

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026272.D
 Acq On : 29 Oct 2015 19:42
 Operator : SY/AP
 Sample : G4169-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Oct 30 02:16:10 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	599807	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	1652190	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.78	117	1912646	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	1500360	10.34	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

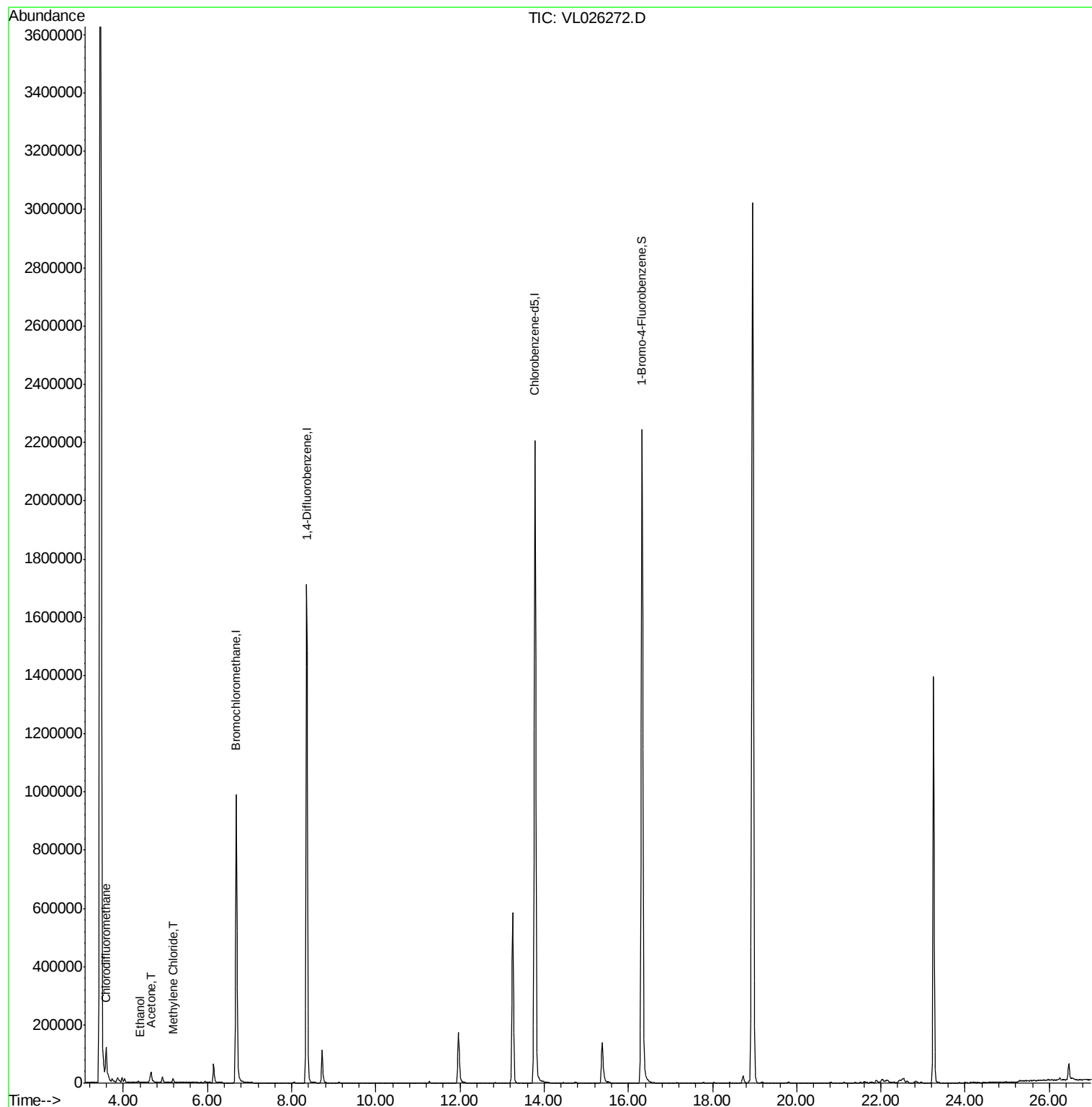
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.59	51	122443	1.62	ppbv	99
13) Ethanol	4.39	45	1455	0.27	ppbv #	33
15) Acetone	4.66	43	41882	0.53	ppbv #	62
20) Methylene Chloride	5.18	84	7108	0.21	ppbv	84

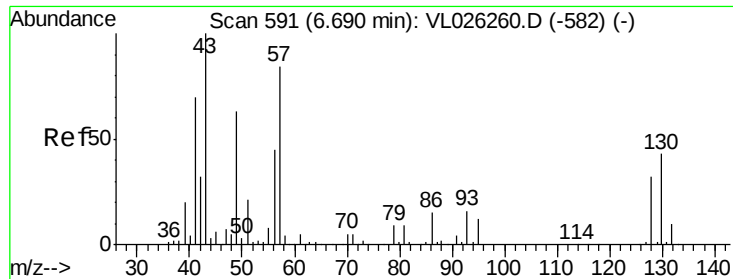
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026272.D

Acq: 29 Oct 2015 19:42

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

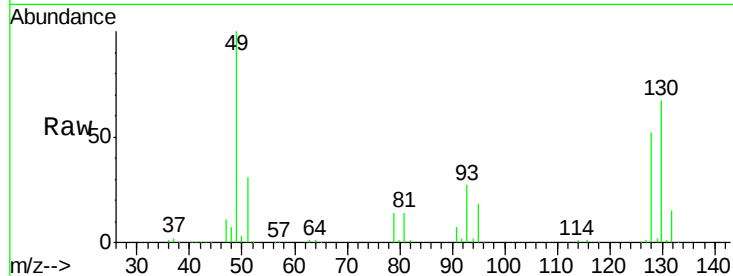
Tot Ion: 49 Resp: 599807

Ion Ratio Lower Upper

49 100

128 54.1 26.7 80.1

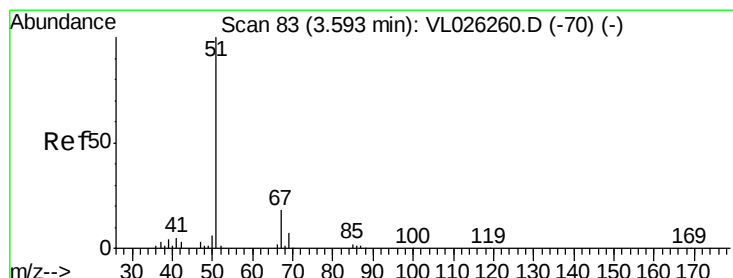
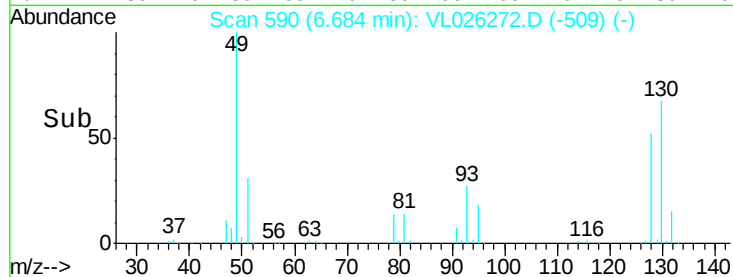
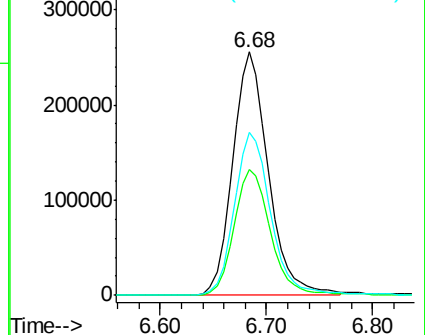
130 69.4 34.4 103.2



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



#3

Chlorodifluoromethane

Concen: 1.62 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026272.D

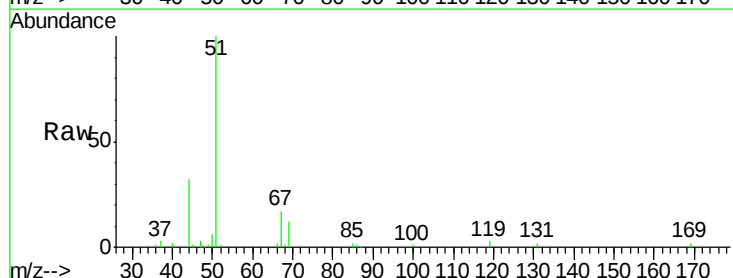
Acq: 29 Oct 2015 19:42

Tgt Ion: 51 Resp: 122443

Ion Ratio Lower Upper

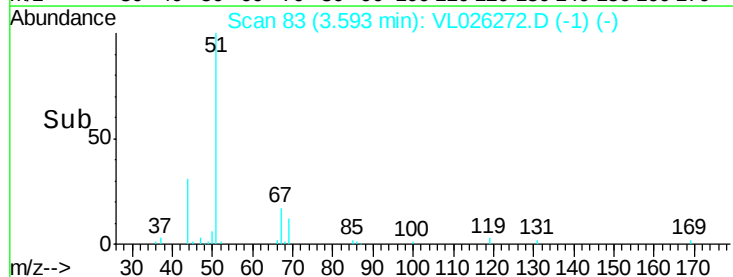
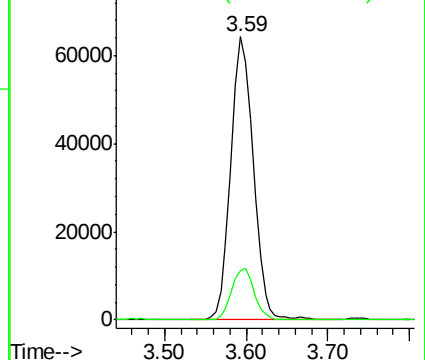
51 100

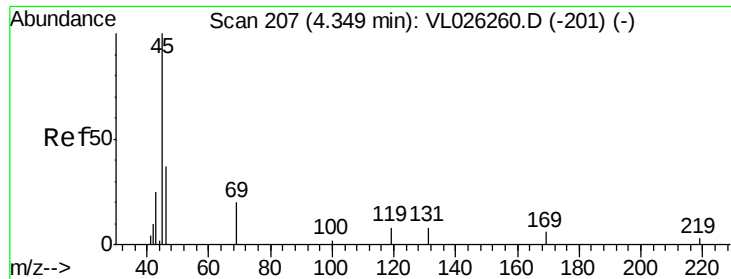
67 17.9 14.5 21.7



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.27 ppbv

RT: 4.39 min Scan# 214

Delta R.T. 0.04 min

Lab File: VL026272.D

Acq: 29 Oct 2015 19:42

Instrument :

MSVOA_L

ClientSampleId :

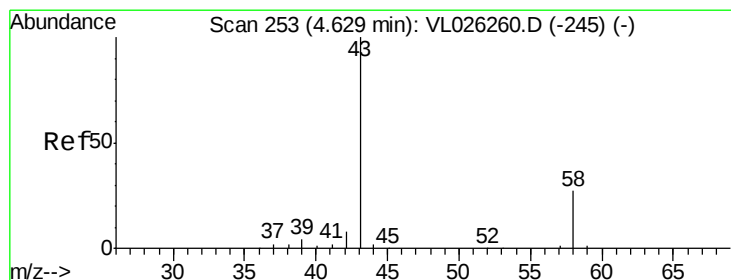
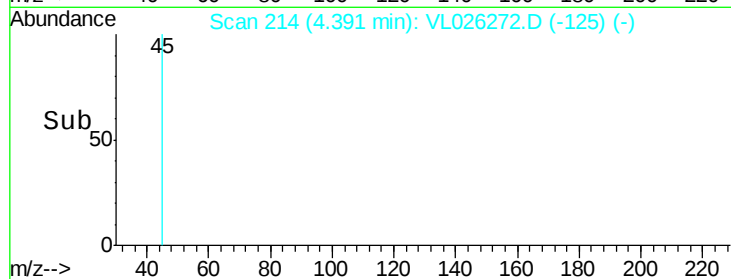
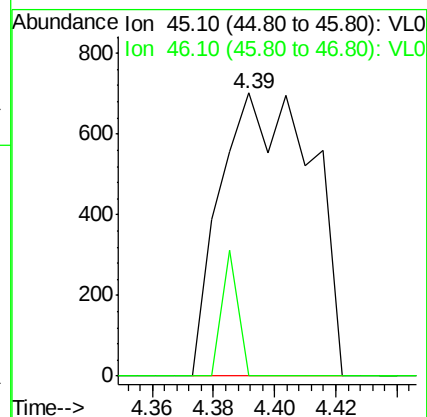
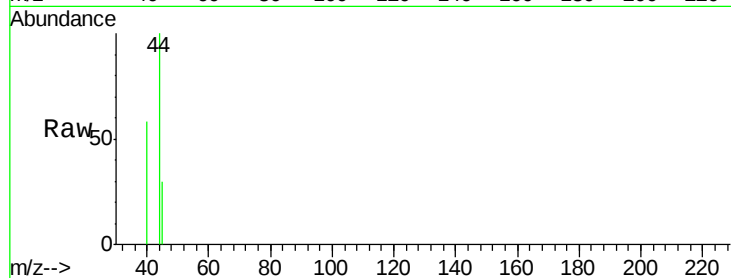
IA1DL

Tot Ion: 45 Resp: 1455

Ion Ratio Lower Upper

45 100

46 0.0 17.0 68.0#



#15

Acetone

Concen: 0.53 ppbv

RT: 4.66 min Scan# 258

Delta R.T. 0.03 min

Lab File: VL026272.D

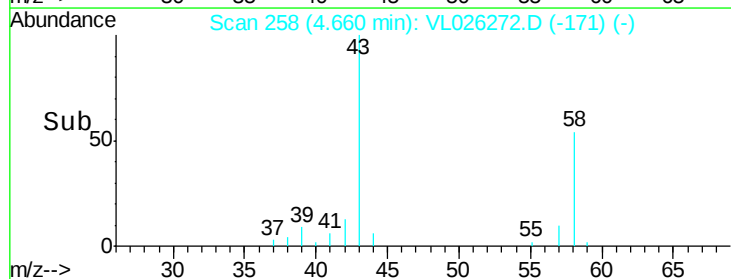
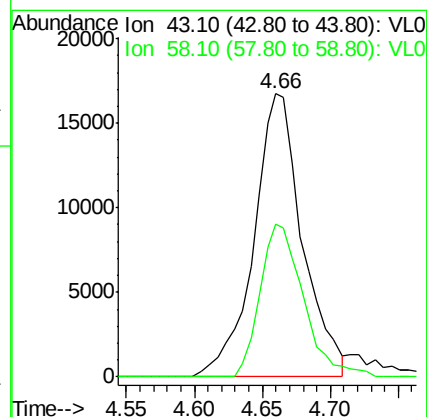
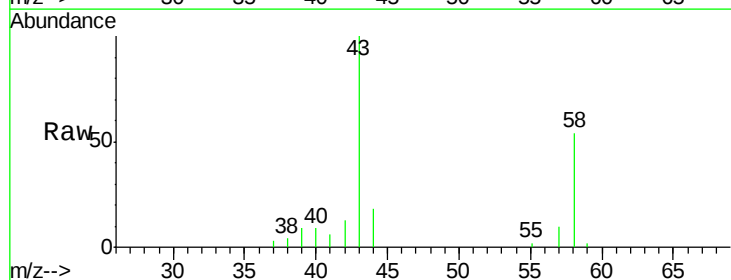
Acq: 29 Oct 2015 19:42

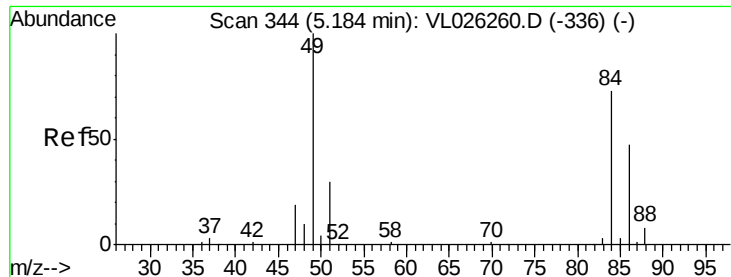
Tgt Ion: 43 Resp: 41882

Ion Ratio Lower Upper

43 100

58 48.0 22.3 33.5#



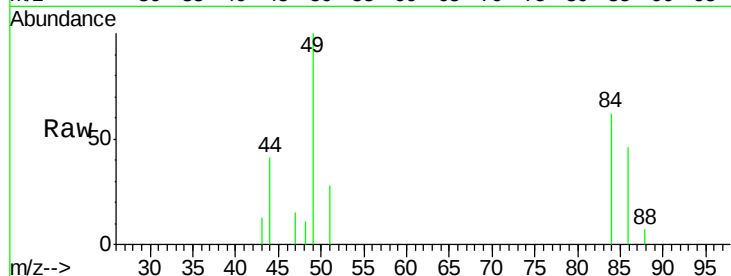


#20
Methylene Chloride
Concen: 0.21 ppbv
RT: 5.18 min Scan# 343
Delta R.T. -0.01 min
Lab File: VL026272.D
Acq: 29 Oct 2015 19:42

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion: 84 Resp: 7108

Ion	Ratio	Lower	Upper
84	100		
49	160.1	109.0	163.4
51	44.5	32.8	49.2
86	73.7	50.8	76.2

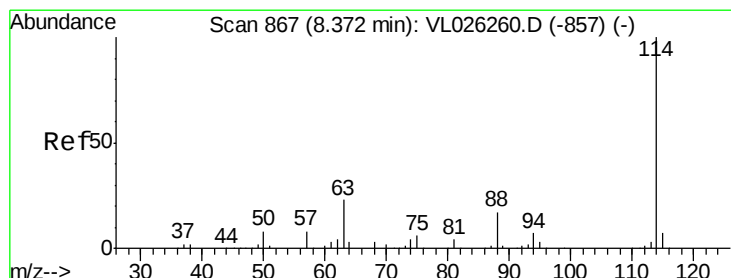
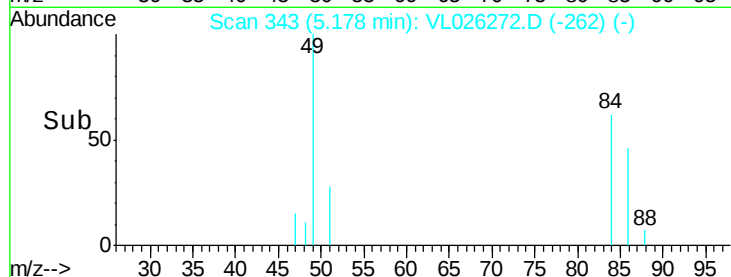
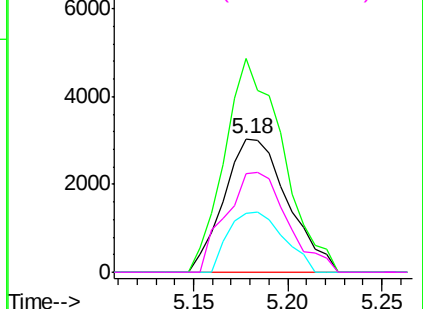


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

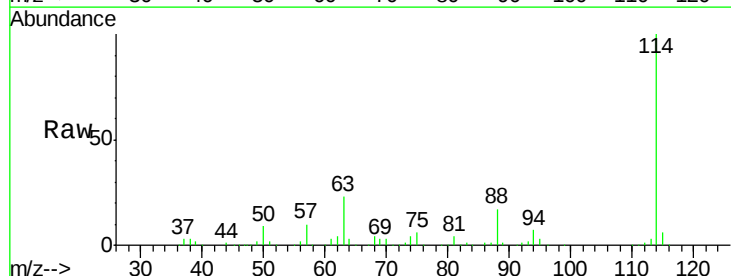
Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. -0.01 min
Lab File: VL026272.D
Acq: 29 Oct 2015 19:42

Tgt Ion: 114 Resp: 1652190

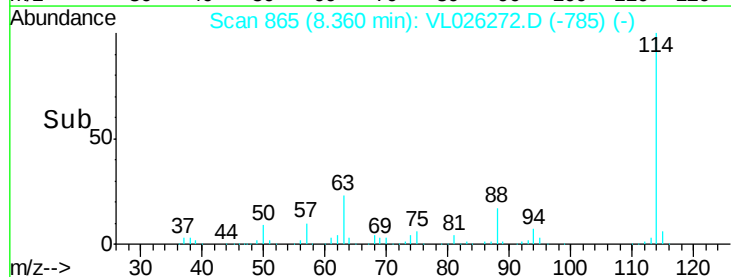
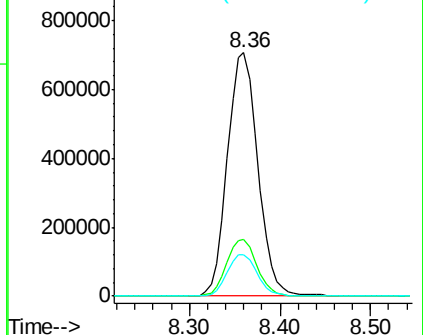
Ion	Ratio	Lower	Upper
114	100		
63	23.3	18.6	28.0
88	17.0	13.4	20.2

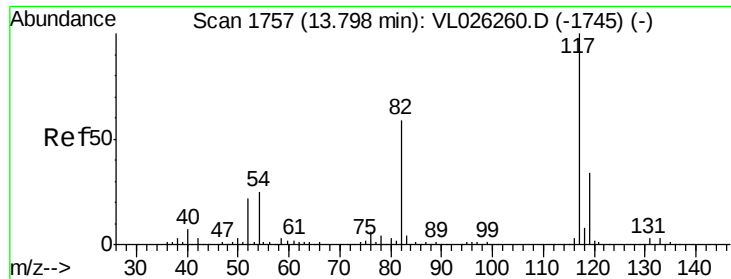


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

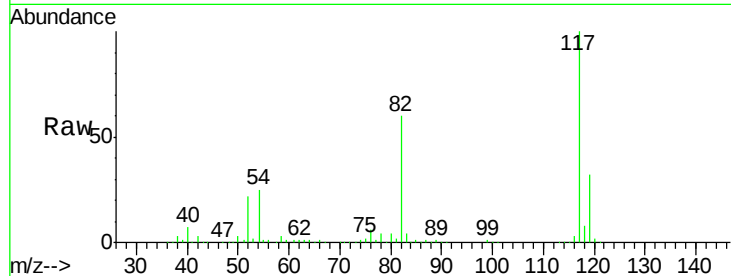




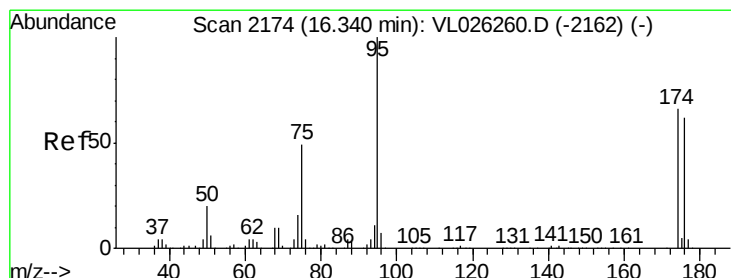
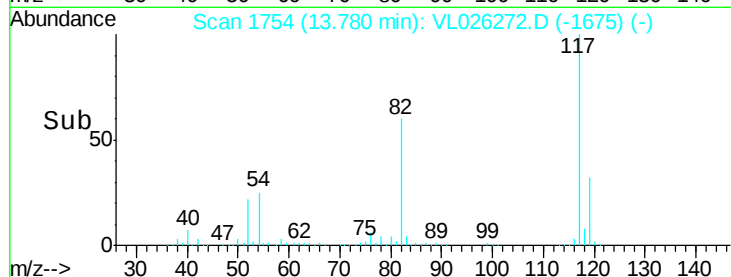
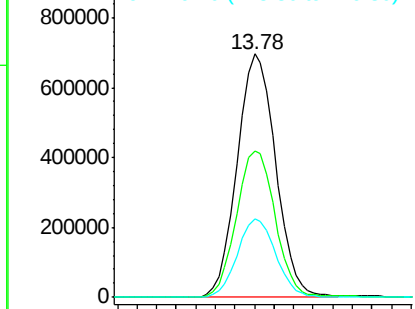
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.02 min
Lab File: VL026272.D
Acq: 29 Oct 2015 19:42

Instrument :
MSVOA_L
ClientSampleID :
IA1DL

Tot Ion:117 Resp: 1912646
Ion Ratio Lower Upper
117 100
82 61.4 48.2 72.4
119 32.5 46.2 69.2#

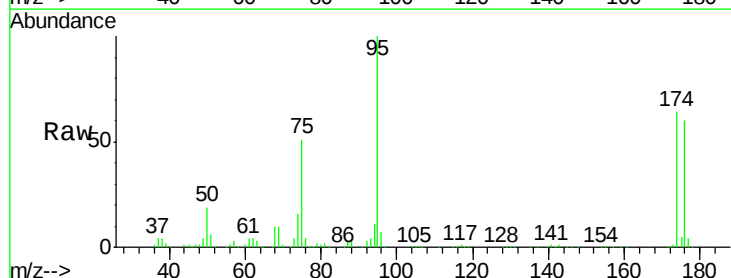


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.34 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. -0.02 min
Lab File: VL026272.D
Acq: 29 Oct 2015 19:42

Tgt Ion: 95 Resp: 1500360
Ion Ratio Lower Upper
95 100
174 64.8 52.9 79.3
175 4.7 3.8 5.8



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

