

Data File : VL032635.D
Acq On : 17 Oct 2018 9:56
Operator : SY/AP
Sample : VL1017ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABL01

Quant Time: Oct 17 16:15:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1081758	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2506059	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2520376	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1864217	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

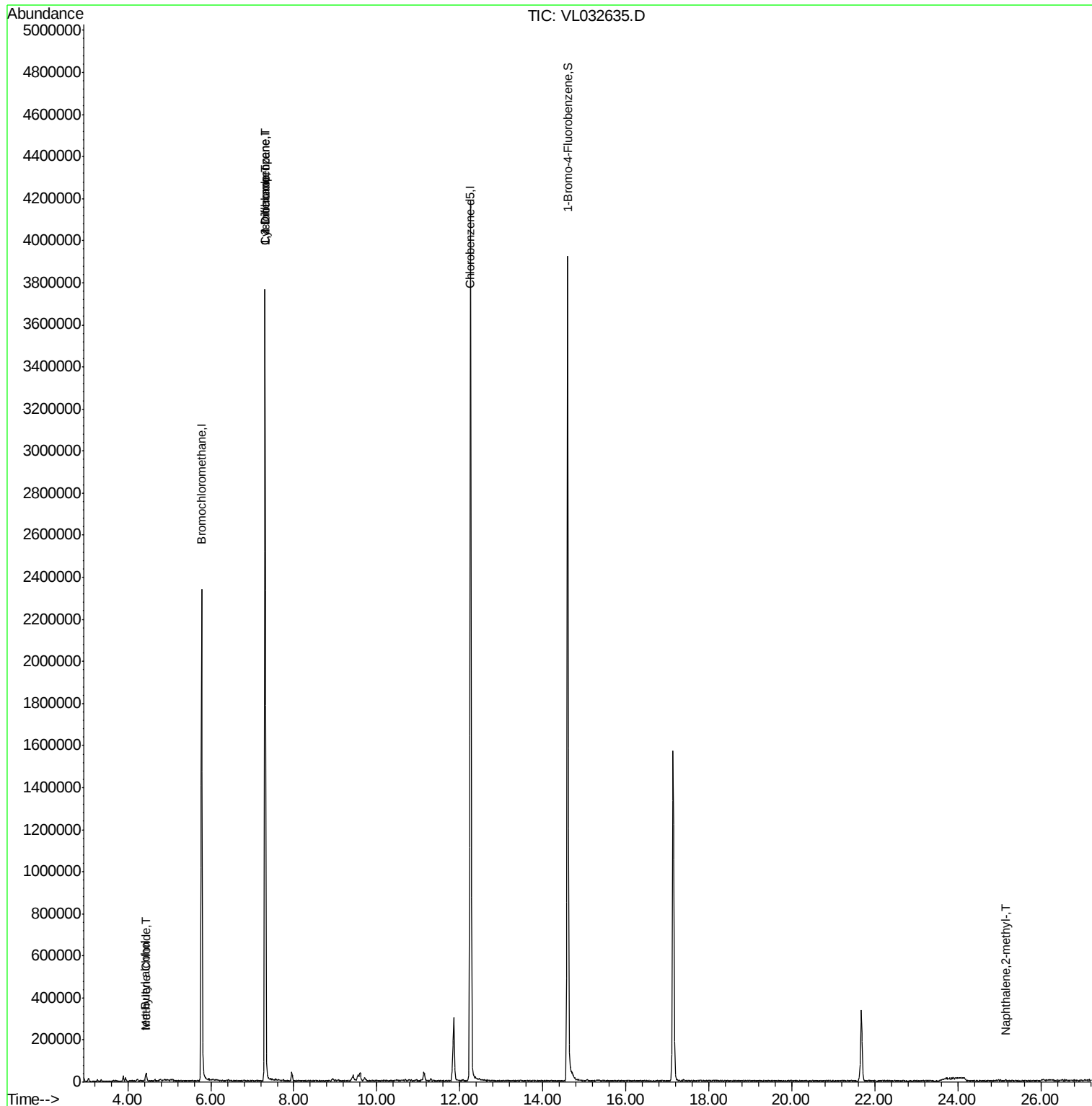
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	1200	Below Cal		96
17) tert-Butyl alcohol	4.42	59	443	0.050	ppbv #	100
20) Methylene Chloride	4.42	84	2724	0.063	ppbv #	85
30) Cyclohexane	7.30	84	4980	0.062	ppbv #	1
39) 1,2-Dichloropropane	7.31	63	672023	8.133	ppbv #	26
80) Naphthalene,2-methyl-	25.15	142	174	0.742	ppbv #	82

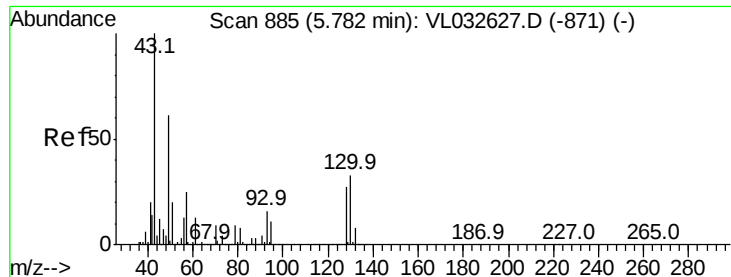
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

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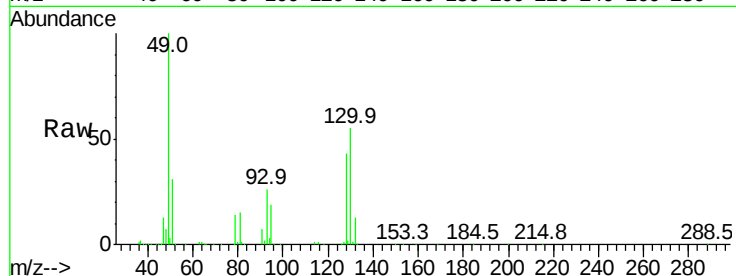
Tgt Ion: 49 Resp: 1081758

Ion Ratio Lower Upper

49 100

128 46.7 22.3 66.8

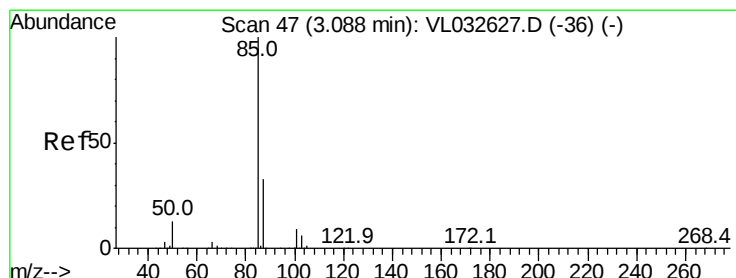
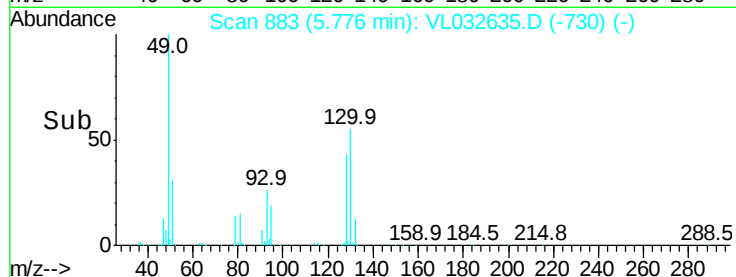
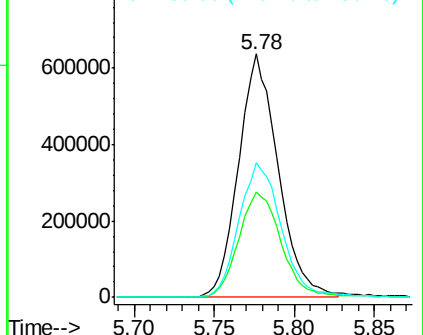
130 59.8 28.4 85.3



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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.05 min Scan# 34

Delta R.T. -0.04 min

Lab File: VL032635.D

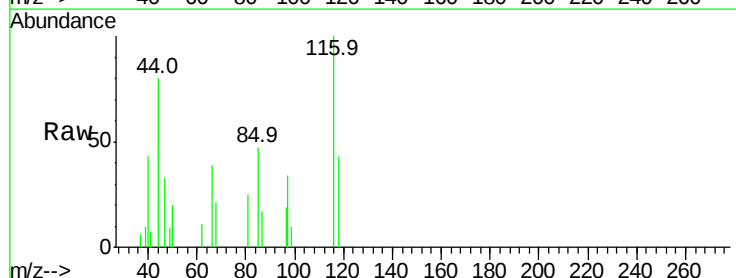
Acq: 17 Oct 2018 9:56

Tgt Ion: 85 Resp: 1200

Ion Ratio Lower Upper

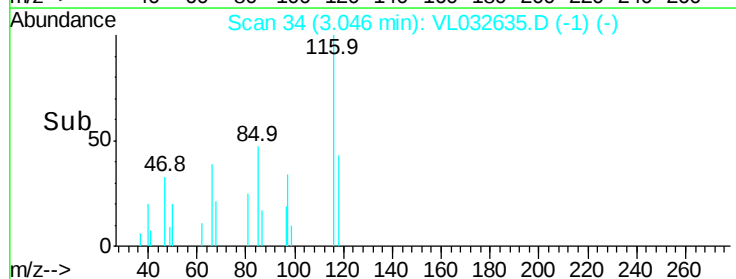
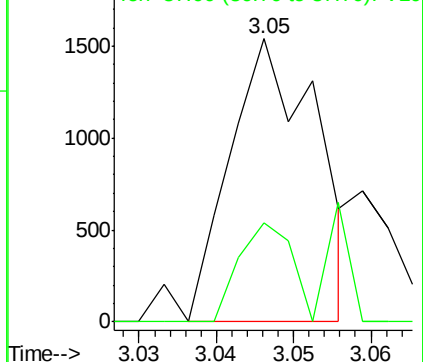
85 100

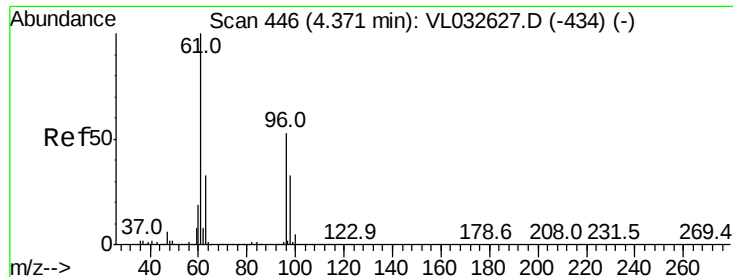
87 35.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#17

tert-Butyl alcohol

Concen: 0.050 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.05 min

Lab File: VL032635.D

Acq: 17 Oct 2018 9:56

Instrument :

MSVOA_L

ClientSampleId :

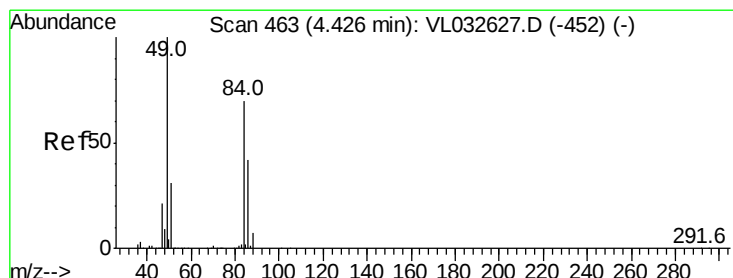
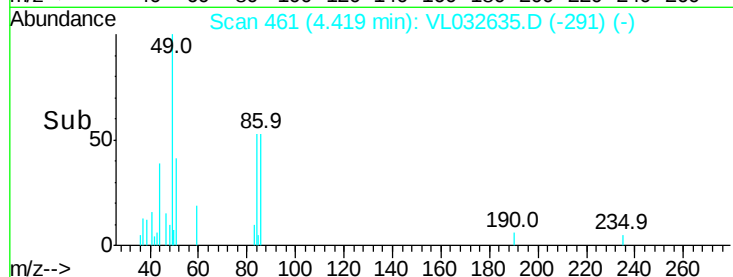
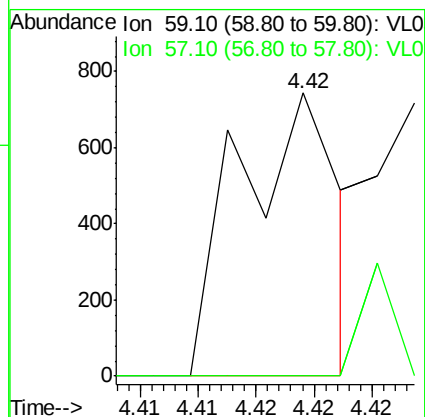
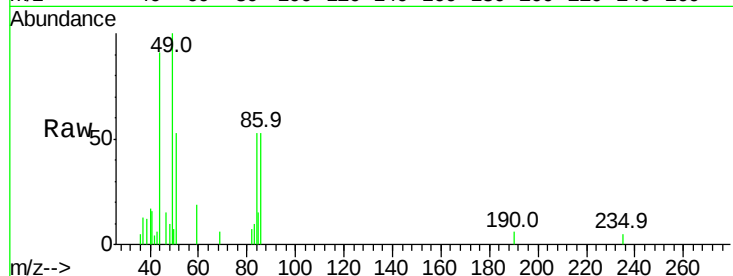
VL1017ABL01

Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

59 100

57 27.8 0.0 0.0#



#20

Methylene Chloride

Concen: 0.063 ppbv

RT: 4.42 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL032635.D

Acq: 17 Oct 2018 9:56

Tgt Ion: 84 Resp: 2724

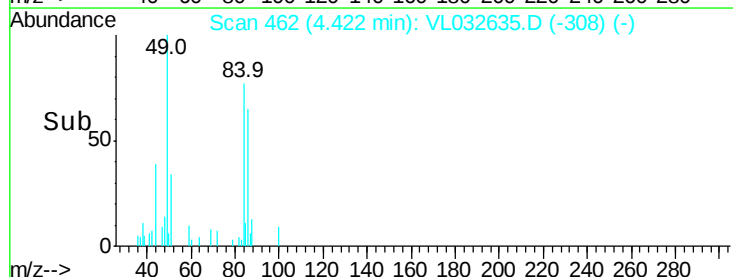
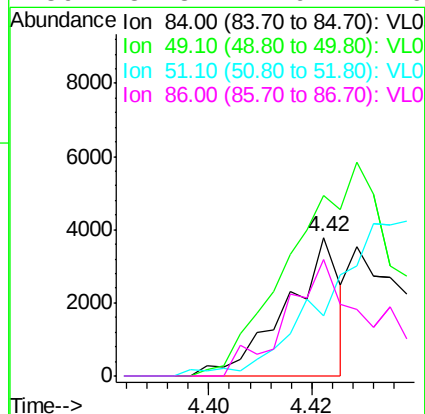
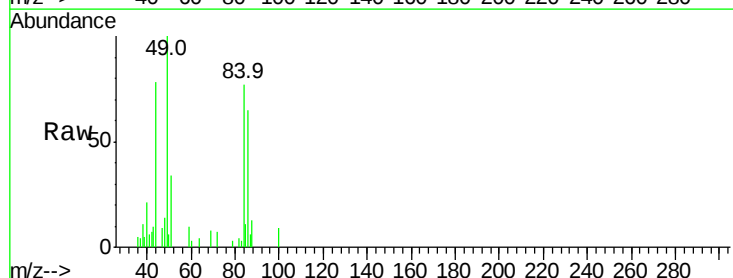
Ion Ratio Lower Upper

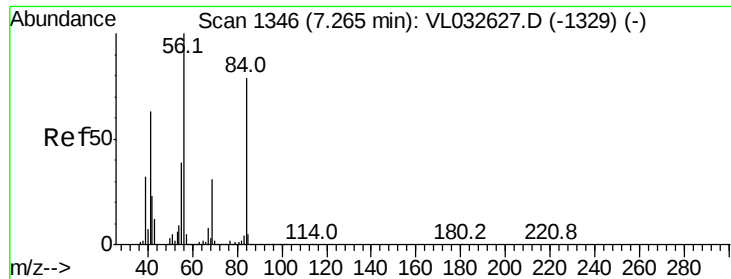
84 100

49 130.4 113.5 170.3

51 39.1 34.8 52.2

86 84.3 47.9 71.9#

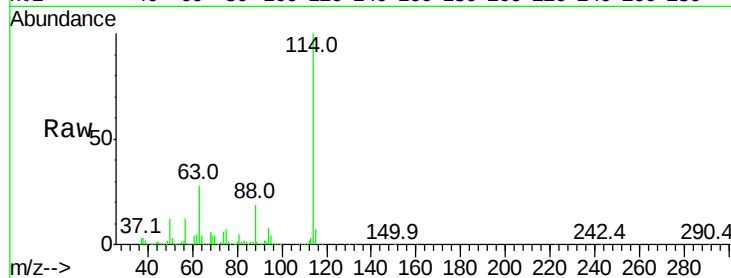




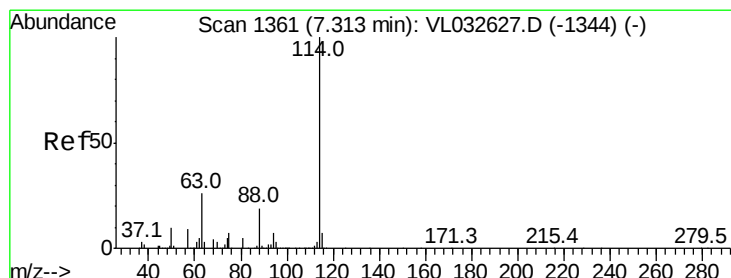
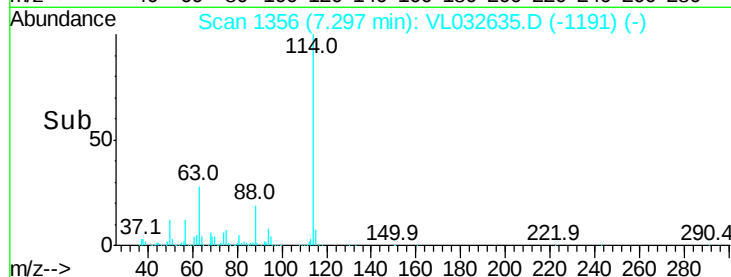
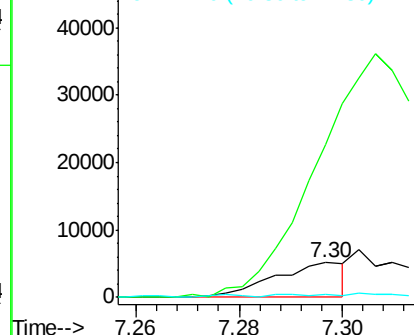
#30
Cyclohexane
Concen: 0.062 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.03 min
Lab File: VL032635.D
Acq: 17 Oct 2018 9:56

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABL01

Tgt Ion: 84 Resp: 4980
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 3.7 64.8 97.2#

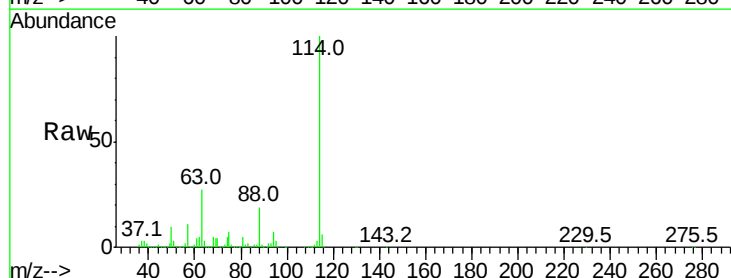


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

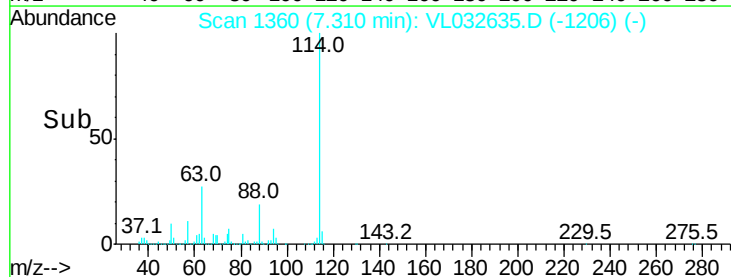
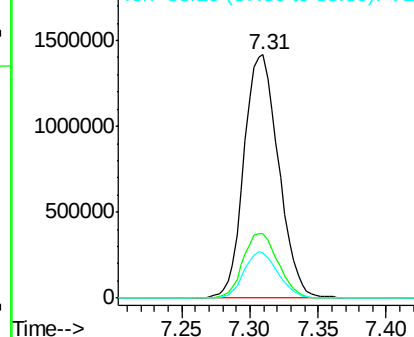


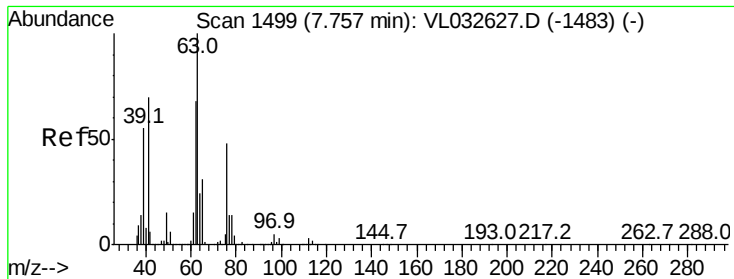
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL032635.D
Acq: 17 Oct 2018 9:56

Tgt Ion: 114 Resp: 2506059
Ion Ratio Lower Upper
114 100
63 27.0 21.7 32.5
88 18.7 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: 8.133 ppbv

RT: 7.31 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL032635.D

Acq: 17 Oct 2018 9:56

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABL01

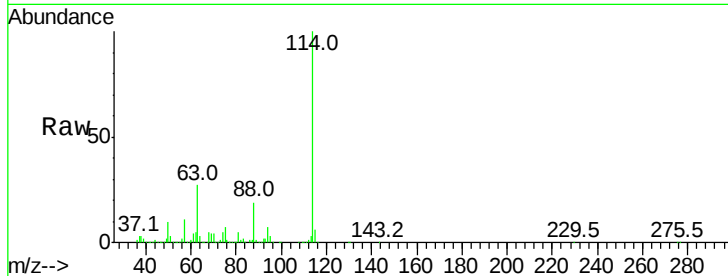
Tgt Ion: 63 Resp: 672023

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

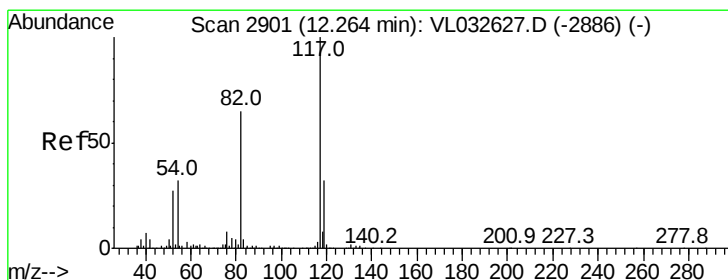
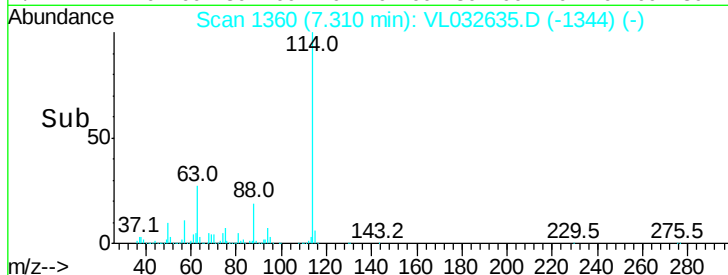
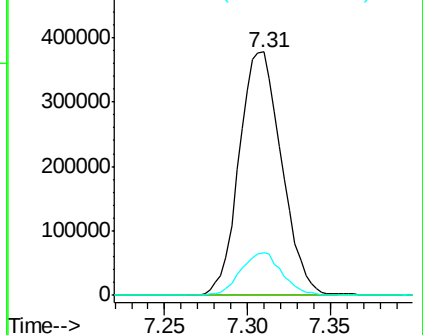
62 17.7 54.4 81.6#



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: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL032635.D

Acq: 17 Oct 2018 9:56

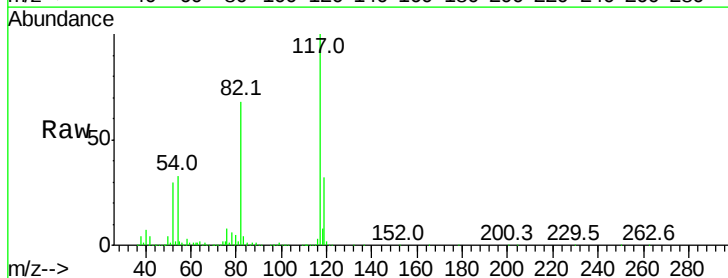
Tgt Ion: 117 Resp: 2520376

Ion Ratio Lower Upper

117 100

82 67.9 52.7 79.1

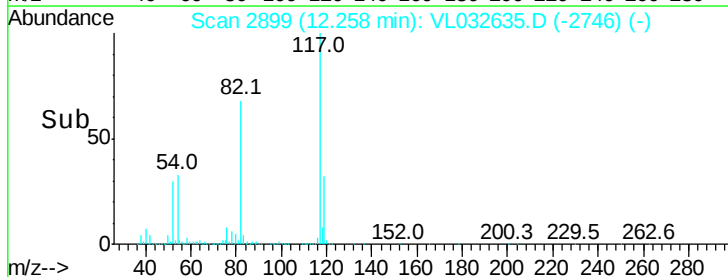
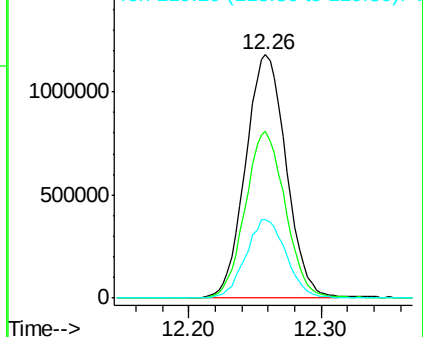
119 32.1 26.7 40.1

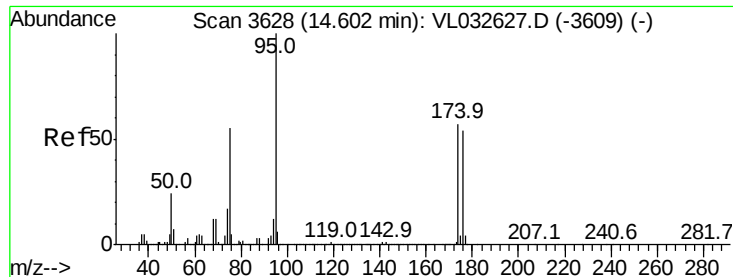


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

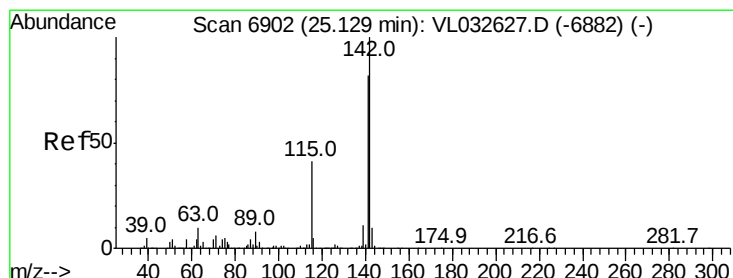
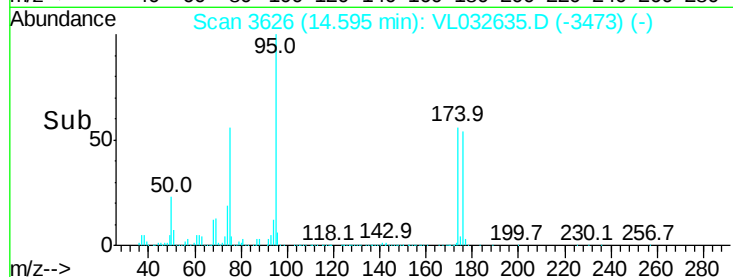
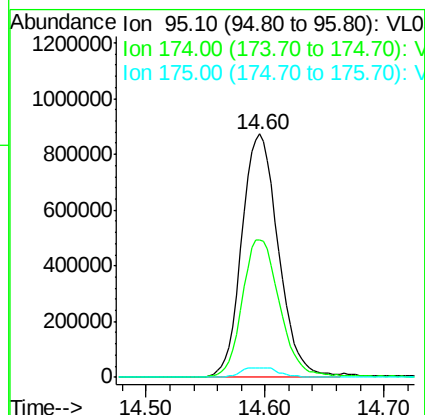
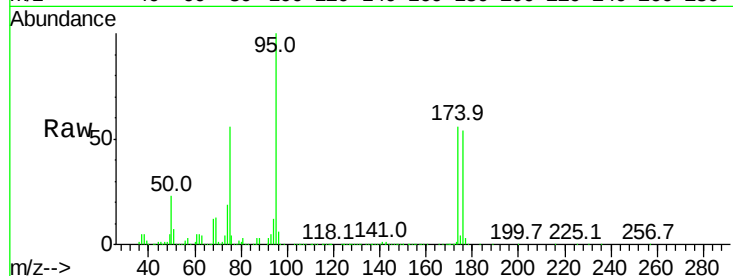




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.823 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032635.D
 Acq: 17 Oct 2018 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABL01

Tgt Ion: 95 Resp: 1864217
 Ion Ratio Lower Upper
 95 100
 174 59.1 46.0 69.0
 175 4.3 3.4 5.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.742 ppbv
 RT: 25.15 min Scan# 6910
 Delta R.T. 0.03 min
 Lab File: VL032635.D
 Acq: 17 Oct 2018 9:56

Tgt Ion: 142 Resp: 174
 Ion Ratio Lower Upper
 142 100
 141 69.0 67.5 101.3
 115 55.2 33.5 50.3#

