

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032460.D
 Acq On : 5 Sep 2018 16:41
 Operator : SY/AP
 Sample : OC 082718 CAN 10292
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC 082718 CAN 10292

Quant Time: Sep 06 05:28:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1621411	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3215876	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	2989911	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2304004	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

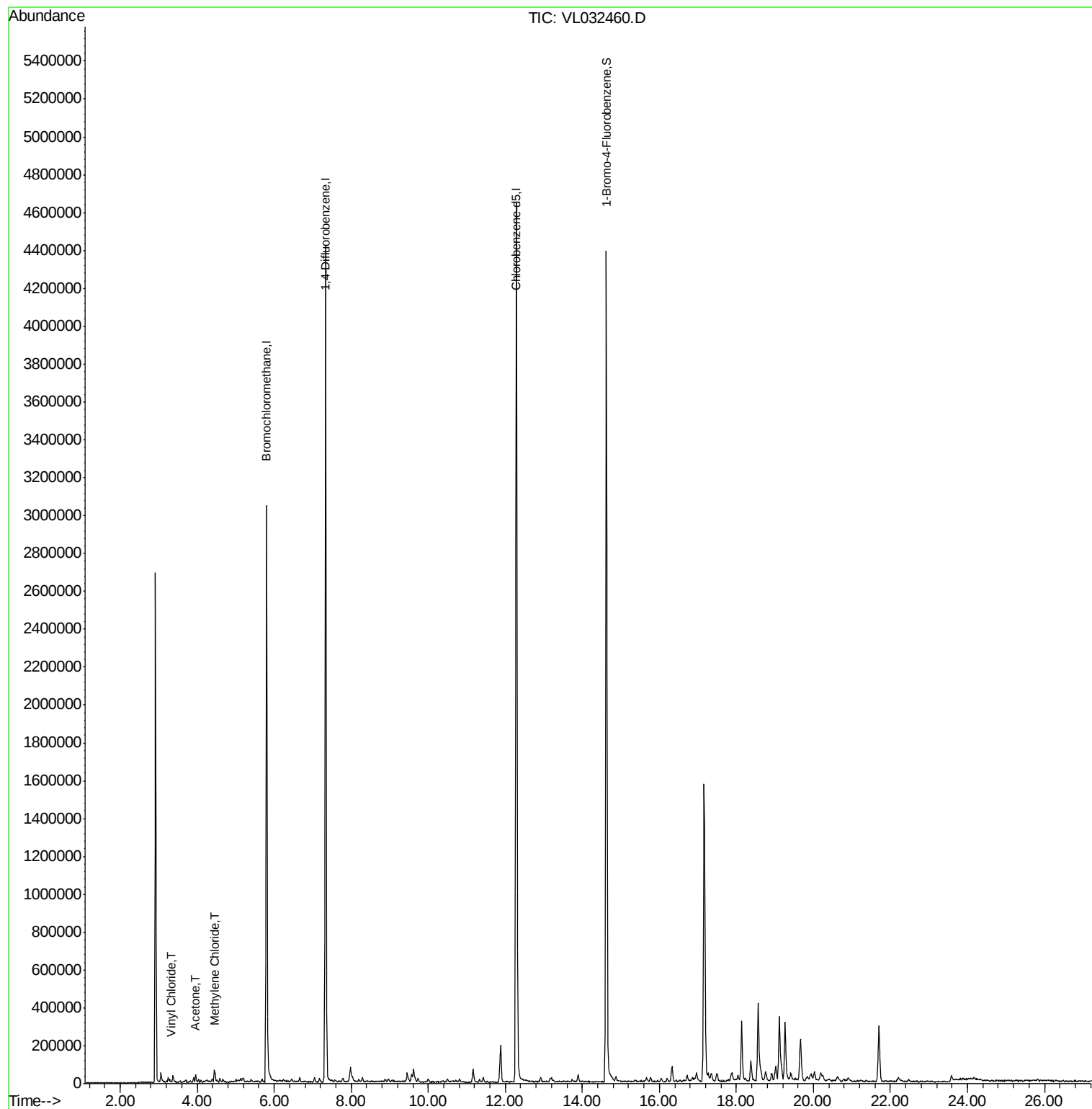
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.32	62	4346	0.05	ppbv	# 74
15) Acetone	3.96	43	37909	0.26	ppbv	97
20) Methylene Chloride	4.44	84	17067	0.31	ppbv	97

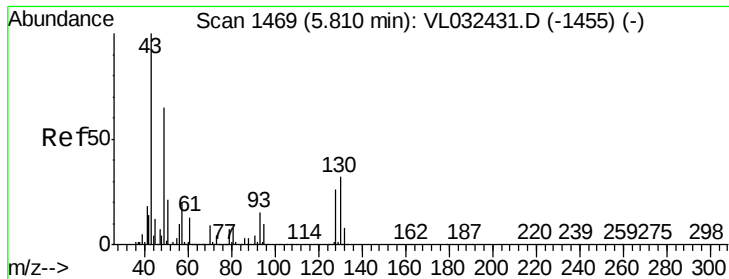
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

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ClientSampleId :

QC 082718 CAN 10292

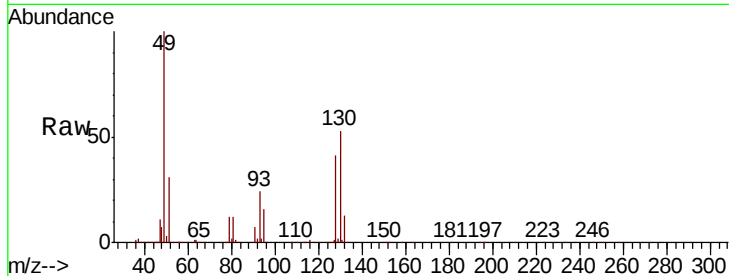
Tot Ion: 49 Resp: 1621411

Ion Ratio Lower Upper

49 100

128 41.4 20.7 62.1

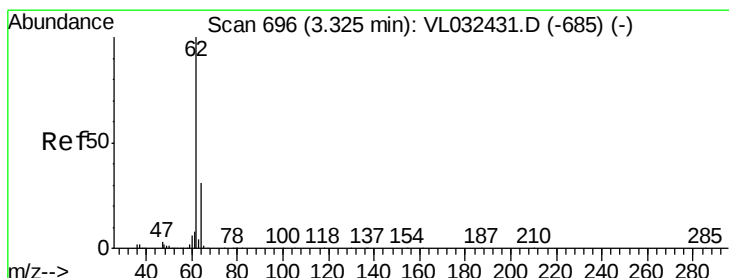
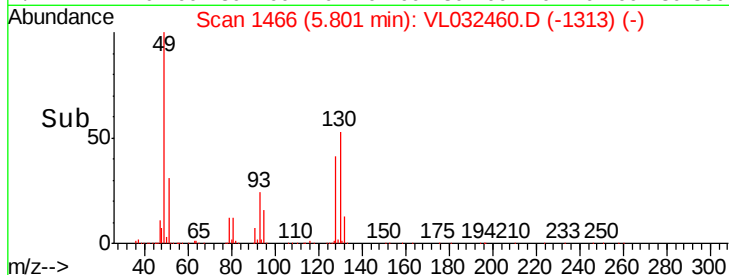
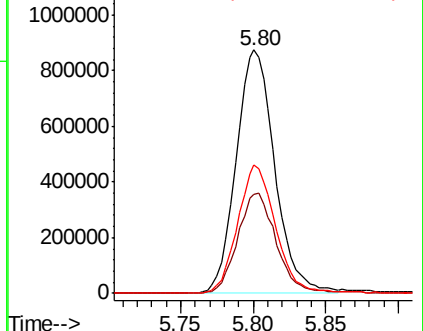
130 52.1 26.6 79.7



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



#5

Vinyl Chloride

Concen: 0.05 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032460.D

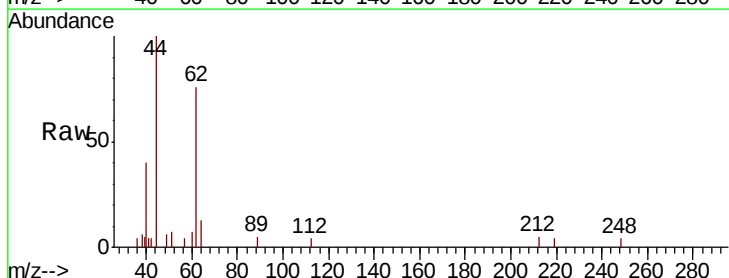
Acq: 5 Sep 2018 16:41

Tgt Ion: 62 Resp: 4346

Ion Ratio Lower Upper

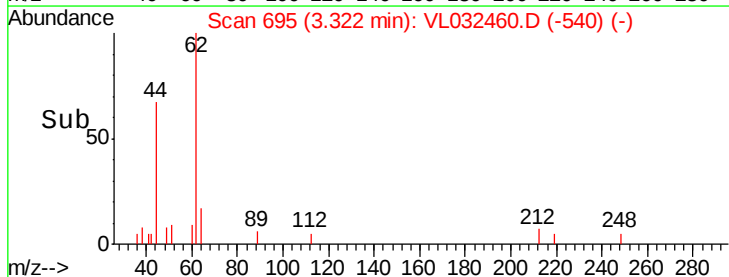
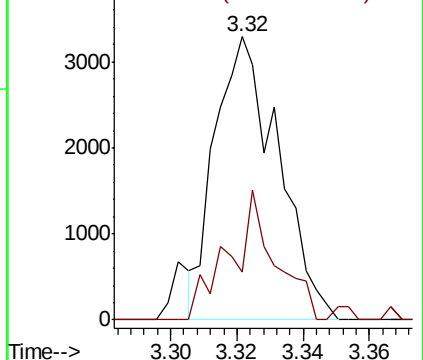
62 100

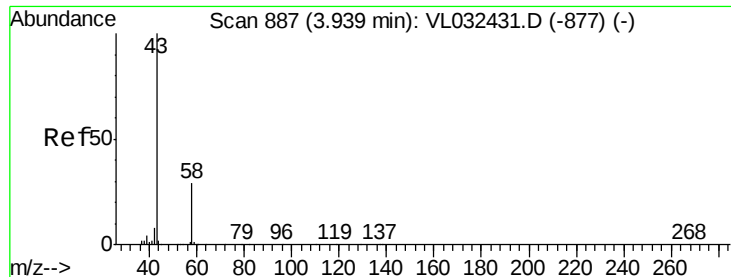
64 16.8 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#15

Acetone

Concen: 0.26 ppbv

RT: 3.96 min Scan# 893

Delta R.T. 0.02 min

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ClientSampleId :

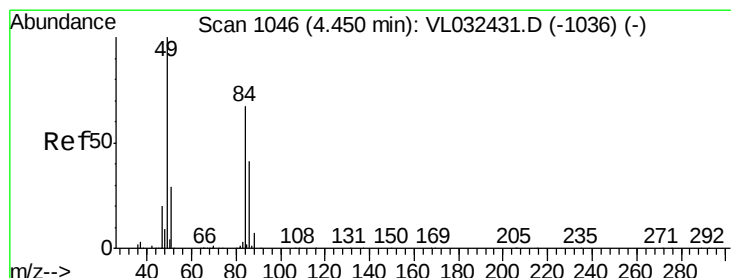
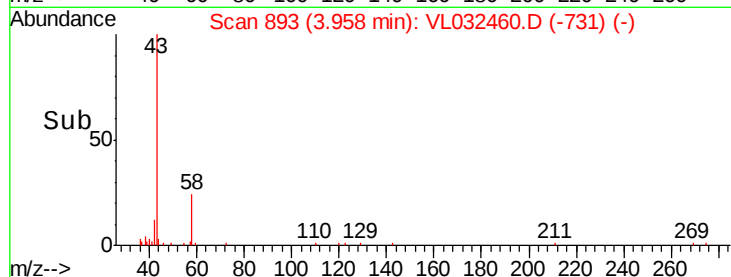
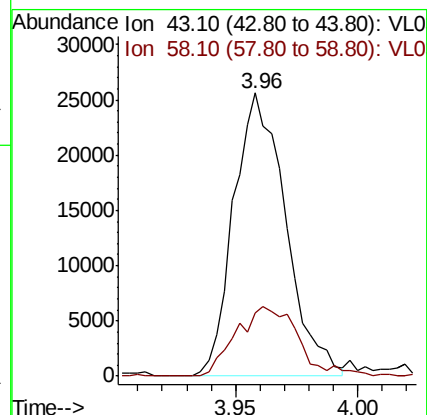
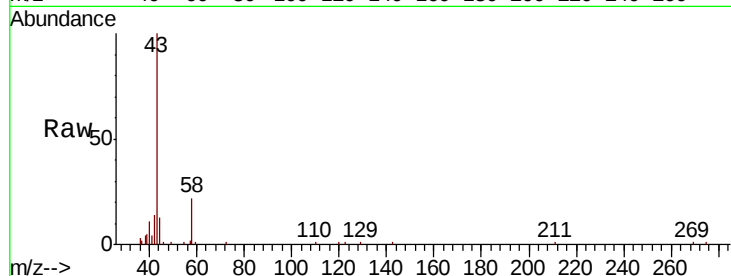
QC 082718 CAN 10292

Tot Ion: 43 Resp: 37909

Ion Ratio Lower Upper

43 100

58 29.8 22.6 33.8



#20

Methylene Chloride

Concen: 0.31 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032460.D

Acq: 5 Sep 2018 16:41

Tgt Ion: 84 Resp: 17067

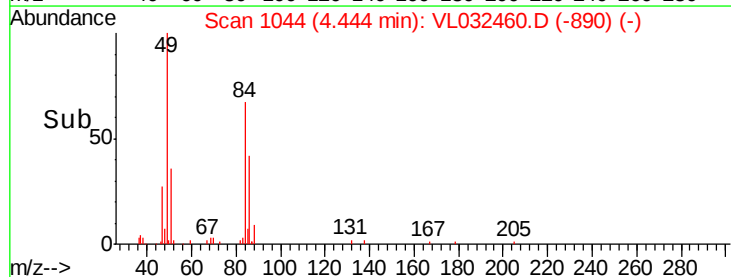
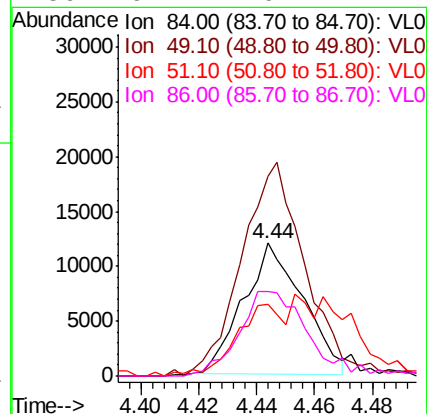
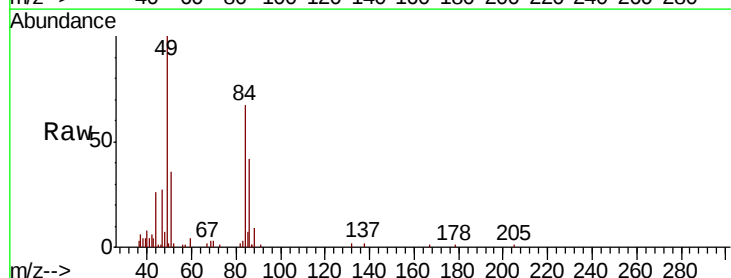
Ion Ratio Lower Upper

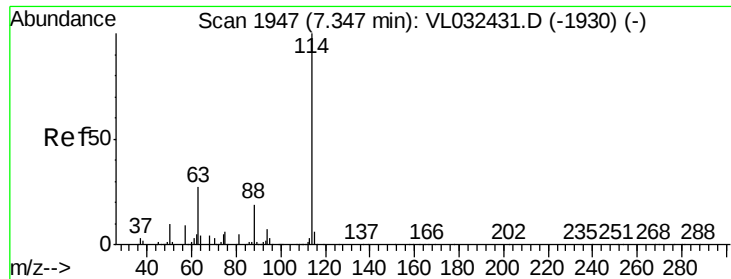
84 100

49 147.8 119.1 178.7

51 50.6 35.2 52.8

86 62.7 49.4 74.2

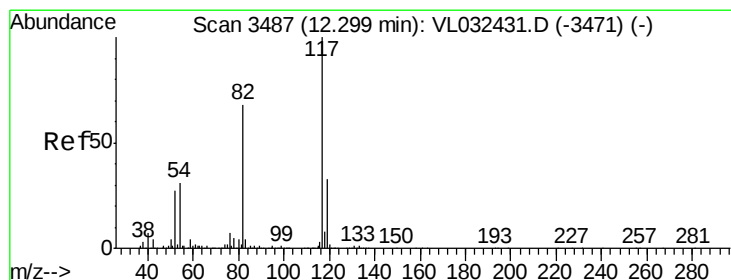
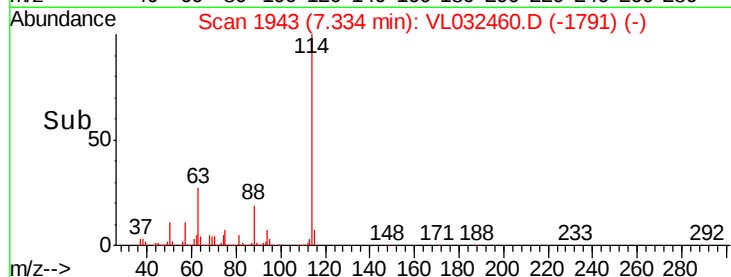
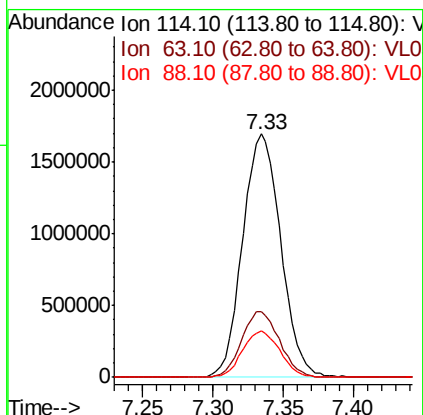
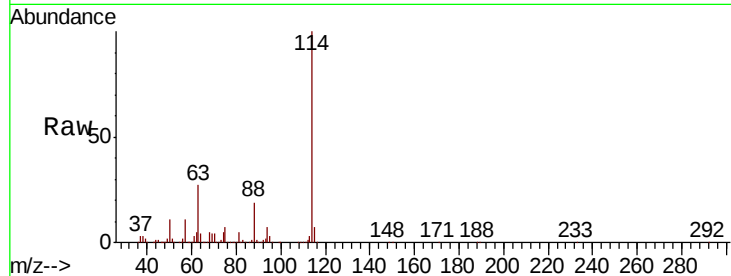




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.33 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VL032460.D
 Acq: 5 Sep 2018 16:41

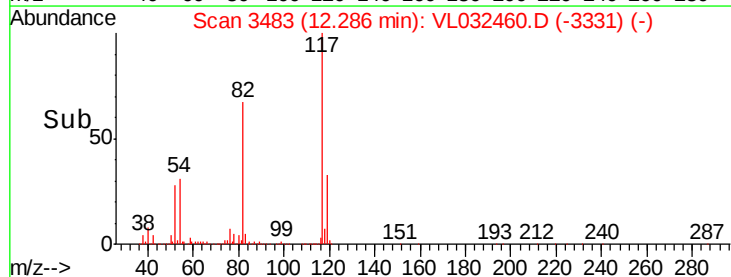
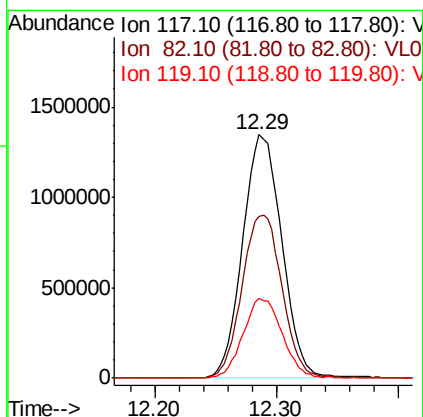
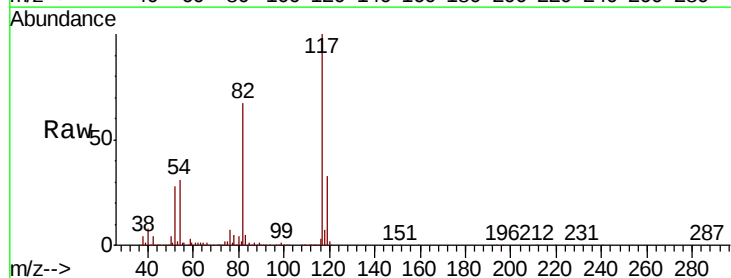
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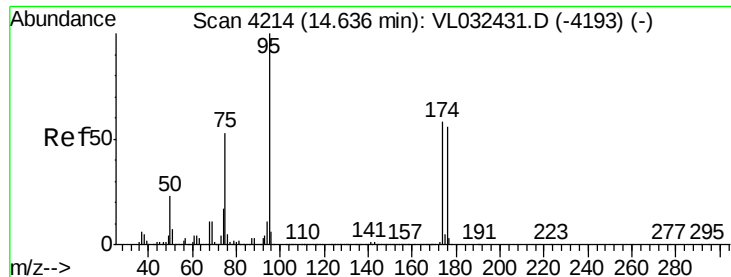
Tot Ion:114 Resp: 3215876
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.9 15.0 22.4



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.29 min Scan# 3483
 Delta R.T. -0.01 min
 Lab File: VL032460.D
 Acq: 5 Sep 2018 16:41

Tgt Ion:117 Resp: 2989911
 Ion Ratio Lower Upper
 117 100
 82 68.9 53.0 79.6
 119 32.9 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.38 ppbv

RT: 14.63 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VL032460.D

Acq: 5 Sep 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

QC 082718 CAN 10292

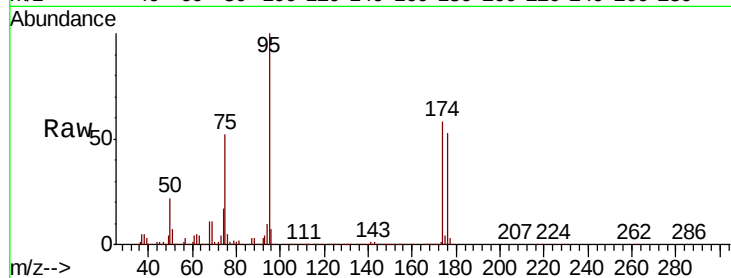
Tot Ion: 95 Resp: 2304004

Ion Ratio Lower Upper

95 100

174 57.3 46.3 69.5

175 4.3 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

