

Data File : VL034271.D
Acq On : 9 Oct 2019 8:41
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Oct 10 01:21:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	927808	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.20	114	1780765	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.14	117	1742187	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1497885	9.89	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	2643	0.203	ppbv #	36
15) Acetone	3.85	43	56752	0.456	ppbv	90
19) Isopropyl Alcohol	3.98	45	32469	0.425	ppbv #	92
20) Methylene Chloride	4.34	84	9538	0.266	ppbv #	83
39) 1,2-Dichloropropane	7.20	63	532506	6.026	ppbv #	19
76) 1,4-Dichlorobenzene	17.20	146	5040	0.034	ppbv #	28

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

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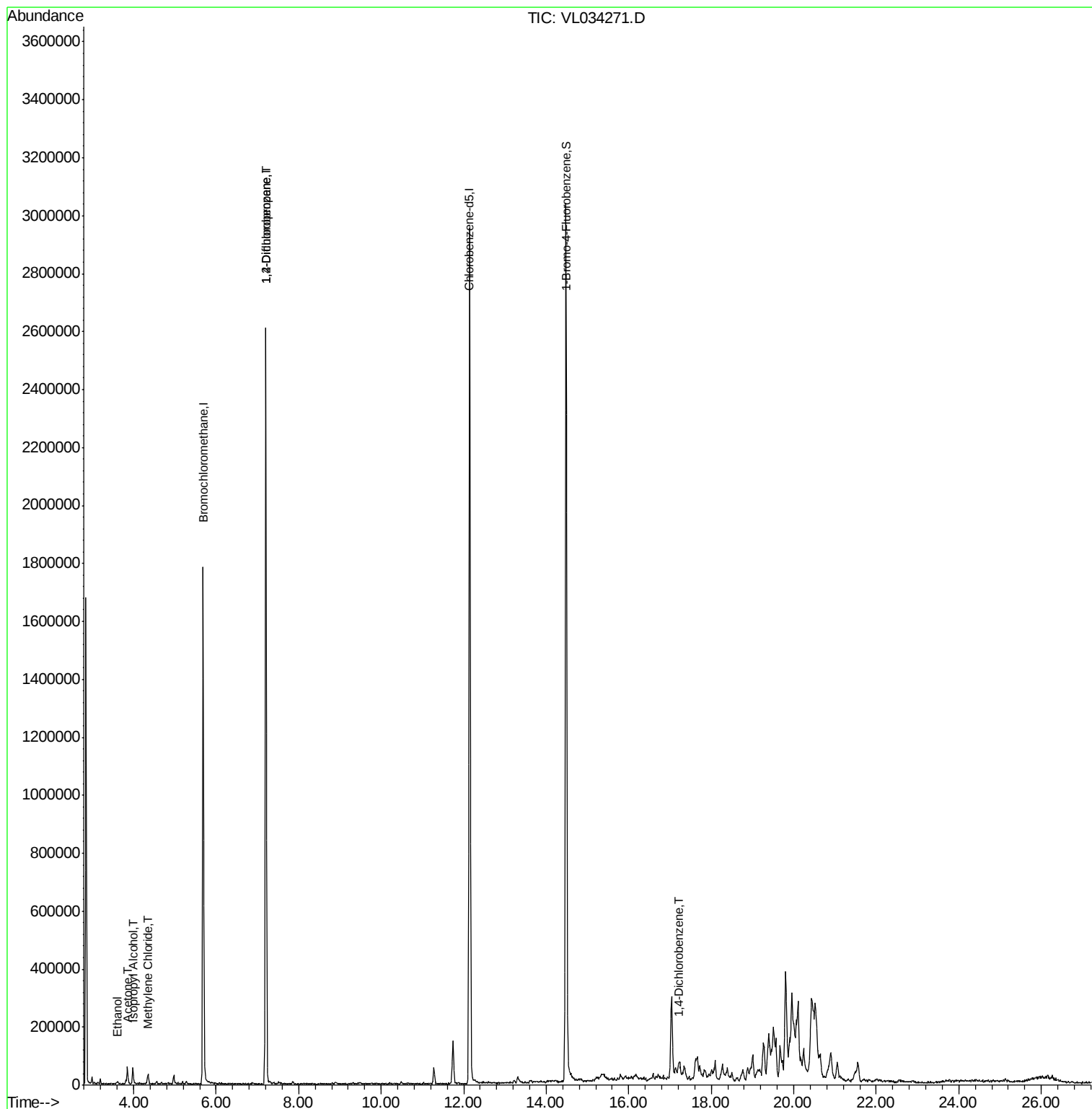
Quant Time: Oct 10 01:21:44 2019

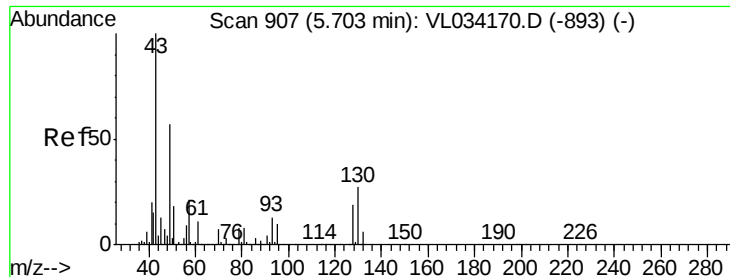
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.02 min

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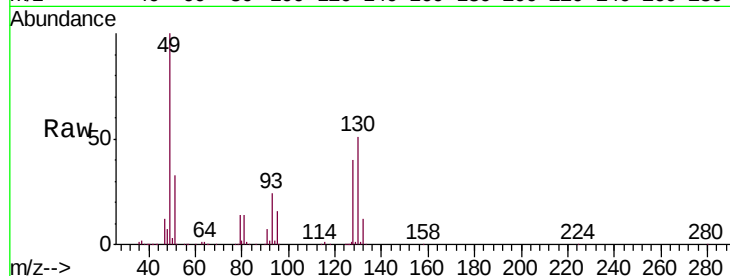
Tgt Ion: 49 Resp: 927808

Ion Ratio Lower Upper

49 100

128 38.1 17.6 52.9

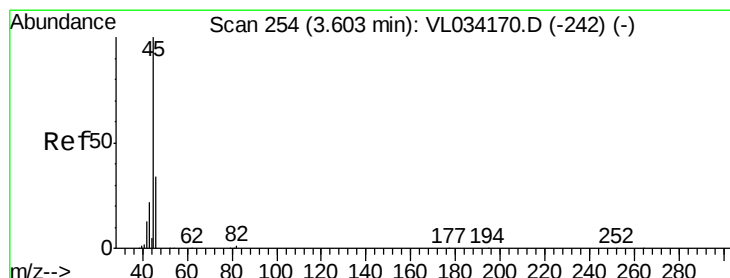
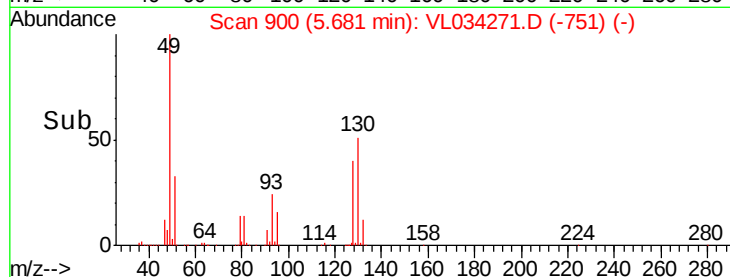
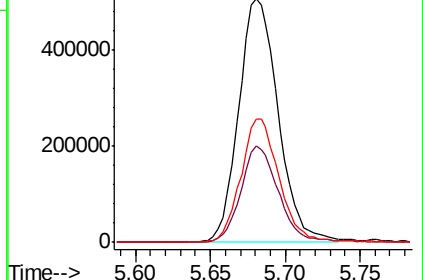
130 49.8 22.3 66.9



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: 0.203 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034271.D

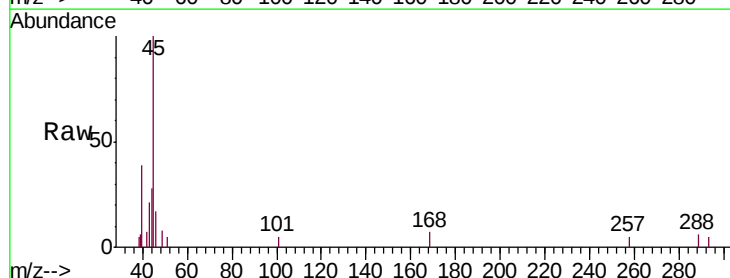
Acq: 9 Oct 2019 8:41

Tgt Ion: 45 Resp: 2643

Ion Ratio Lower Upper

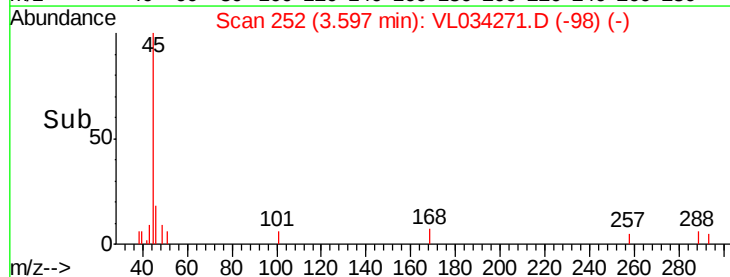
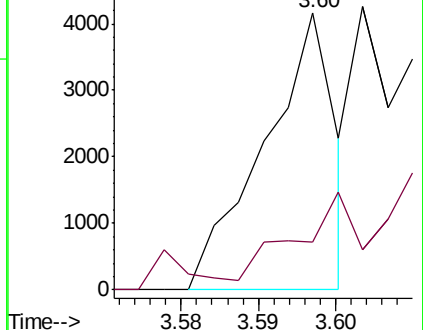
45 100

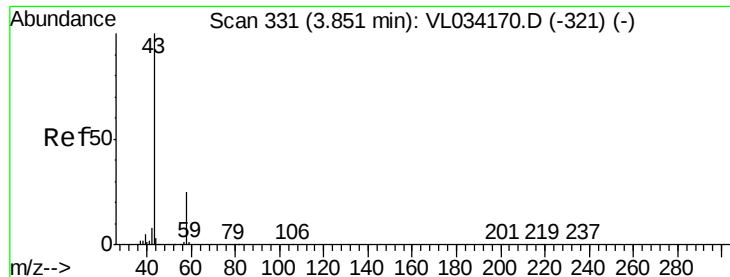
46 0.0 15.5 61.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.456 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

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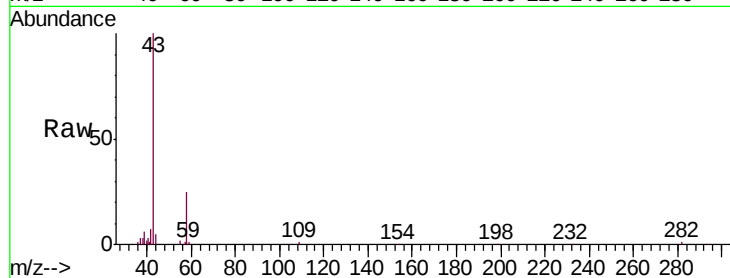
VIBLK

Tgt Ion: 43 Resp: 56752

Ion Ratio Lower Upper

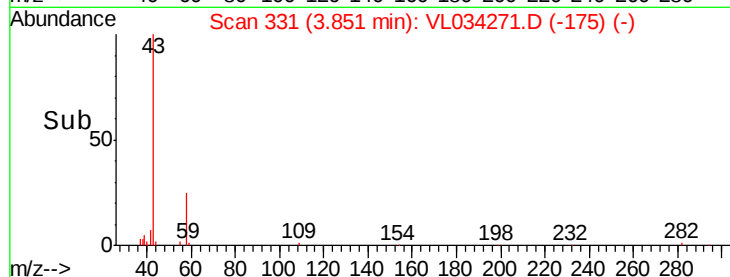
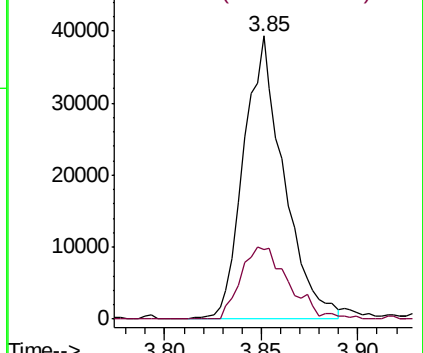
43 100

58 30.6 20.5 30.7

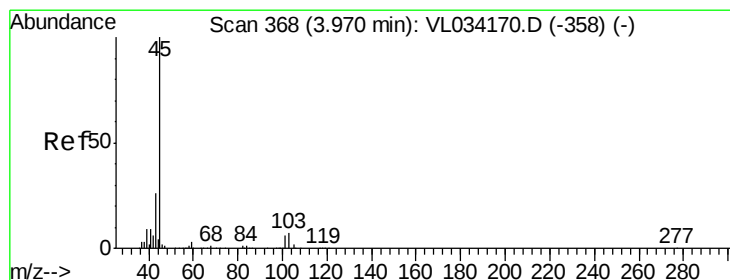


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#19

Isopropyl Alcohol

Concen: 0.425 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL034271.D

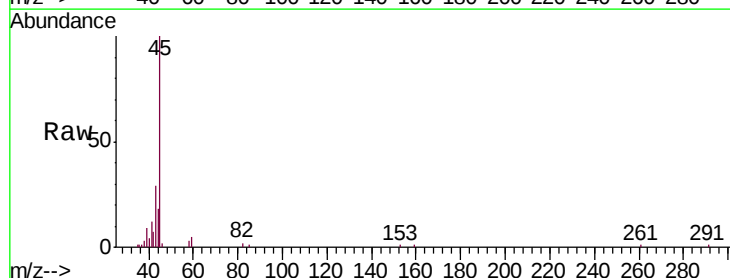
Acq: 9 Oct 2019 8:41

Tgt Ion: 45 Resp: 32469

Ion Ratio Lower Upper

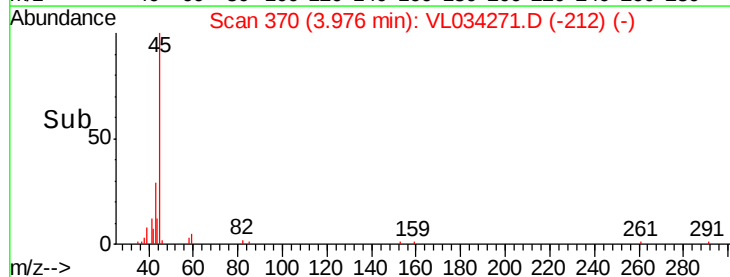
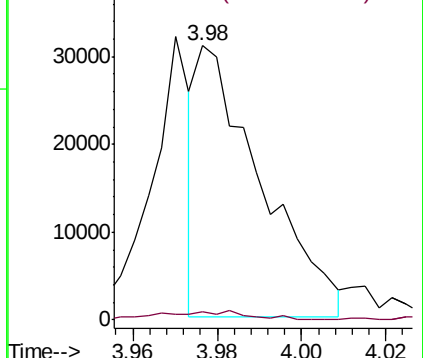
45 100

58 4.7 1.4 2.0#

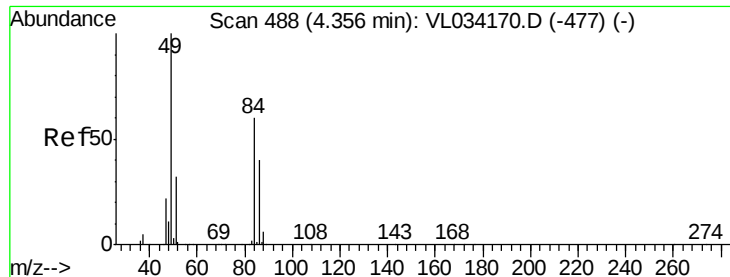


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



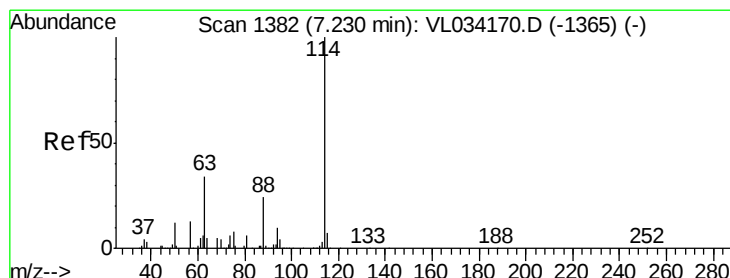
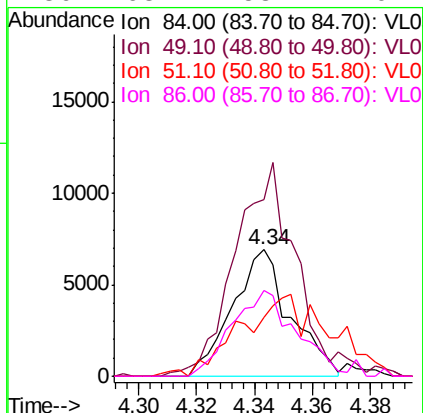
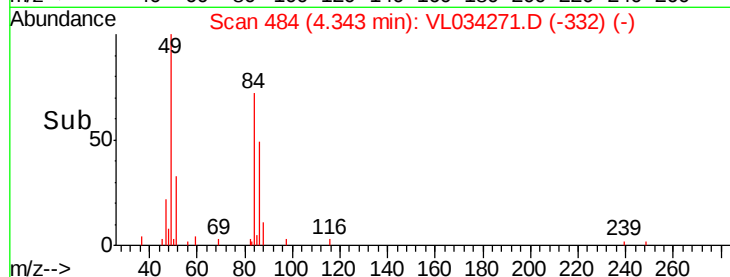
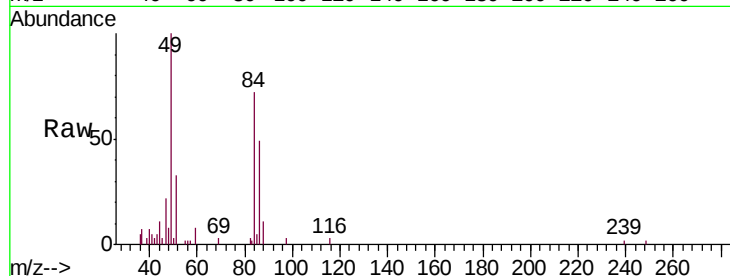
Time-->



#20
Methylene Chloride
Concen: 0.266 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL034271.D
Acq: 9 Oct 2019 8:41

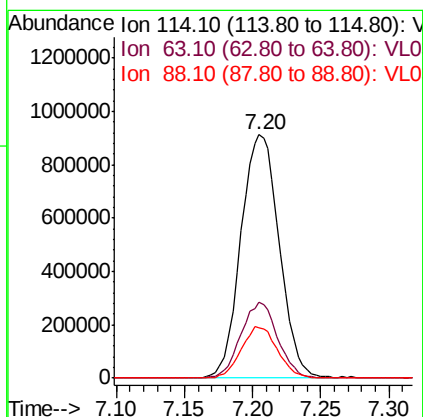
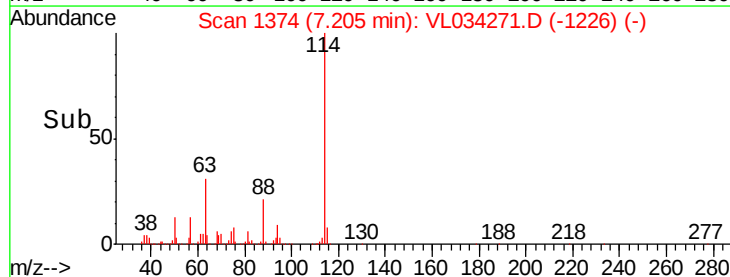
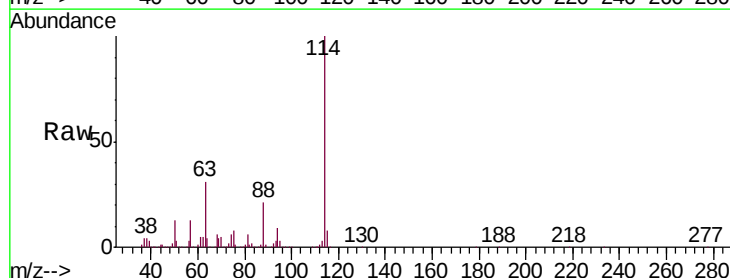
Instrument :
MSVOA_L
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VIBLK

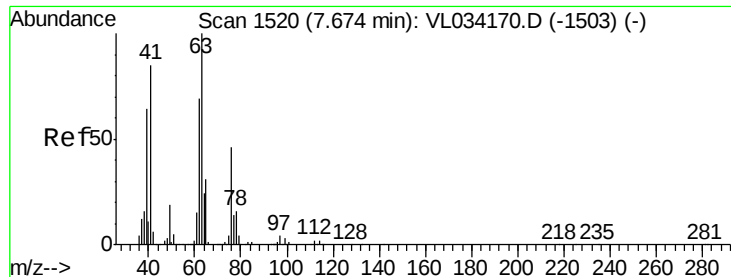
Tgt Ion: 84 Resp: 9538
Ion Ratio Lower Upper
84 100
49 132.9 133.8 200.8#
51 46.3 43.6 65.4
86 68.2 53.1 79.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.03 min
Lab File: VL034271.D
Acq: 9 Oct 2019 8:41

Tgt Ion: 114 Resp: 1780765
Ion Ratio Lower Upper
114 100
63 30.0 27.8 41.6
88 20.1 17.1 25.7

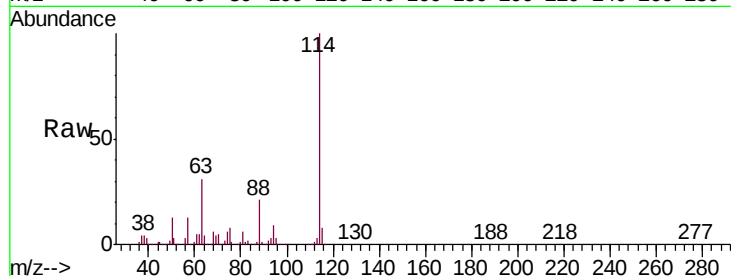




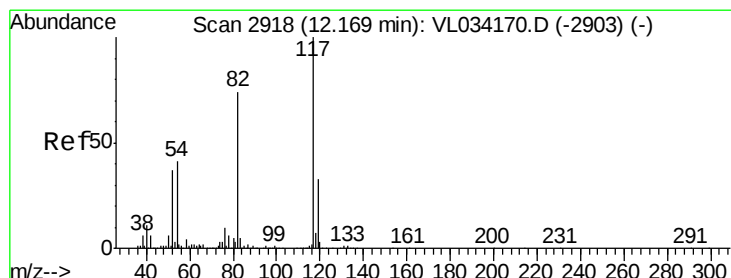
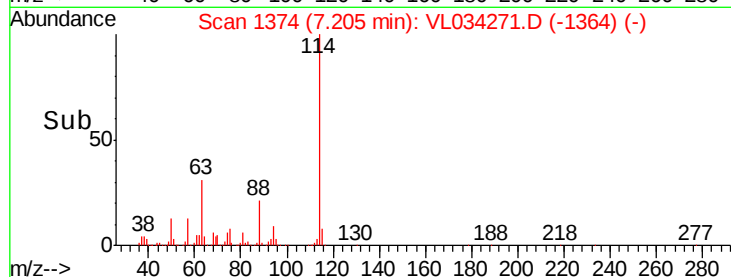
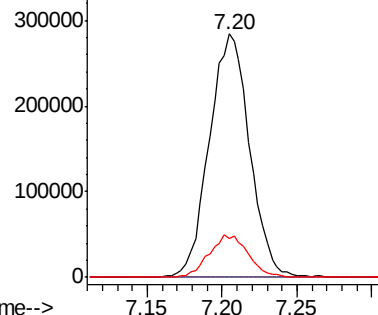
#39
 1,2-Dichloropropane
 Concen: 6.026 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.47 min
 Lab File: VL034271.D
 Acq: 9 Oct 2019 8:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 63 Resp: 532506
 Ion Ratio Lower Upper
 63 100
 41 0.3 68.4 102.6#
 62 16.1 55.4 83.2#

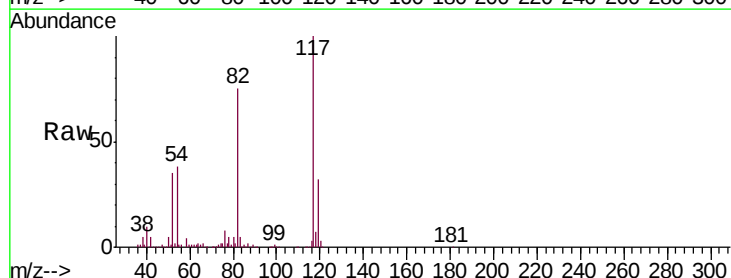


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

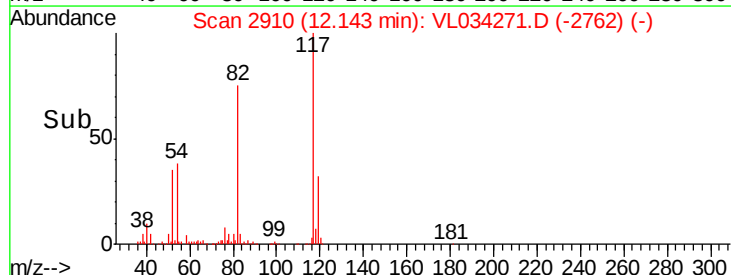
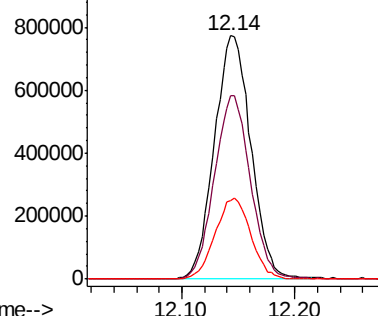


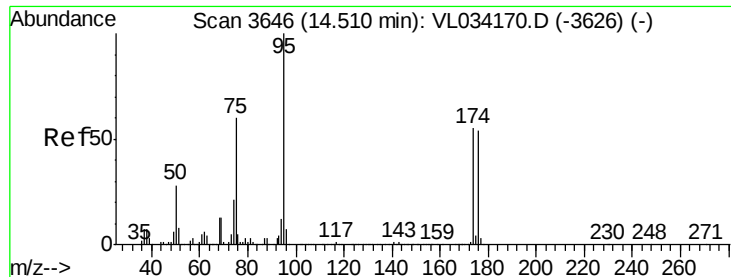
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2910
 Delta R.T. -0.03 min
 Lab File: VL034271.D
 Acq: 9 Oct 2019 8:41

Tgt Ion: 117 Resp: 1742187
 Ion Ratio Lower Upper
 117 100
 82 74.5 58.2 87.4
 119 32.7 23.7 35.5



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

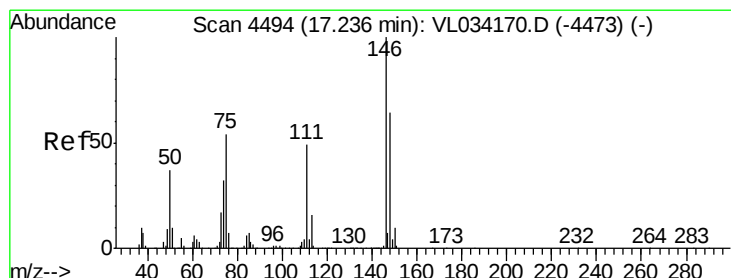
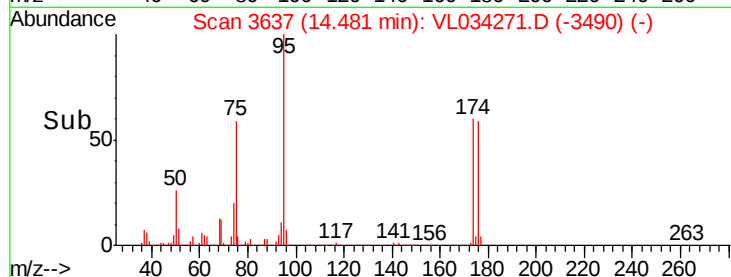
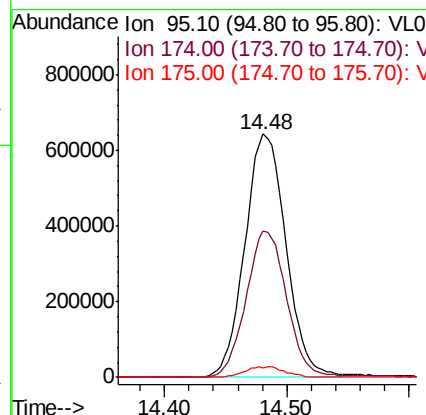
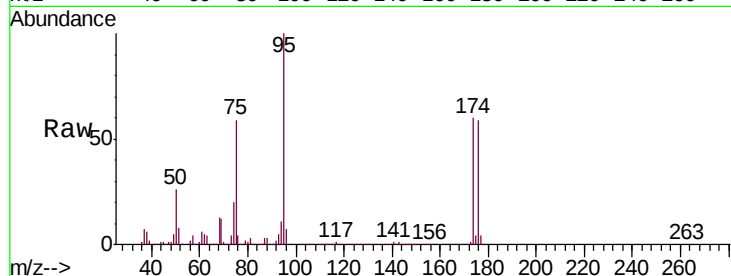




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.895 ppbv
 RT: 14.48 min Scan# 3637
 Delta R.T. -0.03 min
 Lab File: VL034271.D
 Acq: 9 Oct 2019 8:41

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tgt Ion: 95 Resp: 1497885
 Ion Ratio Lower Upper
 95 100
 174 60.1 45.1 67.7
 175 4.3 3.3 4.9



#76
 1,4-Dichlorobenzene
 Concen: 0.034 ppbv
 RT: 17.20 min Scan# 4484
 Delta R.T. -0.03 min
 Lab File: VL034271.D
 Acq: 9 Oct 2019 8:41

Tgt Ion: 146 Resp: 5040
 Ion Ratio Lower Upper
 146 100
 111 89.8 24.6 74.0#
 148 0.0 32.4 97.0#

