

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033471.D
 Acq On : 27 Mar 2019 16:43
 Operator : SY/AP
 Sample : K2042-10DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-8-RM-NEXT-TO-GUIDANCE-RM

Quant Time: Mar 28 08:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	746705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1728280	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1737179	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1352862	9.93	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

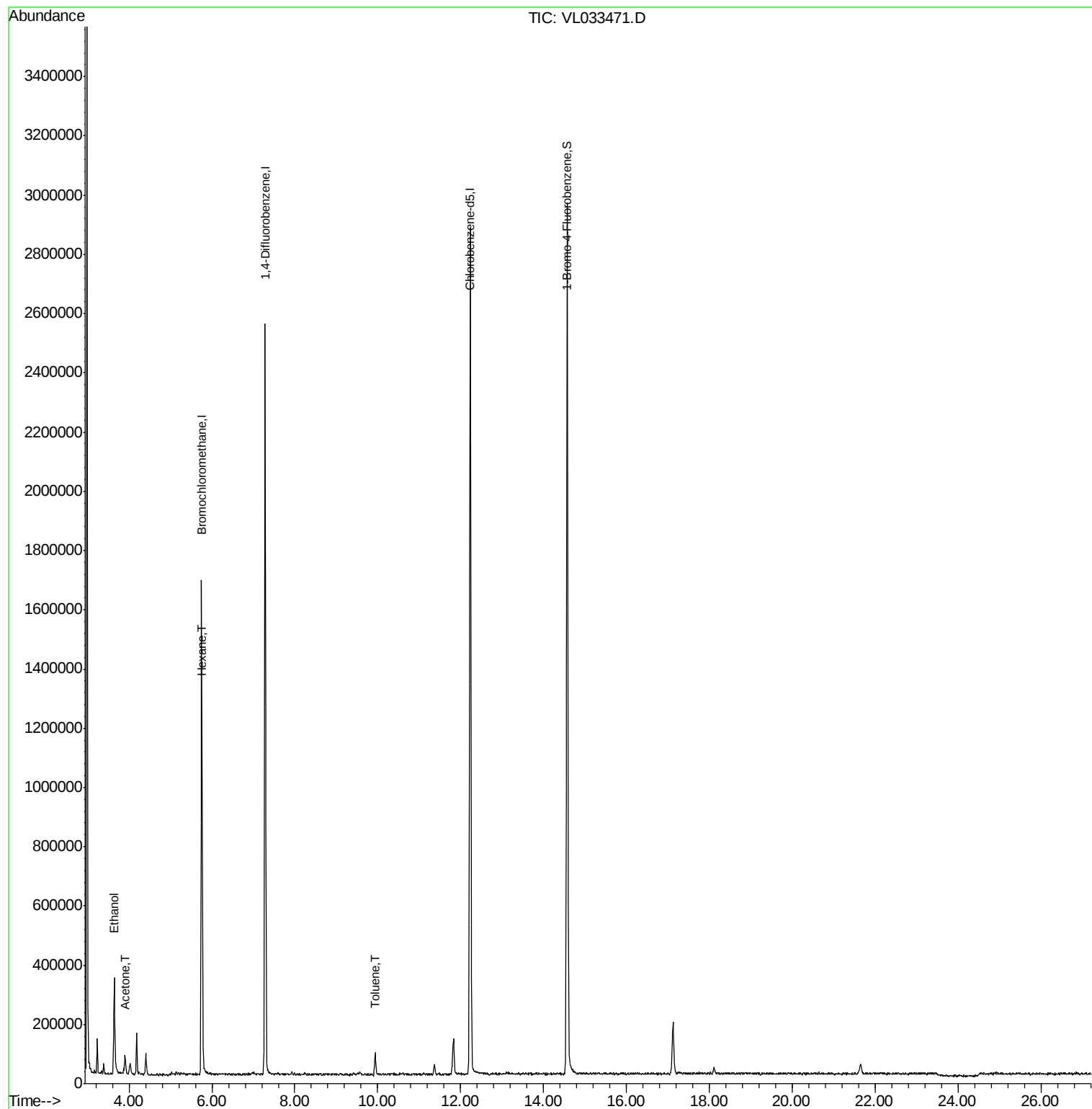
Target Compounds					Ovalue
13) Ethanol	3.64	45	335239	35.885 ppbv	64
15) Acetone	3.90	43	60610	0.675 ppbv	91
26) Hexane	5.77	57	26726	0.361 ppbv #	38
53) Toluene	9.94	91	50521	0.300 ppbv	98

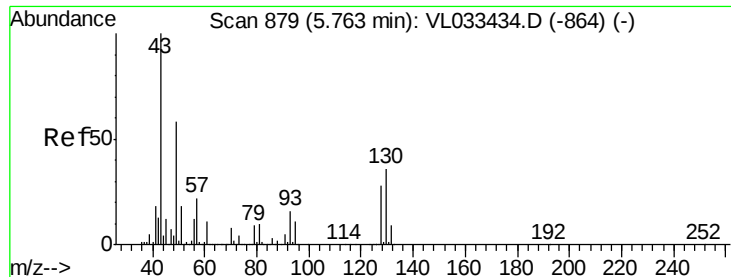
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 16:00:50 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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ClientSampleId :

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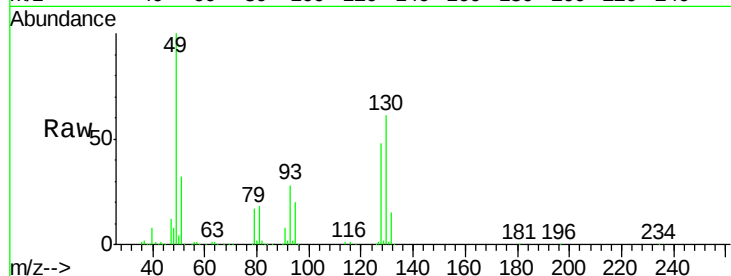
Tot Ion: 49 Resp: 746705

Ion Ratio Lower Upper

49 100

128 48.2 24.0 72.0

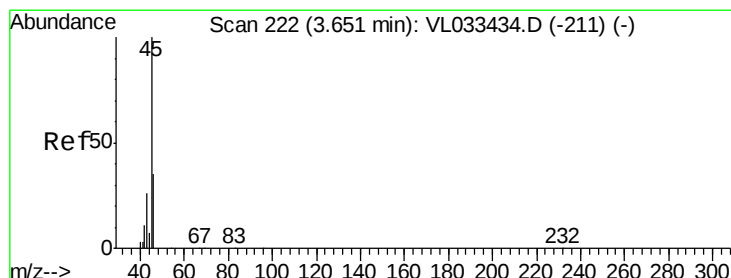
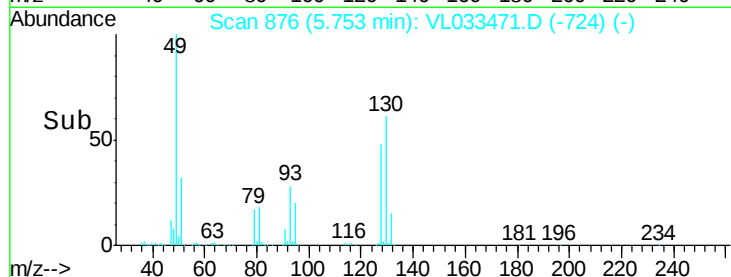
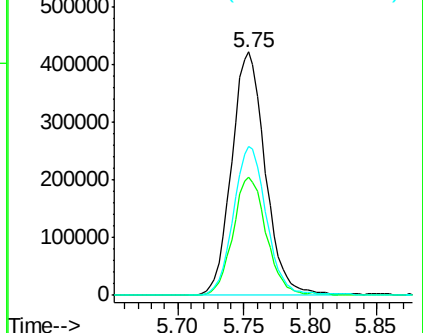
130 60.7 31.2 93.6



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



#13

Ethanol

Concen: 35.885 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.01 min

Lab File: VL033471.D

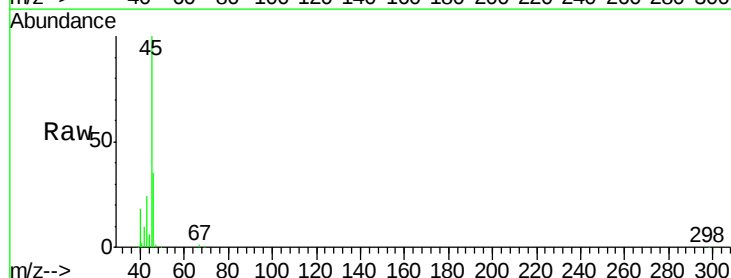
Acq: 27 Mar 2019 16:43

Tgt Ion: 45 Resp: 335239

Ion Ratio Lower Upper

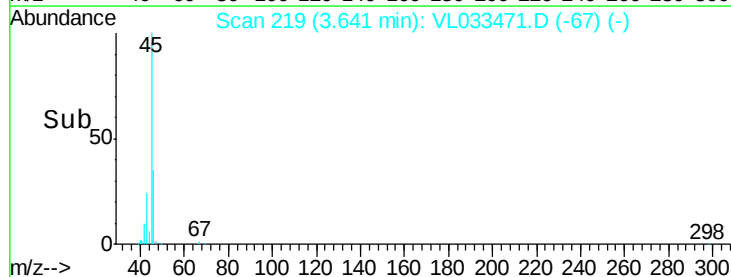
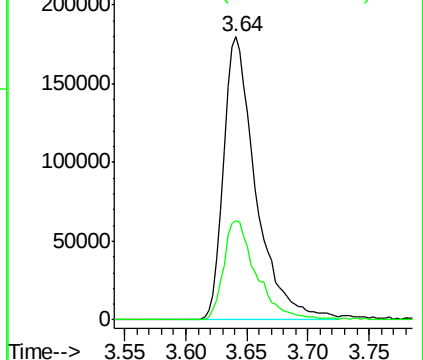
45 100

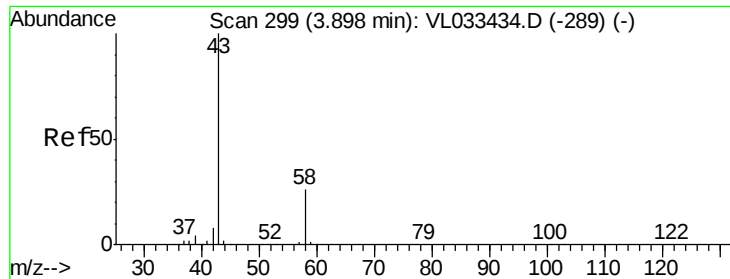
46 35.6 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.675 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033471.D

Acq: 27 Mar 2019 16:43

Instrument :

MSVOA_L

ClientSampleId :

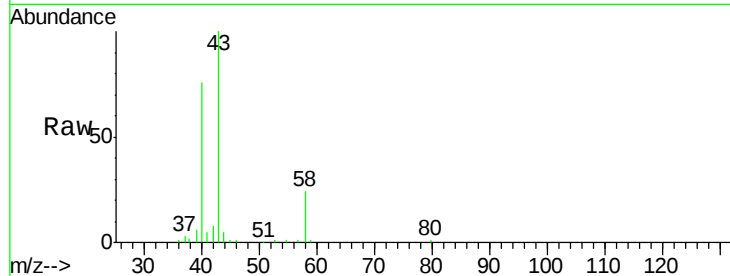
IAS-8-RM-NEXT-TO-GUIDANCE-RM

Tot Ion: 43 Resp: 60610

Ion Ratio Lower Upper

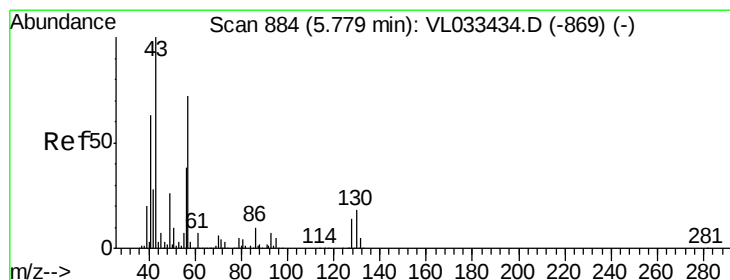
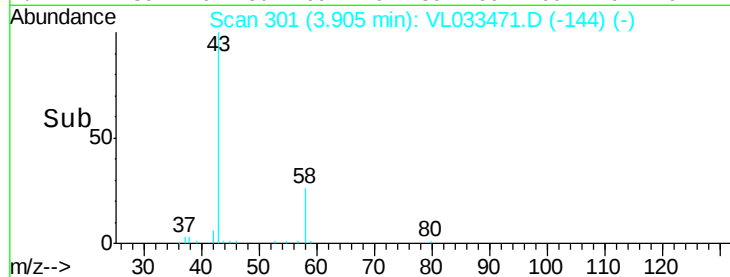
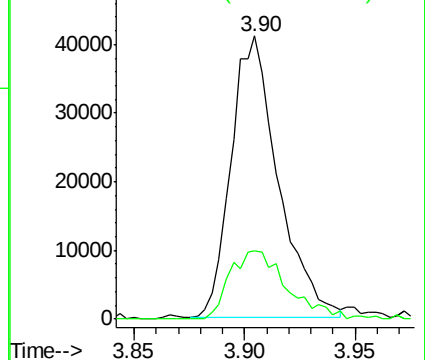
43 100

58 30.0 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#26

Hexane

Concen: 0.361 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL033471.D

Acq: 27 Mar 2019 16:43

Tgt Ion: 57 Resp: 26726

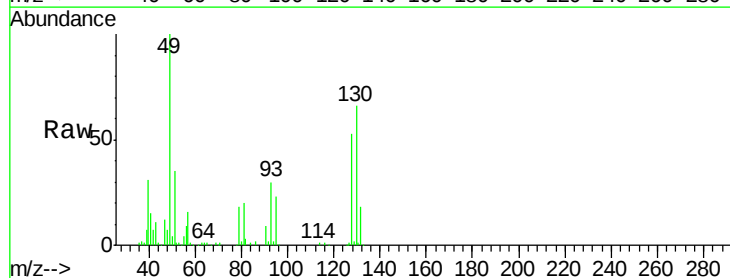
Ion Ratio Lower Upper

57 100

41 103.6 70.7 106.1

43 78.8 182.6 274.0#

56 61.2 42.0 63.0

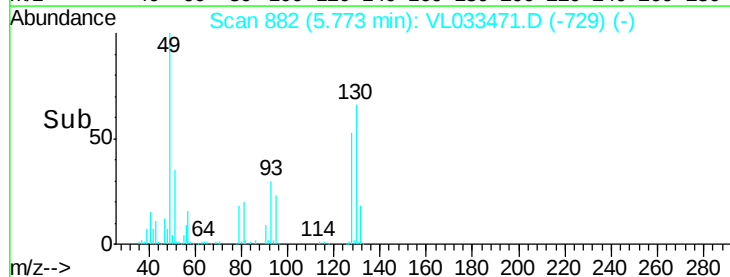
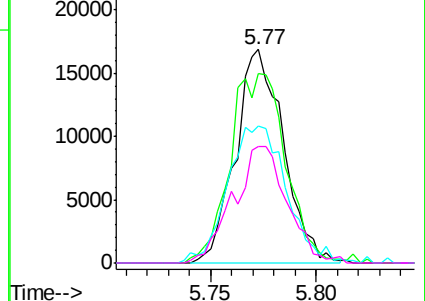


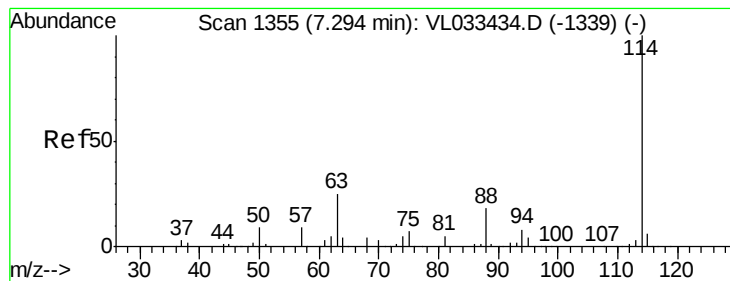
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033471.D

Acq: 27 Mar 2019 16:43

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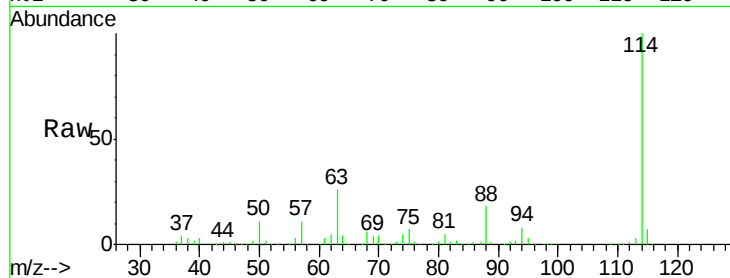
Tot Ion:114 Resp: 1728280

Ion Ratio Lower Upper

114 100

63 26.6 21.5 32.3

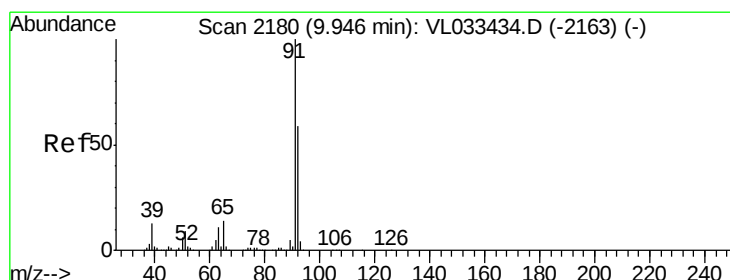
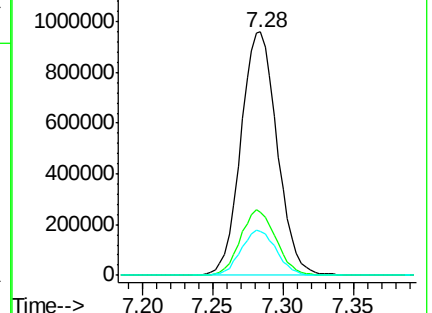
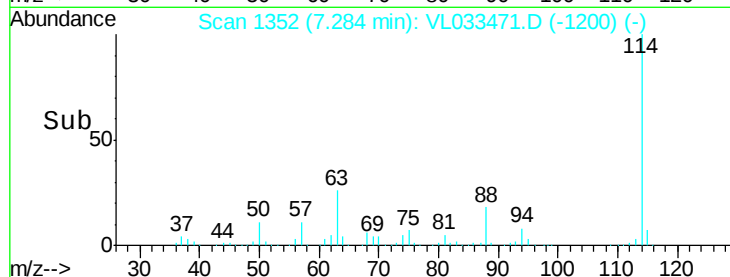
88 18.2 14.5 21.7



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



#53

Toluene

Concen: 0.300 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033471.D

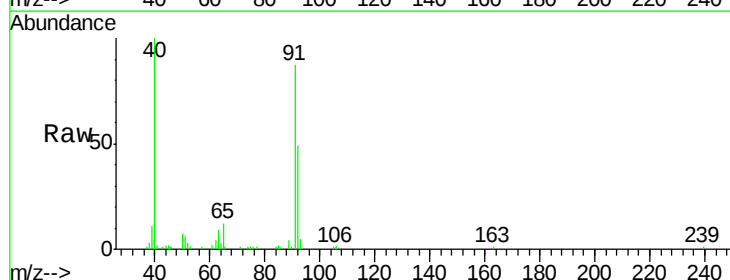
Acq: 27 Mar 2019 16:43

Tgt Ion: 91 Resp: 50521

Ion Ratio Lower Upper

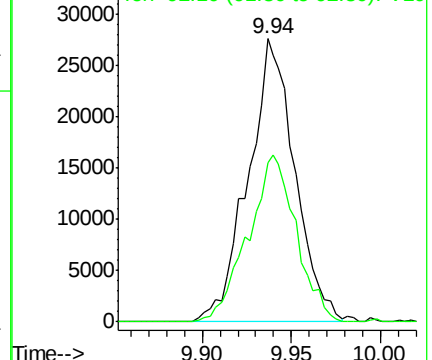
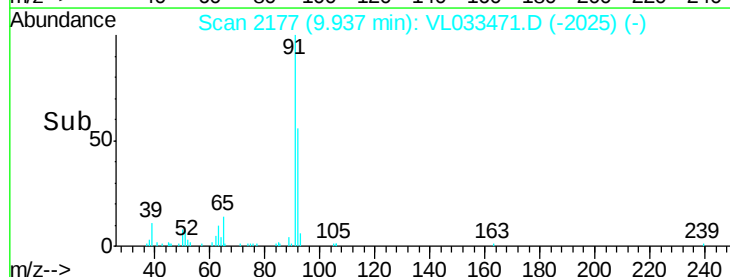
91 100

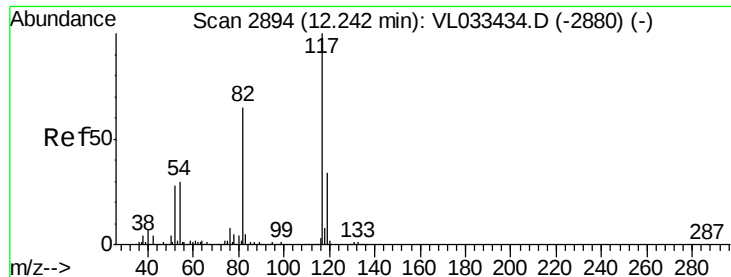
92 60.9 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033471.D

Acq: 27 Mar 2019 16:43

Instrument :

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ClientSampleId :

IAS-8-RM-NEXT-TO-GUIDANCE-RM

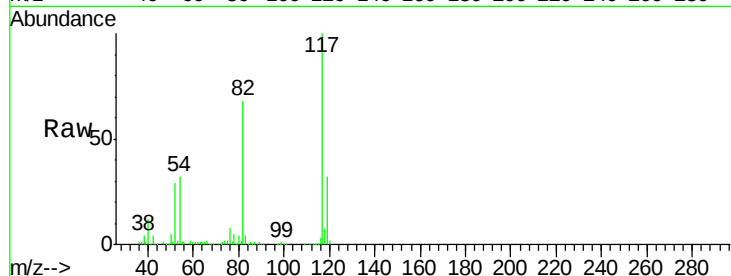
Tot Ion:117 Resp: 1737179

Ion Ratio Lower Upper

117 100

82 67.4 51.5 77.3

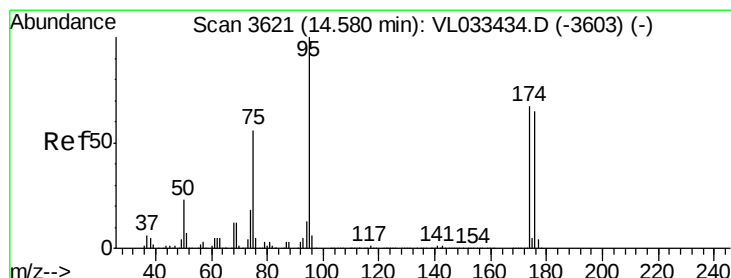
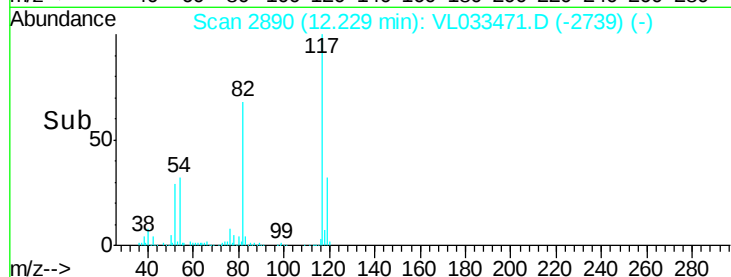
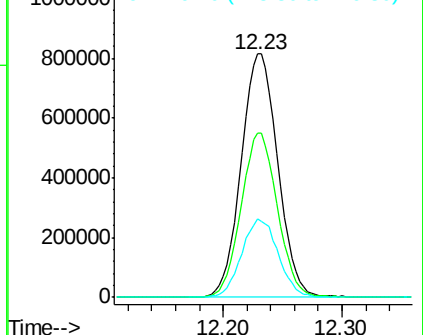
119 32.3 25.5 38.3



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: 9.934 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033471.D

Acq: 27 Mar 2019 16:43

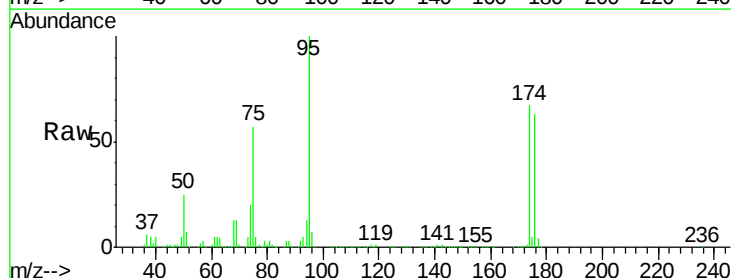
Tgt Ion: 95 Resp: 1352862

Ion Ratio Lower Upper

95 100

174 66.4 52.9 79.3

175 4.7 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

