

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034713.D
 Acq On : 27 Feb 2020 17:53
 Operator : SY/AP
 Sample : L1662-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-CAFETERIADL

Quant Time: Feb 28 02:04:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1088676	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2221856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2179115	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1844982	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

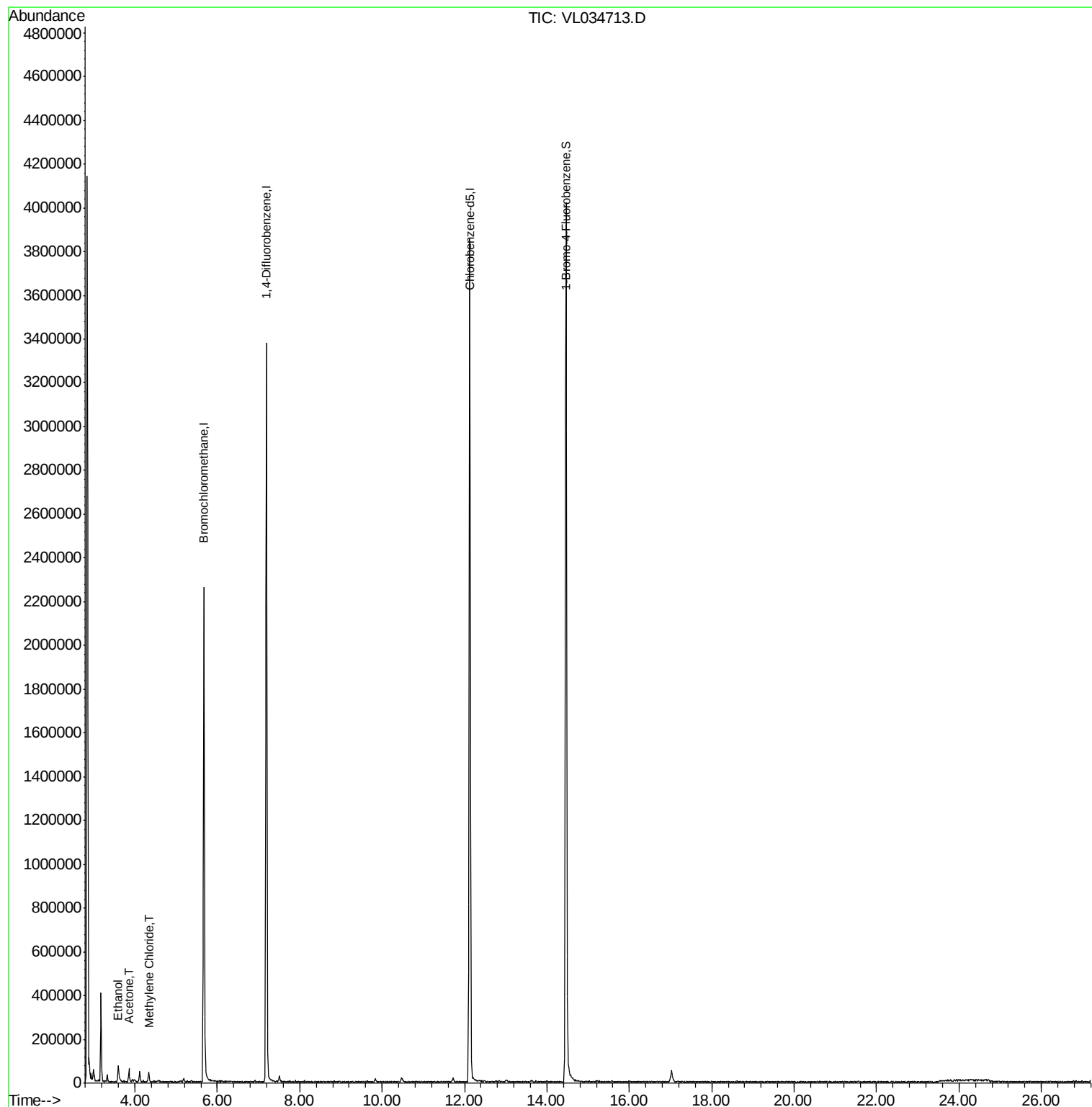
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	72084	4.646	ppbv	99
15) Acetone	3.85	43	45001	0.363	ppbv	95
20) Methylene Chloride	4.33	84	13641	0.296	ppbv #	74

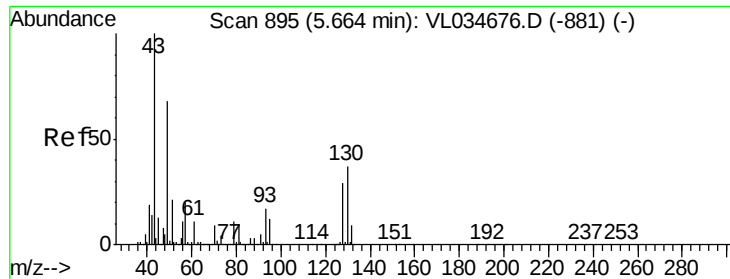
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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ClientSampleId :

IAS-3-CAFETERIADL

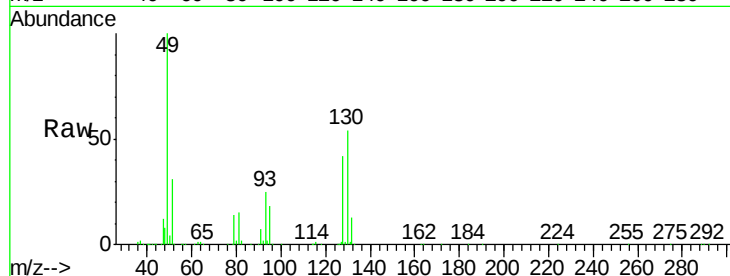
Tot Ion: 49 Resp: 1088676

Ion Ratio Lower Upper

49 100

128 44.5 21.6 65.0

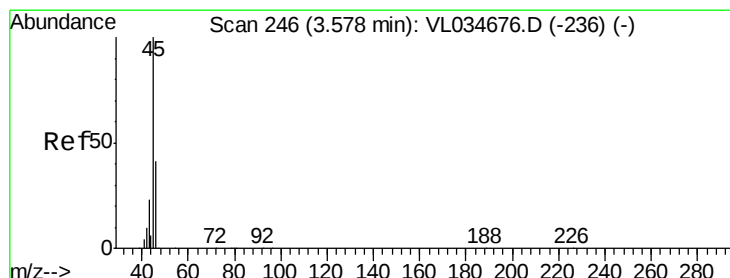
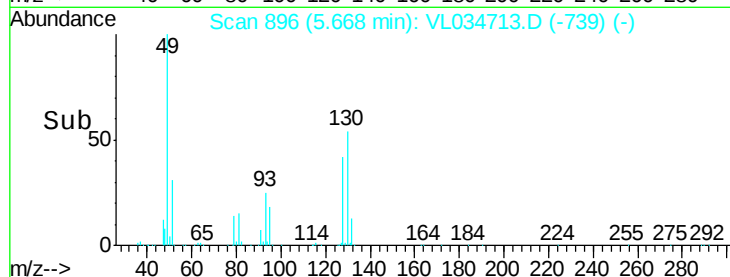
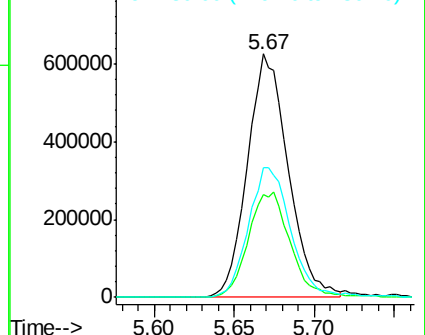
130 56.6 27.7 83.1



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



#13

Ethanol

Concen: 4.646 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL034713.D

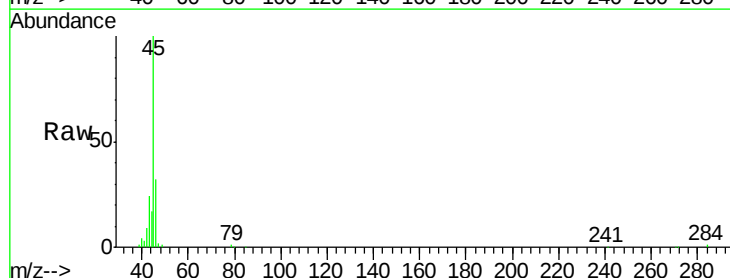
Acq: 27 Feb 2020 17:53

Tgt Ion: 45 Resp: 72084

Ion Ratio Lower Upper

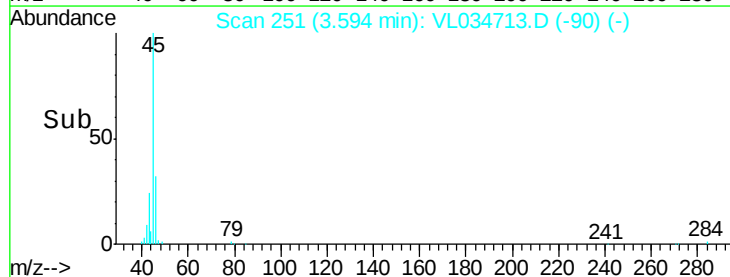
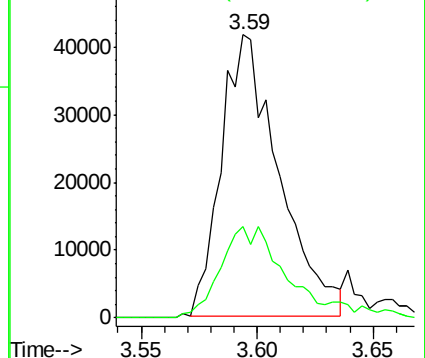
45 100

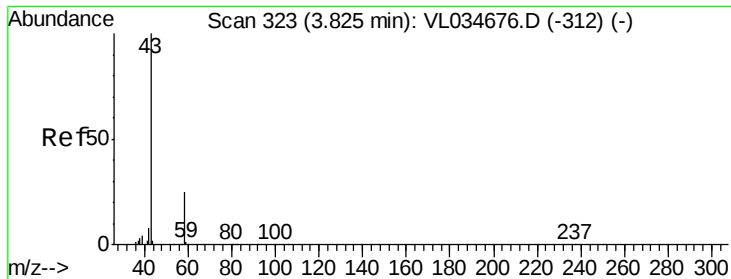
46 39.0 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.363 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.03 min

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ClientSampleId :

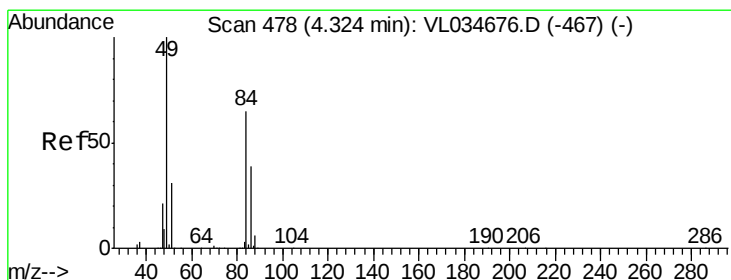
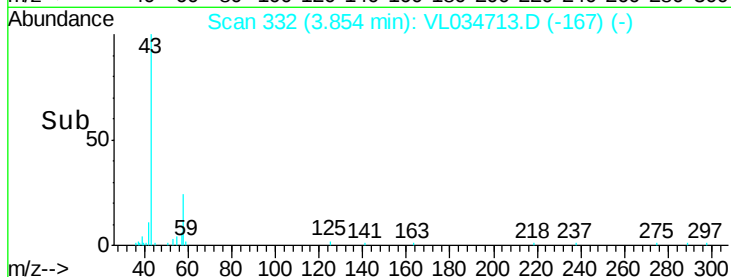
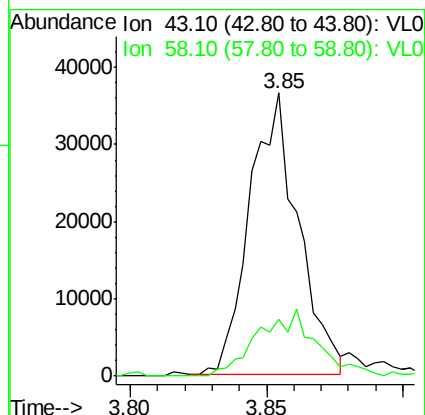
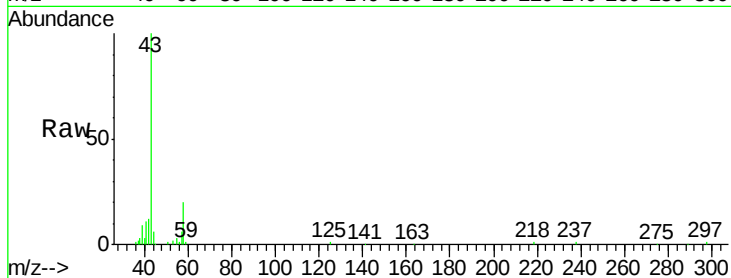
IAS-3-CAFETERIADL

Tot Ion: 43 Resp: 45001

Ion Ratio Lower Upper

43 100

58 29.2 21.4 32.0



#20

Methylene Chloride

Concen: 0.296 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034713.D

Acq: 27 Feb 2020 17:53

Tgt Ion: 84 Resp: 13641

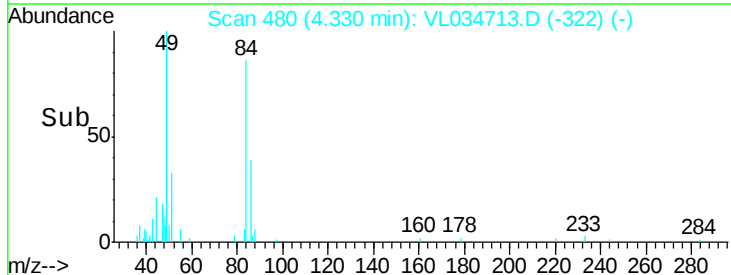
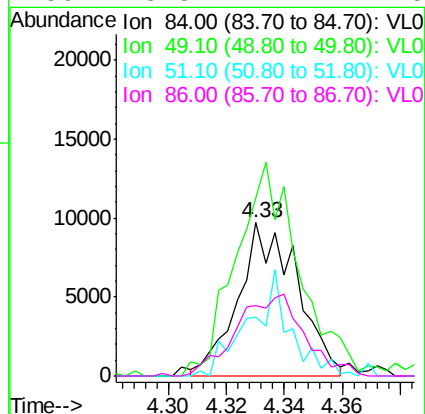
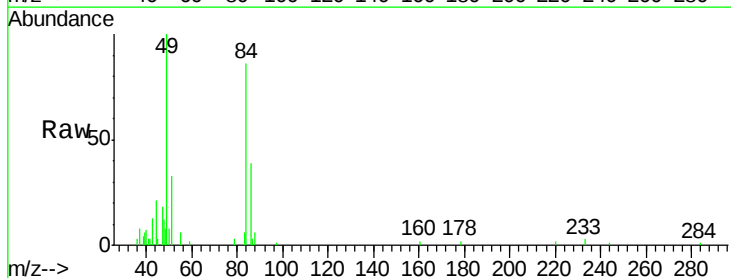
Ion Ratio Lower Upper

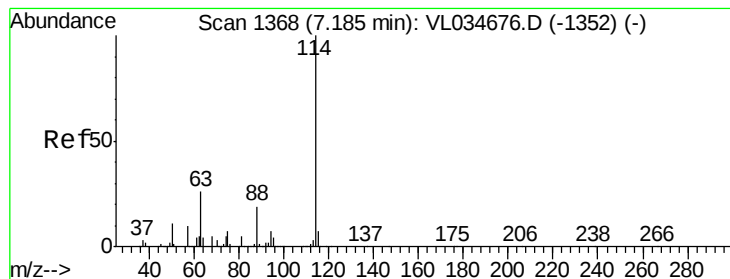
84 100

49 111.2 122.8 184.2#

51 39.7 38.6 58.0

86 45.8 47.7 71.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

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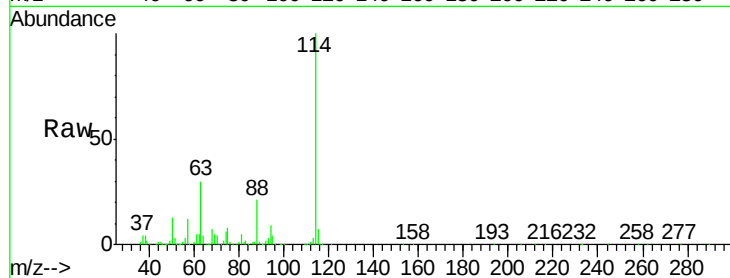
Tot Ion:114 Resp: 2221856

Ion Ratio Lower Upper

114 100

63 29.5 22.9 34.3

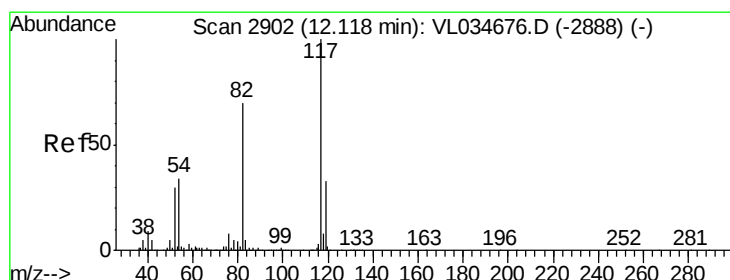
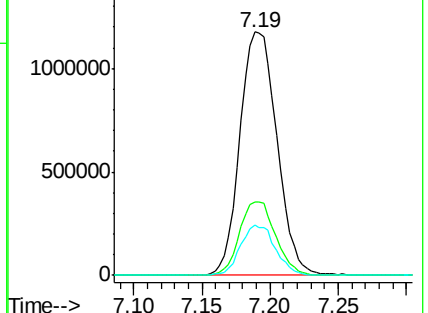
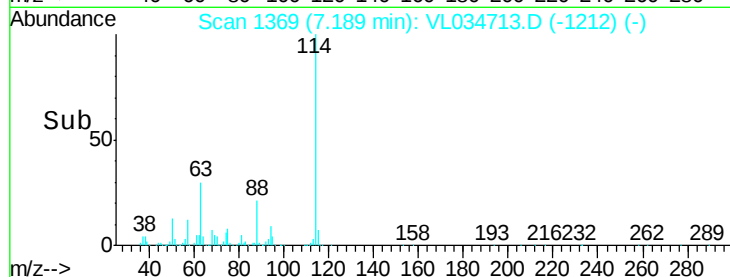
88 19.6 15.8 23.6



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL034713.D

Acq: 27 Feb 2020 17:53

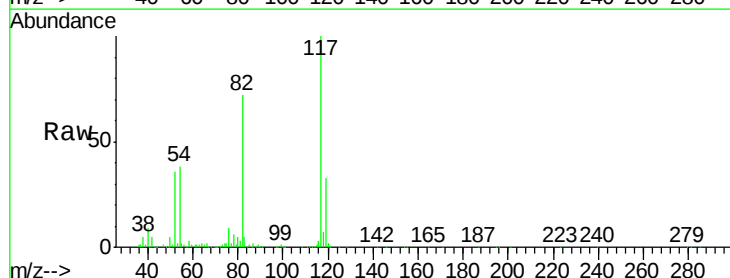
Tgt Ion:117 Resp: 2179115

Ion Ratio Lower Upper

117 100

82 71.6 54.1 81.1

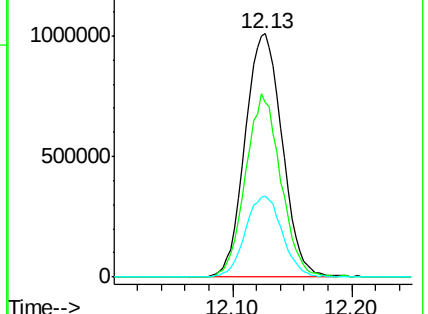
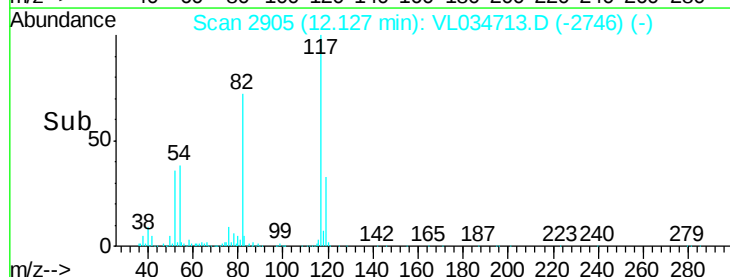
119 33.3 27.6 41.4

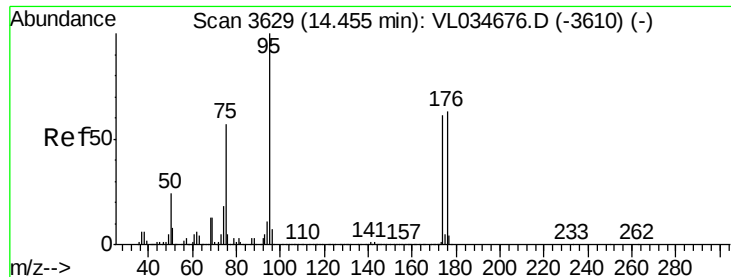


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.326 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034713.D

Acq: 27 Feb 2020 17:53

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-CAFETERIADL

Tot Ion: 95 Resp: 1844982

Ion Ratio Lower Upper

95 100

174 63.9 50.7 76.1

175 4.8 3.9 5.9

