

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL112018\
 Data File : VL032790.D
 Acq On : 20 Nov 2018 22:42
 Operator : SY/AP
 Sample : J5998-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-103DL

Quant Time: Nov 21 21:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1388909	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3379845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3216151	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2300742	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

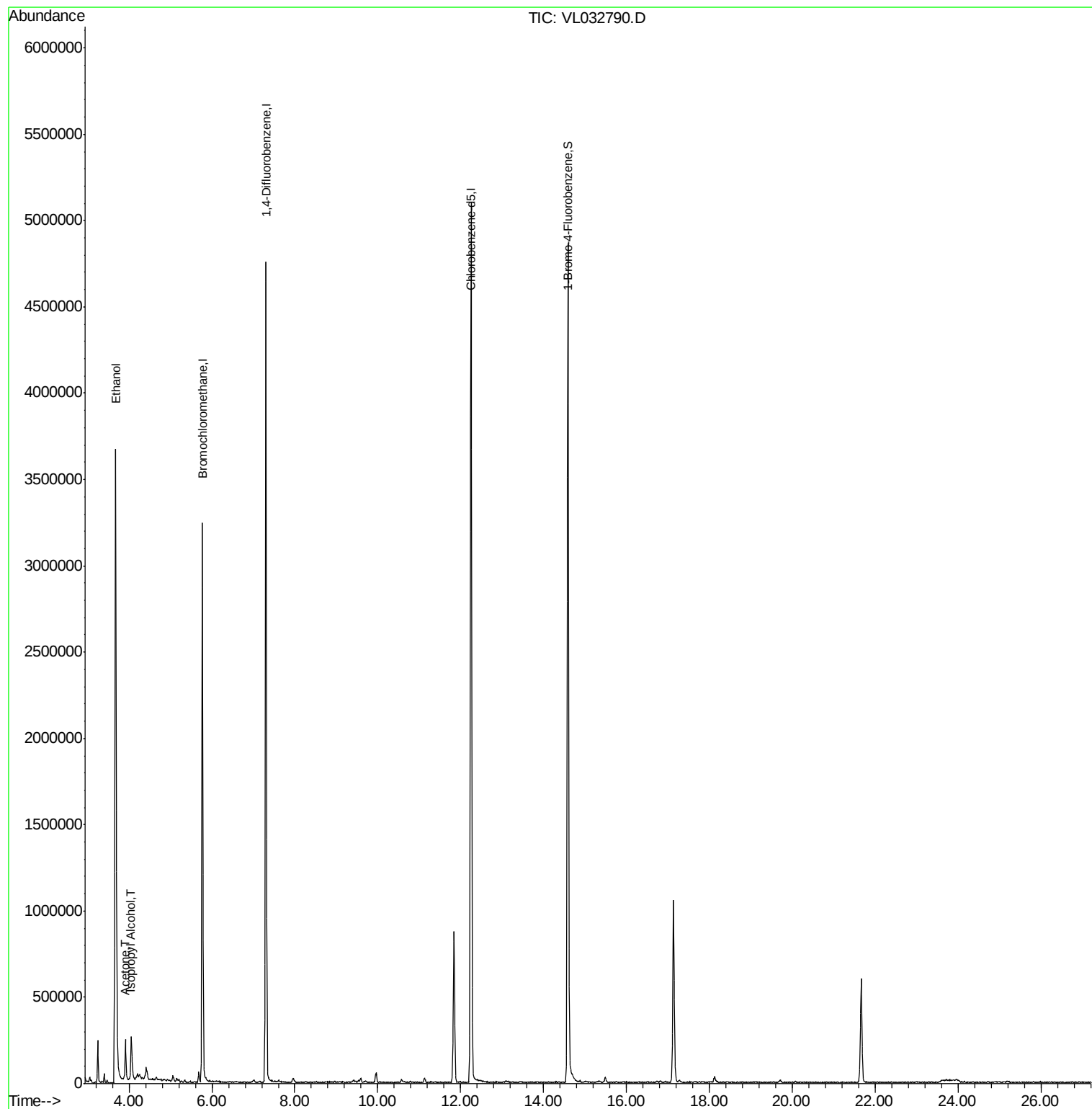
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.68	45	4942999	342.473	ppbv	99
15) Acetone	3.91	43	222370	1.753	ppbv	100
19) Isopropyl Alcohol	4.05	45	323828	3.832	ppbv #	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

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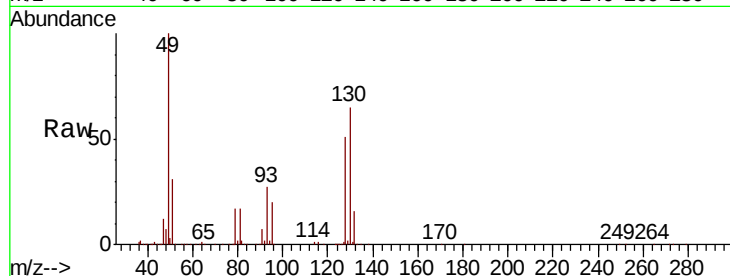
Tot Ion: 49 Resp: 1388909

Ion Ratio Lower Upper

49 100

128 53.1 24.9 74.6

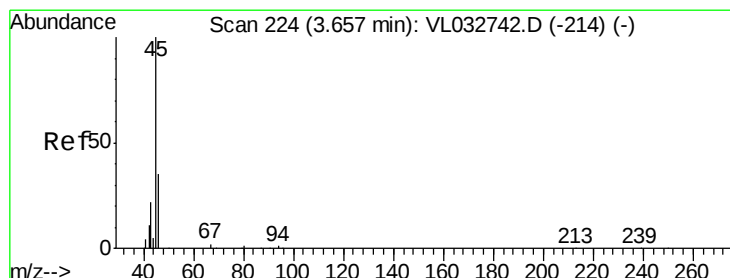
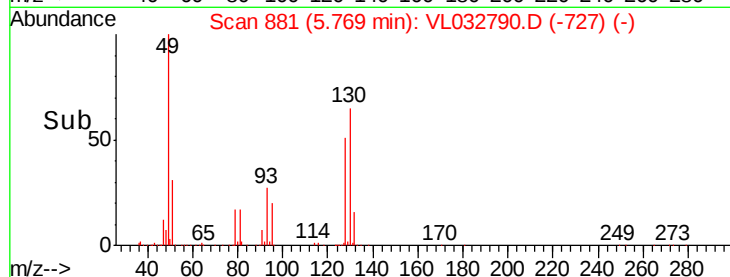
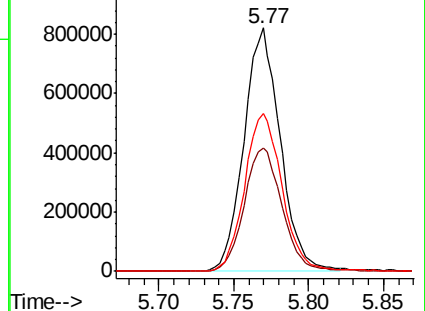
130 67.6 31.4 94.2



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: 342.473 ppbv

RT: 3.68 min Scan# 230

Delta R.T. 0.02 min

Lab File: VL032790.D

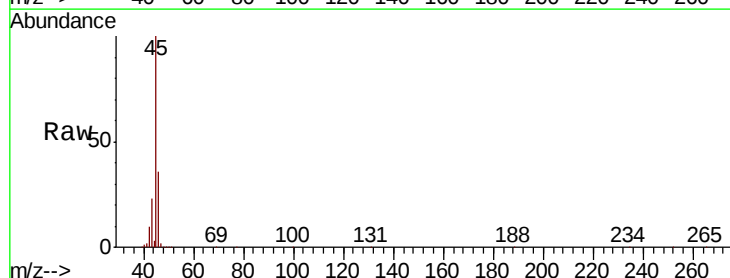
Acq: 20 Nov 2018 22:42

Tgt Ion: 45 Resp: 4942999

Ion Ratio Lower Upper

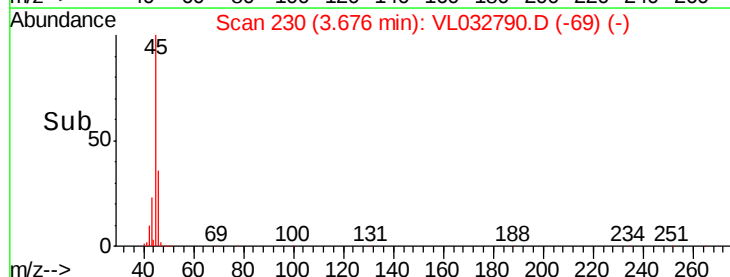
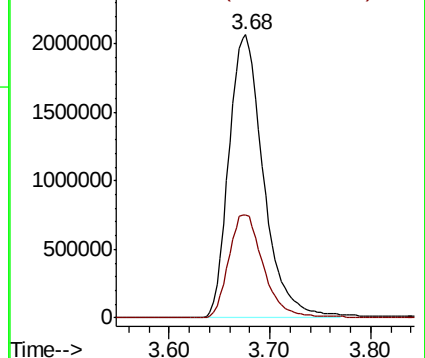
45 100

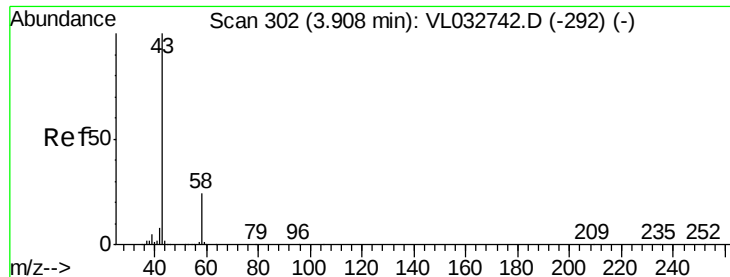
46 37.0 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.753 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.01 min

Lab File: VL032790.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

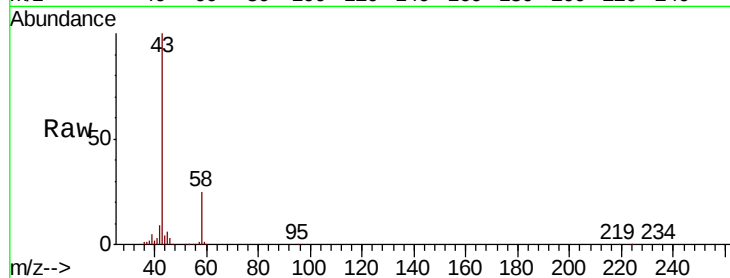
EP-103DL

Tot Ion: 43 Resp: 222370

Ion Ratio Lower Upper

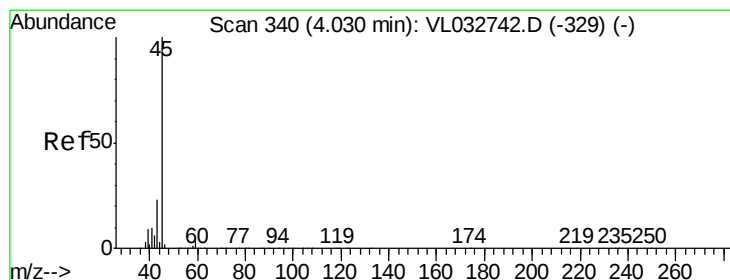
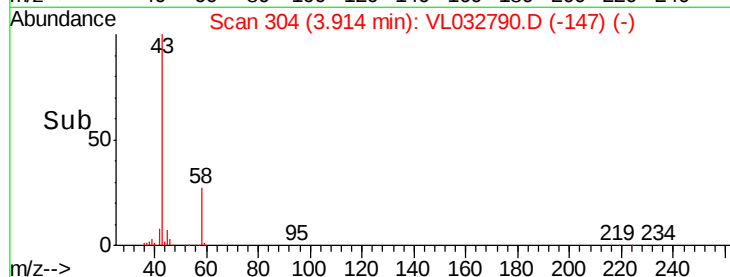
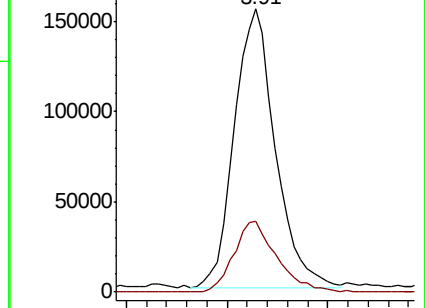
43 100

58 26.6 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 3.832 ppbv

RT: 4.05 min Scan# 347

Delta R.T. 0.02 min

Lab File: VL032790.D

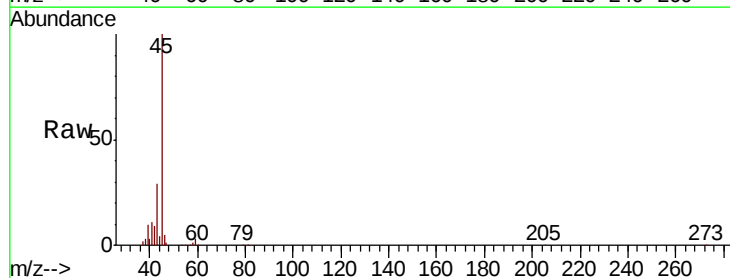
Acq: 20 Nov 2018 22:42

Tgt Ion: 45 Resp: 323828

Ion Ratio Lower Upper

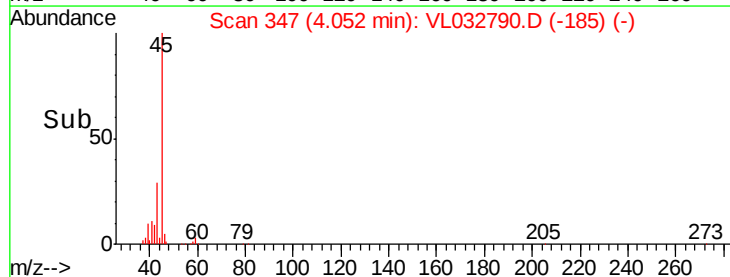
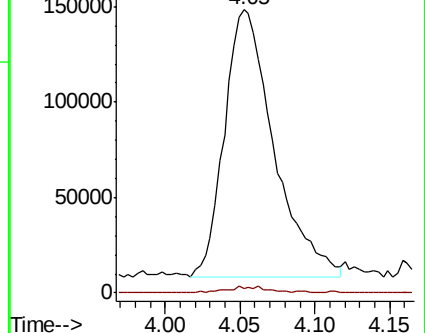
45 100

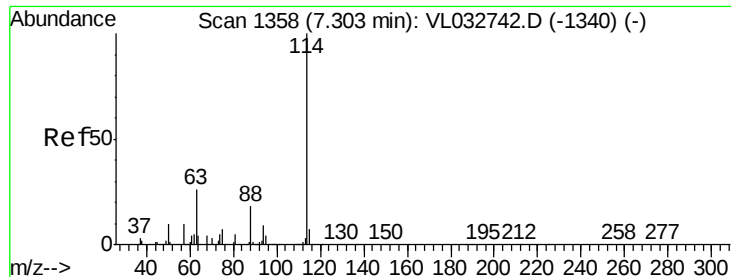
58 2.4 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

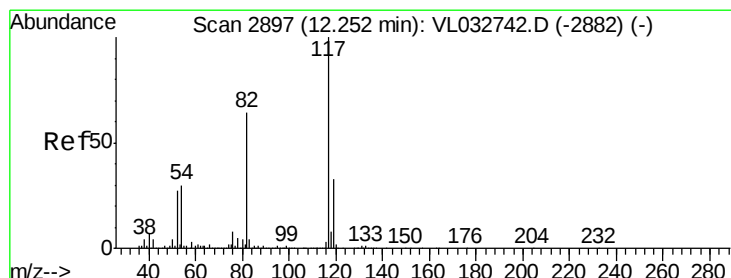
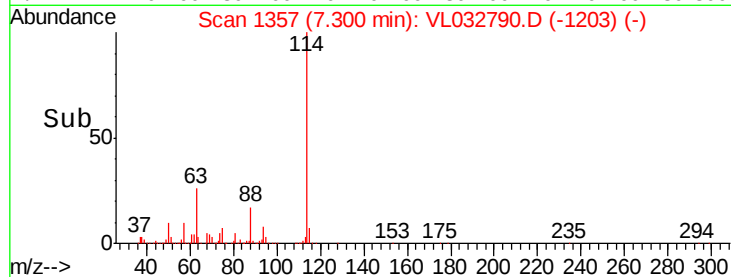
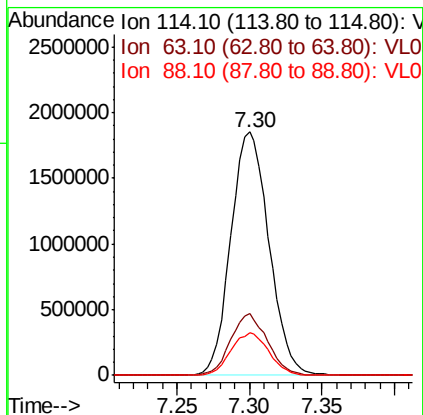
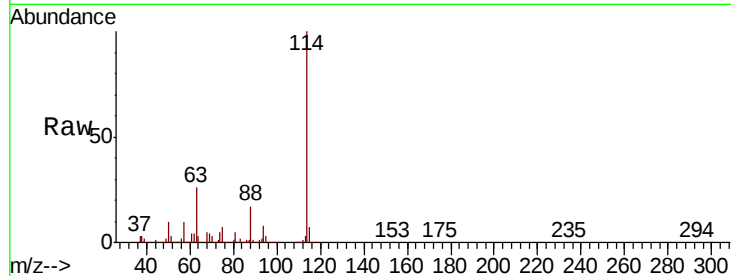




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032790.D
 Acq: 20 Nov 2018 22:42

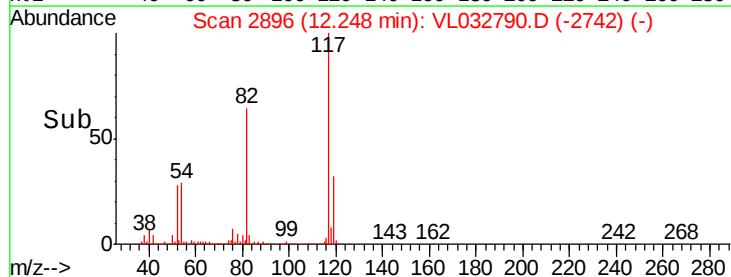
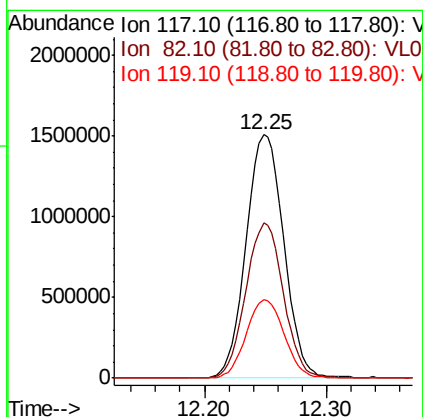
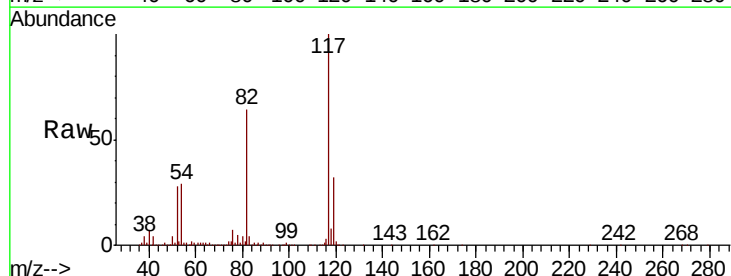
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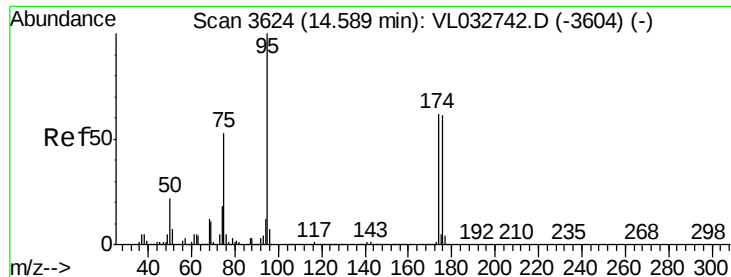
Tot Ion:114 Resp: 3379845
 Ion Ratio Lower Upper
 114 100
 63 24.6 20.9 31.3
 88 17.5 14.4 21.6



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.25 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VL032790.D
 Acq: 20 Nov 2018 22:42

Tgt Ion:117 Resp: 3216151
 Ion Ratio Lower Upper
 117 100
 82 63.8 51.0 76.6
 119 32.4 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.564 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032790.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_L

ClientSampleId :

EP-103DL

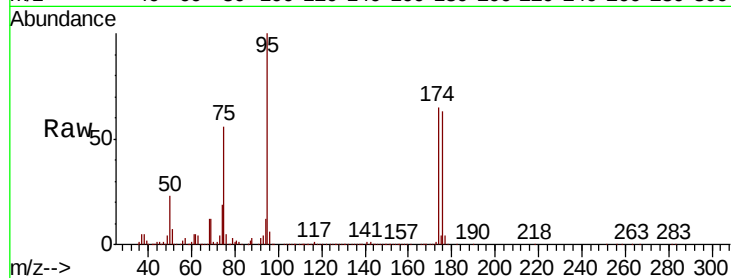
Tot Ion: 95 Resp: 2300742

Ion Ratio Lower Upper

95 100

174 66.9 50.7 76.1

175 4.8 3.8 5.6



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

