

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026848.D
 Acq On : 10 Feb 2016 10:12
 Operator : SY/AP
 Sample : H1404-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Feb 11 02:46:36 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10 03:14:04 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1737596	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	5173973	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4966379	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	3534028	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

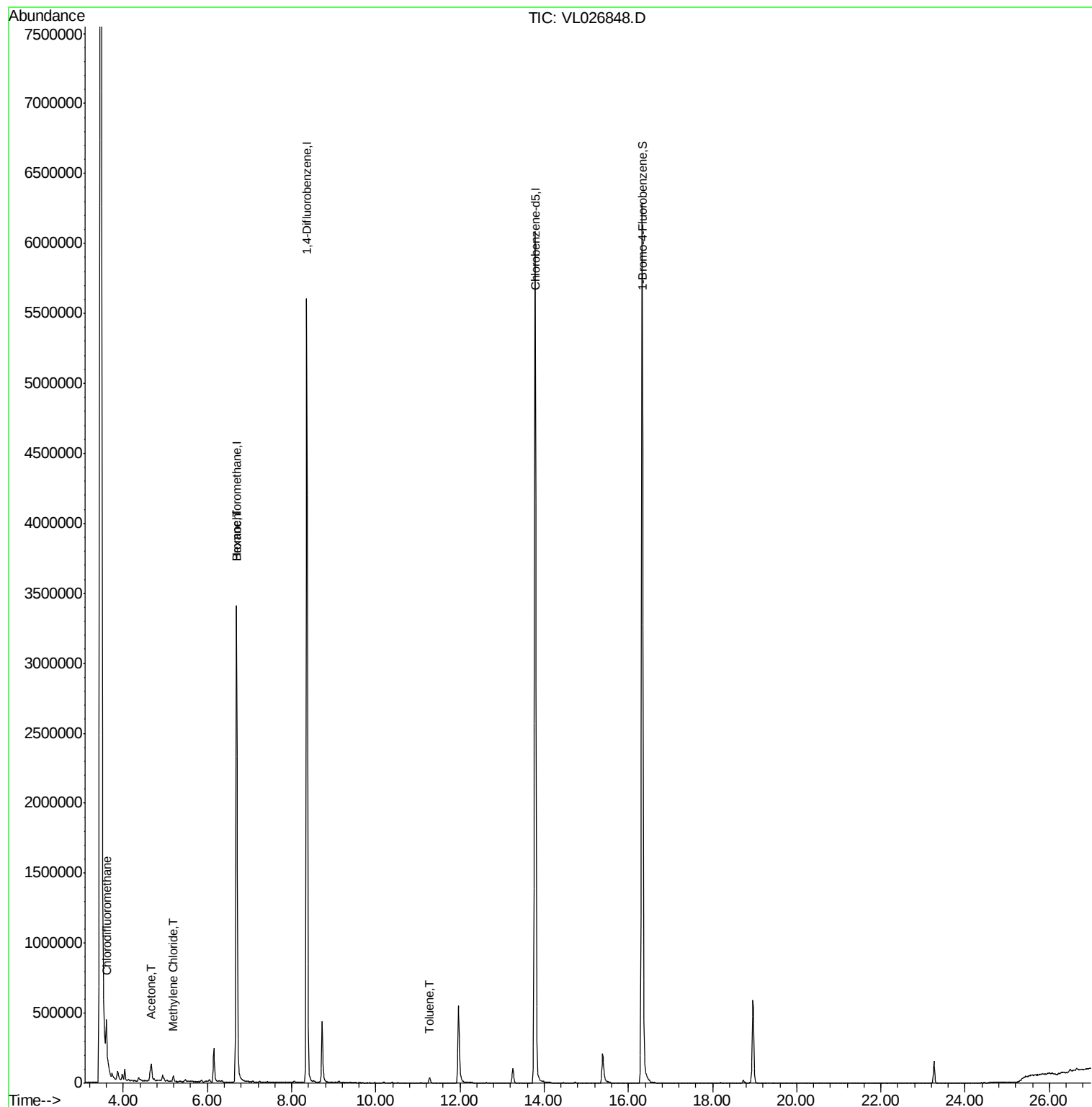
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.60	51	325895	1.16	ppbv	97
15) Acetone	4.67	43	139793	0.59	ppbv #	51
20) Methylene Chloride	5.19	84	20674	0.17	ppbv	90
26) Hexane	6.70	57	35041	0.17	ppbv #	51
53) Toluene	11.27	91	40185	0.09	ppbv	94

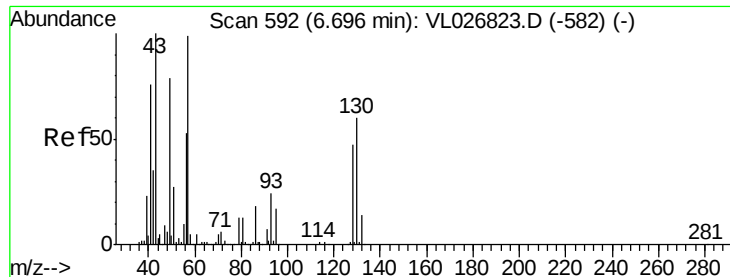
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

QA-1DL

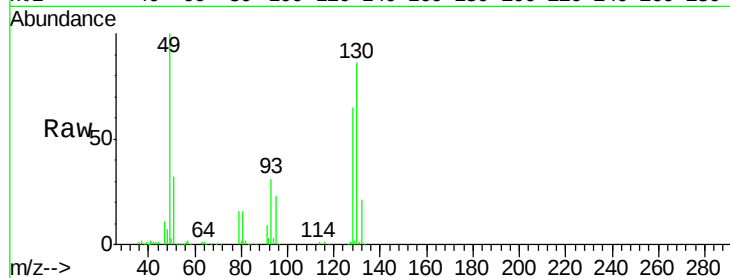
Tot Ion: 49 Resp: 1737596

Ion Ratio Lower Upper

49 100

128 0.0 29.7 89.1#

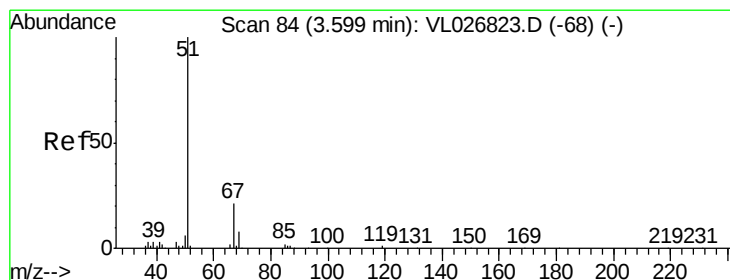
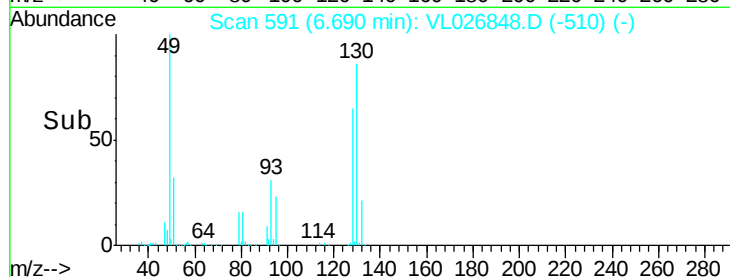
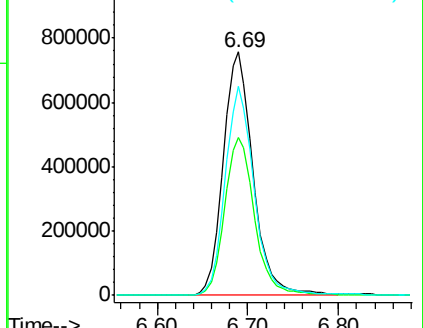
130 84.1 38.3 114.8



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: 1.16 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026848.D

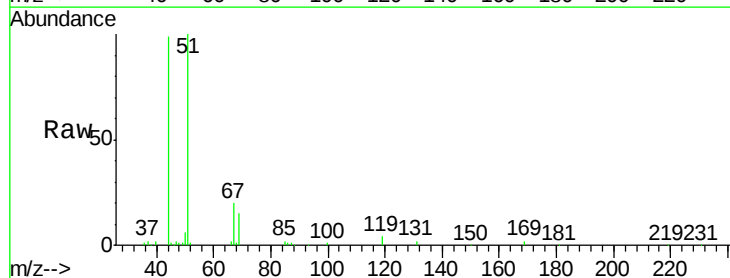
Acq: 10 Feb 2016 10:12

Tgt Ion: 51 Resp: 325895

Ion Ratio Lower Upper

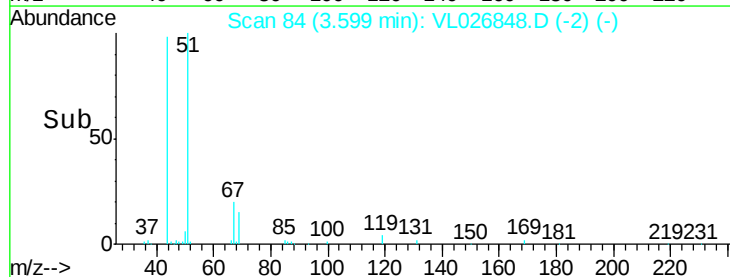
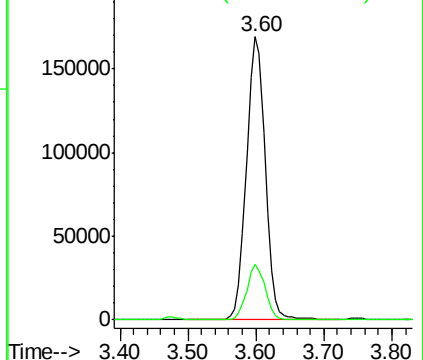
51 100

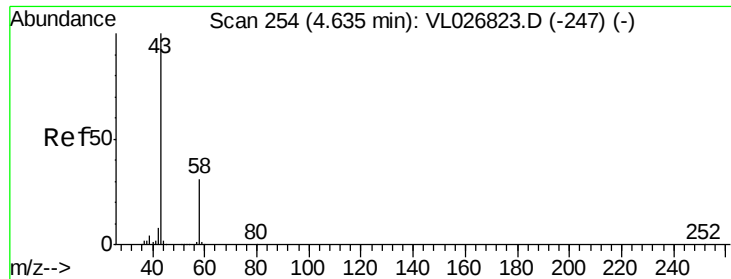
67 19.3 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.59 ppbv

RT: 4.67 min Scan# 259

Delta R.T. 0.03 min

Lab File: VL026848.D

Acq: 10 Feb 2016 10:12

Instrument :

MSVOA_L

ClientSampleId :

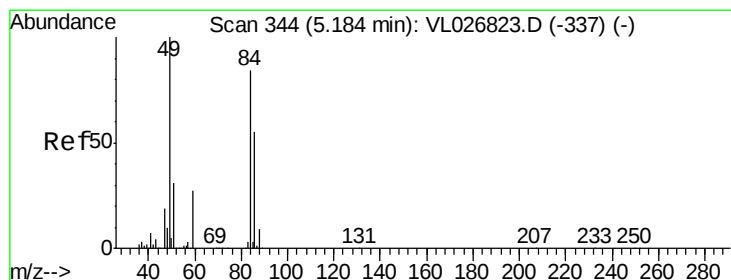
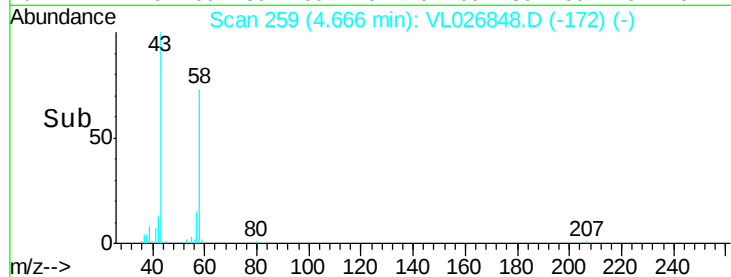
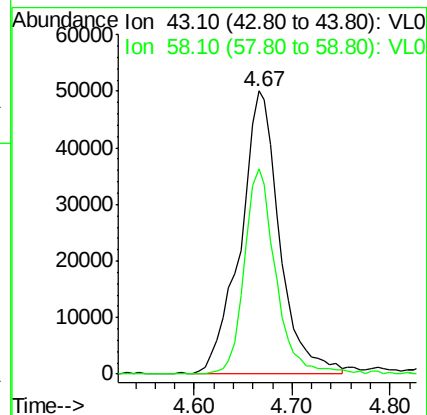
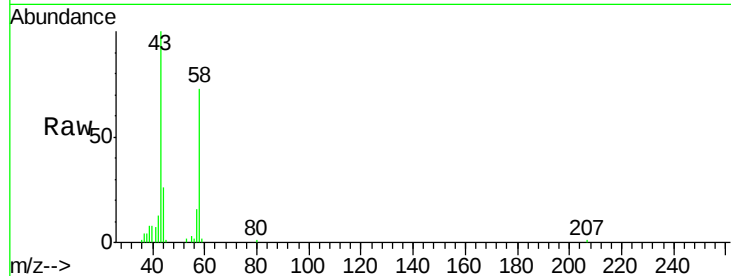
QA-1DL

Tot Ion: 43 Resp: 139793

Ion Ratio Lower Upper

43 100

58 58.5 25.2 37.8#



#20

Methylene Chloride

Concen: 0.17 ppbv

RT: 5.19 min Scan# 345

Delta R.T. 0.01 min

Lab File: VL026848.D

Acq: 10 Feb 2016 10:12

Tgt Ion: 84 Resp: 20674

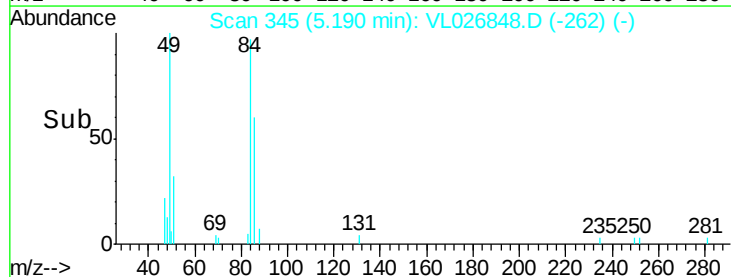
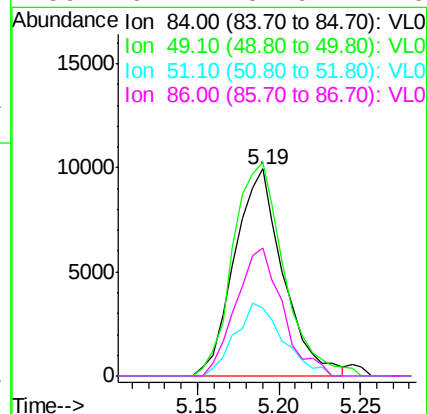
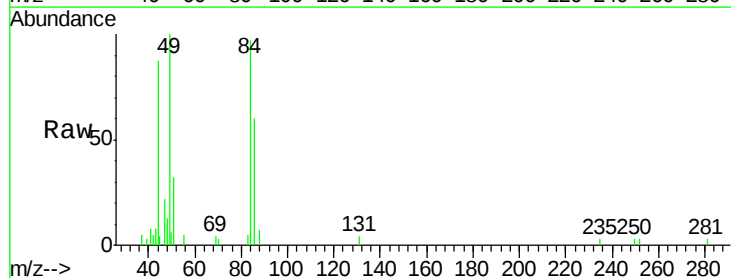
Ion Ratio Lower Upper

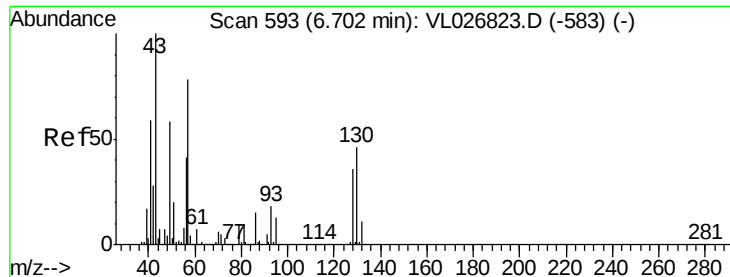
84 100

49 103.3 94.9 142.3

51 33.1 29.5 44.3

86 61.7 51.9 77.9

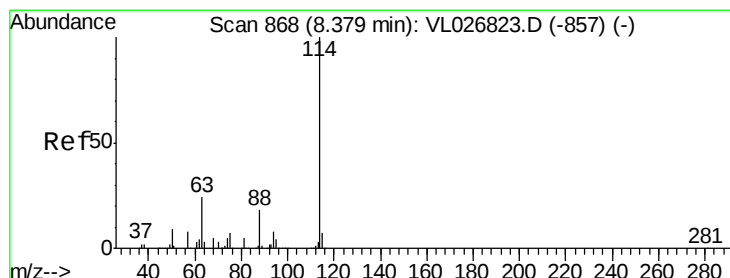
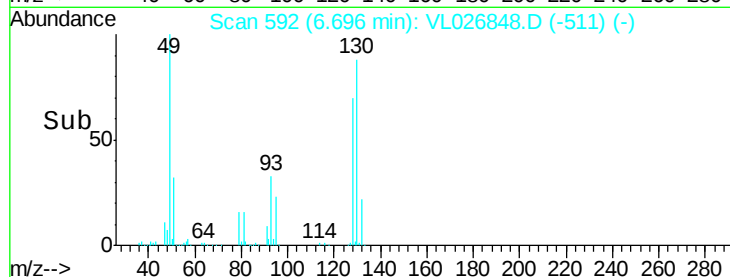
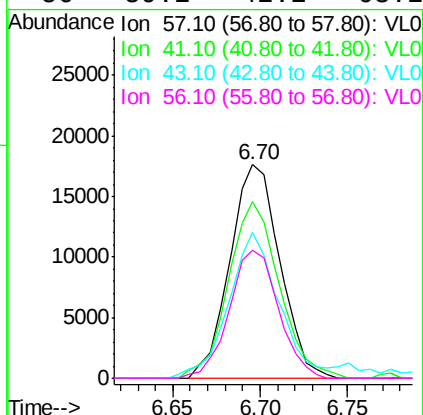
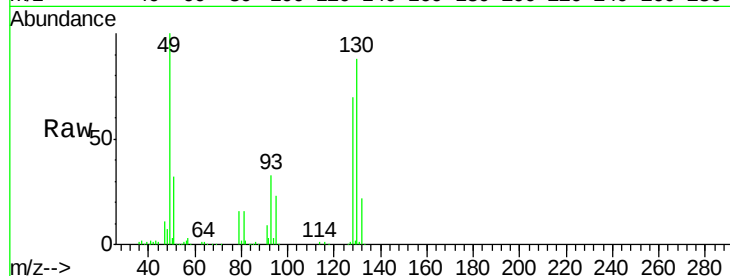




#26
Hexane
Concen: 0.17 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026848.D
Acq: 10 Feb 2016 10:12

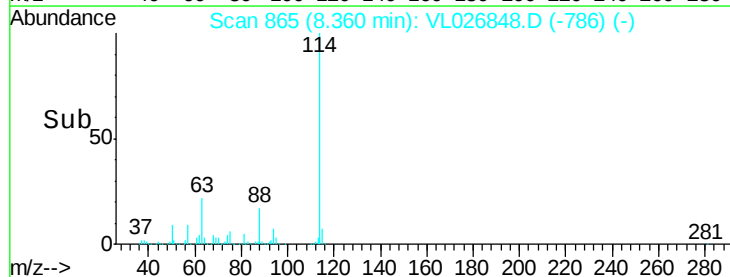
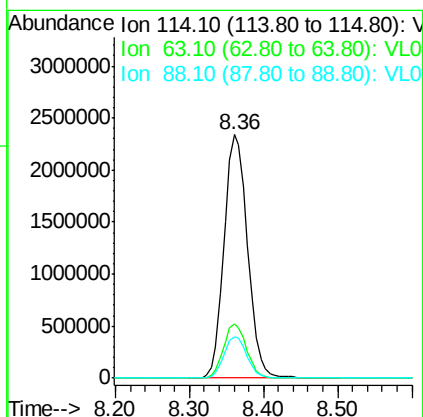
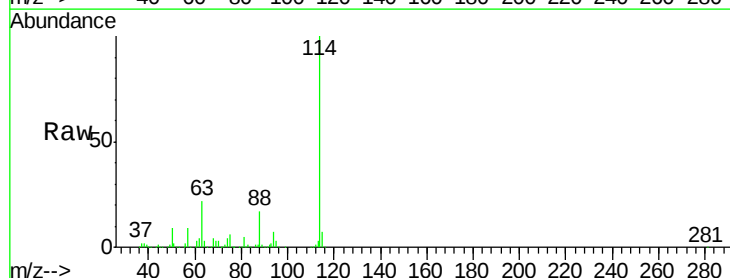
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

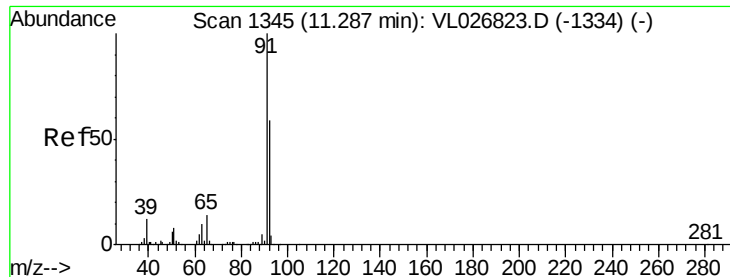
Tot Ion: 57 Resp: 35041
Ion Ratio Lower Upper
57 100
41 84.9 63.3 94.9
43 75.1 151.4 227.2#
56 59.2 42.2 63.2



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. -0.02 min
Lab File: VL026848.D
Acq: 10 Feb 2016 10:12

Tgt Ion: 114 Resp: 5173973
Ion Ratio Lower Upper
114 100
63 22.0 19.7 29.5
88 16.6 13.8 20.6





#53

Toluene

Concen: 0.09 ppbv

RT: 11.27 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL026848.D

Acq: 10 Feb 2016 10:12

Instrument :

MSVOA_L

ClientSampleId :

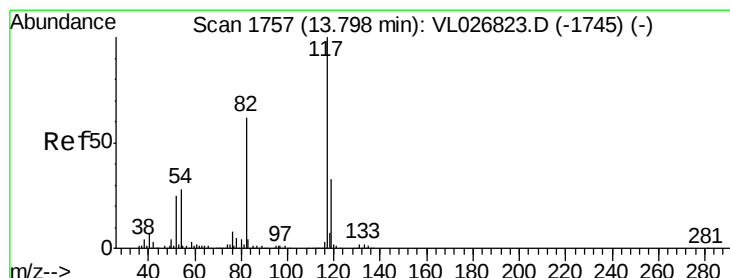
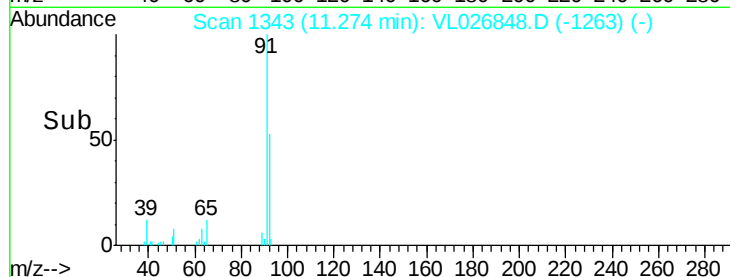
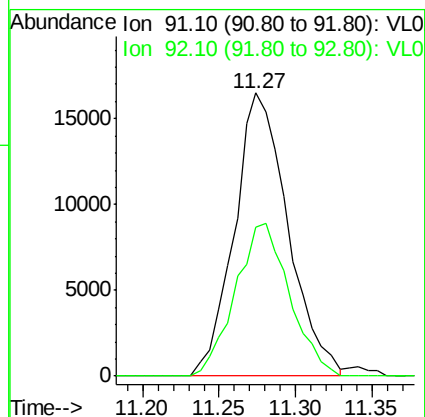
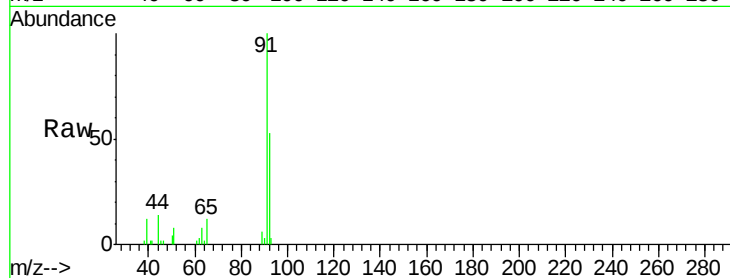
QA-1DL

Tot Ion: 91 Resp: 40185

Ion Ratio Lower Upper

91 100

92 54.5 47.3 70.9



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026848.D

Acq: 10 Feb 2016 10:12

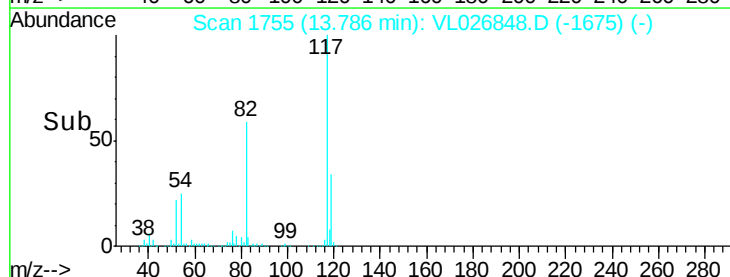
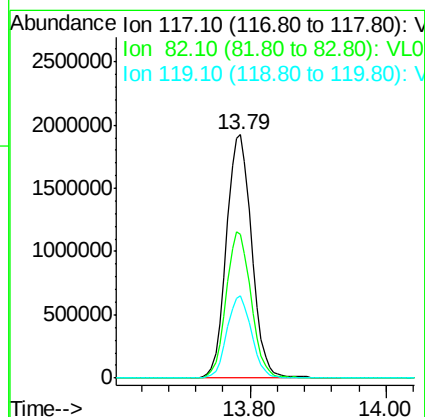
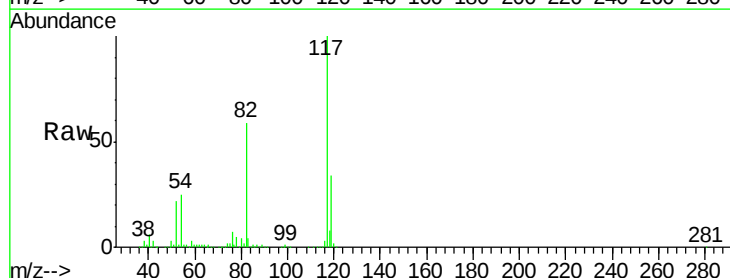
Tgt Ion: 117 Resp: 4966379

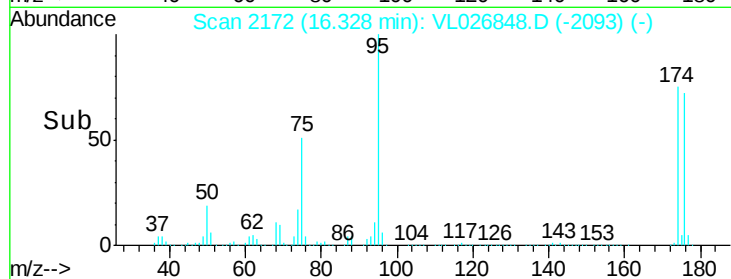
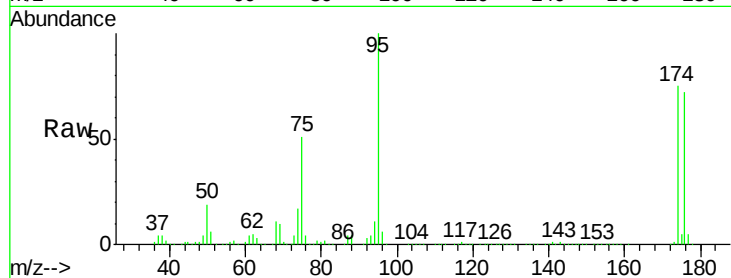
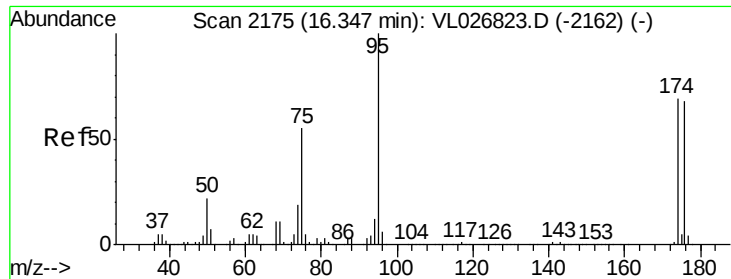
Ion Ratio Lower Upper

117 100

82 59.6 51.9 77.9

119 33.1 48.5 72.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.91 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. -0.02 min

Lab File: VL026848.D

Acq: 10 Feb 2016 10:12

Instrument :

MSVOA_L

ClientSampleId :

QA-1DL

Tot Ion: 95 Resp: 3534028

Ion Ratio Lower Upper

95 100

174 74.8 55.6 83.4

175 5.2 3.9 5.9

