

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033504.D
 Acq On : 29 Mar 2019 16:14
 Operator : SY/AP
 Sample : K2042-17DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-3-IN-CAFEDL

Quant Time: Mar 30 02:04:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue 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	5.76	49	836512	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1846531	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1873936	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1433032	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

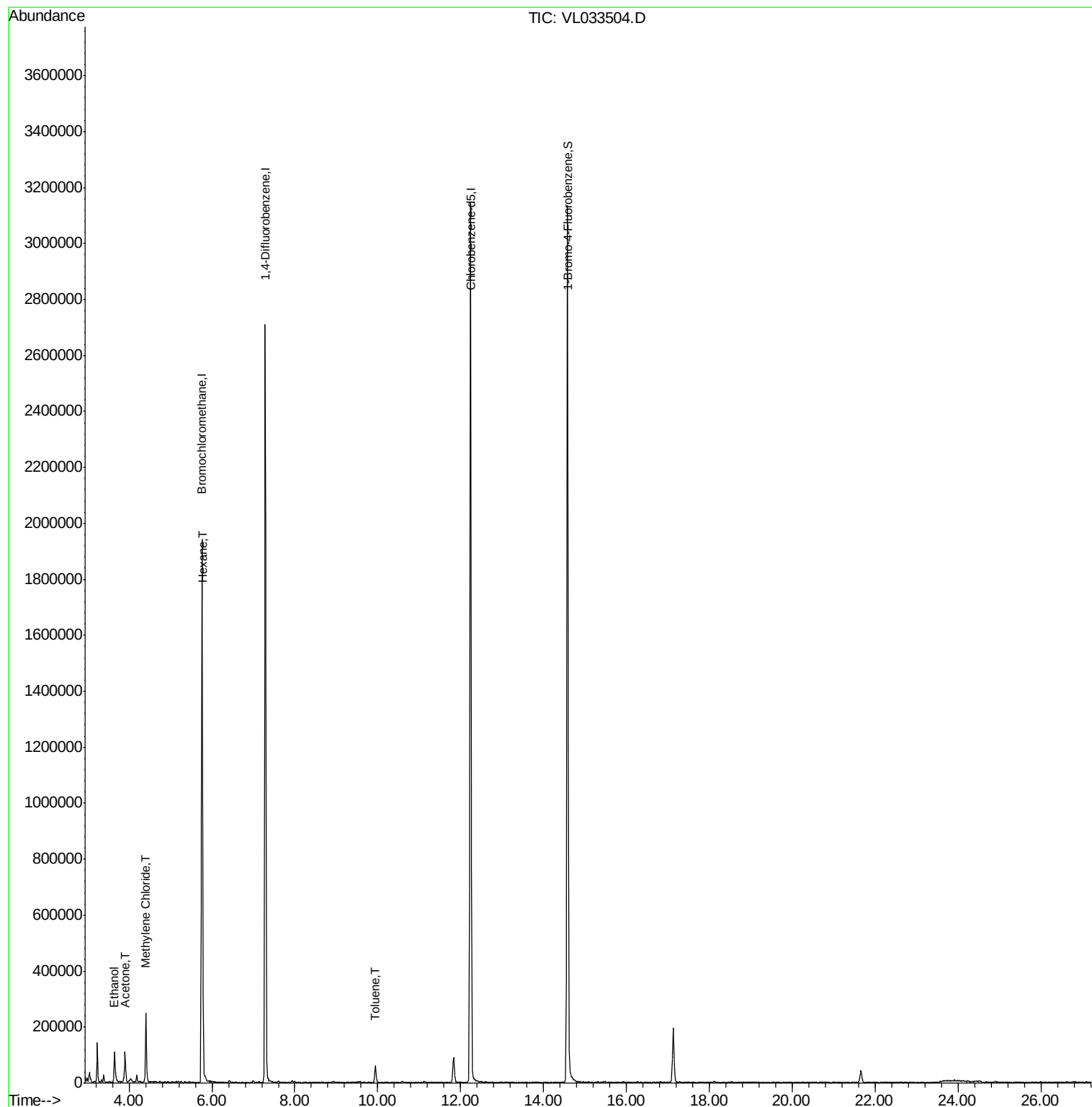
Target Compounds					Ovalue
13) Ethanol	3.65	45	111273	10.632	ppbv 67
15) Acetone	3.90	43	105759	1.051	ppbv 99
20) Methylene Chloride	4.41	84	86417	2.024	ppbv 92
26) Hexane	5.78	57	140575	1.694	ppbv # 39
53) Toluene	9.95	91	45162	0.251	ppbv 99

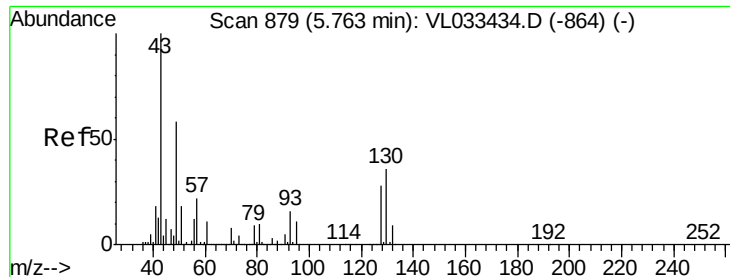
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033504.D
Acq On : 29 Mar 2019 16:14
Operator : SY/AP
Sample : K2042-17DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-IN-CAFEDL

Quant Time: Mar 30 02:04:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-IN-CAFEDL

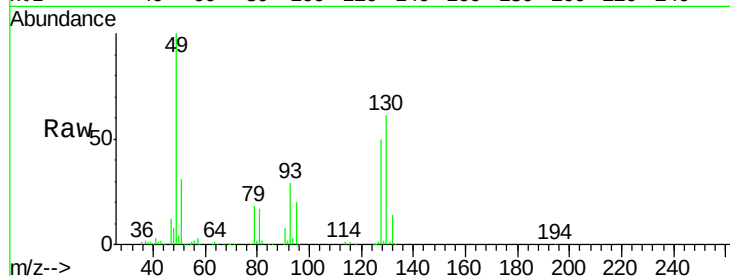
Tot Ion: 49 Resp: 836512

Ion Ratio Lower Upper

49 100

128 48.2 24.0 72.0

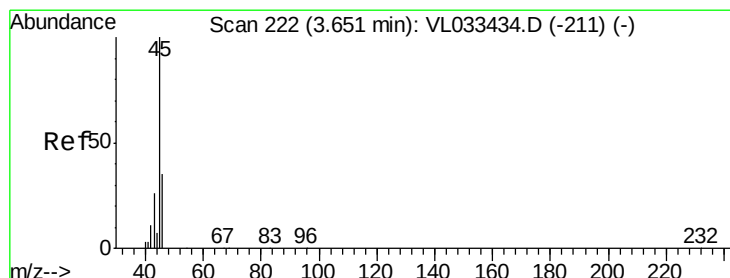
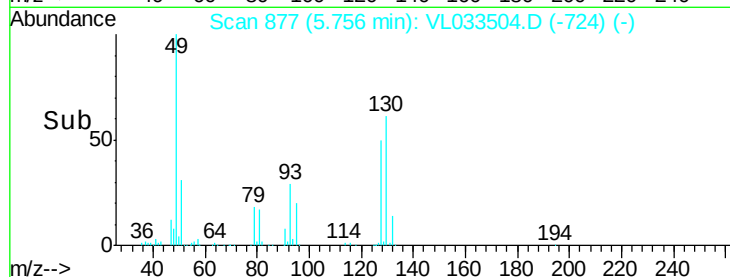
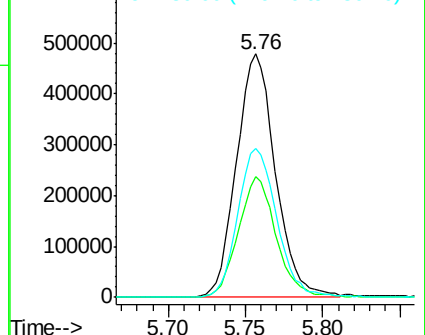
130 62.2 31.2 93.6



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: 10.632 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033504.D

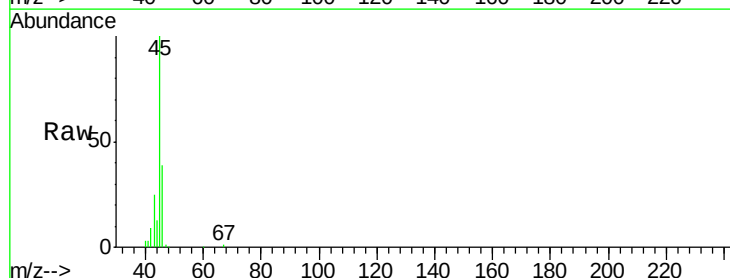
Acq: 29 Mar 2019 16:14

Tgt Ion: 45 Resp: 111273

Ion Ratio Lower Upper

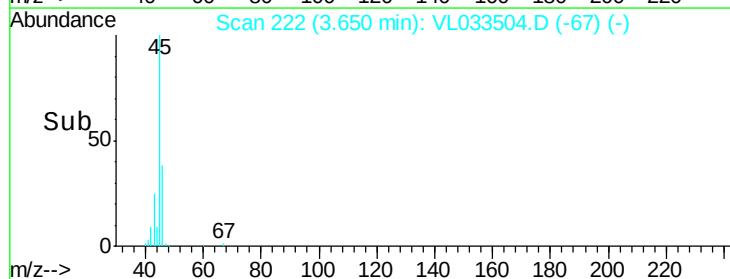
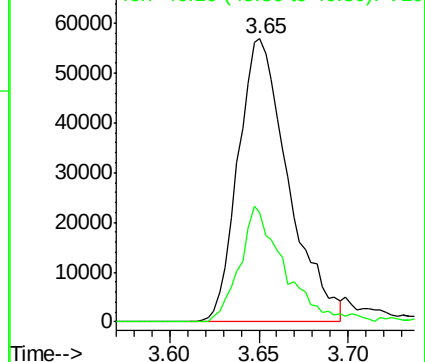
45 100

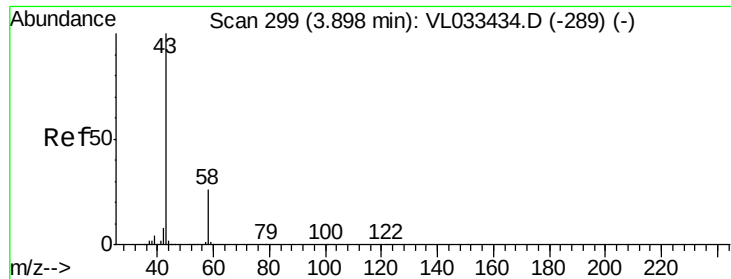
46 37.7 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.051 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

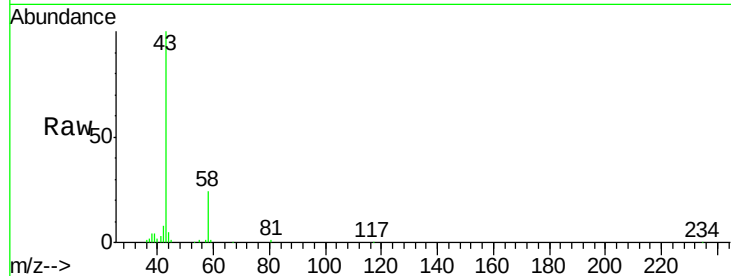
IAS-3-IN-CAFEDL

Tot Ion: 43 Resp: 105759

Ion Ratio Lower Upper

43 100

58 25.3 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

80000

60000

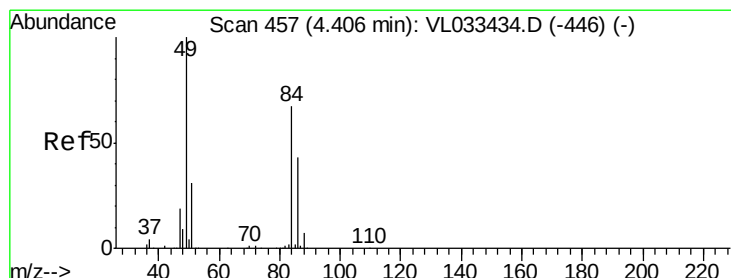
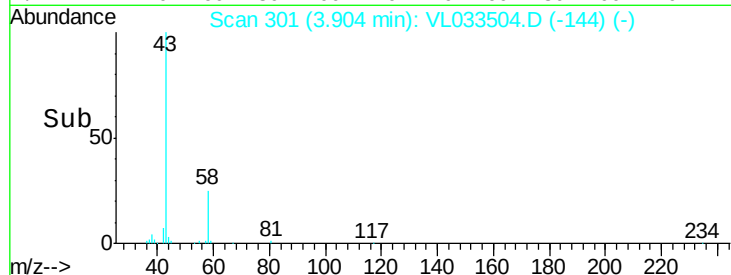
40000

20000

0

Time-->

3.85 3.90 3.95



#20

Methylene Chloride

Concen: 2.024 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

Tgt Ion: 84 Resp: 86417

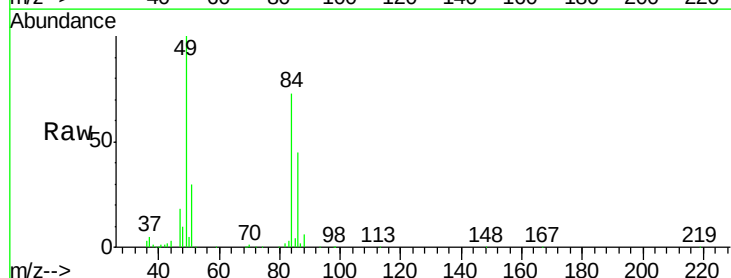
Ion Ratio Lower Upper

84 100

49 137.1 120.0 180.0

51 40.9 36.7 55.1

86 61.1 51.9 77.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

120000

100000

80000

60000

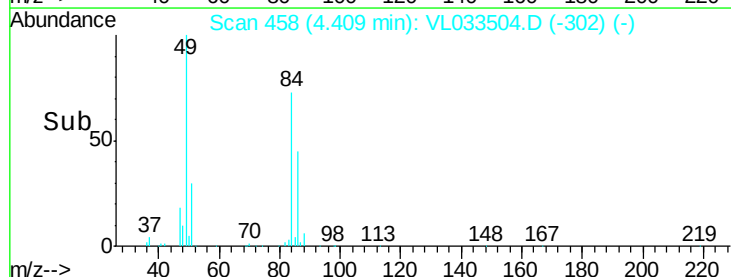
40000

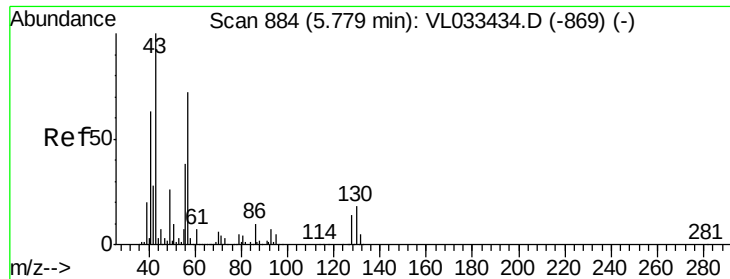
20000

0

Time-->

4.35 4.40 4.45

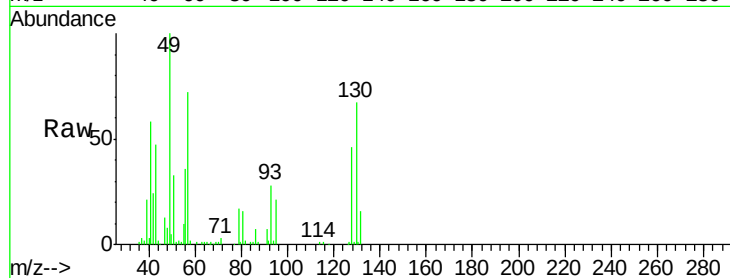




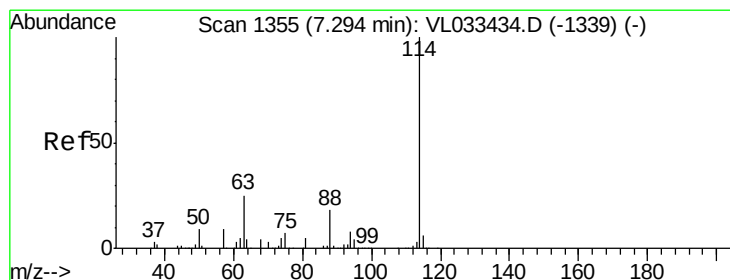
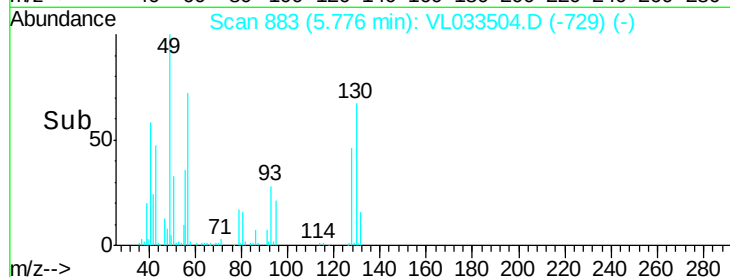
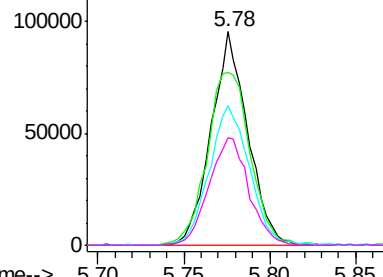
#26
Hexane
Concen: 1.694 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033504.D
Acq: 29 Mar 2019 16:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-3-IN-CAFEDL

Tot Ion: 57 Resp: 140575
Ion Ratio Lower Upper
57 100
41 95.6 70.7 106.1
43 72.0 182.6 274.0#
56 54.8 42.0 63.0

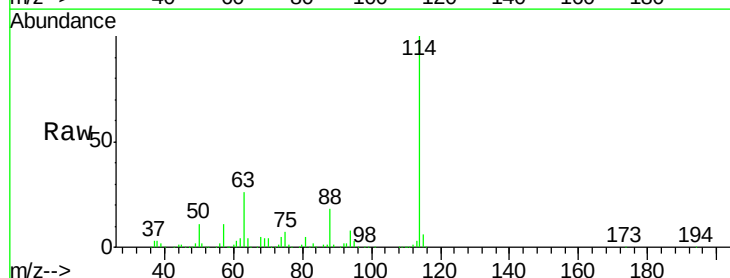


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

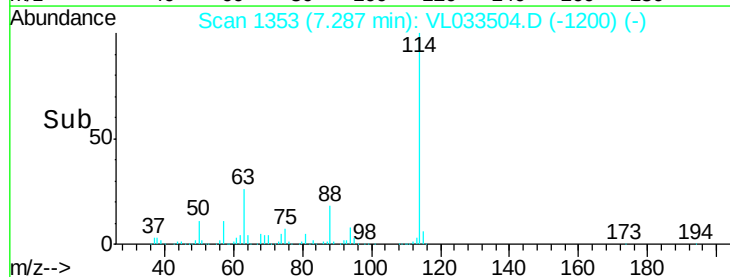
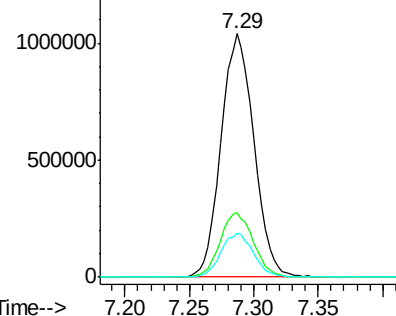


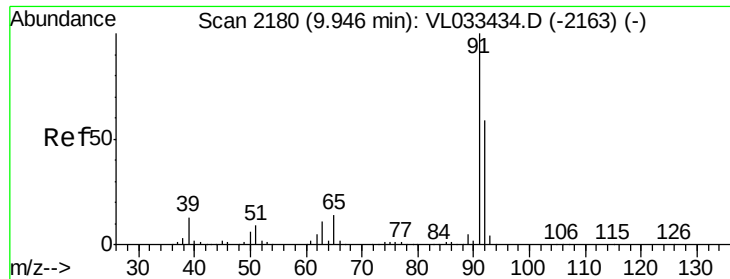
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033504.D
Acq: 29 Mar 2019 16:14

Tgt Ion:114 Resp: 1846531
Ion Ratio Lower Upper
114 100
63 26.7 21.5 32.3
88 17.9 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: 0.251 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

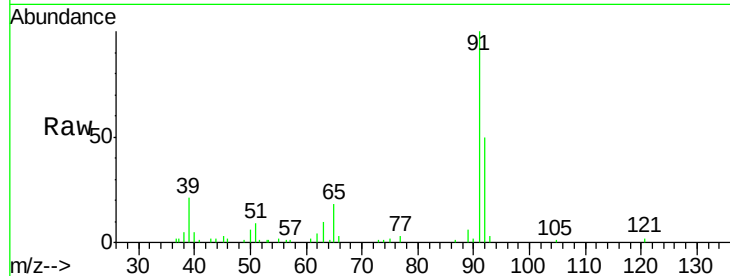
IAS-3-IN-CAFEDL

Tot Ion: 91 Resp: 45162

Ion Ratio Lower Upper

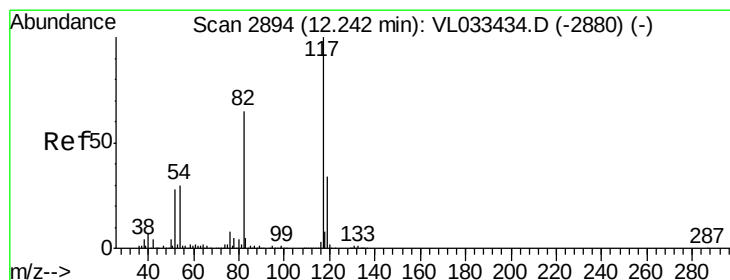
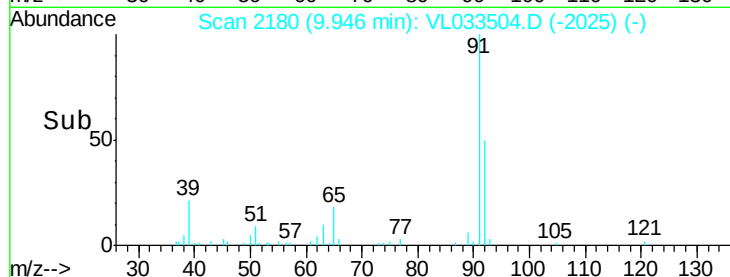
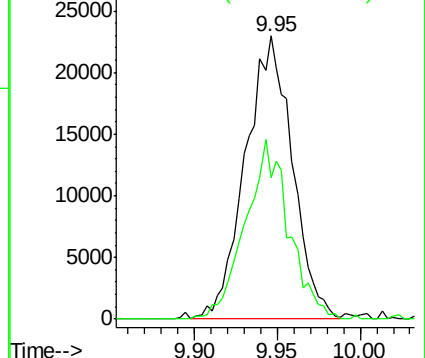
91 100

92 58.8 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: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

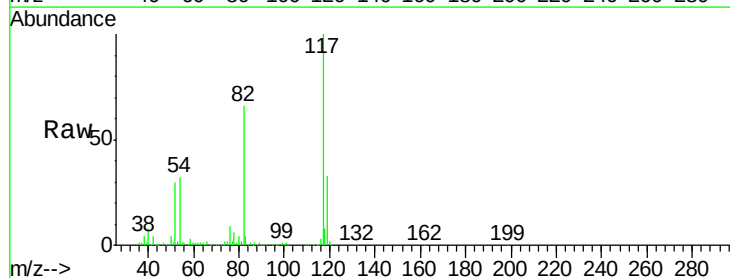
Tgt Ion: 117 Resp: 1873936

Ion Ratio Lower Upper

117 100

82 66.4 51.5 77.3

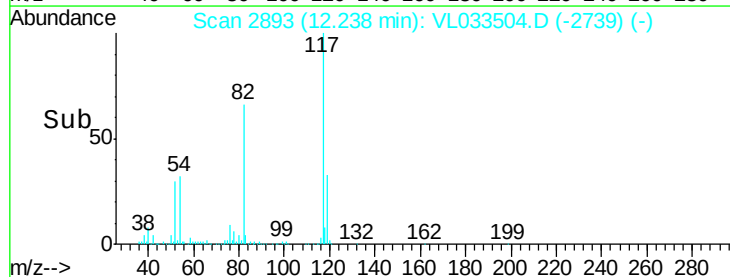
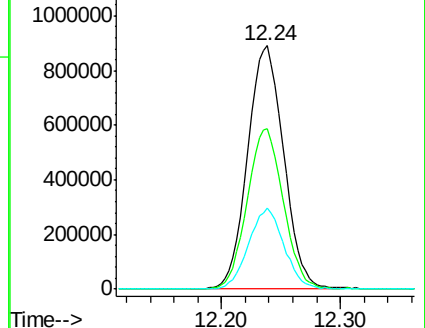
119 32.6 25.5 38.3

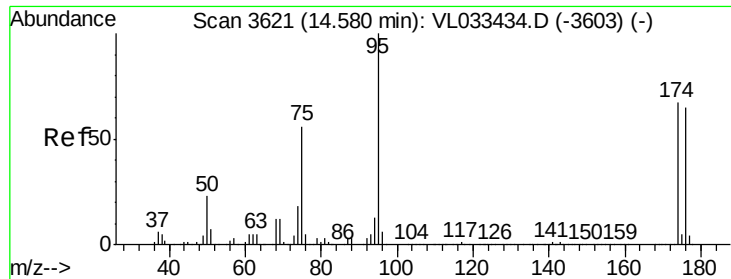


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.754 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033504.D

Acq: 29 Mar 2019 16:14

Instrument :

MSVOA_L

ClientSampleId :

IAS-3-IN-CAFEDL

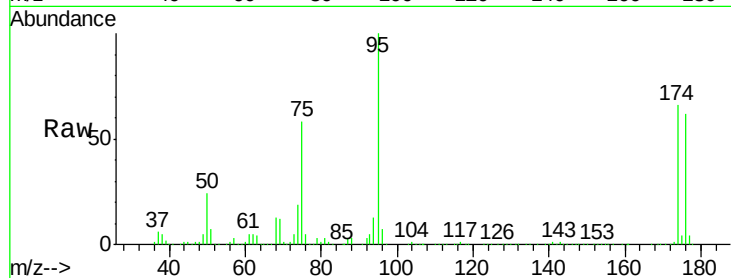
Tot Ion: 95 Resp: 1433032

Ion Ratio Lower Upper

95 100

174 66.4 52.9 79.3

175 4.6 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

