

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026203.D
 Acq On : 10 Oct 2015 8:52
 Operator : SY/MD
 Sample : G3925-03DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 12 02:10:32 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	547309	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.31	114	1665935	10.00	ppbv	-0.03
55) Chlorobenzene-d5	13.72	117	1901605	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1496860	10.25	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

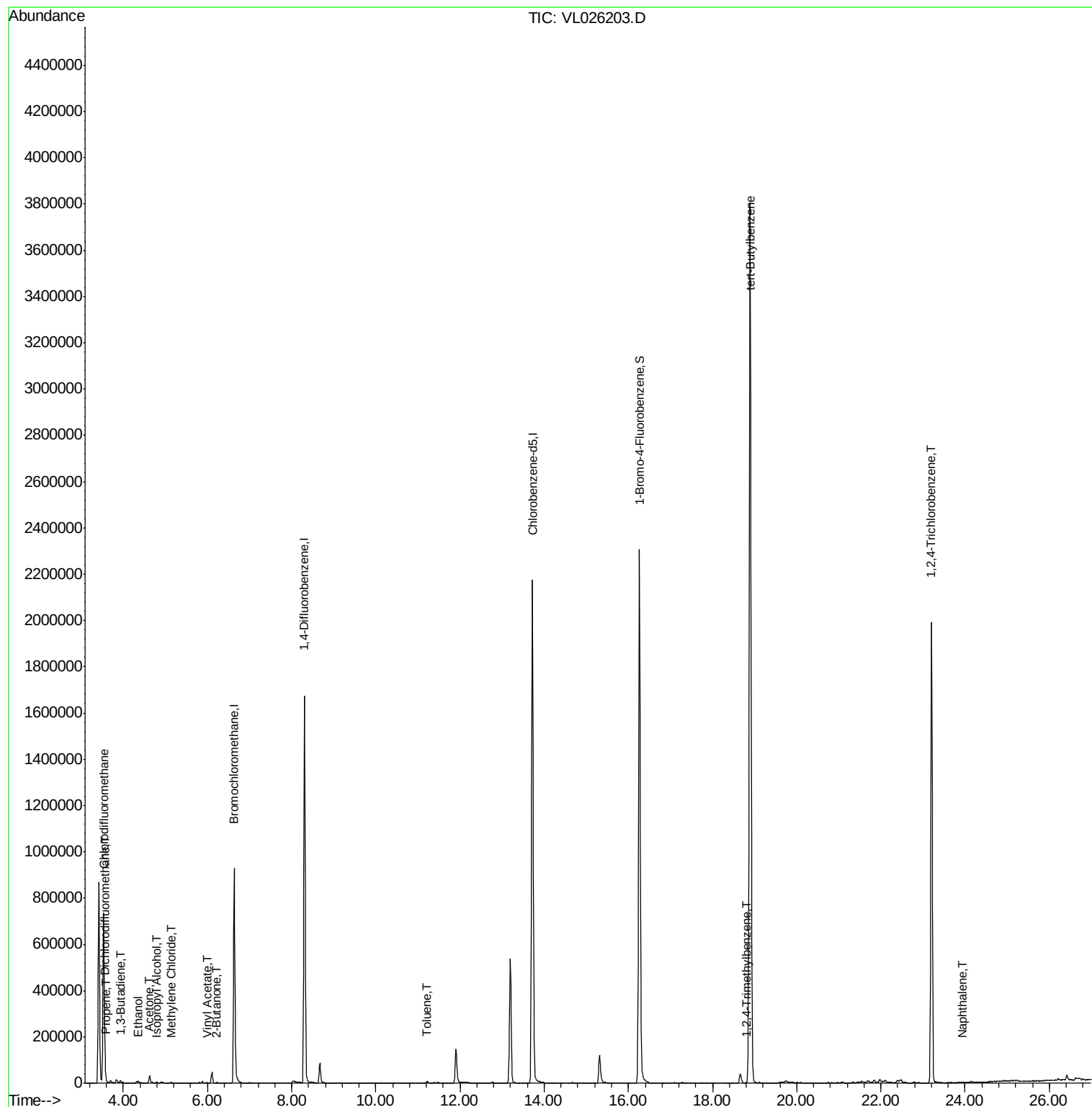
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.56	85	3836	0.04	ppbv	99
3) Chlorodifluoromethane	3.53	51	844047	13.20	ppbv #	70
9) Propene	3.60	41	1404	0.05	ppbv #	71
13) Ethanol	4.35	45	9013	2.09	ppbv	78
15) Acetone	4.62	43	37846	0.53	ppbv #	67
16) 1,3-Butadiene	3.93	39	2027	0.06	ppbv #	7
19) Isopropyl Alcohol	4.80	45	2804	0.10	ppbv #	1
20) Methylene Chloride	5.14	84	2124	0.07	ppbv	90
23) Vinyl Acetate	5.99	43	4948	0.04	ppbv #	73
34) 2-Butanone	6.23	43	5888	0.06	ppbv #	86
53) Toluene	11.21	91	9580	0.05	ppbv	97
65) tert-Butylbenzene	18.89	119	71280	0.26	ppbv #	26
74) 1,2,4-Trimethylbenzene	18.80	105	8357	0.03	ppbv #	69
79) Naphthalene	23.94	128	4983	0.03	ppbv #	81
81) 1,2,4-Trichlorobenzene	23.20	180	6527	0.09	ppbv #	12

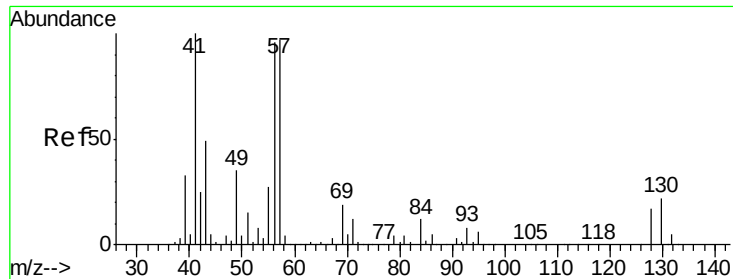
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 12 02:10:32 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

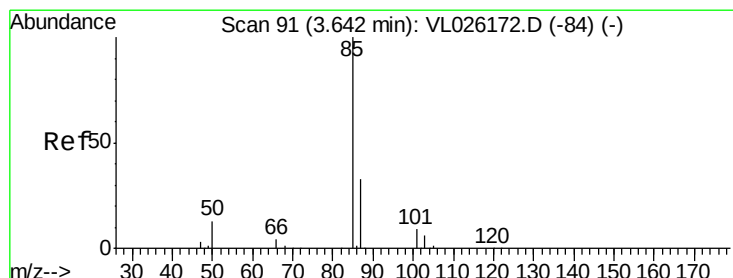
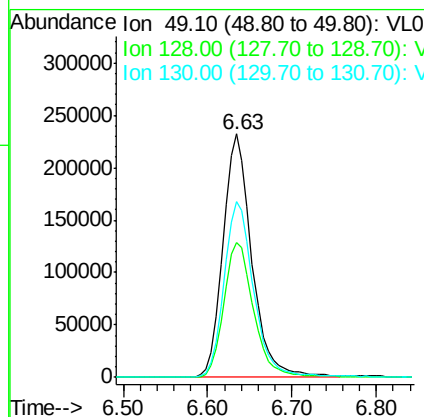
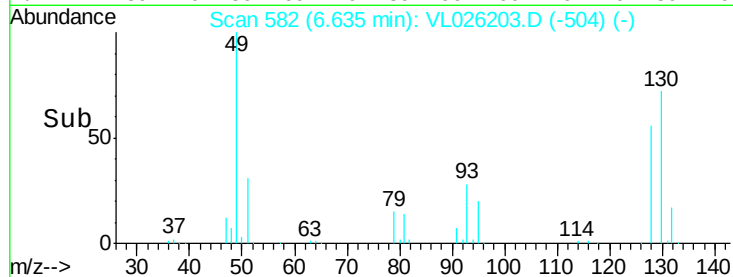
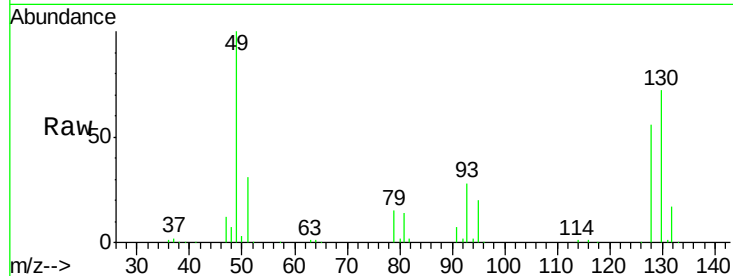




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.63 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

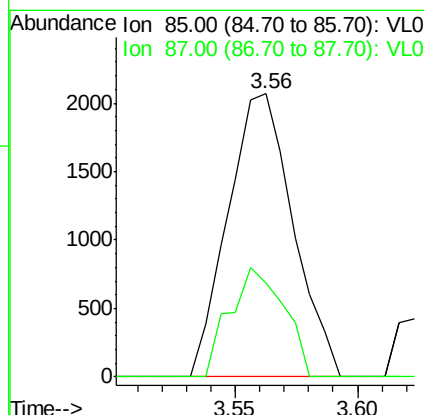
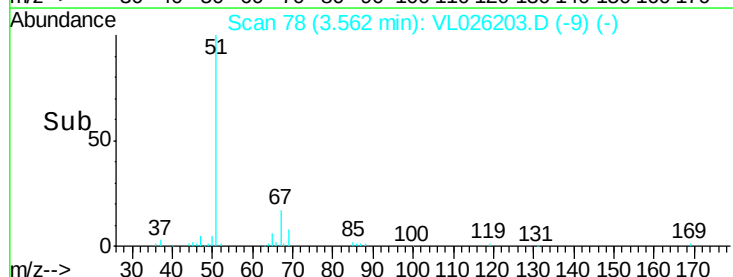
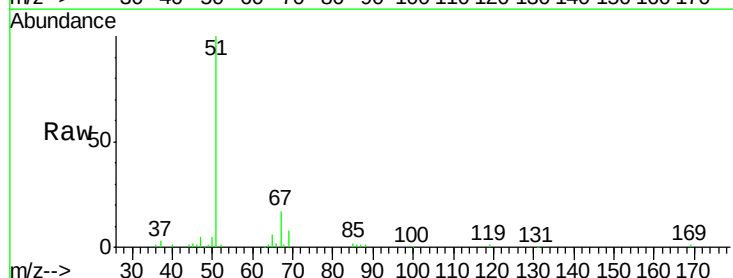
Instrument :
 MSVOA_L
 ClientSampleId :

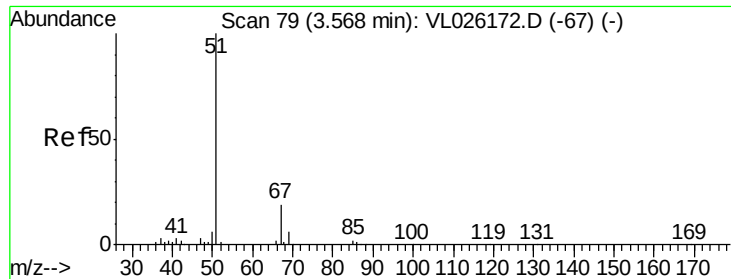
Tot Ion: 49 Resp: 547309
 Ion Ratio Lower Upper
 49 100
 128 57.7 26.3 78.8
 130 74.8 34.2 102.5



#2
 Dichlorodifluoromethane
 Concen: 0.04 ppbv
 RT: 3.56 min Scan# 78
 Delta R.T. -0.08 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Tgt Ion: 85 Resp: 3836
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.2 39.4

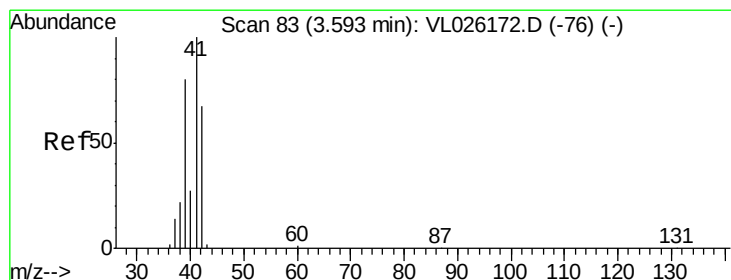
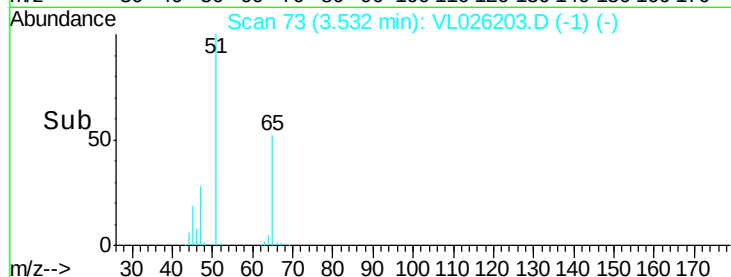
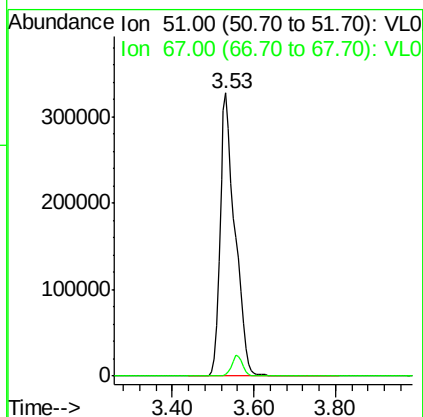
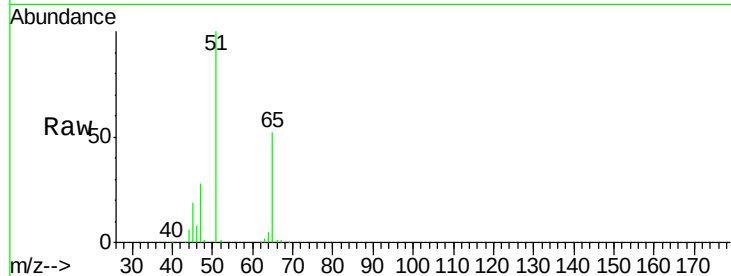




#3
 Chlorodifluoromethane
 Concen: 13.20 ppbv
 RT: 3.53 min Scan# 73
 Delta R.T. -0.04 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

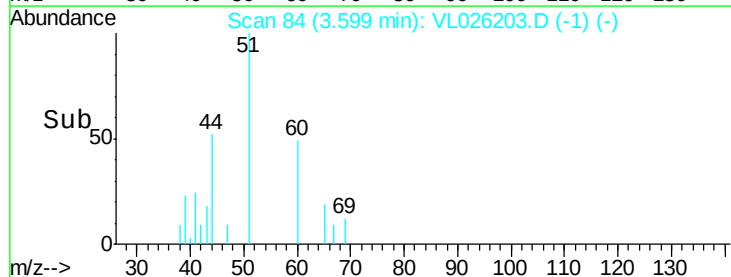
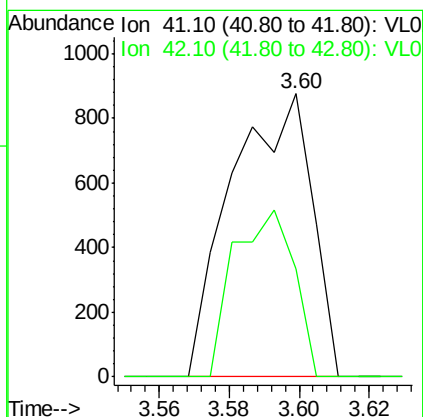
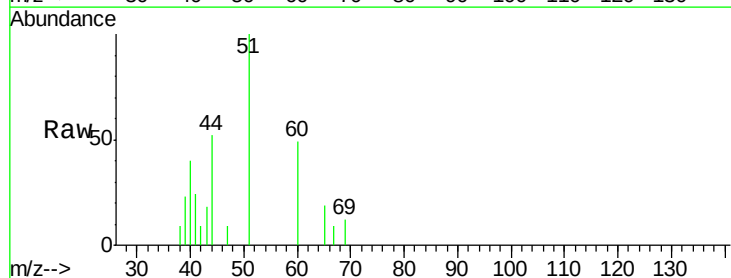
Instrument :
 MSVOA_L
 ClientSampleId :

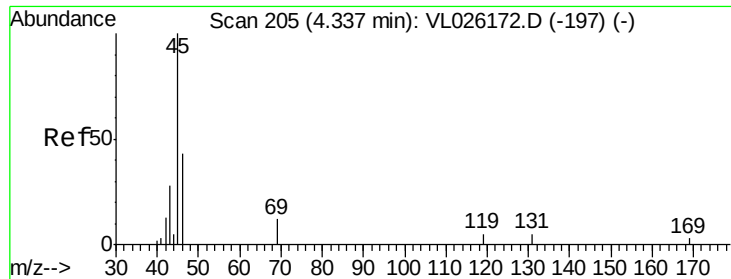
Tot Ion: 51 Resp: 844047
 Ion Ratio Lower Upper
 51 100
 67 5.3 14.9 22.3#



#9
 Propene
 Concen: 0.05 ppbv
 RT: 3.60 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Tgt Ion: 41 Resp: 1404
 Ion Ratio Lower Upper
 41 100
 42 43.9 53.6 80.4#





#13

Ethanol

Concen: 2.09 ppbv

RT: 4.35 min Scan# 207

Delta R.T. 0.01 min

Lab File: VL026203.D

Acq: 10 Oct 2015 8:52

Instrument :

MSVOA_L

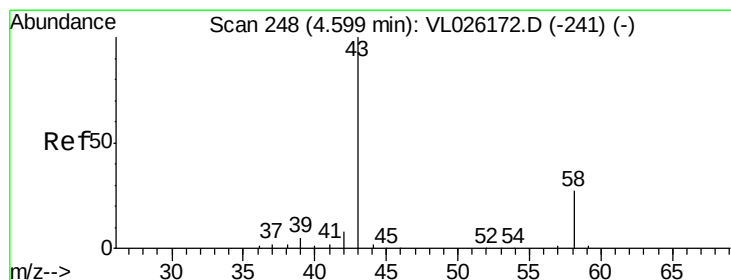
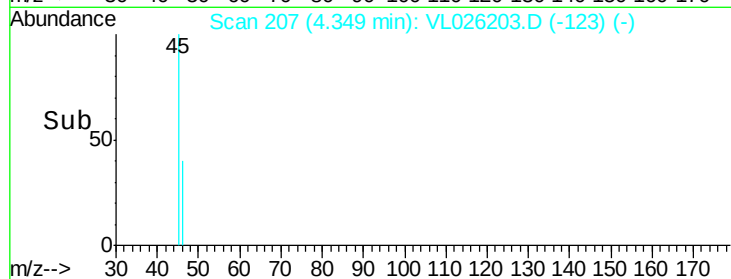
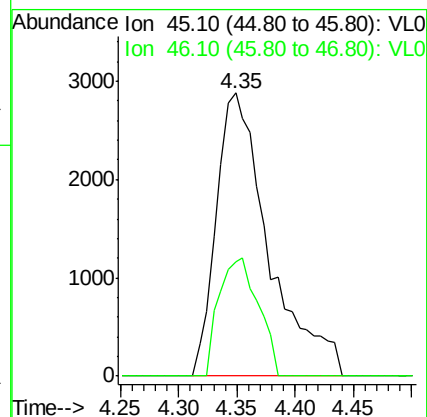
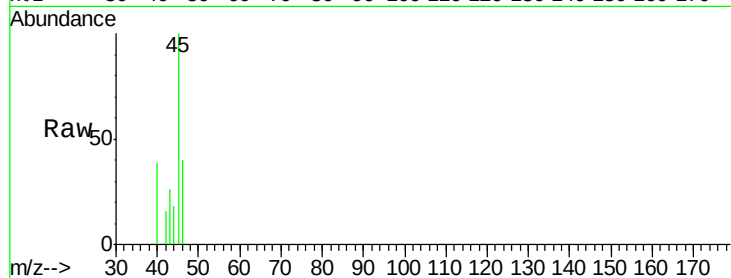
ClientSampleId :

Tot Ion: 45 Resp: 9013

Ion Ratio Lower Upper

45 100

46 31.2 18.1 72.5



#15

Acetone

Concen: 0.53 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL026203.D

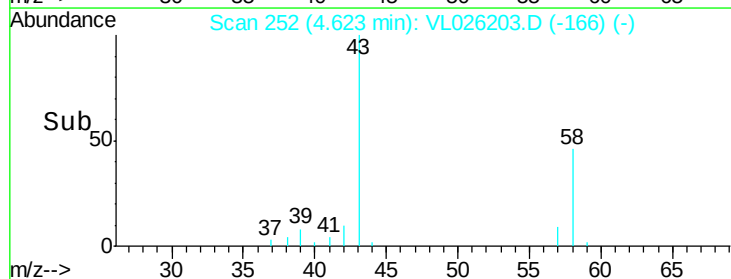
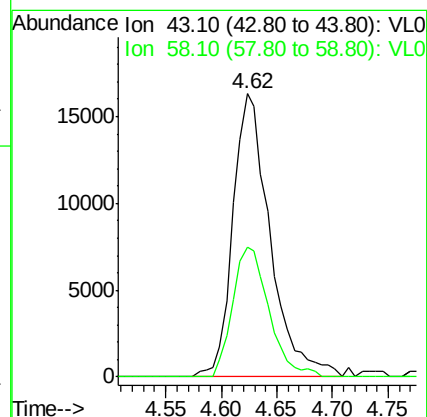
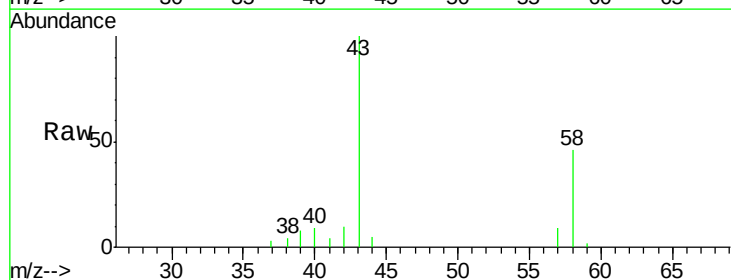
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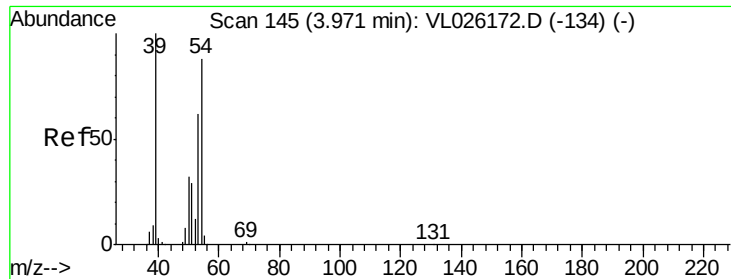
Tgt Ion: 43 Resp: 37846

Ion Ratio Lower Upper

43 100

58 44.5 22.0 33.0#

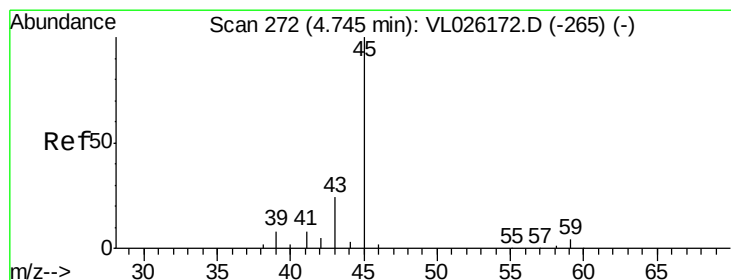
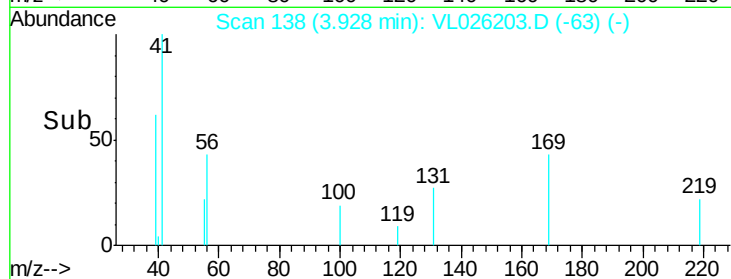
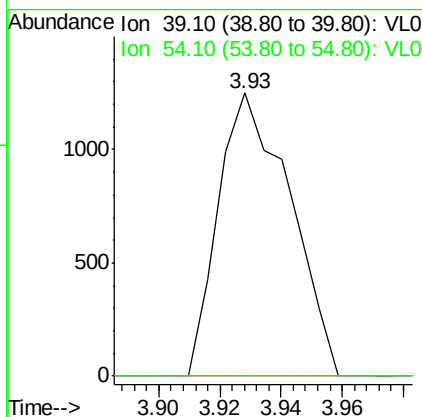
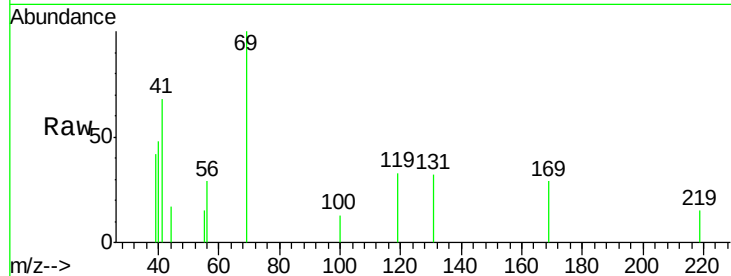




#16
 1,3-Butadiene
 Concen: 0.06 ppbv
 RT: 3.93 min Scan# 138
 Delta R.T. -0.04 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

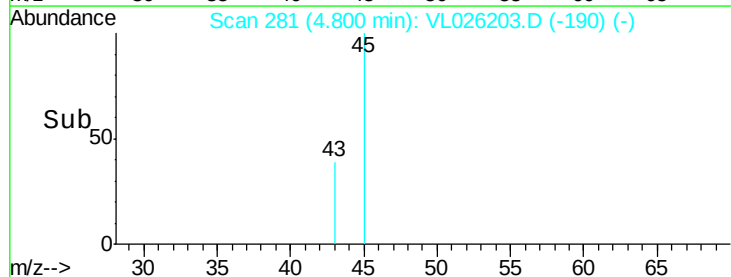
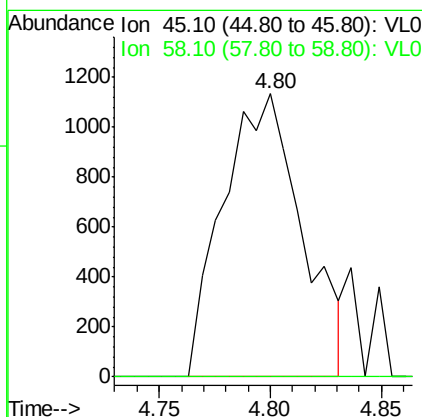
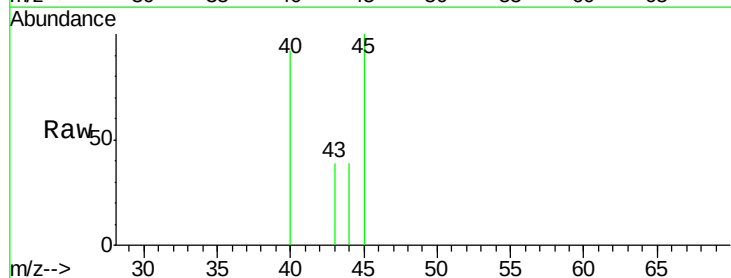
Instrument :
 MSVOA_L
 ClientSampleId :

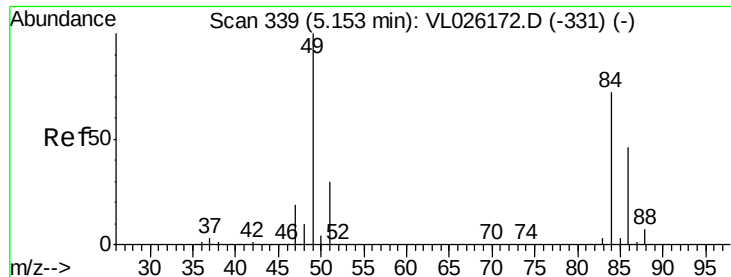
Tot Ion: 39 Resp: 2027
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.9 101.9#



#19
 Isopropyl Alcohol
 Concen: 0.10 ppbv
 RT: 4.80 min Scan# 281
 Delta R.T. 0.05 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Tgt Ion: 45 Resp: 2804
 Ion Ratio Lower Upper
 45 100
 58 600.2 1.7 2.5#

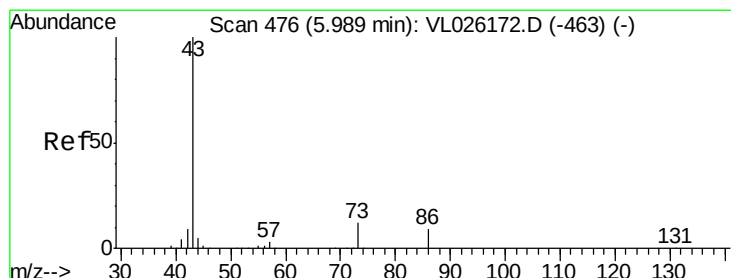
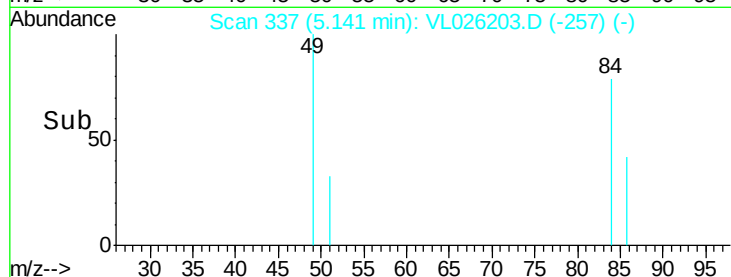
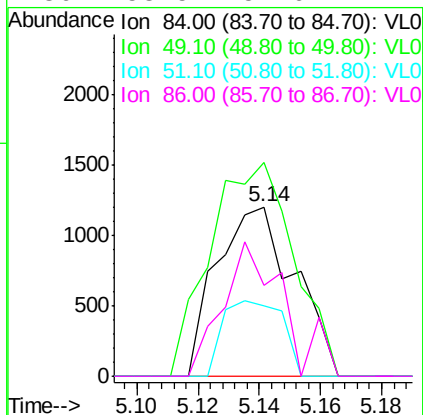
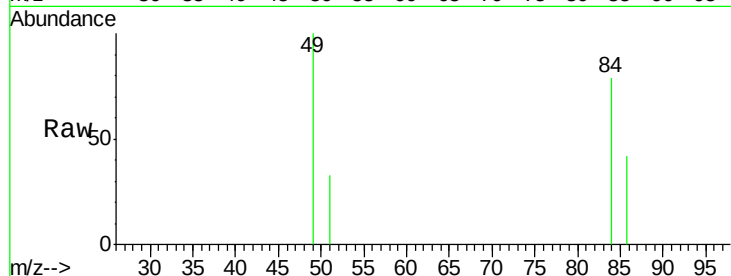




#20
Methvlene Chloride
Concen: 0.07 ppbv
RT: 5.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL026203.D
Acq: 10 Oct 2015 8:52

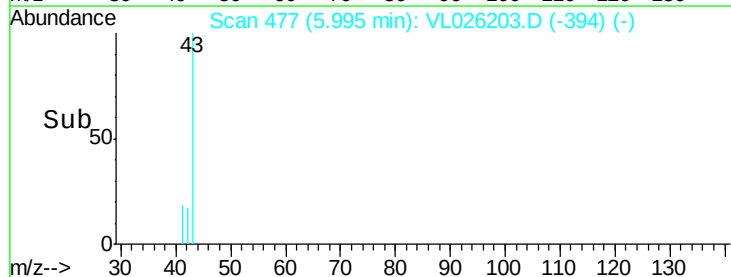
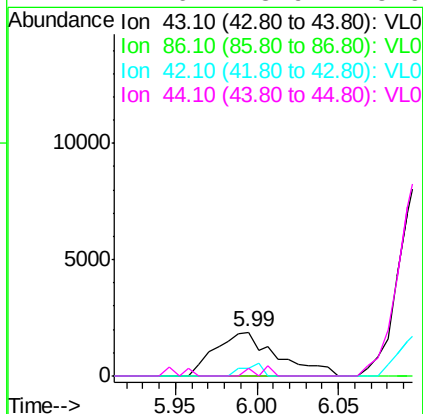
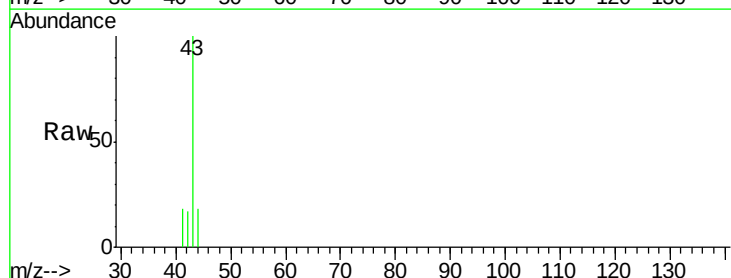
Instrument :
MSVOA_L
ClientSampleId :

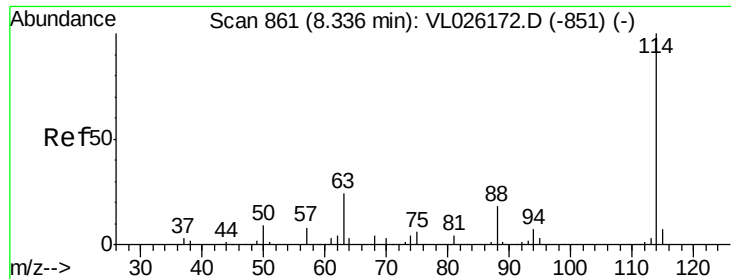
Tot Ion:	84	Resp:	2124
Ion	Ratio	Lower	Upper
84	100		
49	126.3	111.3	166.9
51	41.8	33.0	49.6
86	53.5	51.6	77.4



#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.99 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL026203.D
Acq: 10 Oct 2015 8:52

Tgt Ion:	43	Resp:	4948
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.2	10.8#
42	17.3	7.4	11.2#
44	17.6	3.9	5.9#

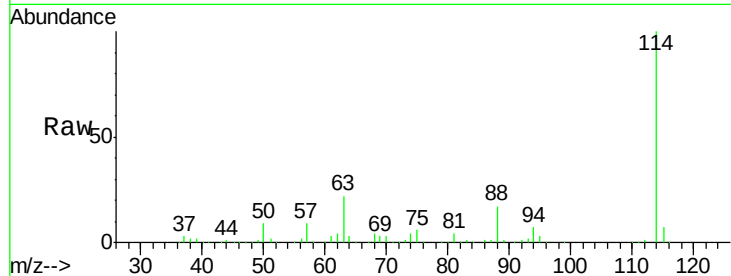




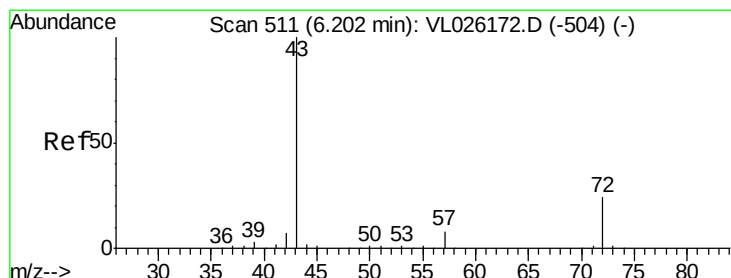
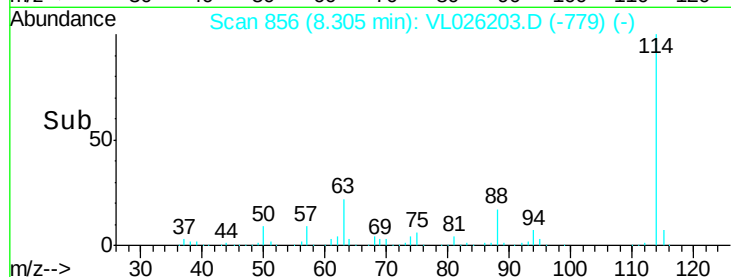
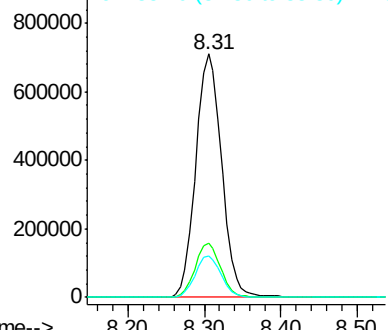
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.03 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1665935
 Ion Ratio Lower Upper
 114 100
 63 22.0 19.0 28.6
 88 17.0 13.8 20.8

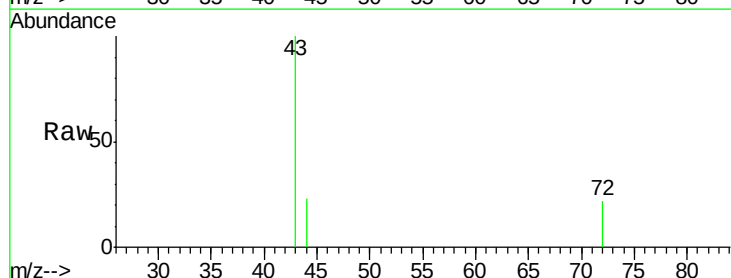


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

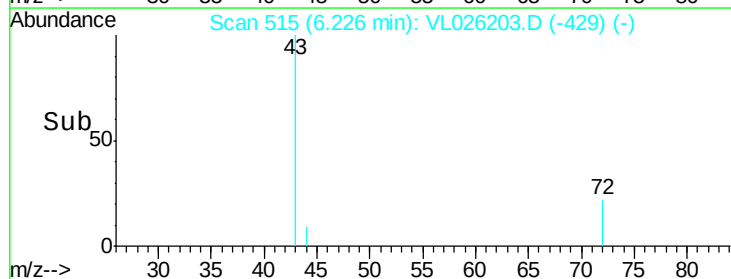
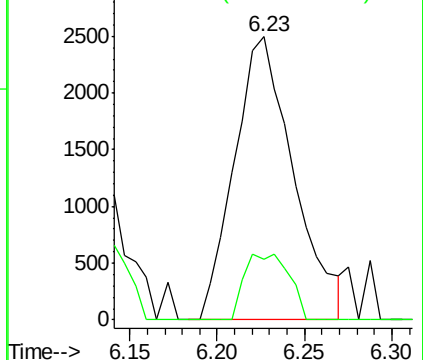


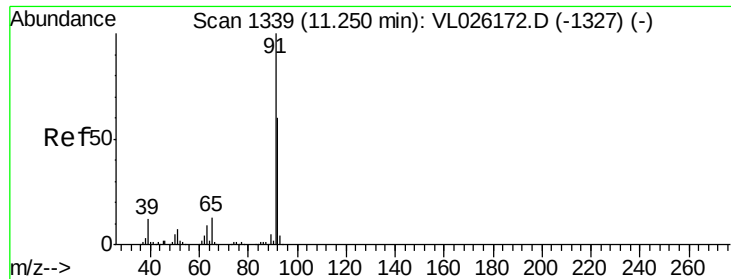
#34
 2-Butanone
 Concen: 0.06 ppbv
 RT: 6.23 min Scan# 515
 Delta R.T. 0.02 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Tgt Ion: 43 Resp: 5888
 Ion Ratio Lower Upper
 43 100
 72 17.5 19.6 29.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#53

Toluene

Concen: 0.05 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VL026203.D

Acq: 10 Oct 2015 8:52

Instrument :

MSVOA_L

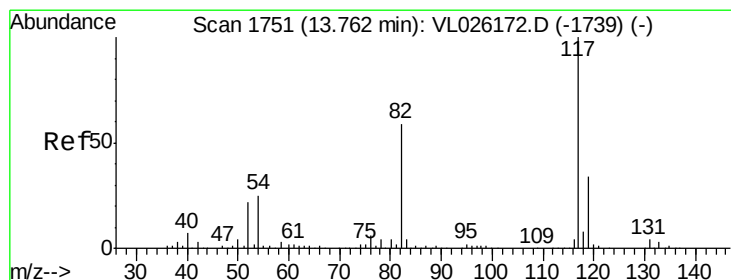
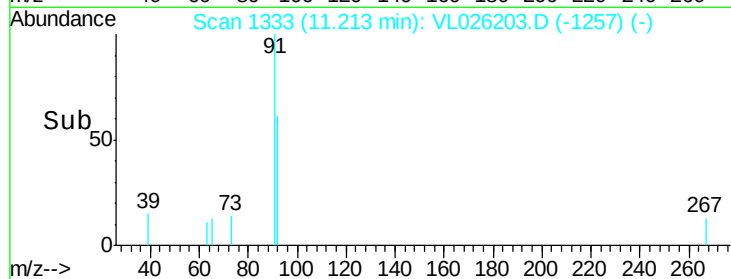
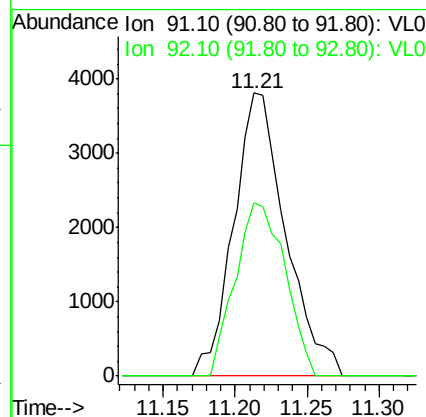
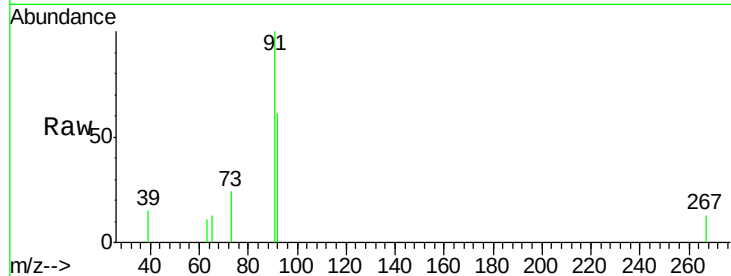
ClientSampleId :

Tot Ion: 91 Resp: 9580

Ion Ratio Lower Upper

91 100

92 58.4 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.72 min Scan# 1744

Delta R.T. -0.04 min

Lab File: VL026203.D

Acq: 10 Oct 2015 8:52

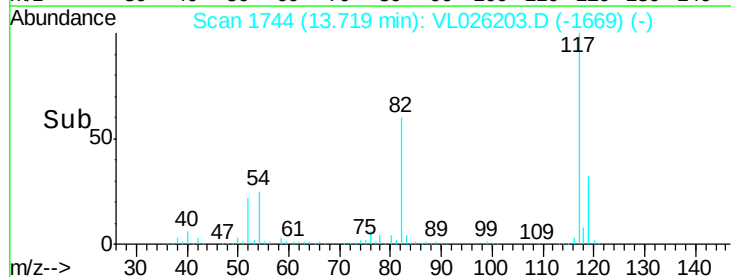
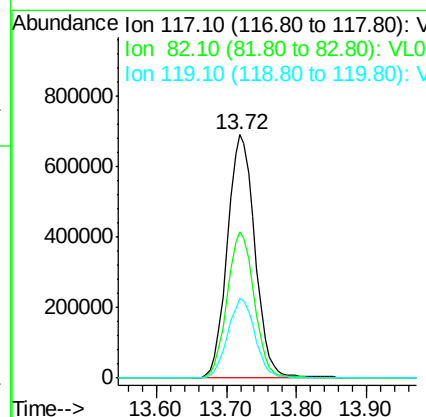
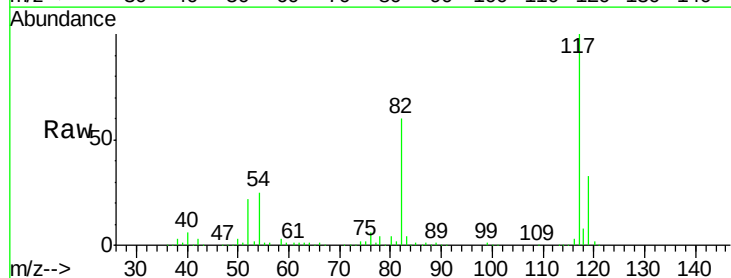
Tgt Ion: 117 Resp: 1901605

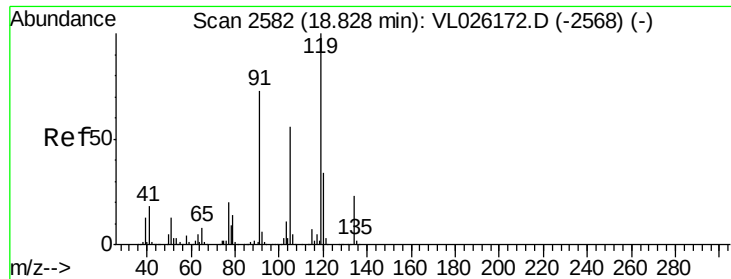
Ion Ratio Lower Upper

117 100

82 59.6 47.7 71.5

119 32.7 43.7 65.5#

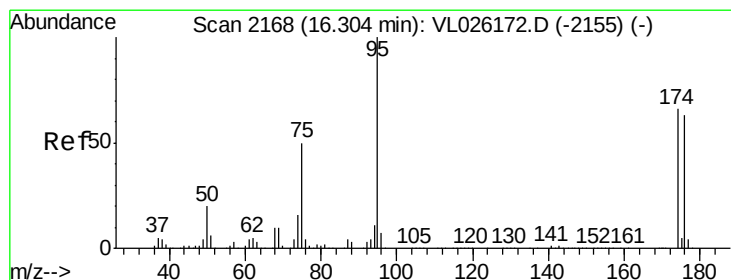
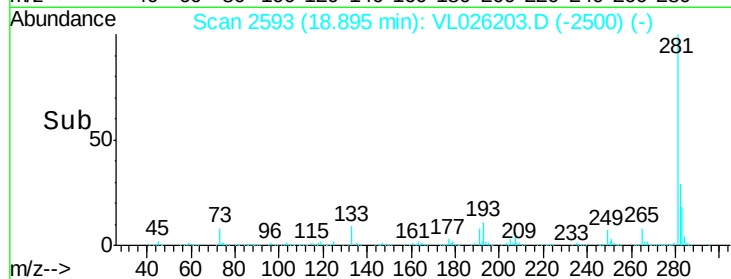
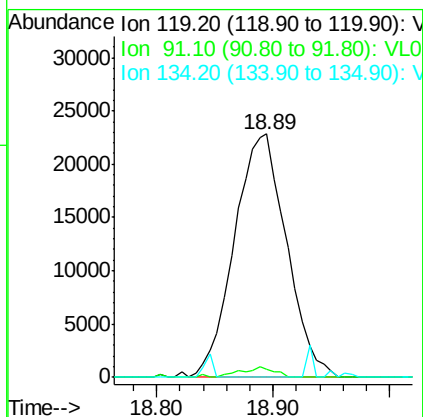
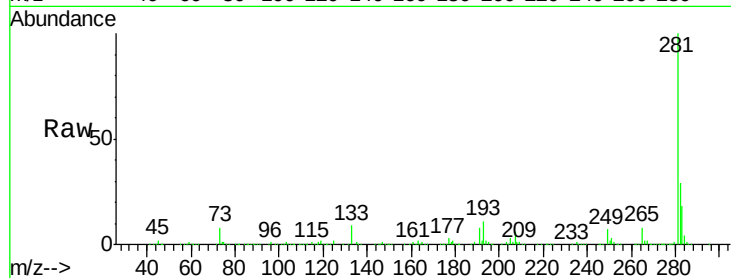




#65
tert-Butylbenzene
Concen: 0.26 ppbv
RT: 18.89 min Scan# 2593
Delta R.T. 0.07 min
Lab File: VL026203.D
Acq: 10 Oct 2015 8:52

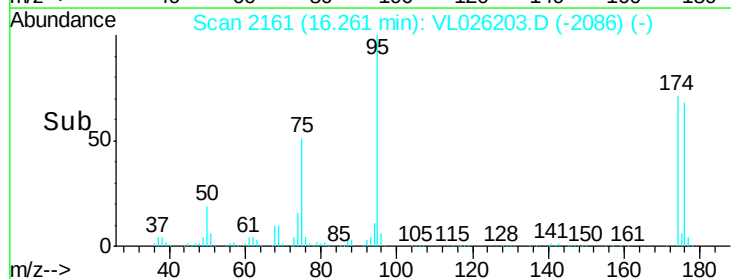
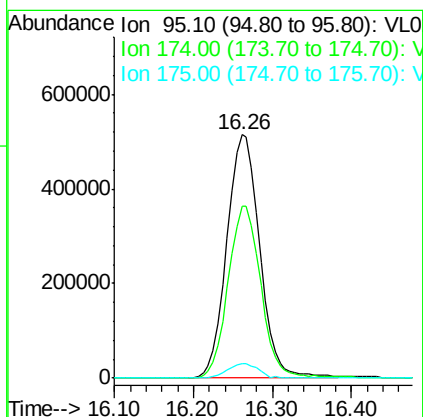
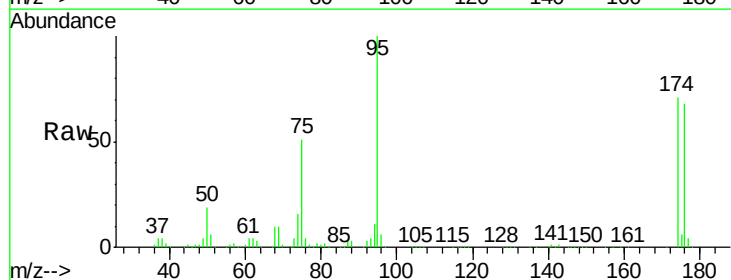
Instrument :
MSVOA_L
ClientSampleId :

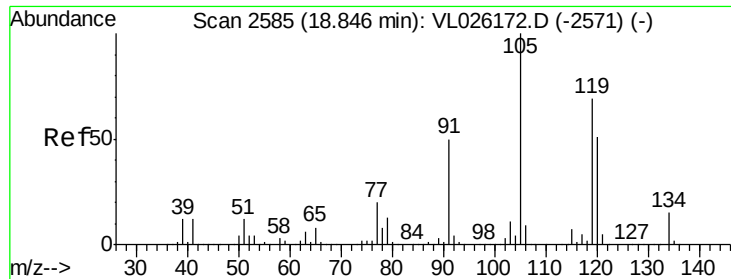
Tot Ion:119 Resp: 71280
Ion Ratio Lower Upper
119 100
91 3.1 58.5 87.7#
134 2.3 18.0 27.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.25 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. -0.04 min
Lab File: VL026203.D
Acq: 10 Oct 2015 8:52

Tgt Ion: 95 Resp: 1496860
Ion Ratio Lower Upper
95 100
174 70.9 52.2 78.4
175 5.6 3.9 5.9

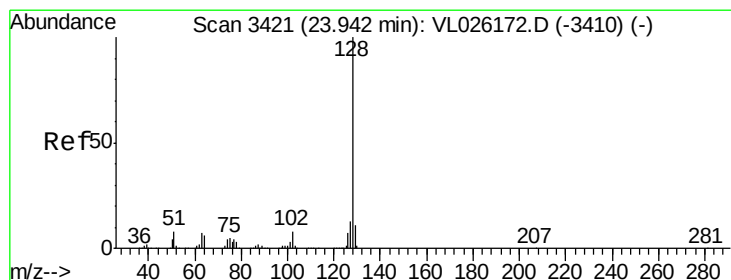
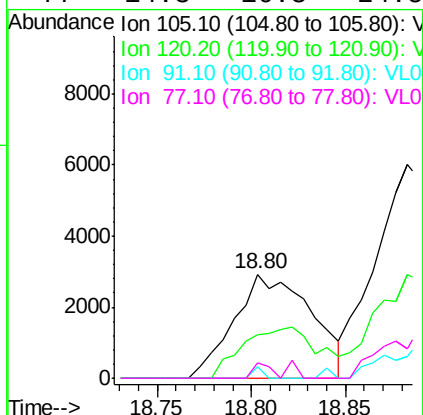
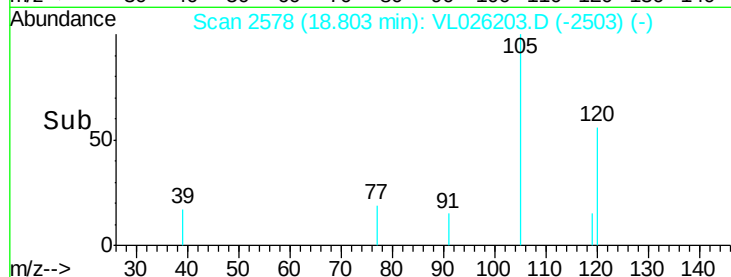
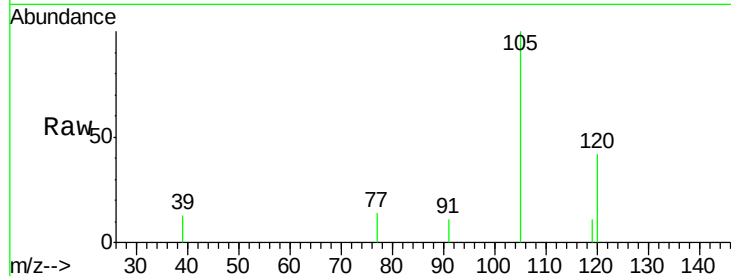




#74
 1,2,4-Trimethylbenzene
 Concen: 0.03 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.04 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

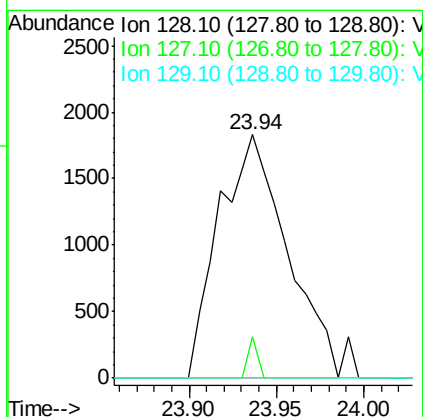
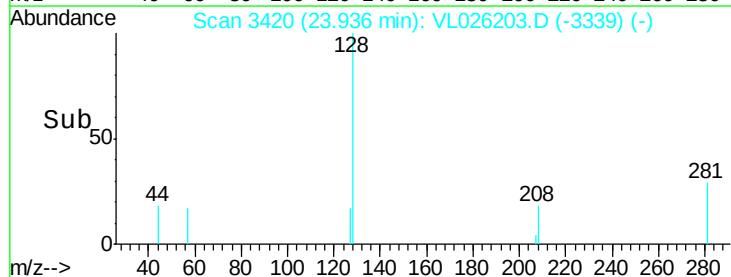
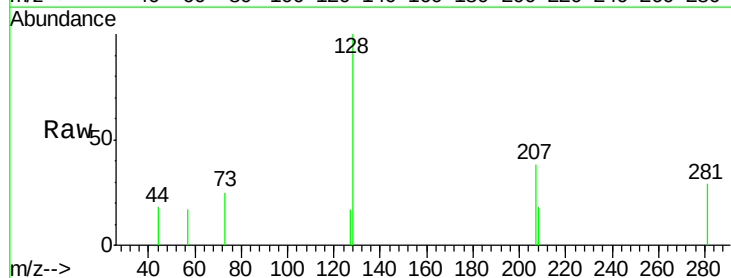
Instrument :
 MSVOA_L
 ClientSampleId :

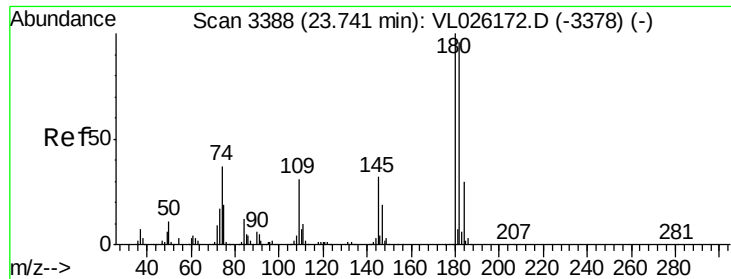
Tot Ion:105 Resp: 8357
 Ion Ratio Lower Upper
 105 100
 120 42.3 41.1 61.7
 91 11.2 39.8 59.6#
 77 14.3 16.3 24.5#



#79
 Naphthalene
 Concen: 0.03 ppbv
 RT: 23.94 min Scan# 3420
 Delta R.T. -0.01 min
 Lab File: VL026203.D
 Acq: 10 Oct 2015 8:52

Tgt Ion:128 Resp: 4983
 Ion Ratio Lower Upper
 128 100
 127 16.8 10.2 15.2#
 129 0.0 8.7 13.1#





#81

1,2,4-Trichlorobenzene

Concen: 0.09 ppbv

RT: 23.20 min Scan# 3299

Delta R.T. -0.54 min

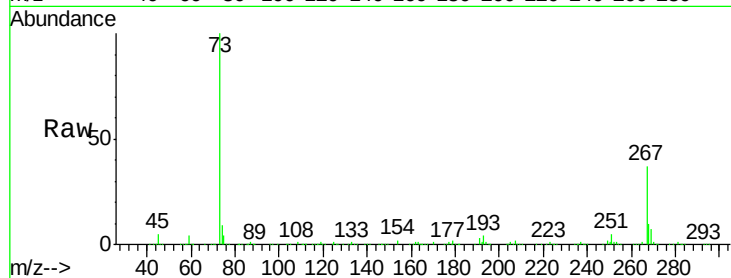
Lab File: VL026203.D

Acq: 10 Oct 2015 8:52

Instrument :

MSVOA_L

ClientSampleId :



Tot Ion:	180	Resp:	6527
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.4	114.6#
184	0.0	24.0	36.0#

