

Data File : VL032637.D
Acq On : 17 Oct 2018 12:31
Operator : SY/AP
Sample : QC100918 CAN 10761
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC100918 CAN 10761

Quant Time: Oct 17 16:23:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1208581	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2624692	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2707180	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1948942	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

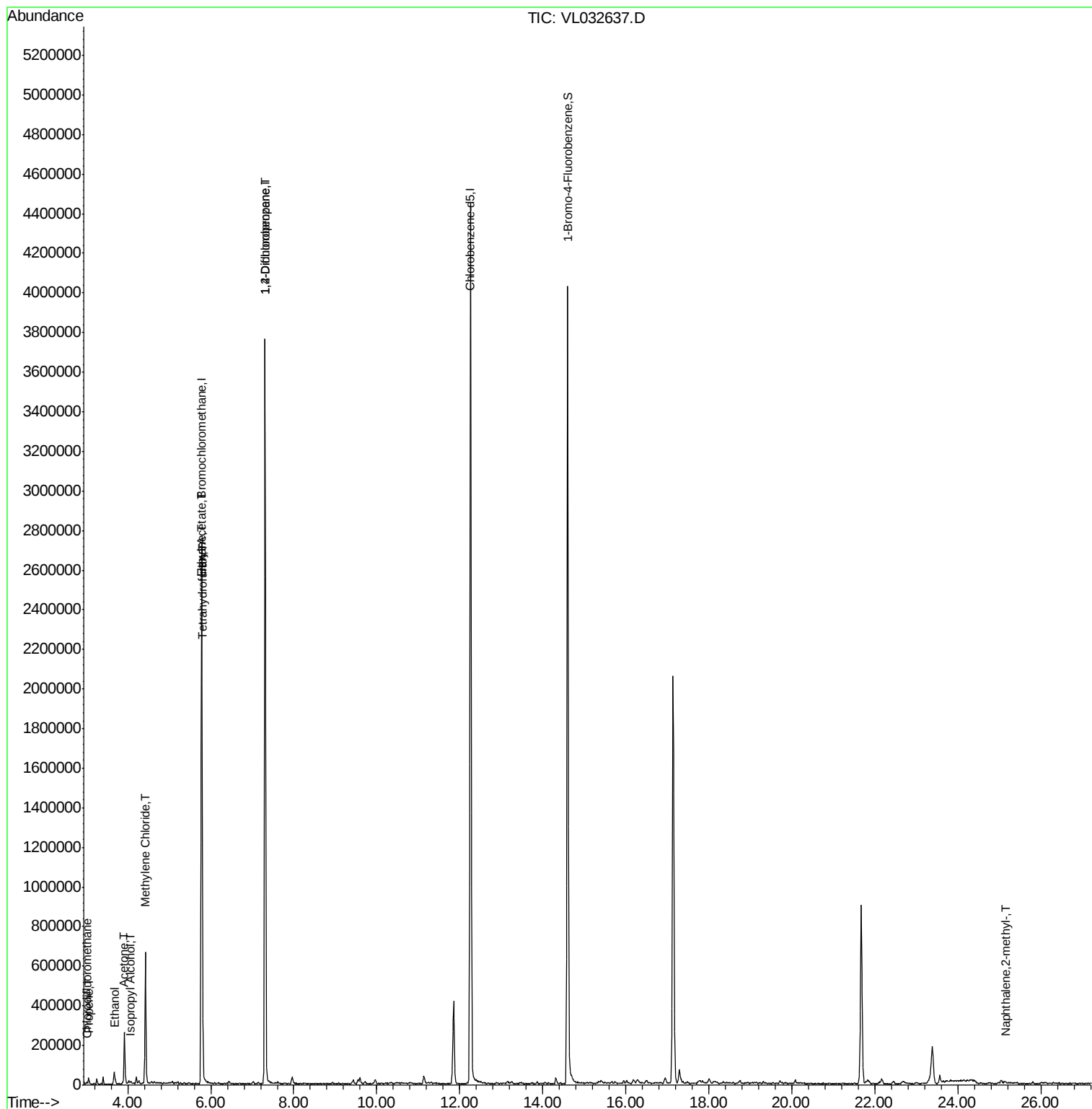
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	6206	Below Cal	#	71
3) Chlorodifluoromethane	3.02	51	11289	0.112	ppbv #	82
9) Propene	3.06	41	5801	0.156	ppbv	94
13) Ethanol	3.67	45	65965	5.750	ppbv	96
15) Acetone	3.92	43	249081	2.316	ppbv	99
19) Isopropyl Alcohol	4.06	45	5399	0.071	ppbv #	93
20) Methylene Chloride	4.43	84	229202	4.757	ppbv	95
25) Ethyl Acetate	5.80	43	156116	0.613	ppbv #	78
26) Hexane	5.80	57	218594	1.907	ppbv #	42
39) 1,2-Dichloropropane	7.31	63	695804	8.040	ppbv #	26
41) Tetrahydrofuran	5.80	42	85926	1.112	ppbv #	48
80) Naphthalene,2-methyl-	25.14	142	5088	0.807	ppbv	94

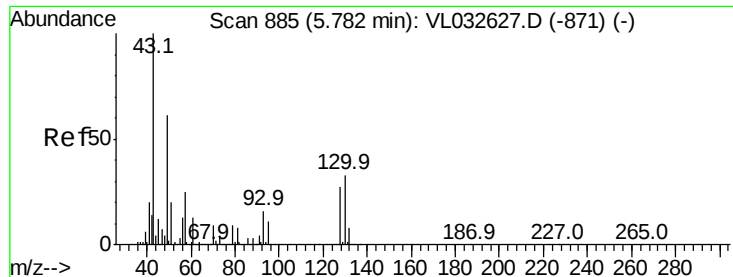
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

Lab File: VL032637.D

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Instrument :

MSVOA_L

ClientSampleId :

QC100918 CAN 10761

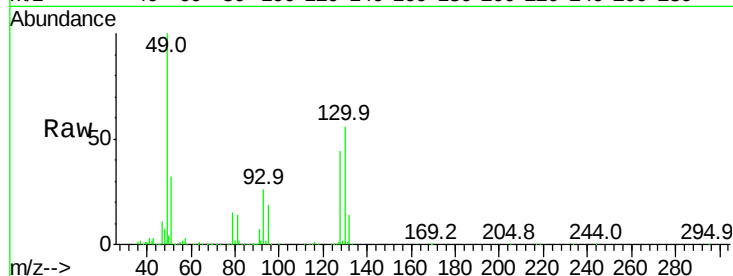
Tgt Ion: 49 Resp: 1208581

Ion Ratio Lower Upper

49 100

128 46.5 22.3 66.8

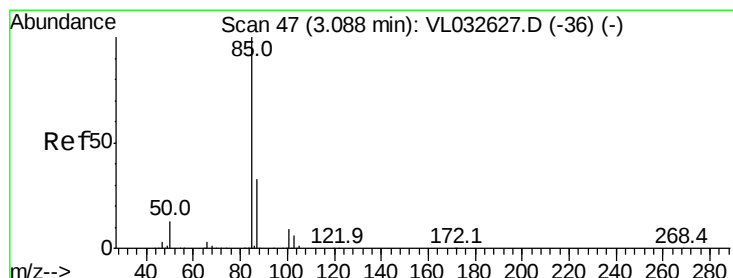
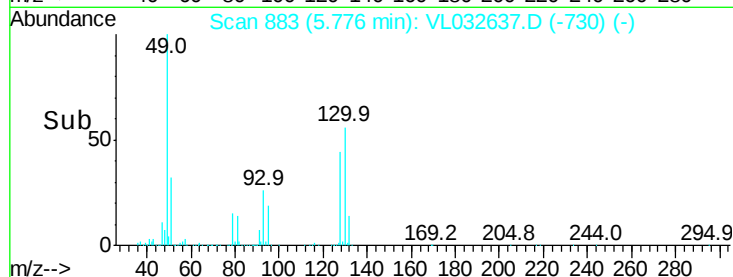
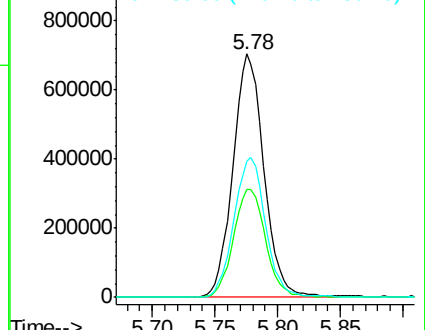
130 59.2 28.4 85.3



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: 3.09 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL032637.D

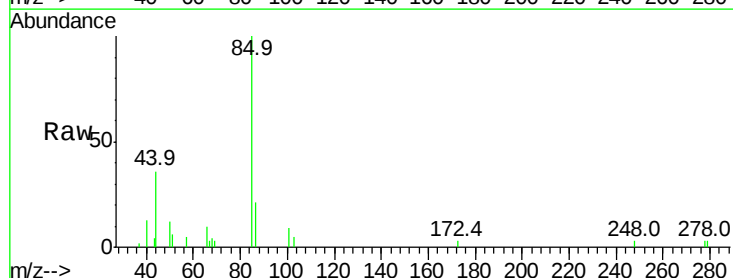
Acq: 17 Oct 2018 12:31

Tgt Ion: 85 Resp: 6206

Ion Ratio Lower Upper

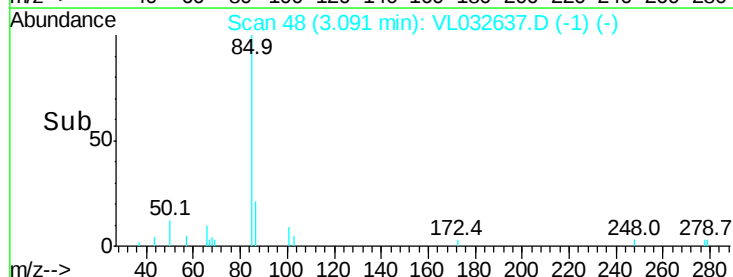
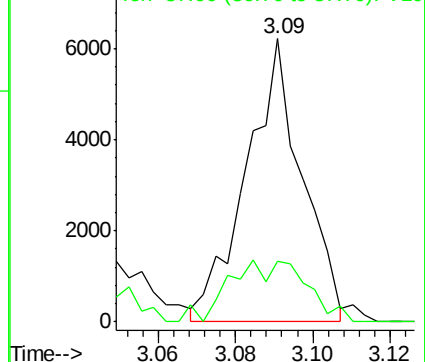
85 100

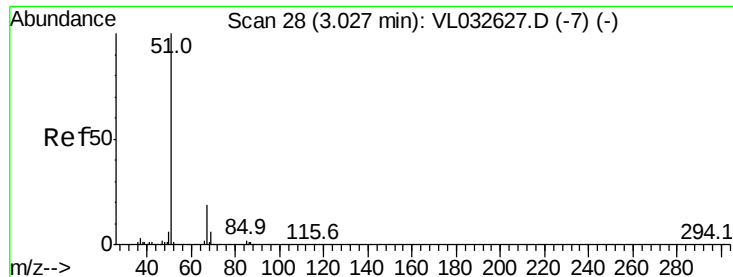
87 16.5 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.112 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

Instrument :

MSVOA_L

ClientSampleId :

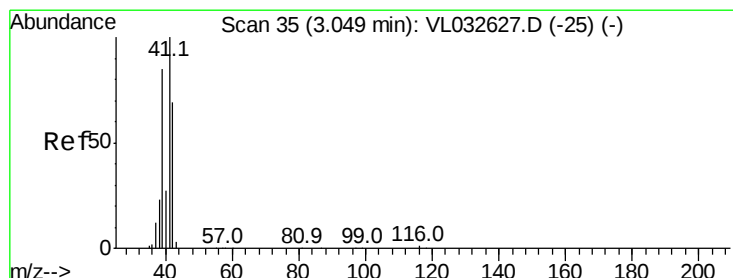
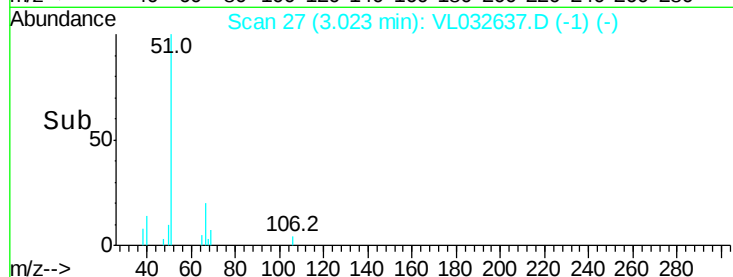
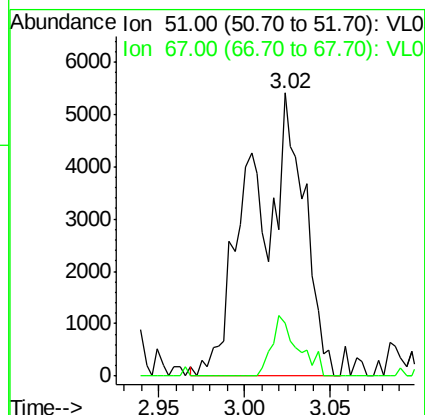
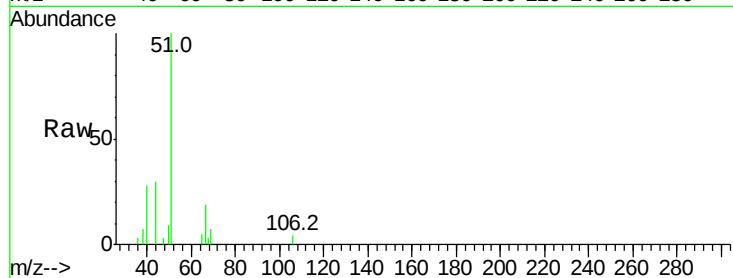
QC100918 CAN 10761

Tgt Ion: 51 Resp: 11289

Ion Ratio Lower Upper

51 100

67 10.7 15.2 22.8#



#9

Propene

Concen: 0.156 ppbv

RT: 3.06 min Scan# 38

Delta R.T. 0.01 min

Lab File: VL032637.D

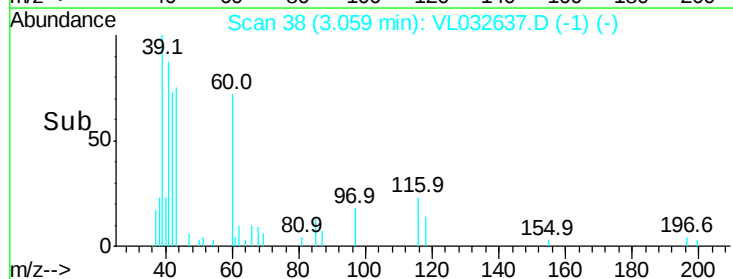
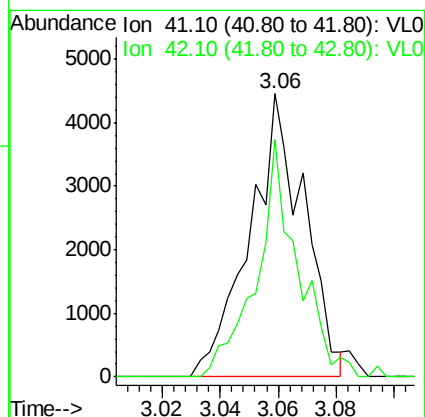
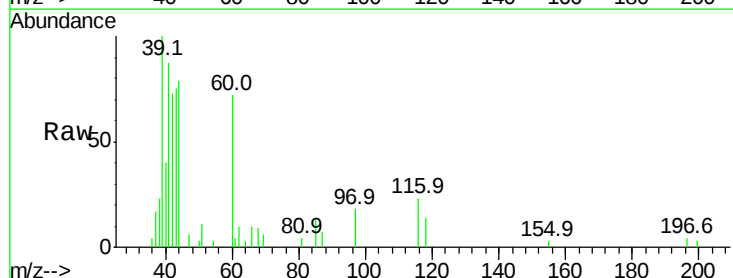
Acq: 17 Oct 2018 12:31

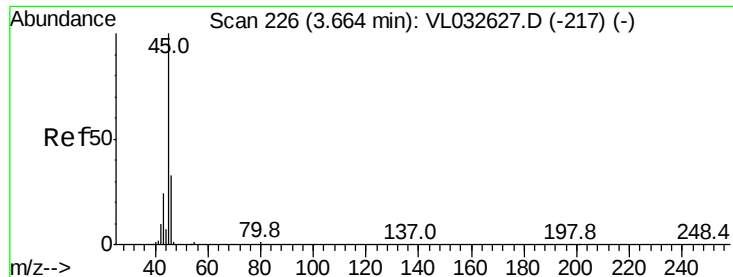
Tgt Ion: 41 Resp: 5801

Ion Ratio Lower Upper

41 100

42 64.1 55.4 83.0

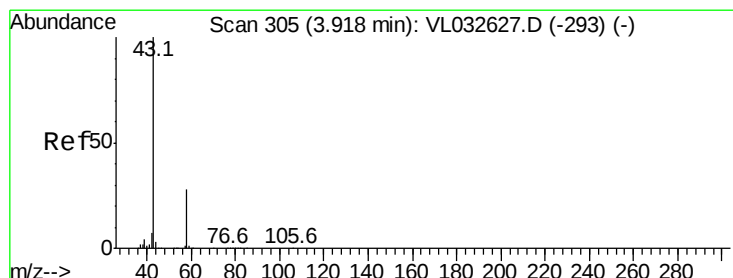
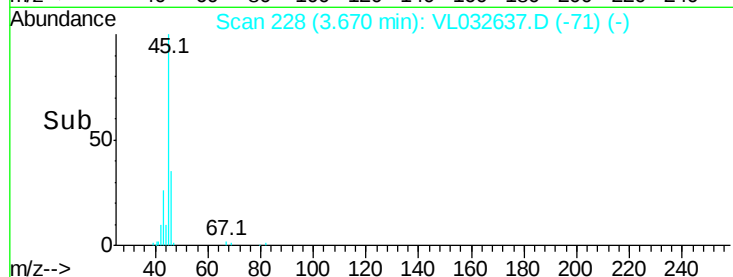
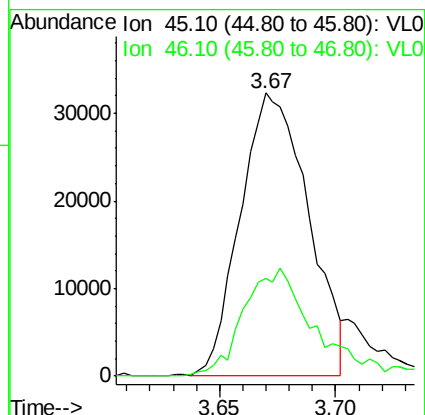
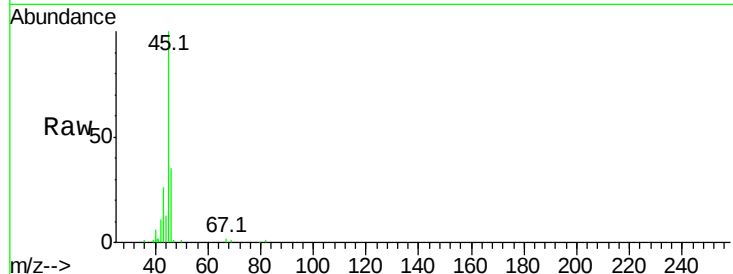




#13
Ethanol
Concen: 5.750 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

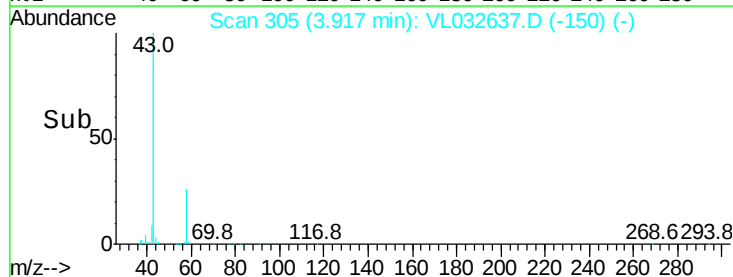
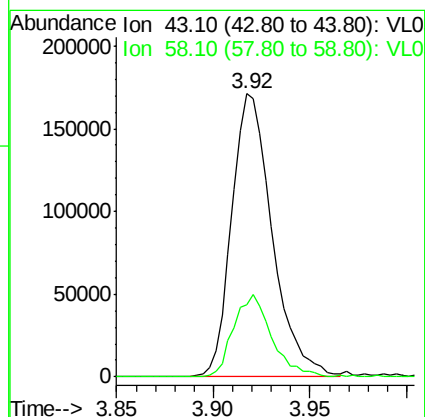
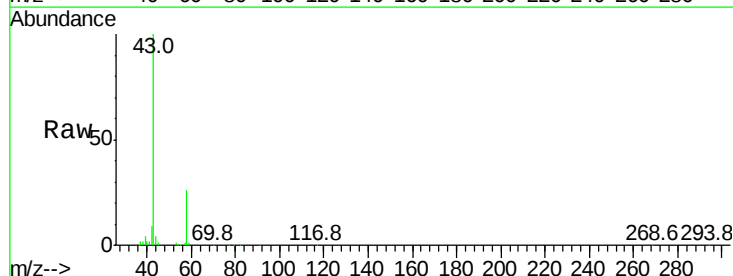
Instrument :
MSVOA_L
ClientSampleId :
QC100918 CAN 10761

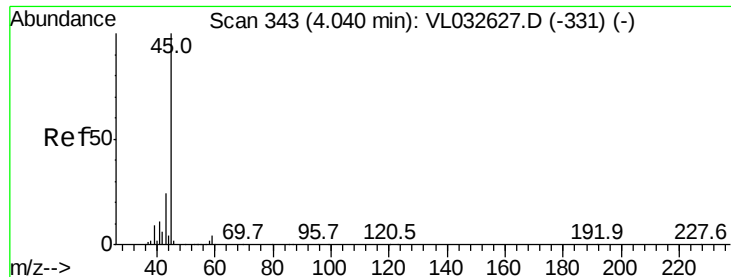
Tgt Ion: 45 Resp: 65965
Ion Ratio Lower Upper
45 100
46 41.0 15.4 61.8



#15
Acetone
Concen: 2.316 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.00 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

Tgt Ion: 43 Resp: 249081
Ion Ratio Lower Upper
43 100
58 28.0 22.1 33.1





#19

Isopropyl Alcohol

Concen: 0.071 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.02 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

Instrument :

MSVOA_L

ClientSampleId :

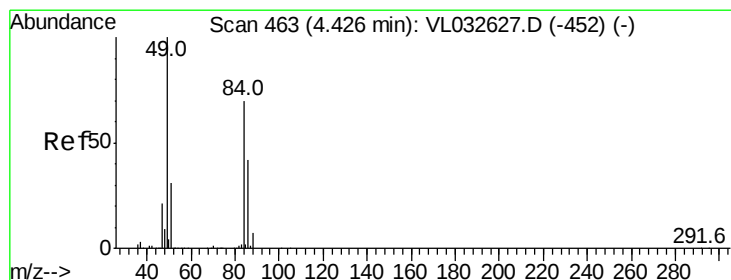
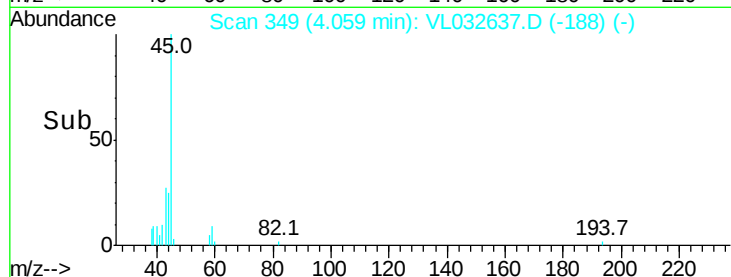
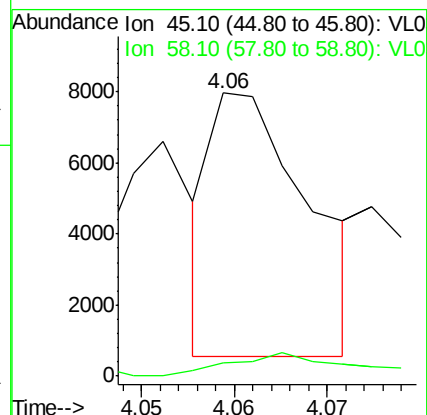
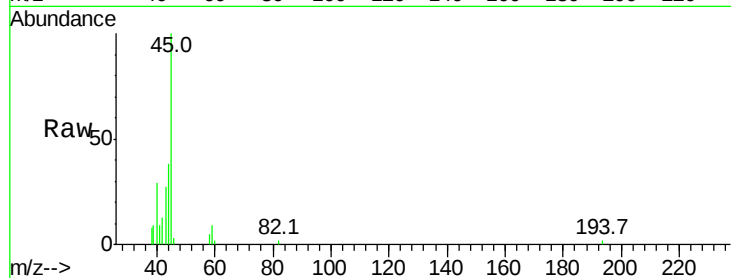
QC100918 CAN 10761

Tgt Ion: 45 Resp: 5399

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 4.757 ppbv

RT: 4.43 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

Tgt Ion: 84 Resp: 229202

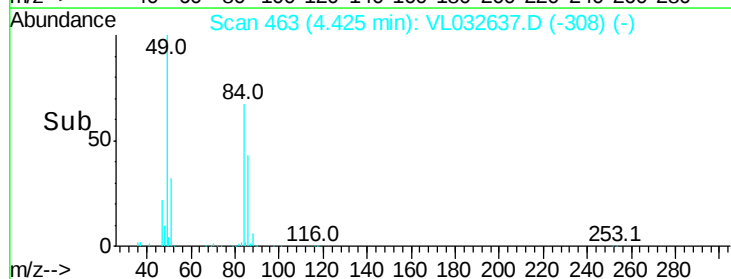
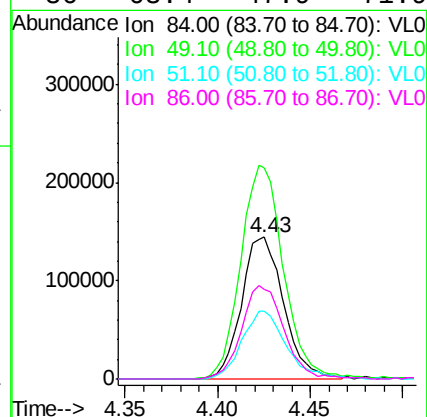
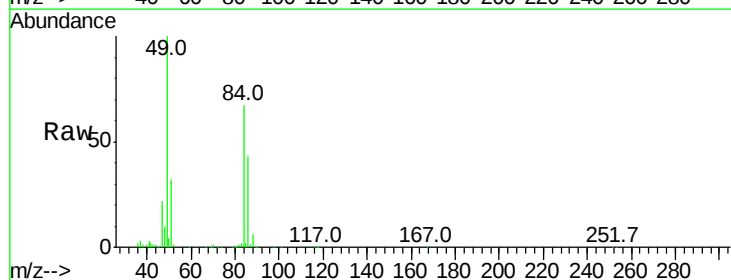
Ion Ratio Lower Upper

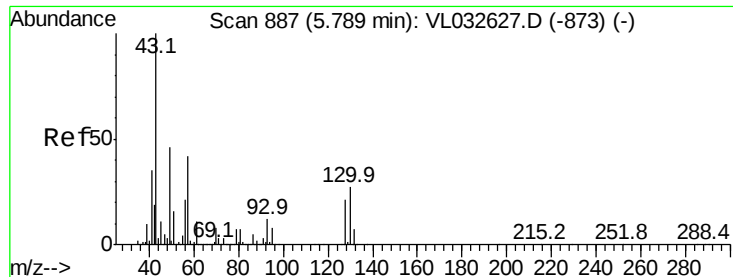
84 100

49 149.0 113.5 170.3

51 47.2 34.8 52.2

86 63.4 47.9 71.9

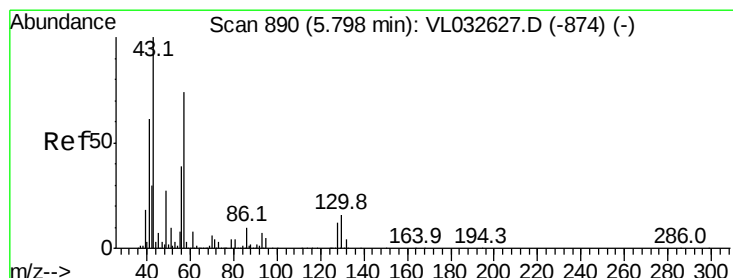
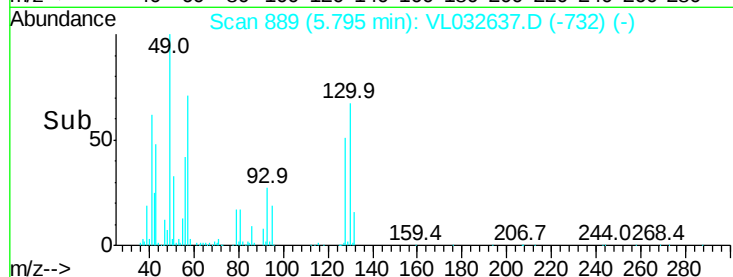
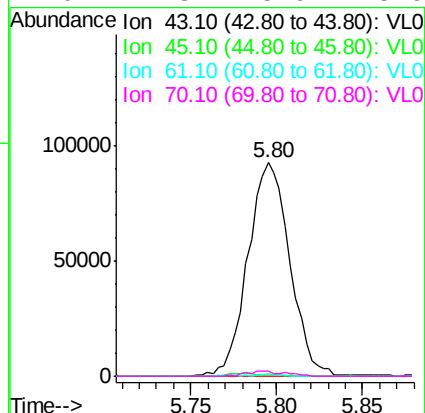
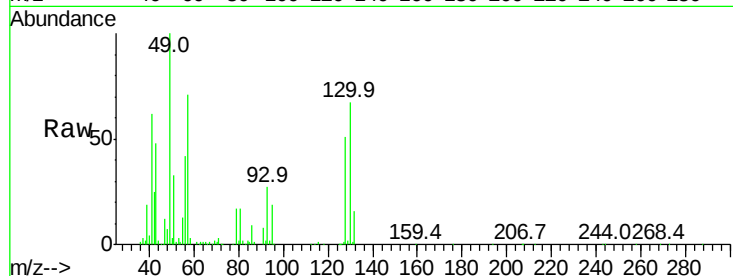




#25
Ethyl Acetate
Concen: 0.613 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.01 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

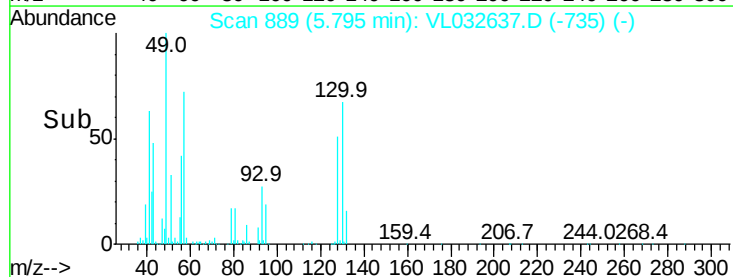
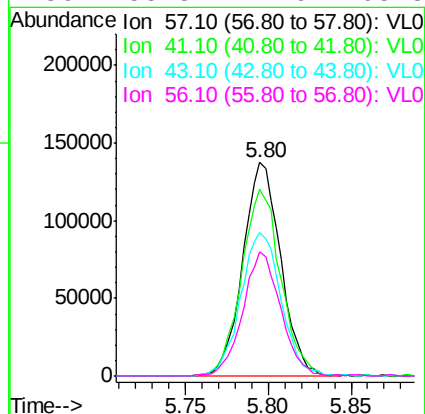
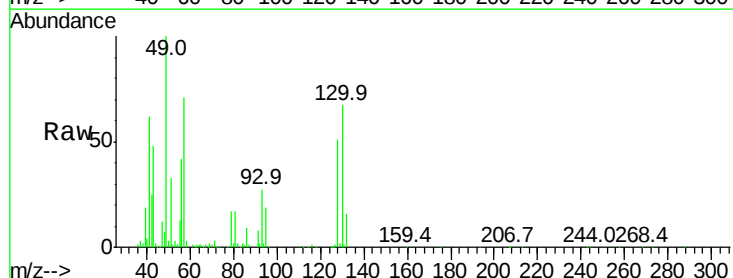
Instrument :
MSVOA_L
ClientSampleId :
QC100918 CAN 10761

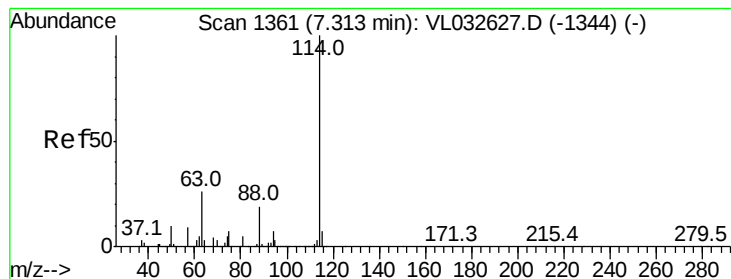
Tgt Ion:	43	Resp:	156116
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.0	12.0#
61	0.6	8.0	12.0#
70	2.3	5.9	8.9#



#26
Hexane
Concen: 1.907 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL032637.D
Acq: 17 Oct 2018 12:31

Tgt Ion:	57	Resp:	218594
Ion	Ratio	Lower	Upper
57	100		
41	90.8	67.4	101.0
43	71.8	171.9	257.9#
56	58.3	42.6	63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

Instrument :

MSVOA_L

ClientSampleId :

QC100918 CAN 10761

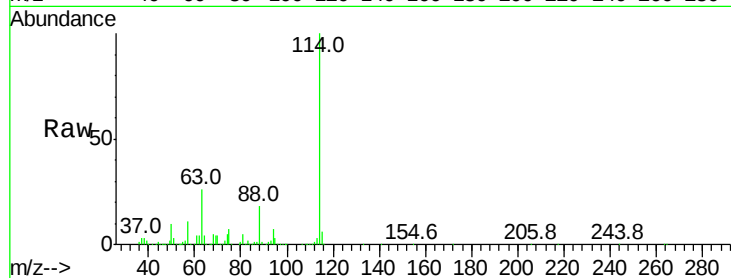
Tgt Ion:114 Resp: 2624692

Ion Ratio Lower Upper

114 100

63 26.7 21.7 32.5

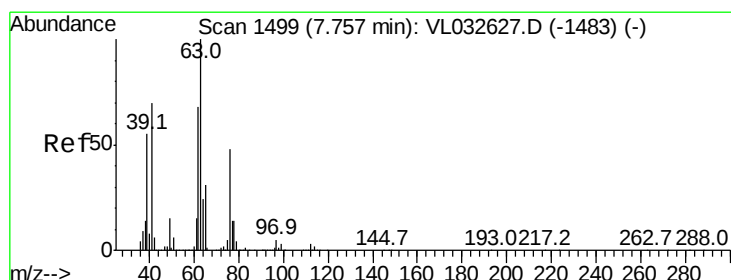
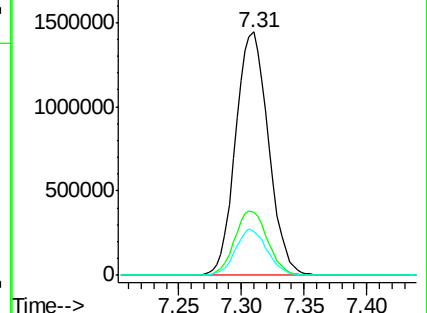
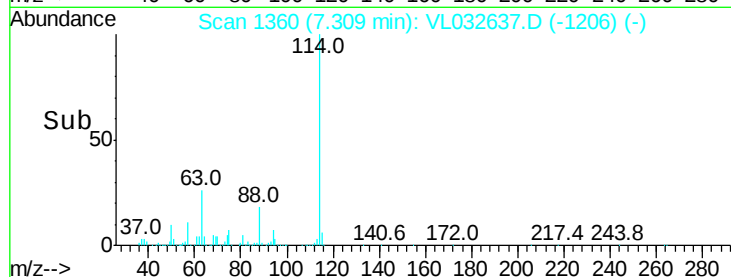
88 18.3 14.9 22.3



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 8.040 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

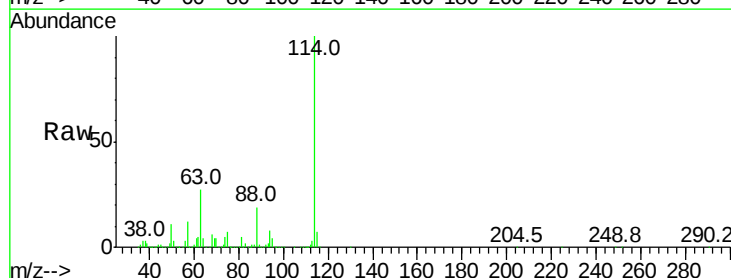
Tgt Ion: 63 Resp: 695804

Ion Ratio Lower Upper

63 100

41 0.2 56.2 84.4#

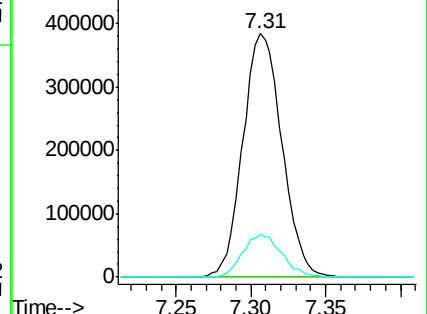
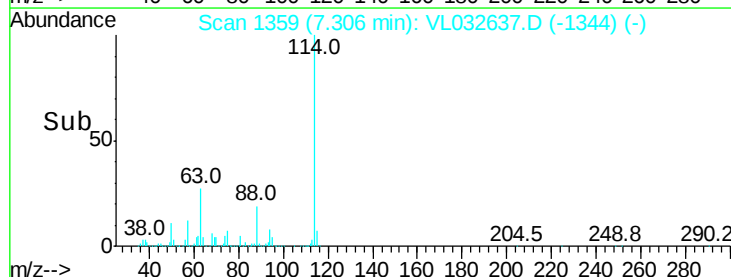
62 17.8 54.4 81.6#

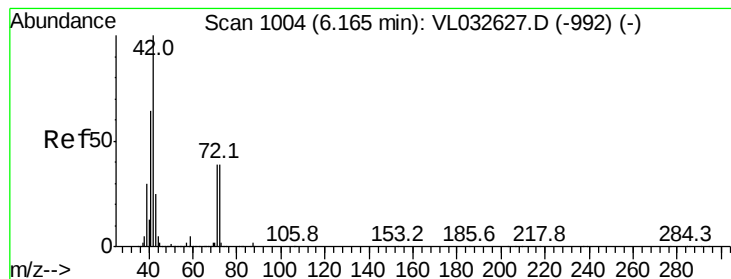


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 1.112 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.37 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

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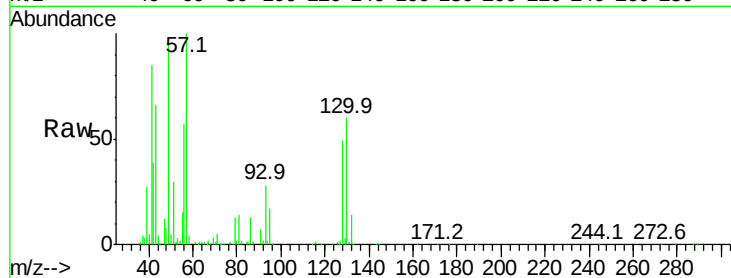
Tgt Ion: 42 Resp: 85926

Ion Ratio Lower Upper

42 100

72 1.3 32.4 48.6#

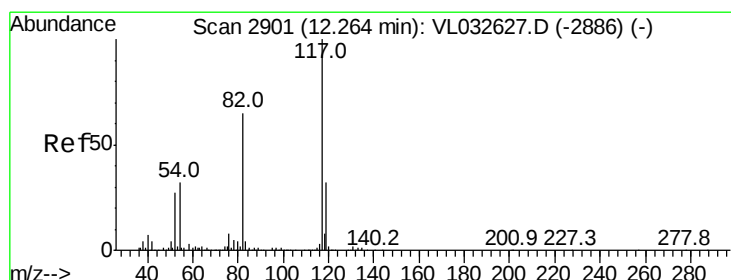
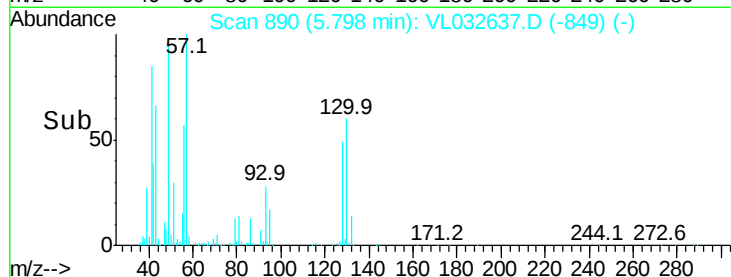
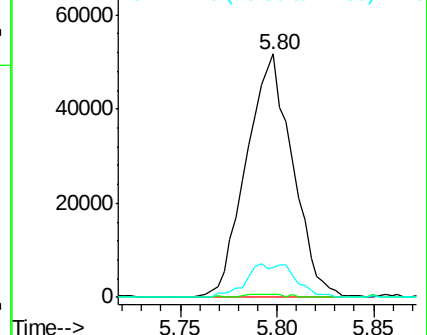
71 14.6 31.3 46.9#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL032637.D

Acq: 17 Oct 2018 12:31

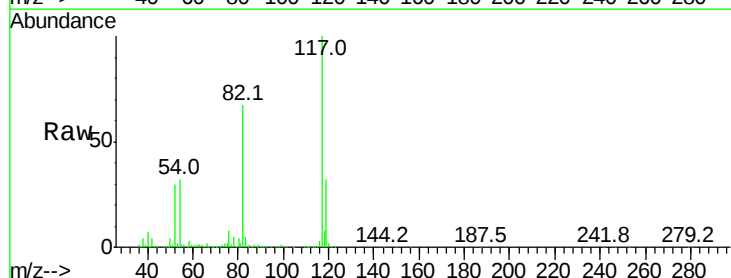
Tgt Ion: 117 Resp: 2707180

Ion Ratio Lower Upper

117 100

82 68.0 52.7 79.1

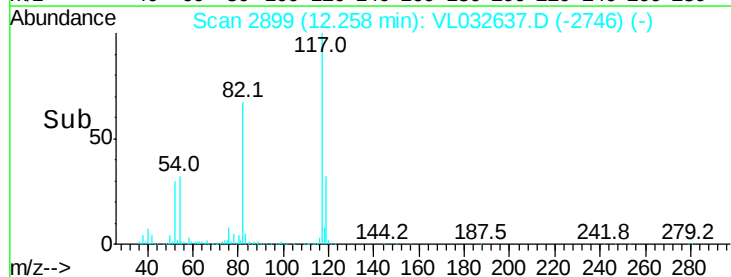
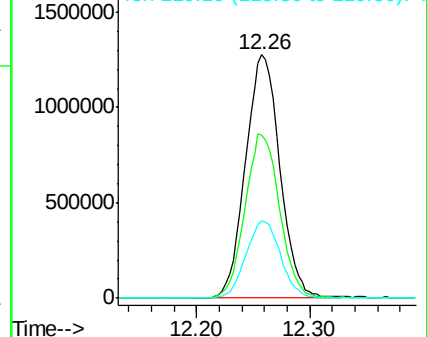
119 32.0 26.7 40.1

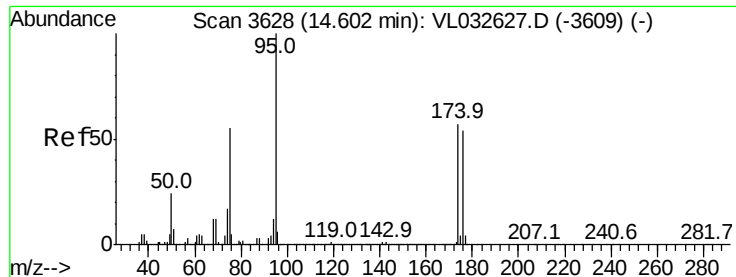


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

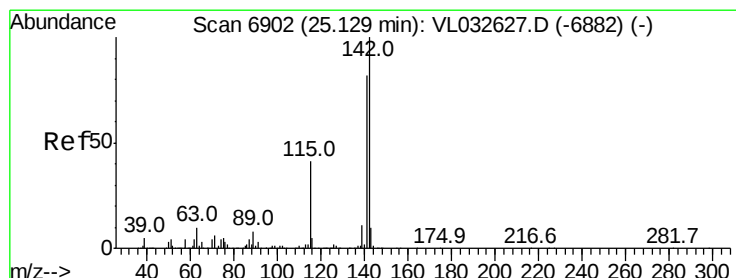
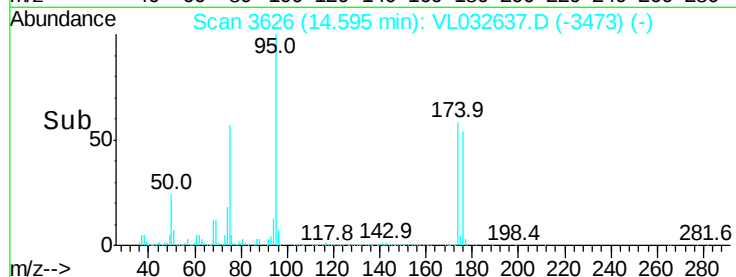
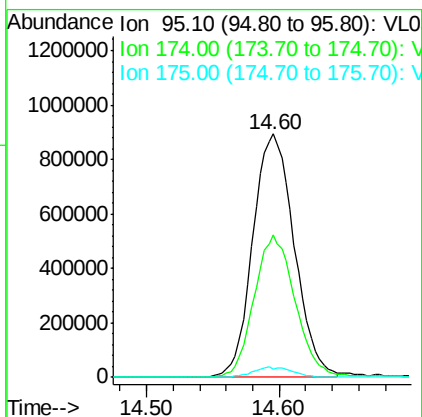
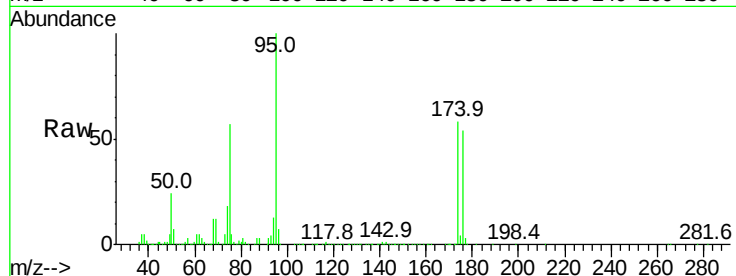




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.561 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032637.D
 Acq: 17 Oct 2018 12:31

Instrument :
 MSVOA_L
 ClientSampleId :
 QC100918 CAN 10761

Tgt Ion: 95 Resp: 1948942
 Ion Ratio Lower Upper
 95 100
 174 58.7 46.0 69.0
 175 4.1 3.4 5.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.807 ppbv
 RT: 25.14 min Scan# 6906
 Delta R.T. 0.01 min
 Lab File: VL032637.D
 Acq: 17 Oct 2018 12:31

Tgt Ion: 142 Resp: 5088
 Ion Ratio Lower Upper
 142 100
 141 88.6 67.5 101.3
 115 46.7 33.5 50.3

