

Data File : VL032602.D
Acq On : 11 Oct 2018 13:22
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 12 01:53:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1391196	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3042420	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3251303	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2244311	9.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

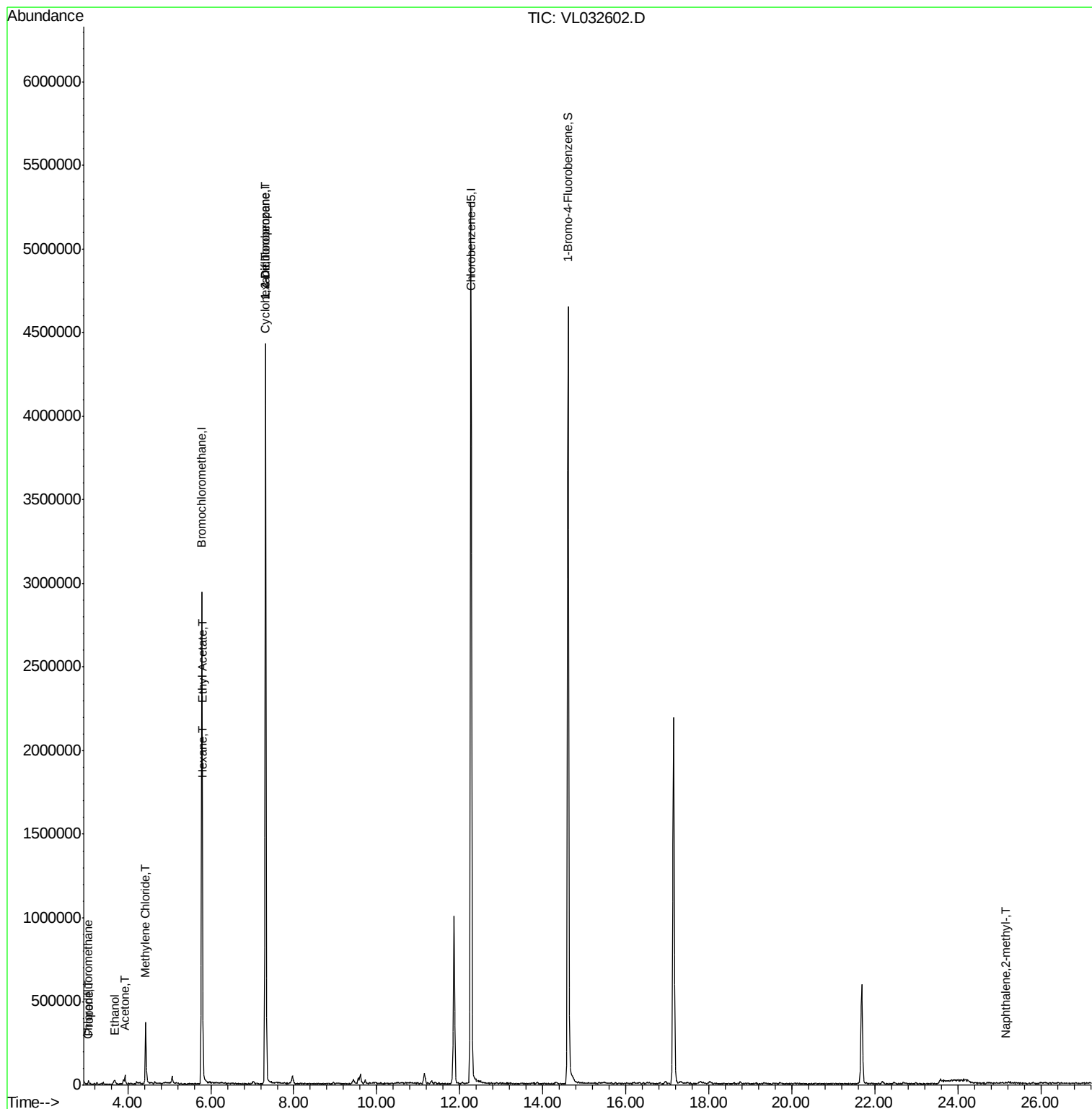
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	3500	0.030	ppbv #	80
9) Propene	3.07	41	1793	0.036	ppbv	94
13) Ethanol	3.68	45	16226	1.075	ppbv #	39
15) Acetone	3.93	43	51009	0.418	ppbv	98
20) Methylene Chloride	4.43	84	112972	1.910	ppbv	93
25) Ethyl Acetate	5.80	43	17144	0.058	ppbv #	78
26) Hexane	5.81	57	33515	0.250	ppbv #	42
30) Cyclohexane	7.30	84	5060	0.046	ppbv #	3
39) 1,2-Dichloropropane	7.32	63	821599	7.415	ppbv #	26
80) Naphthalene,2-methyl-	25.15	142	2334	0.036	ppbv	86

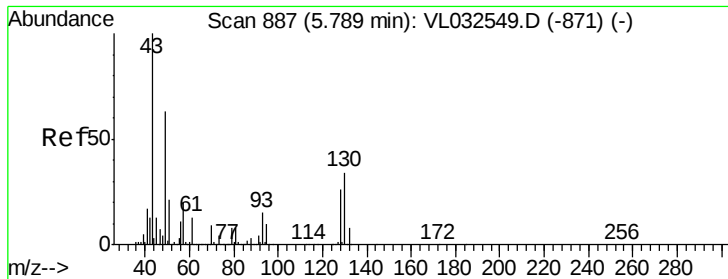
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032602.D

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Instrument :

MSVOA_L

ClientSampleId :

QC100918 CAN 10761

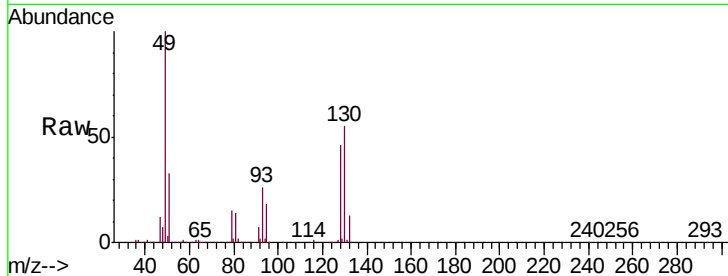
Tgt Ion: 49 Resp: 1391196

Ion Ratio Lower Upper

49 100

128 45.4 20.7 62.1

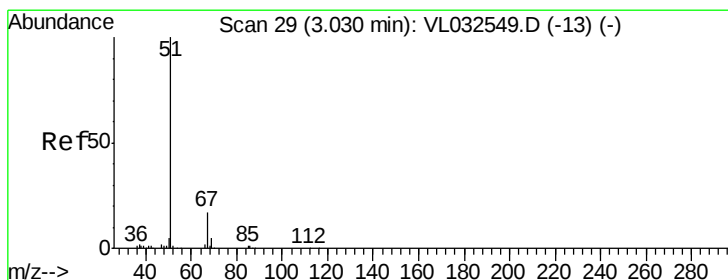
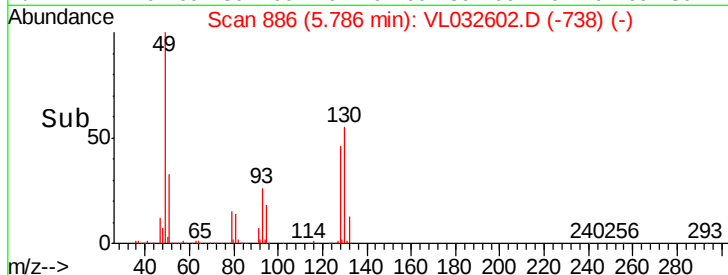
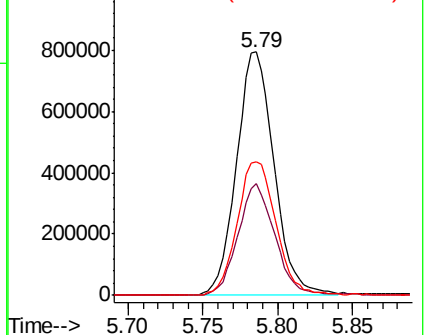
130 57.7 26.6 79.7



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



#3

Chlorodifluoromethane

Concen: 0.030 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032602.D

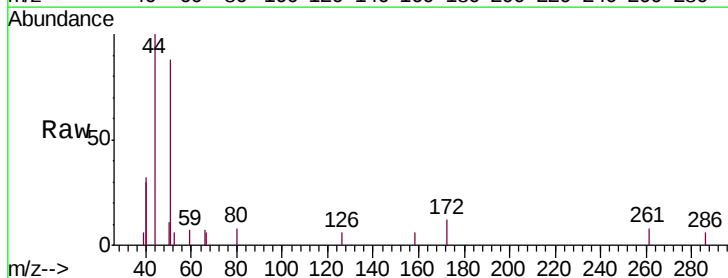
Acq: 11 Oct 2018 13:22

Tgt Ion: 51 Resp: 3500

Ion Ratio Lower Upper

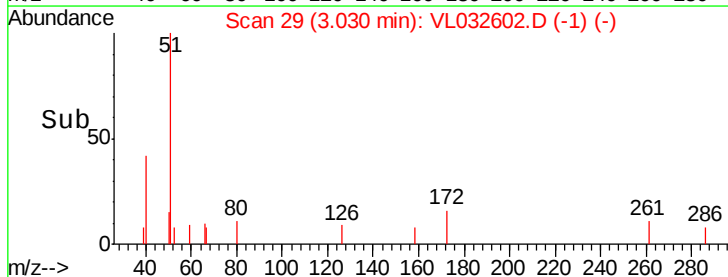
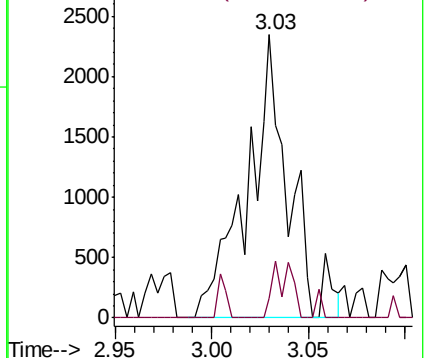
51 100

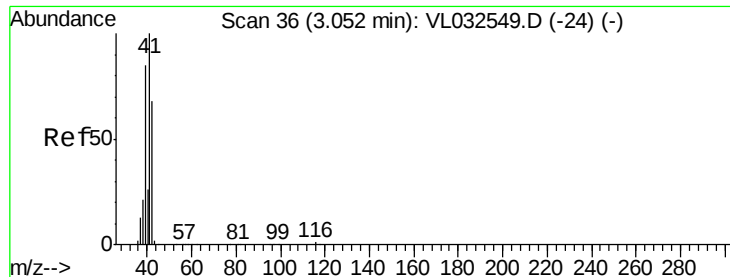
67 8.6 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.036 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

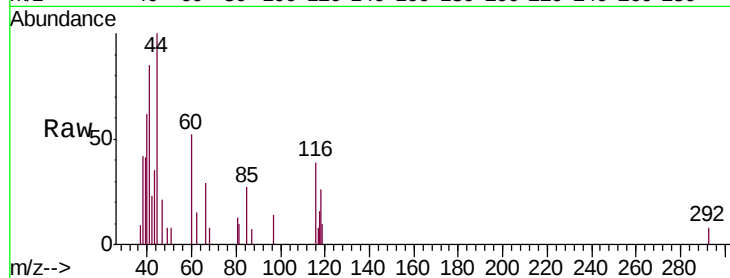
QC100918 CAN 10761

Tgt Ion: 41 Resp: 1793

Ion Ratio Lower Upper

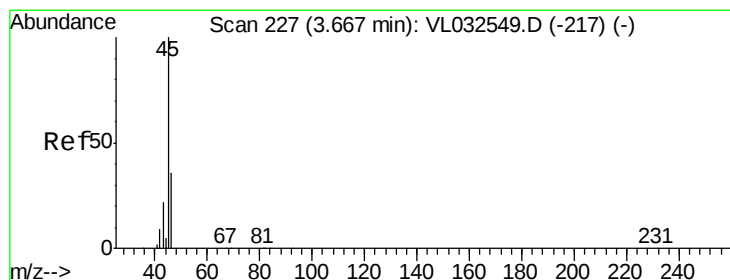
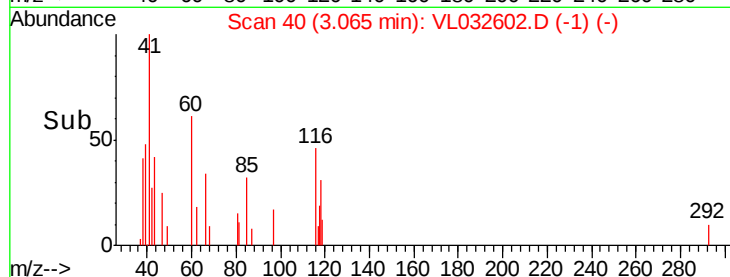
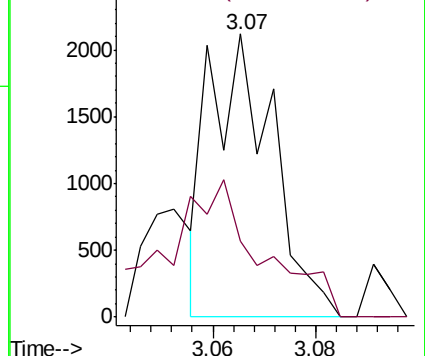
41 100

42 75.8 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 1.075 ppbv

RT: 3.68 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL032602.D

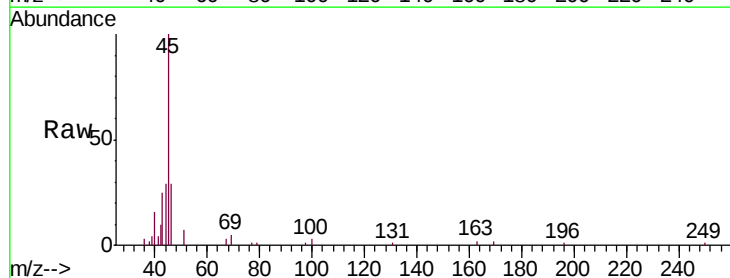
Acq: 11 Oct 2018 13:22

Tgt Ion: 45 Resp: 16226

Ion Ratio Lower Upper

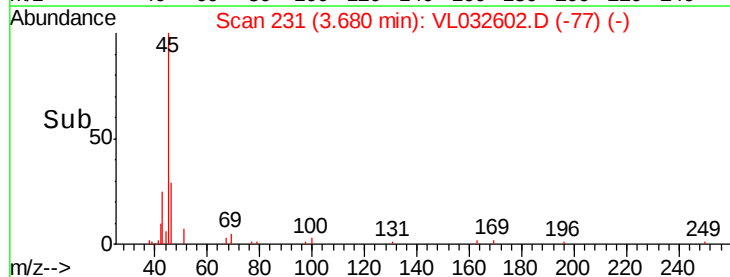
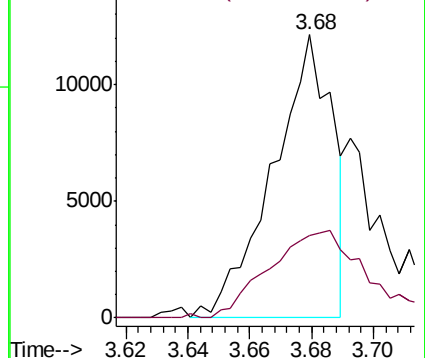
45 100

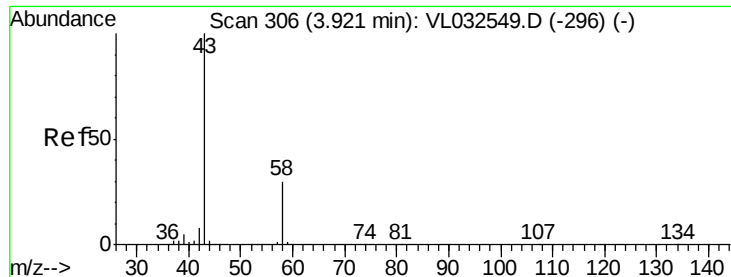
46 0.0 14.2 56.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.418 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

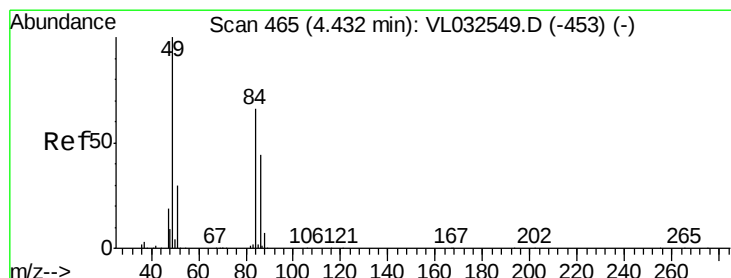
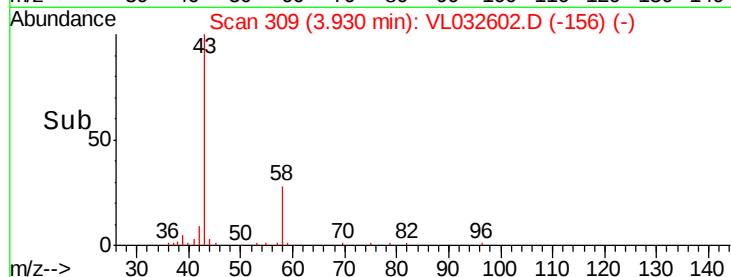
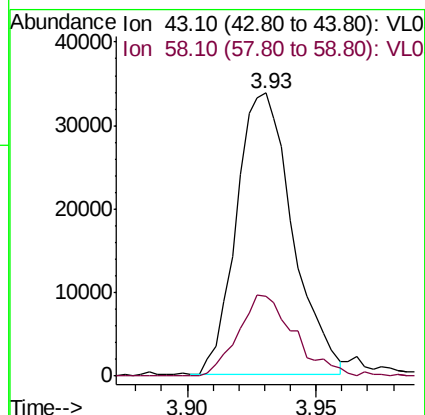
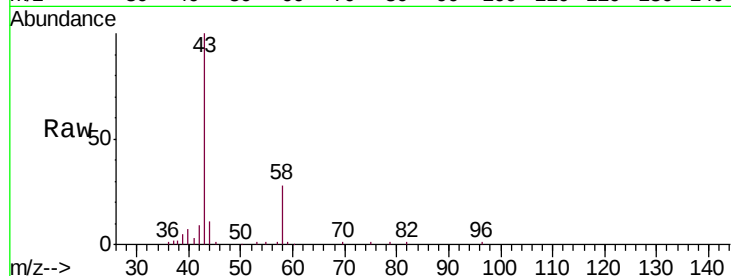
QC100918 CAN 10761

Tgt Ion: 43 Resp: 51009

Ion Ratio Lower Upper

43 100

58 29.1 22.6 33.8



#20

Methylene Chloride

Concen: 1.910 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

Tgt Ion: 84 Resp: 112972

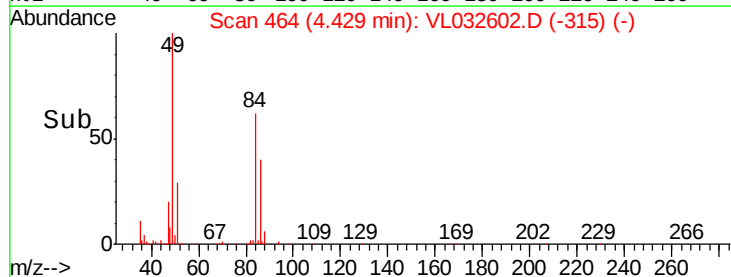
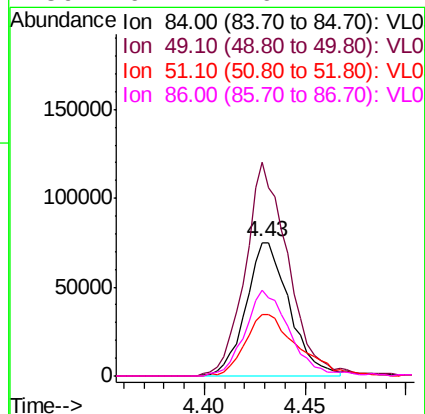
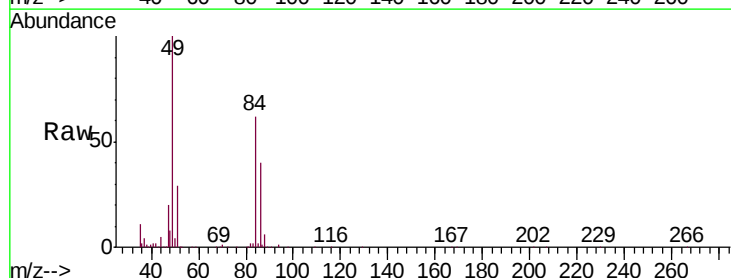
Ion Ratio Lower Upper

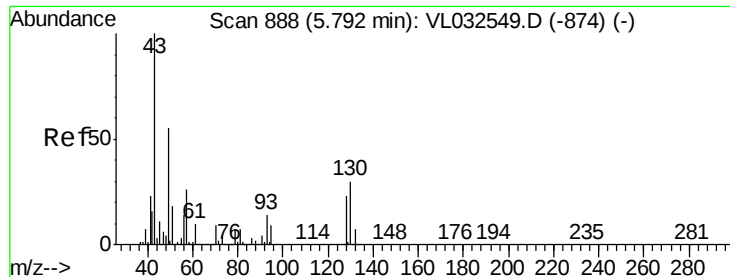
84 100

49 160.3 119.1 178.7

51 46.4 35.2 52.8

86 64.4 49.4 74.2

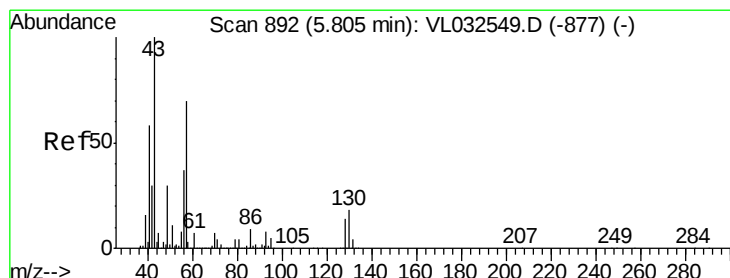
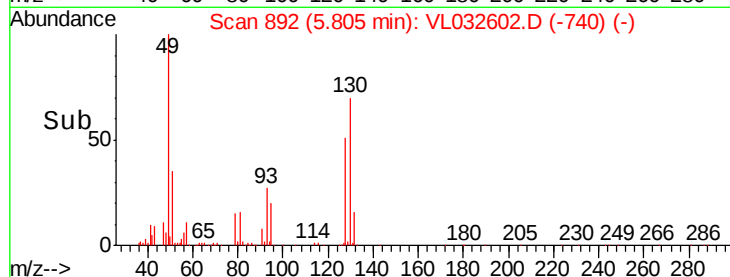
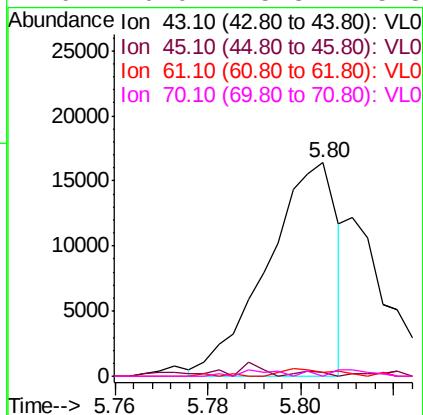
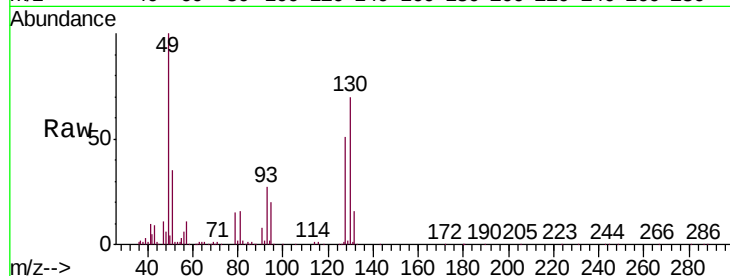




#25
Ethyl Acetate
Concen: 0.058 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL032602.D
Acq: 11 Oct 2018 13:22

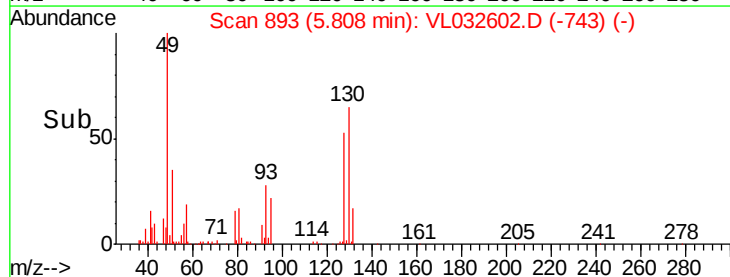
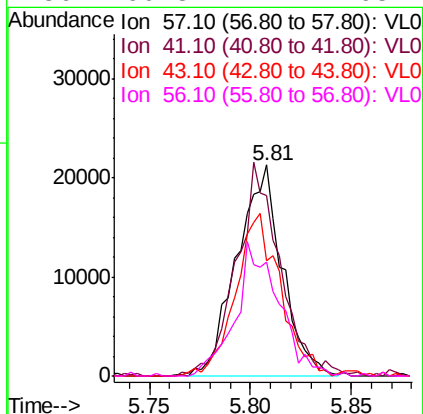
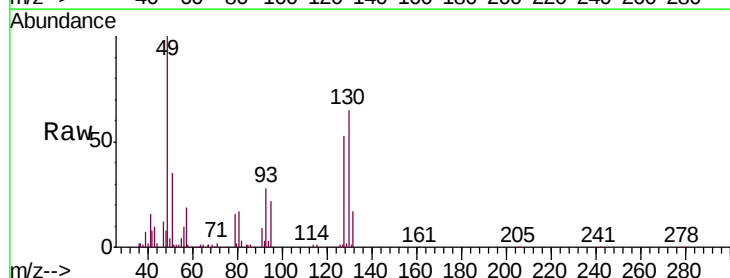
Instrument :
MSVOA_L
ClientSampleId :
QC100918 CAN 10761

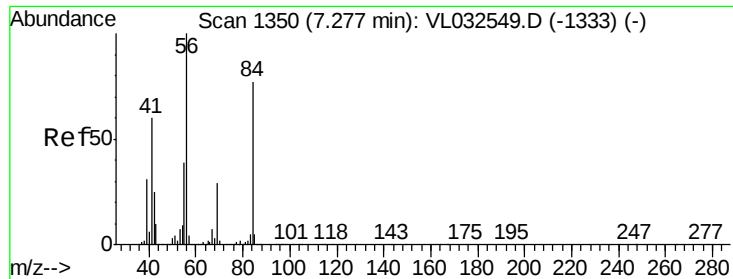
Tgt Ion:	43	Resp:	17144
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	3.3	7.6	11.4#
70	0.0	5.8	8.8#



#26
Hexane
Concen: 0.250 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032602.D
Acq: 11 Oct 2018 13:22

Tgt Ion:	57	Resp:	33515
Ion	Ratio	Lower	Upper
57	100		
41	99.0	69.0	103.4
43	77.9	172.1	258.1#
56	60.8	42.2	63.2

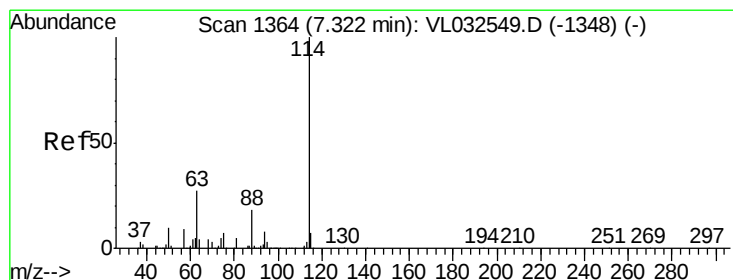
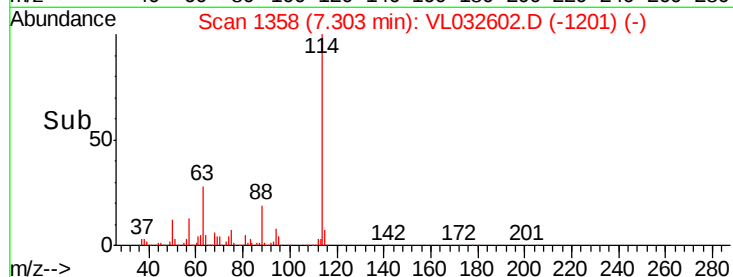
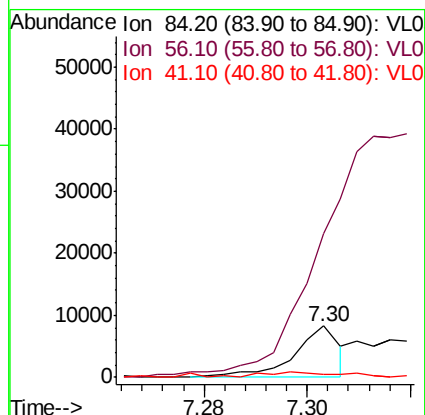
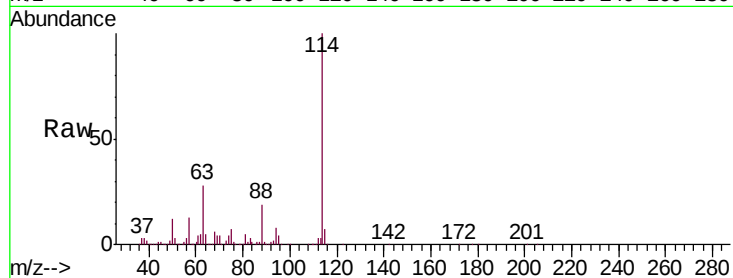




#30
Cyclohexane
Concen: 0.046 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032602.D
Acq: 11 Oct 2018 13:22

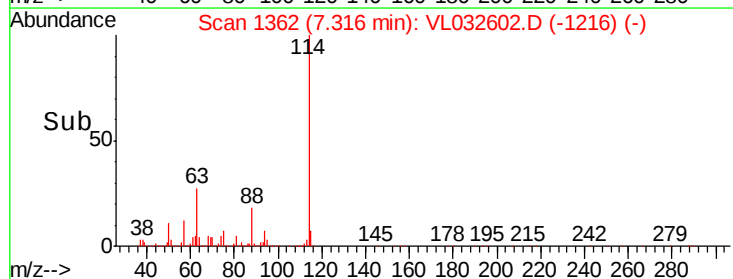
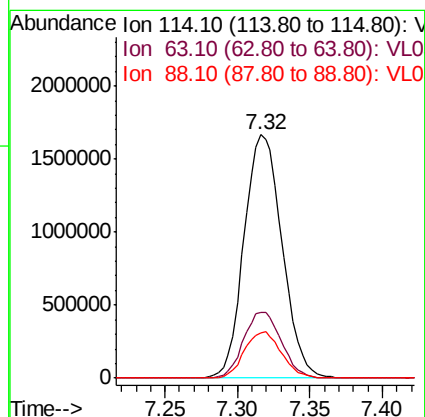
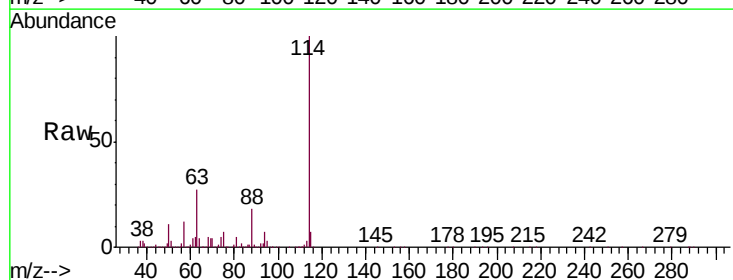
Instrument :
MSVOA_L
ClientSampleId :
QC100918 CAN 10761

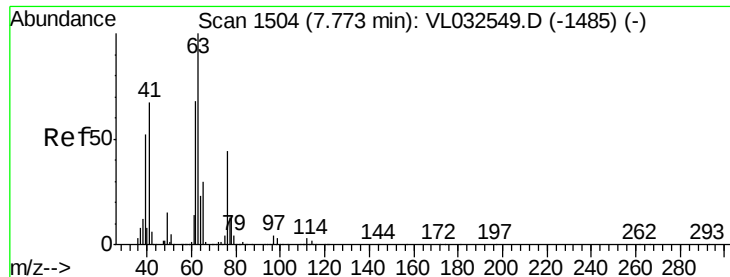
Tgt Ion: 84 Resp: 5060
Ion Ratio Lower Upper
84 100
56 0.0 113.5 170.3#
41 24.4 68.1 102.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032602.D
Acq: 11 Oct 2018 13:22

Tgt Ion: 114 Resp: 3042420
Ion Ratio Lower Upper
114 100
63 27.1 22.2 33.4
88 18.5 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.415 ppbv

RT: 7.32 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

QC100918 CAN 10761

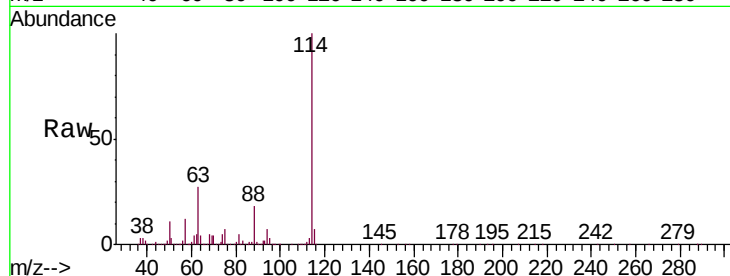
Tgt Ion: 63 Resp: 821599

Ion Ratio Lower Upper

63 100

41 0.0 55.4 83.0#

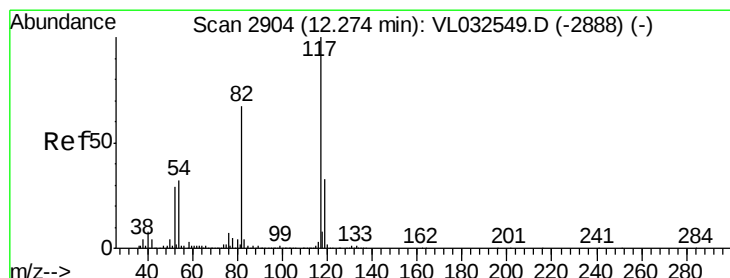
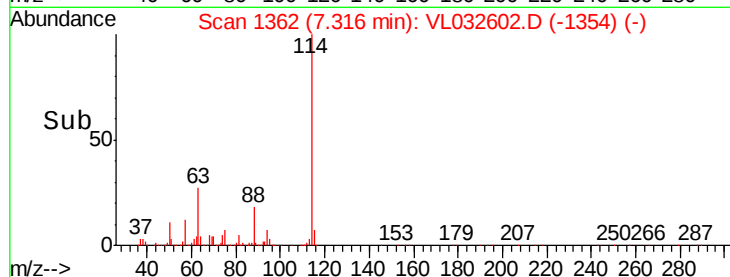
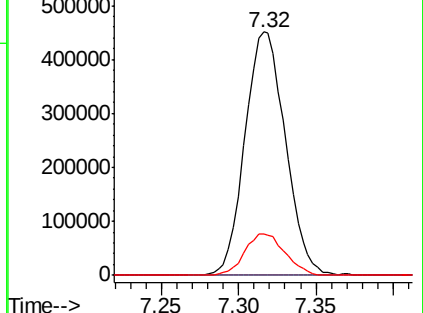
62 16.9 55.4 83.0#



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: 12.27 min Scan# 2902

Delta R.T. -0.03 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

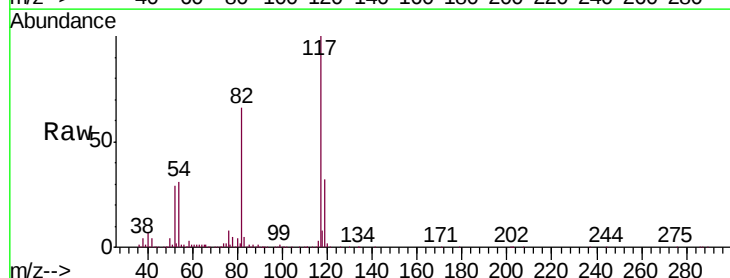
Tgt Ion: 117 Resp: 3251303

Ion Ratio Lower Upper

117 100

82 66.3 53.0 79.6

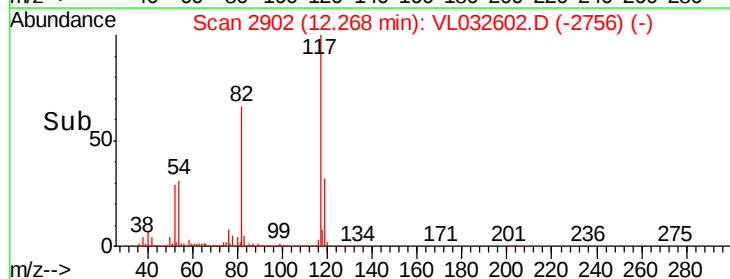
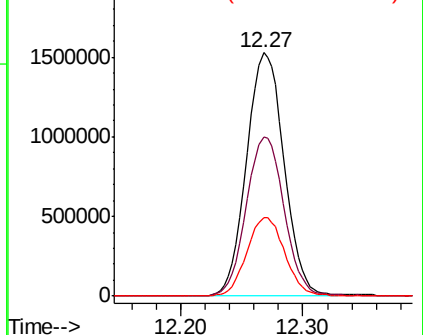
119 32.8 45.9 68.9#

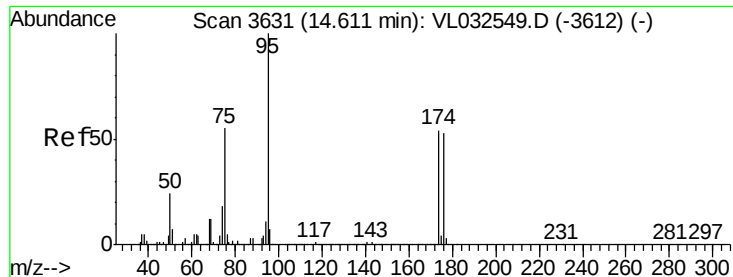


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.153 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

Instrument :

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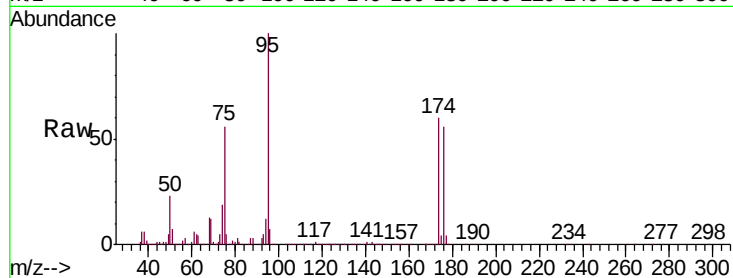
Tgt Ion: 95 Resp: 2244311

Ion Ratio Lower Upper

95 100

174 60.1 46.3 69.5

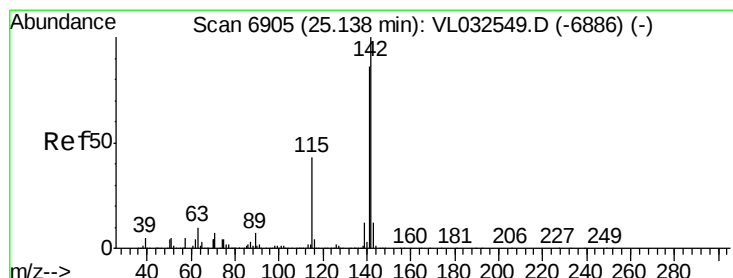
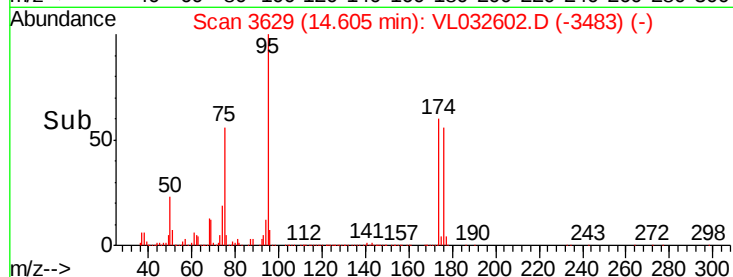
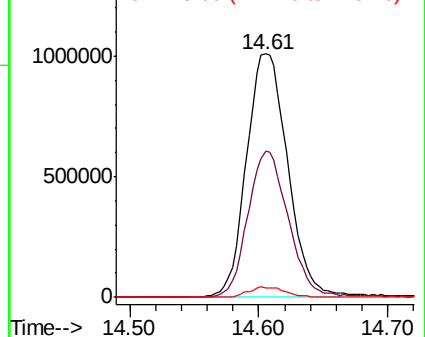
175 4.0 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL032549.D (-3612) (-)

Ion 174.00 (173.70 to 174.70): VL032549.D (-3612) (-)

Ion 175.00 (174.70 to 175.70): VL032549.D (-3612) (-)



#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

RT: 25.15 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL032602.D

Acq: 11 Oct 2018 13:22

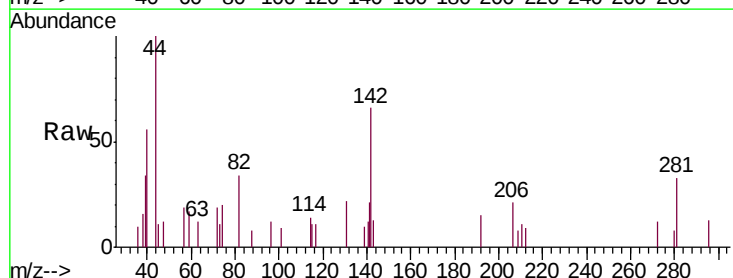
Tgt Ion: 142 Resp: 2334

Ion Ratio Lower Upper

142 100

141 97.4 67.0 100.6

115 45.4 31.3 46.9



Abundance Ion 142.00 (141.70 to 142.70): VL032549.D (-6886) (-)

Ion 141.00 (140.70 to 141.70): VL032549.D (-6886) (-)

Ion 115.00 (114.70 to 115.70): VL032549.D (-6886) (-)

