

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026830.D
 Acq On : 9 Feb 2016 21:26
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Feb 10 03:44:44 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1780574	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.36	114	4826164	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4518200	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	3232000	9.96	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

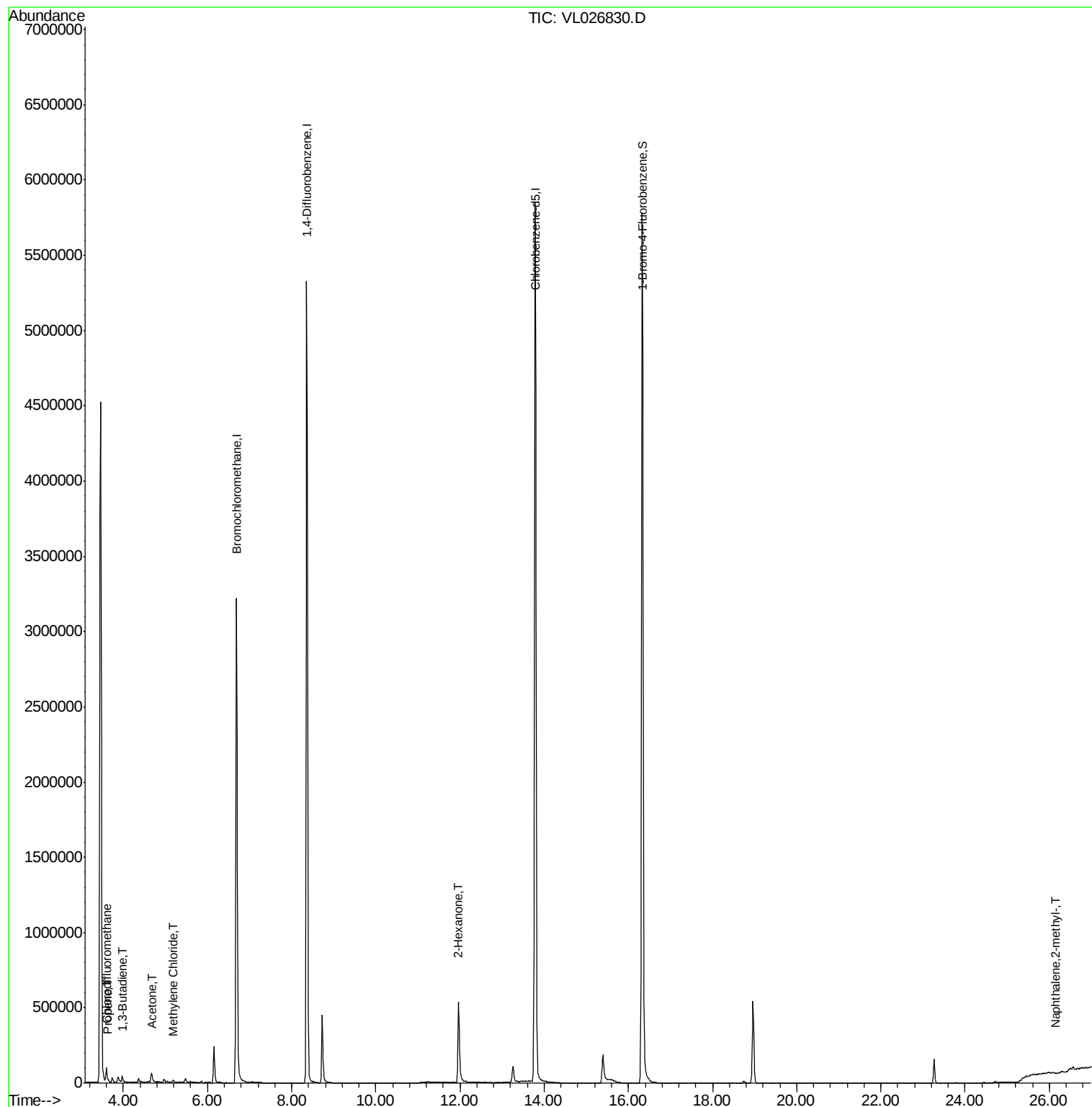
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.60	51	72588	0.25	ppbv	96
9) Propene	3.64	41	3313	0.04	ppbv	98
15) Acetone	4.68	43	41263	0.17	ppbv #	1
16) 1,3-Butadiene	3.98	39	4546	0.05	ppbv #	3
20) Methylene Chloride	5.18	84	8421	0.07	ppbv #	91
51) 2-Hexanone	11.97	43	131569	0.56	ppbv #	27
80) Naphthalene,2-methyl-	26.13	142	4618	0.05	ppbv #	38

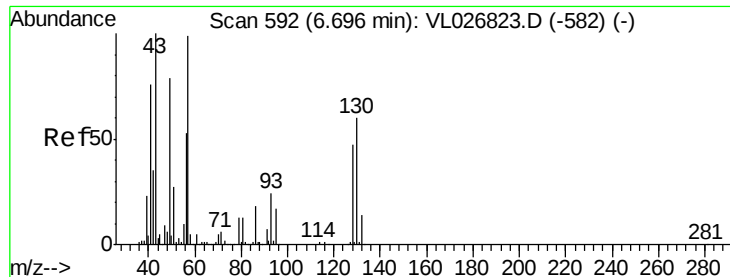
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

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VIBLK

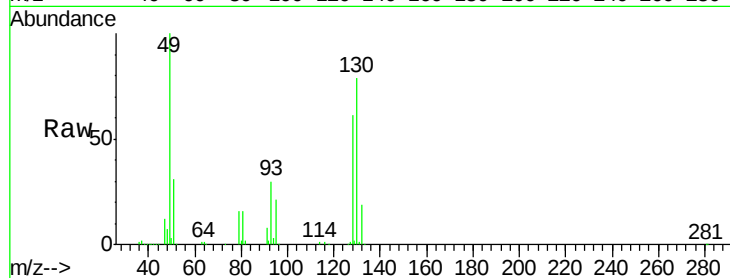
Tgt Ion: 49 Resp: 1780574

Ion Ratio Lower Upper

49 100

128 59.6 29.7 89.1

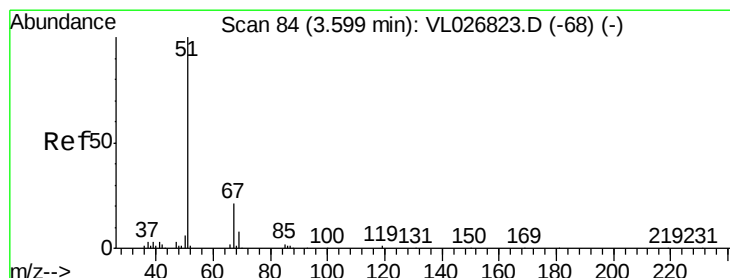
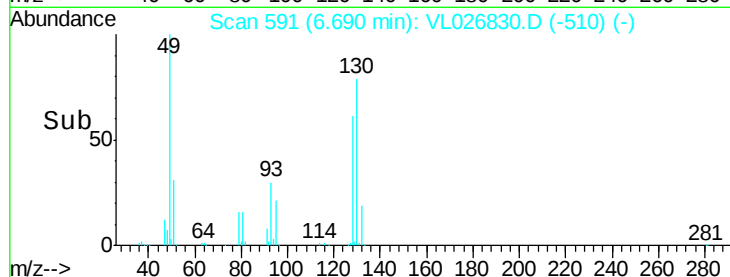
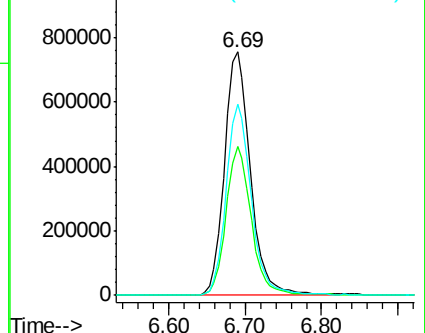
130 77.0 38.3 114.8



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: 0.25 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026830.D

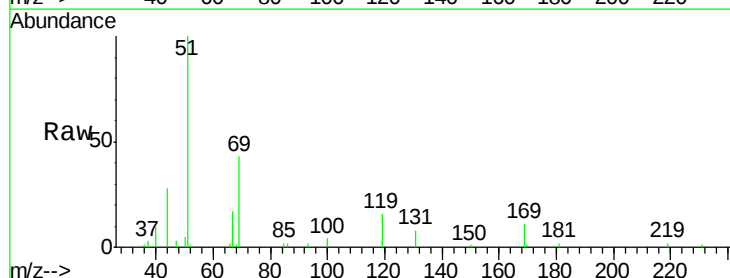
Acq: 9 Feb 2016 21:26

Tgt Ion: 51 Resp: 72588

Ion Ratio Lower Upper

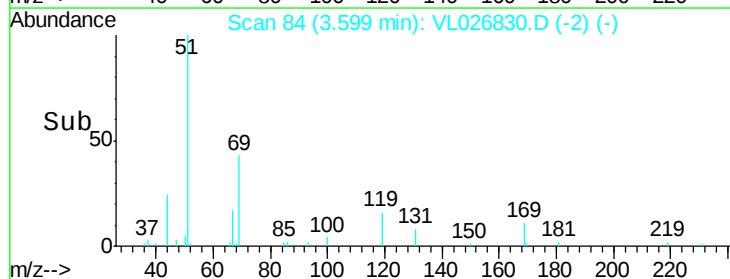
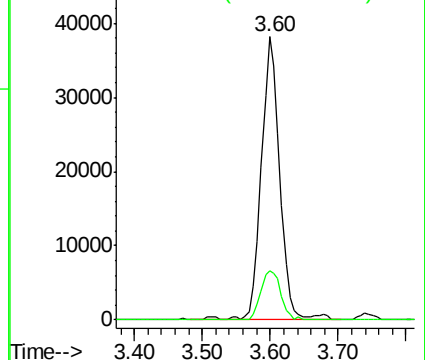
51 100

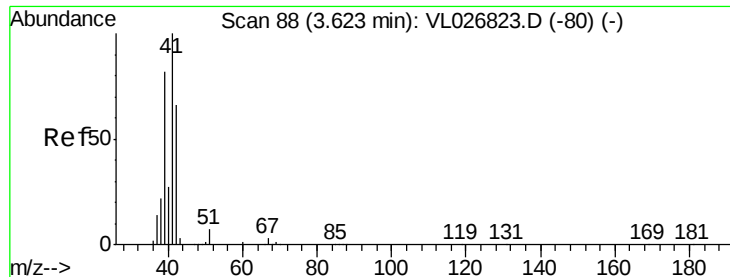
67 18.7 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.04 ppbv

RT: 3.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VL026830.D

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Instrument :

MSVOA_L

ClientSampleId :

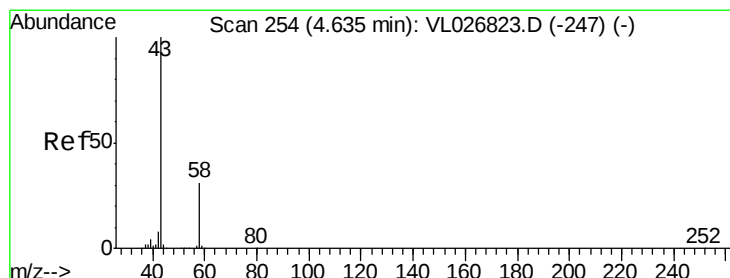
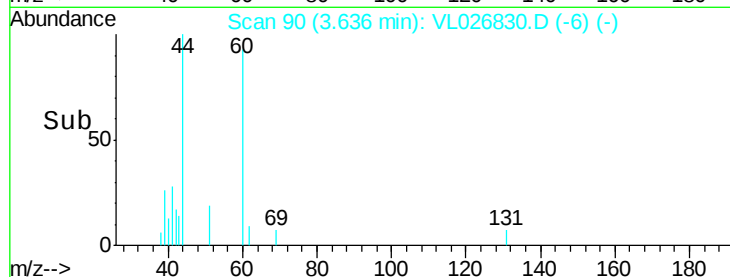
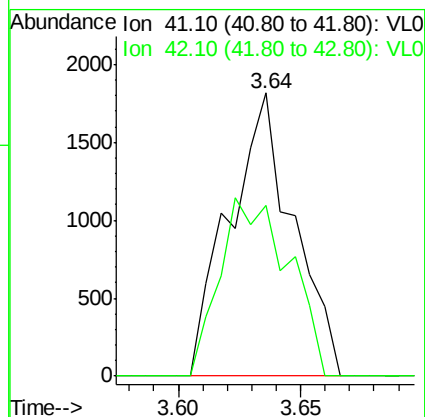
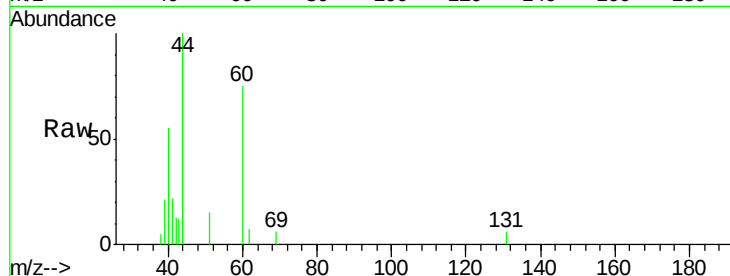
VIBLK

Tgt Ion: 41 Resp: 3313

Ion Ratio Lower Upper

41 100

42 67.8 52.8 79.2



#15

Acetone

Concen: 0.17 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.04 min

Lab File: VL026830.D

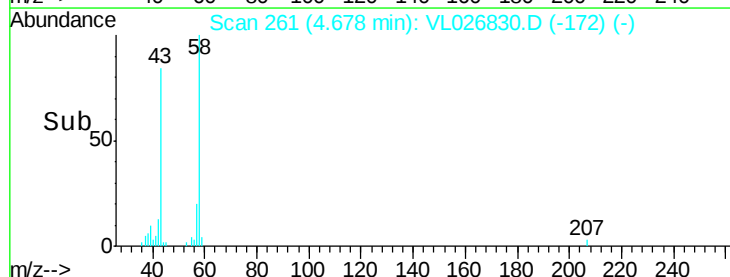
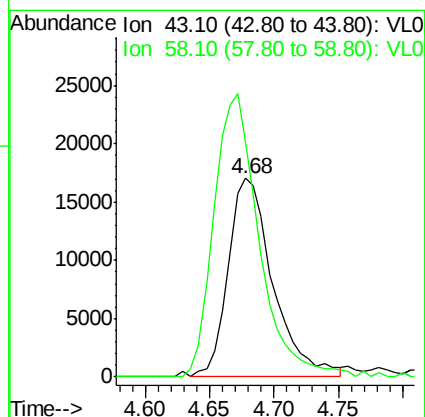
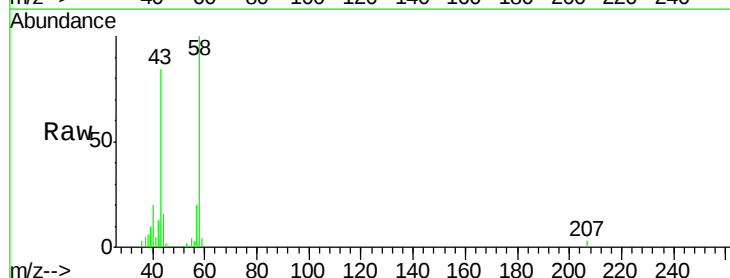
Acq: 9 Feb 2016 21:26

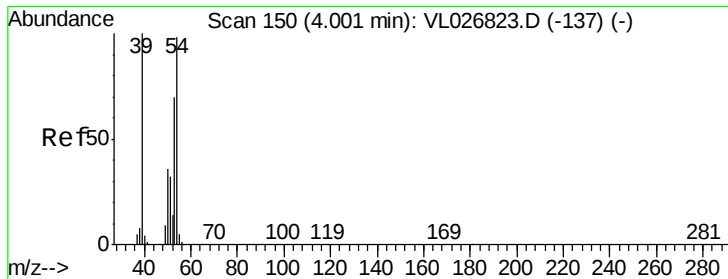
Tgt Ion: 43 Resp: 41263

Ion Ratio Lower Upper

43 100

58 144.7 25.2 37.8#

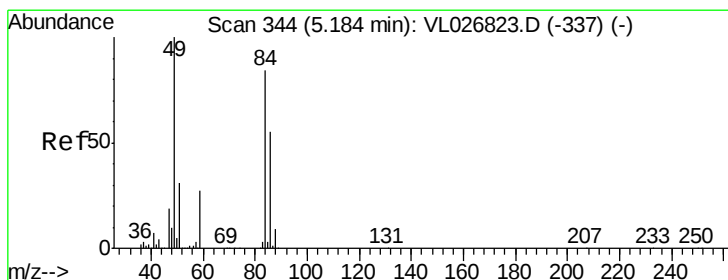
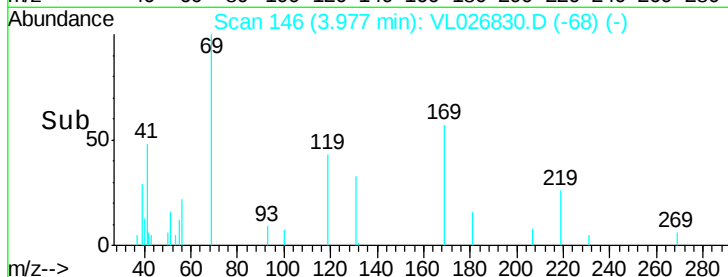
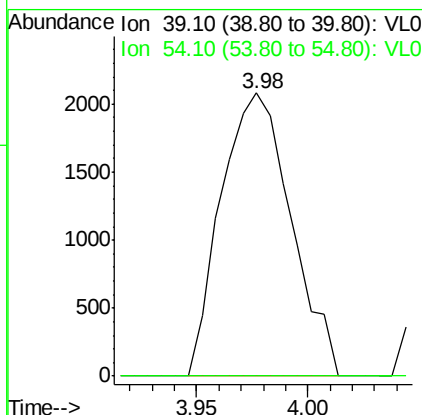
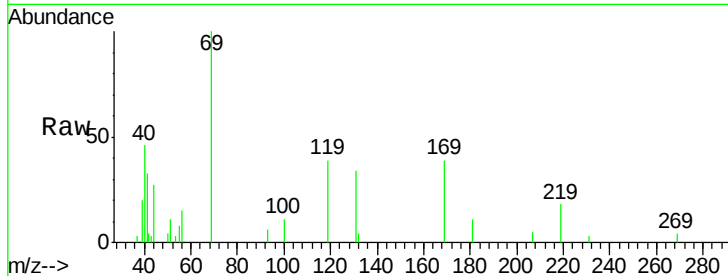




#16
 1,3-Butadiene
 Concen: 0.05 ppbv
 RT: 3.98 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VL026830.D
 Acq: 9 Feb 2016 21:26

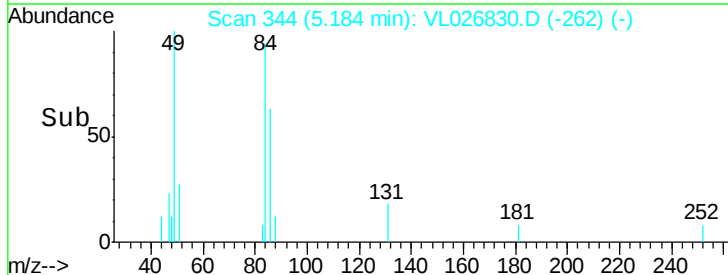
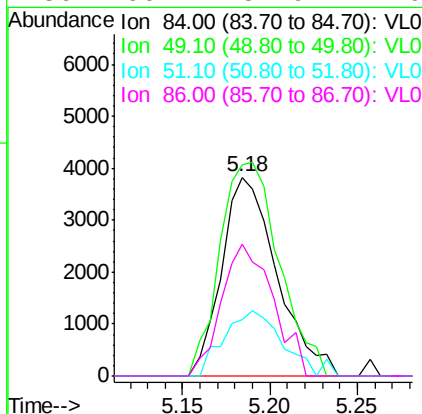
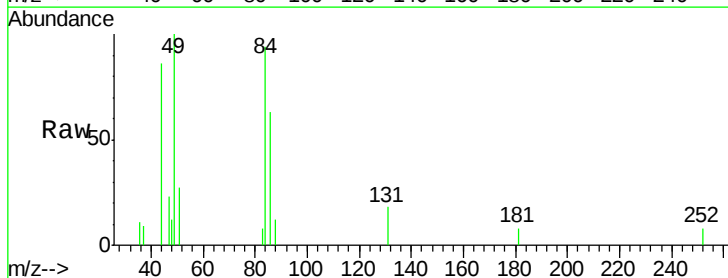
Instrument :
 MSVOA_L
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 VIBLK

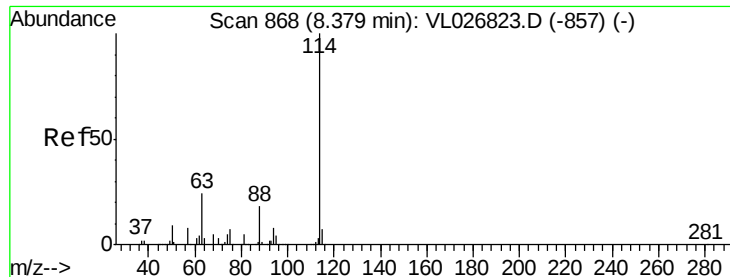
Tgt Ion: 39 Resp: 4546
 Ion Ratio Lower Upper
 39 100
 54 0.0 74.7 112.1#



#20
 Methylene Chloride
 Concen: 0.07 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VL026830.D
 Acq: 9 Feb 2016 21:26

Tgt Ion: 84 Resp: 8421
 Ion Ratio Lower Upper
 84 100
 49 106.1 94.9 142.3
 51 28.5 29.5 44.3#
 86 66.4 51.9 77.9

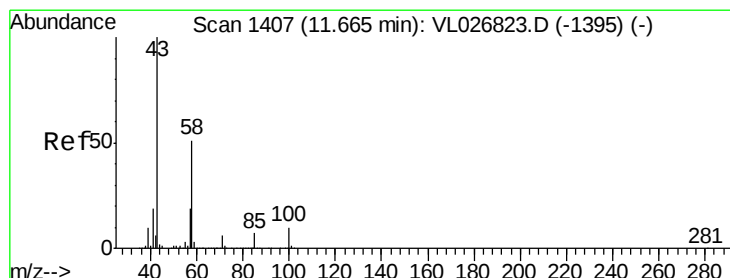
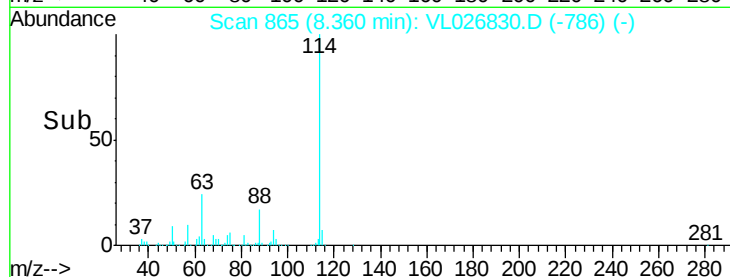
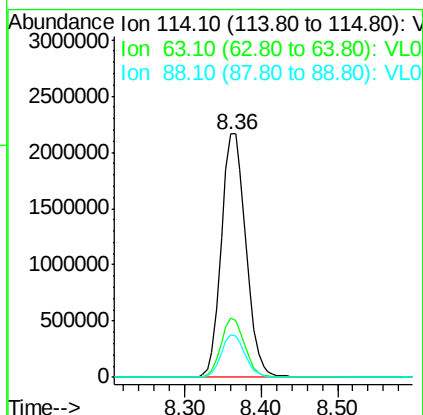
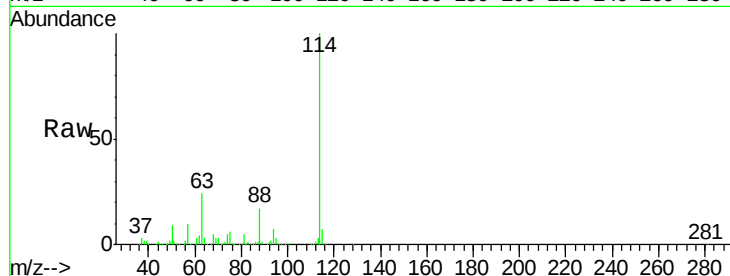




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.36 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: VL026830.D
 Acq: 9 Feb 2016 21:26

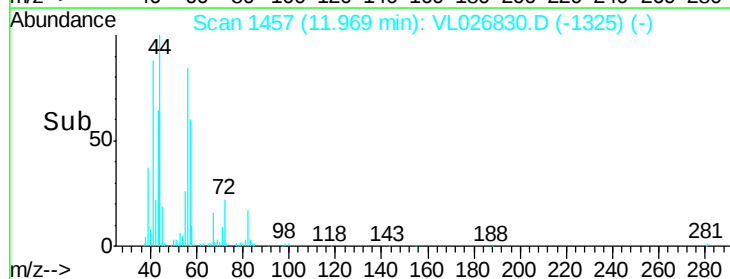
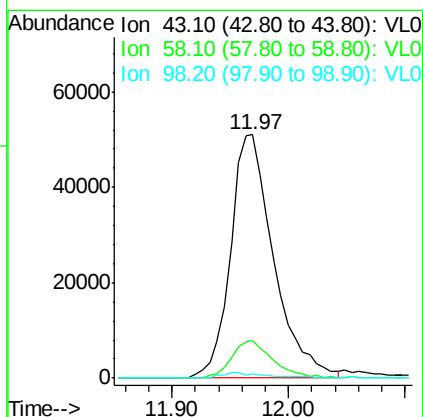
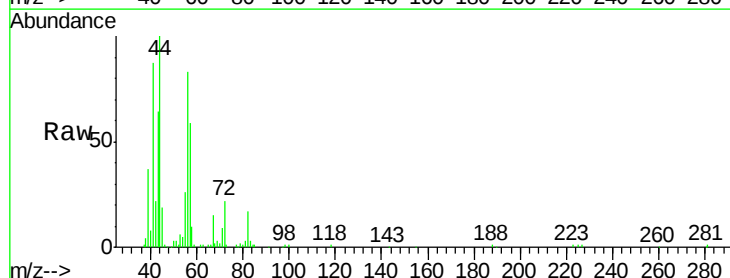
Instrument :
 MSVOA_L
 ClientSampleID :
 VIBLK

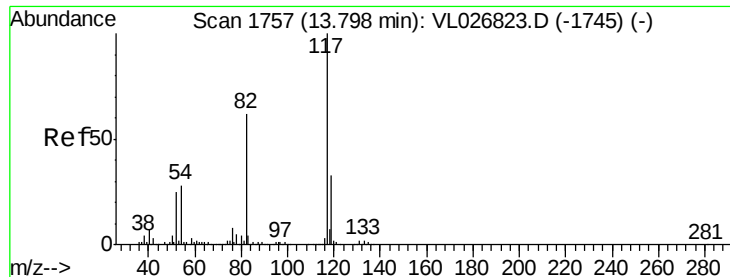
Tgt Ion: 114 Resp: 4826164
 Ion Ratio Lower Upper
 114 100
 63 23.4 19.7 29.5
 88 16.9 13.8 20.6



#51
 2-Hexanone
 Concen: 0.56 ppbv
 RT: 11.97 min Scan# 1457
 Delta R.T. 0.30 min
 Lab File: VL026830.D
 Acq: 9 Feb 2016 21:26

Tgt Ion: 43 Resp: 131569
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.4 60.6#
 98 0.0 0.2 0.4#

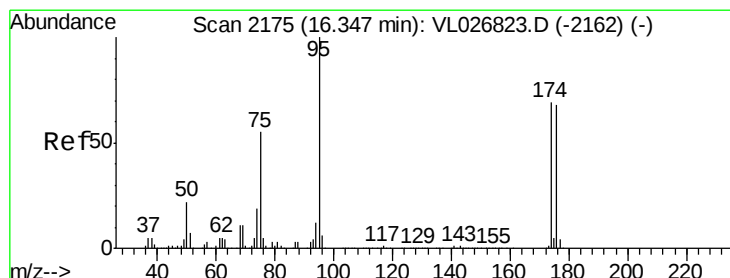
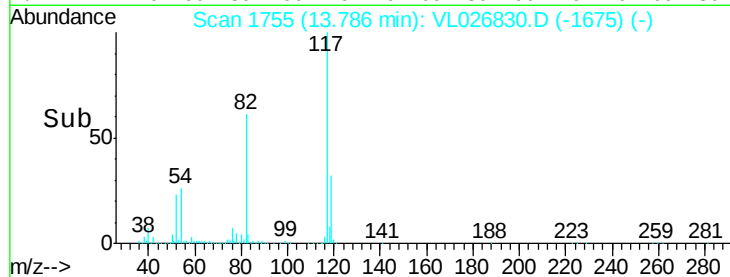
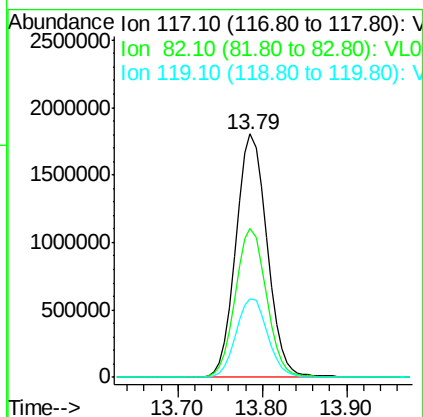
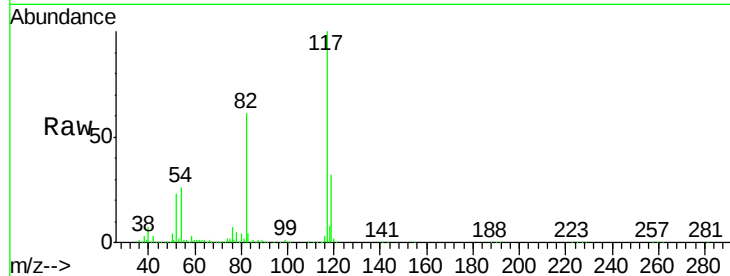




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026830.D
Acq: 9 Feb 2016 21:26

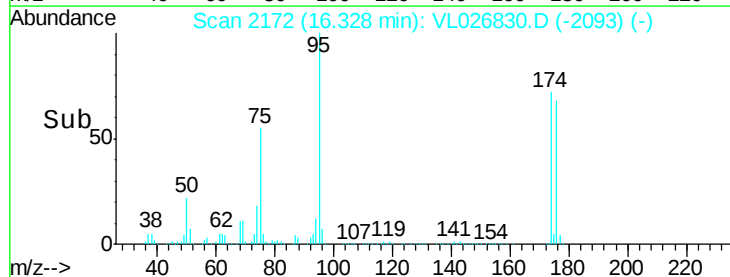
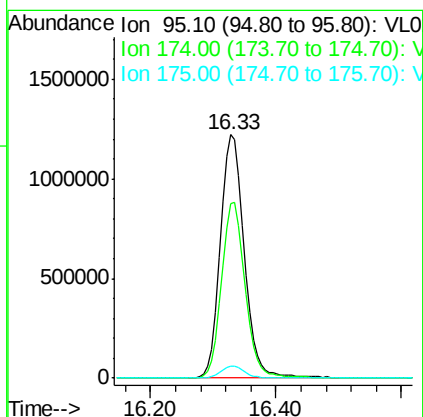
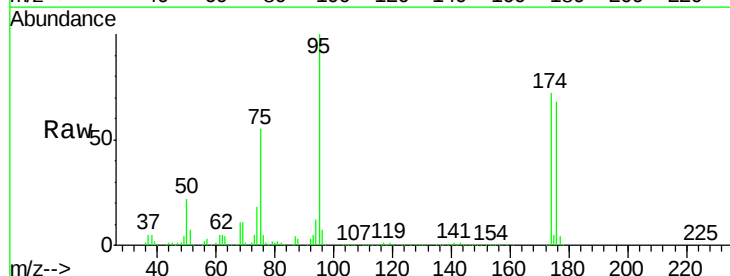
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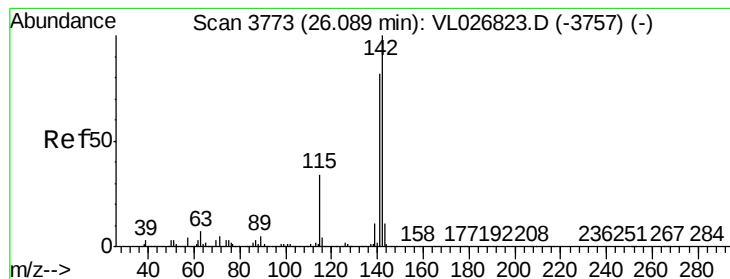
Tgt Ion: 117 Resp: 4518200
Ion Ratio Lower Upper
117 100
82 0.0 51.9 77.9#
119 0.0 48.5 72.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.96 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.02 min
Lab File: VL026830.D
Acq: 9 Feb 2016 21:26

Tgt Ion: 95 Resp: 3232000
Ion Ratio Lower Upper
95 100
174 71.9 55.6 83.4
175 5.1 3.9 5.9





#80
 Naphthalene, 2-methyl-
 Concen: 0.05 ppbv
 RT: 26.13 min Scan# 3780
 Delta R.T. 0.04 min
 Lab File: VL026830.D
 Acq: 9 Feb 2016 21:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion:142 Resp: 4618
 Ion Ratio Lower Upper
 142 100
 141 106.0 67.2 100.8#
 115 122.2 27.5 41.3#

