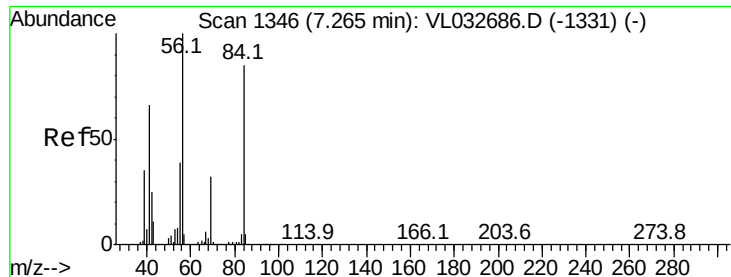
84 100

49 124.4 113.5 170.3

51 41.8 34.8 52.2

86 53.4 47.9 71.9





#30

Cyclohexane

Concen: 0.038 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. 0.03 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

Instrument :

MSVOA_L

ClientSampleId :

VL1107ABL01

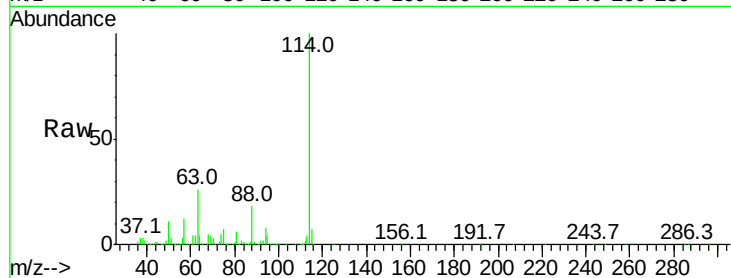
Tgt Ion: 84 Resp: 4555

Ion Ratio Lower Upper

84 100

56 0.0 108.3 162.5#

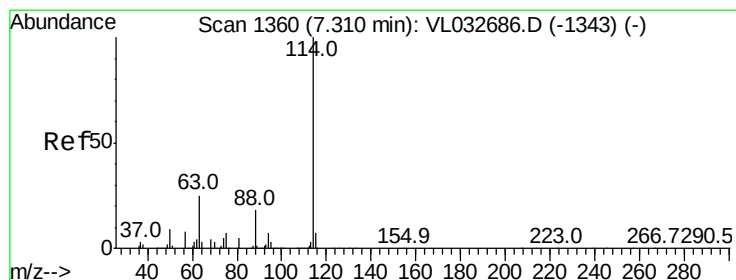
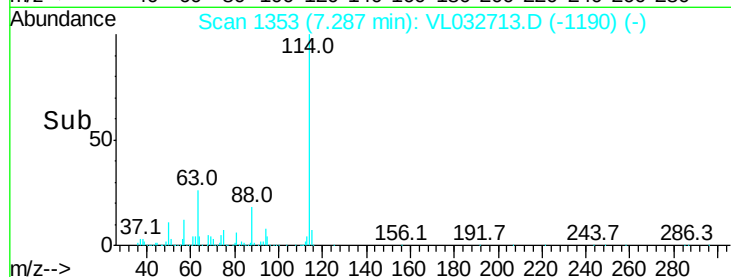
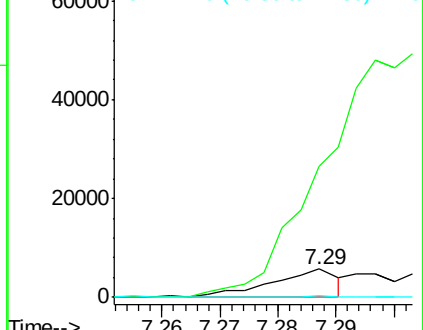
41 3.1 64.8 97.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

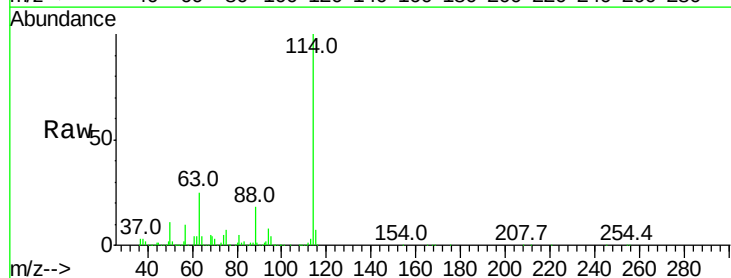
Tgt Ion:114 Resp: 3759471

Ion Ratio Lower Upper

114 100

63 25.3 21.7 32.5

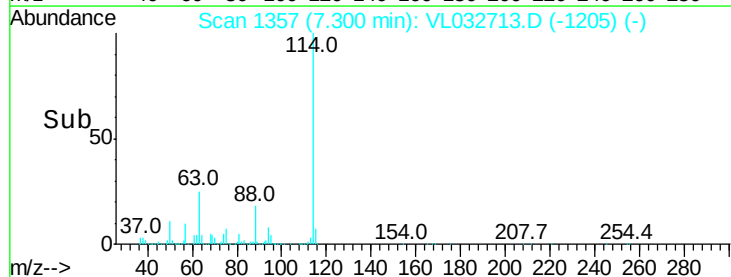
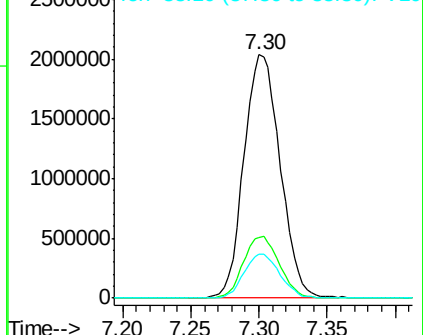
88 18.0 14.9 22.3

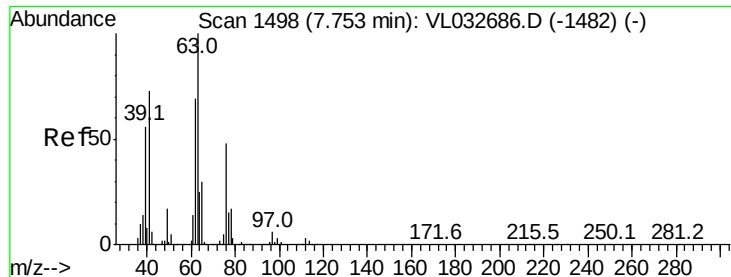


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.004 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

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MSVOA_L

ClientSampleId :

VL1107ABL01

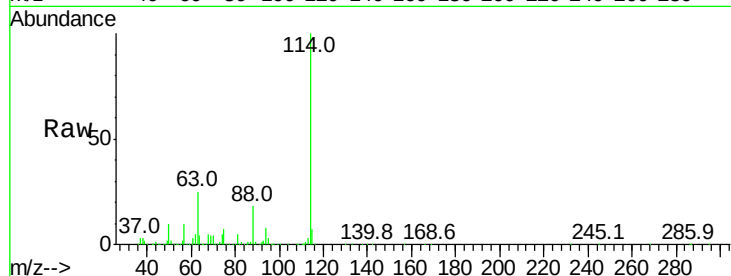
Tgt Ion: 63 Resp: 943643

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

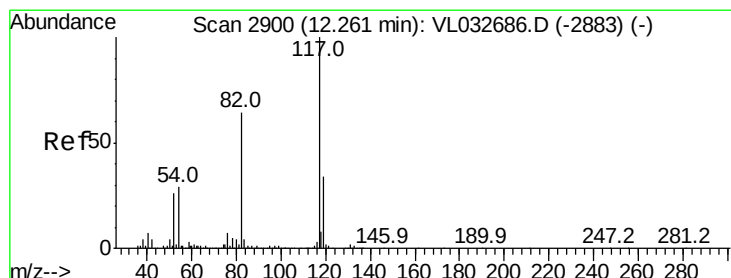
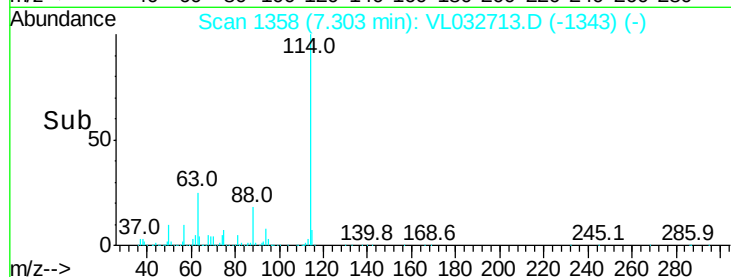
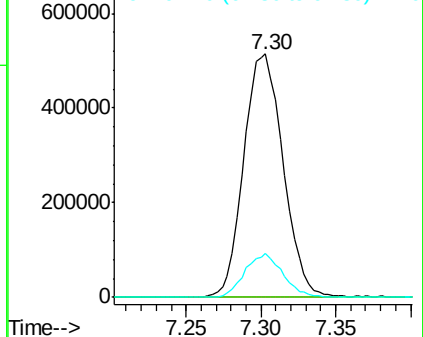
62 18.3 54.4 81.6#



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# 2897

Delta R.T. -0.01 min

Lab File: VL032713.D

Acq: 7 Nov 2018 12:20

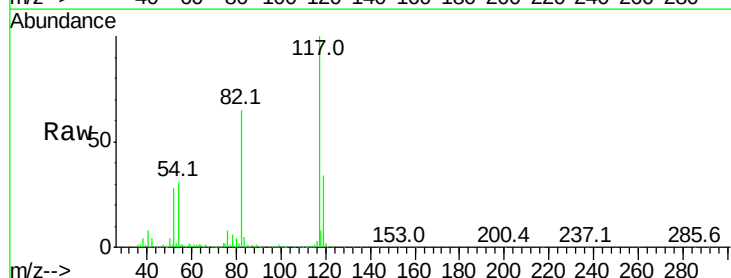
Tgt Ion: 117 Resp: 3745584

Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

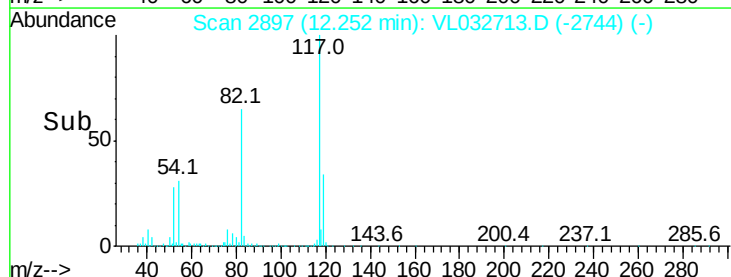
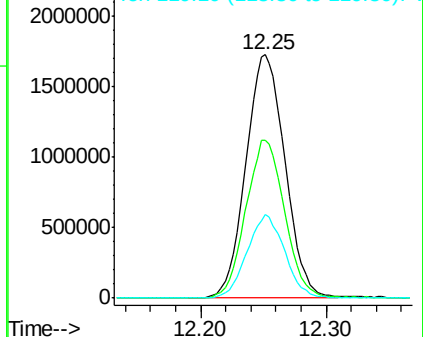
119 33.4 26.7 40.1

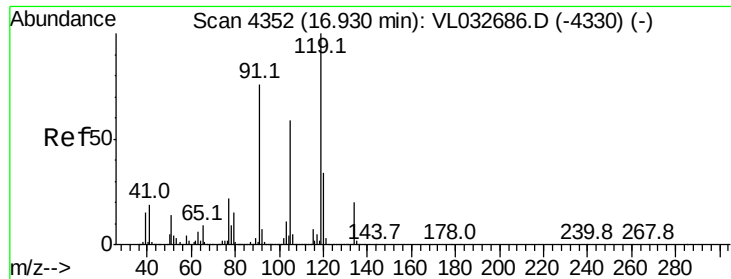


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

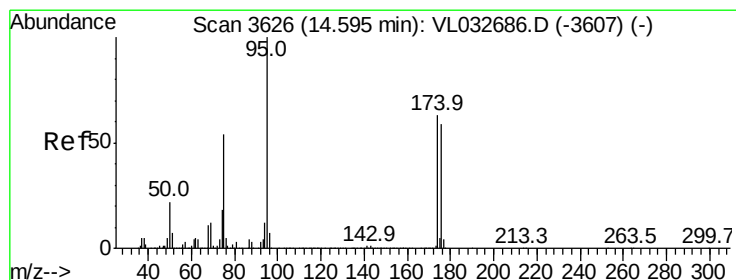
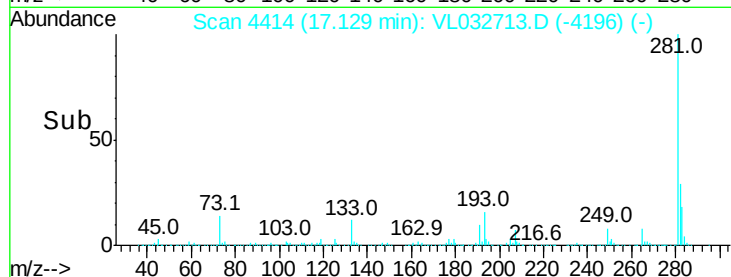
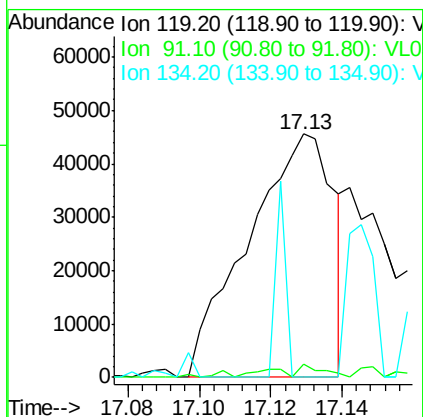
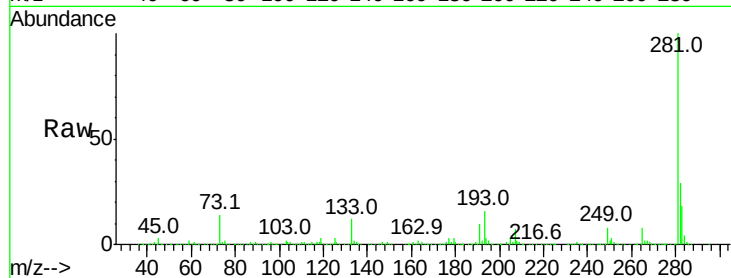




#65
 tert-Butylbenzene
 Concen: 0.167 ppbv
 RT: 17.13 min Scan# 4414
 Delta R.T. 0.20 min
 Lab File: VL032713.D
 Acq: 7 Nov 2018 12:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1107ABL01

Tgt Ion: 119 Resp: 75252
 Ion Ratio Lower Upper
 119 100
 91 4.3 67.8 101.8#
 134 37.1 15.8 23.8#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.169 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL032713.D
 Acq: 7 Nov 2018 12:20

Tgt Ion: 95 Resp: 2835938
 Ion Ratio Lower Upper
 95 100
 174 64.1 46.0 69.0
 175 4.7 3.4 5.0

