

Data File : VL034849.D
Acq On : 9 Mar 2020 21:47
Operator : SY/AP
Sample : VL0309ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:07:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	910016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2054039	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2033080	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1596253	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

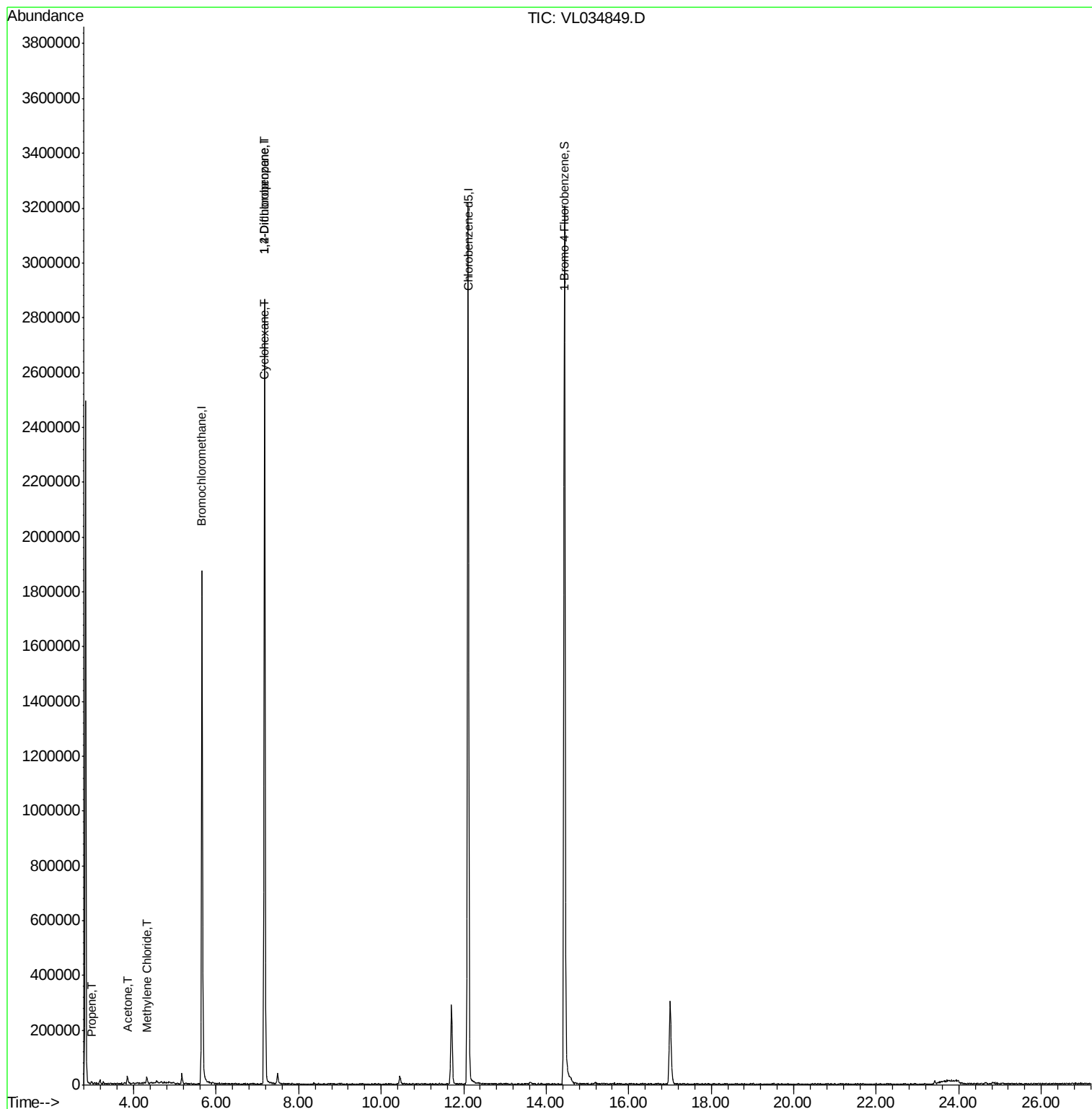
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.97	41	1028	0.021	ppbv #	15
15) Acetone	3.84	43	21840	0.185	ppbv #	71
20) Methylene Chloride	4.32	84	5588	0.150	ppbv #	85
30) Cyclohexane	7.16	84	1395	0.018	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	539348	7.435	ppbv #	23

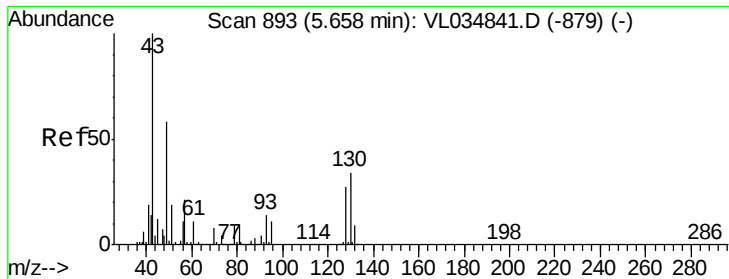
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

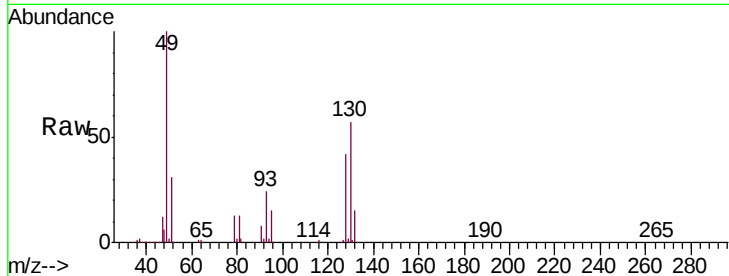
Tgt Ion: 49 Resp: 910016

Ion Ratio Lower Upper

49 100

128 46.6 23.4 70.3

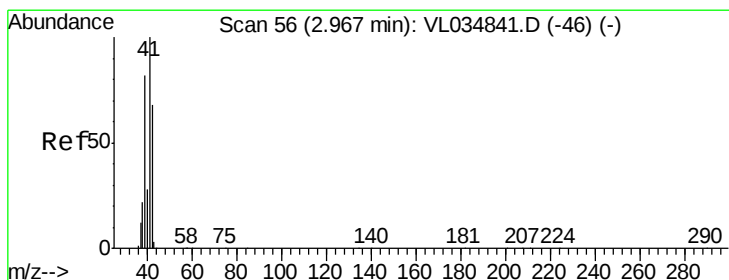
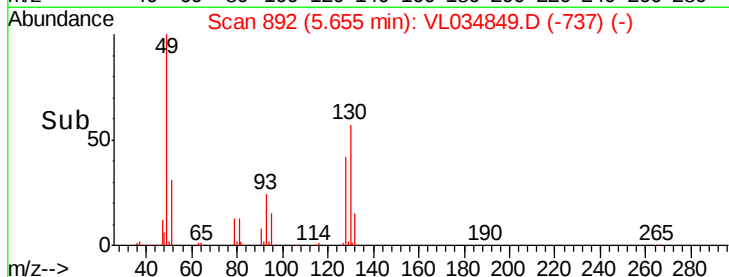
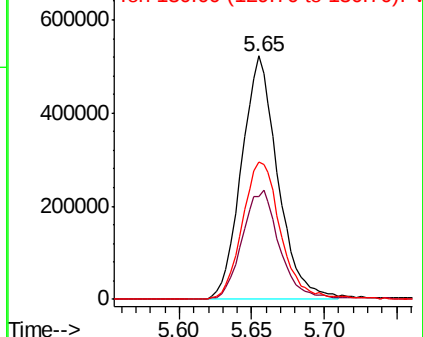
130 60.2 30.0 90.0



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



#9

Propene

Concen: 0.021 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034849.D

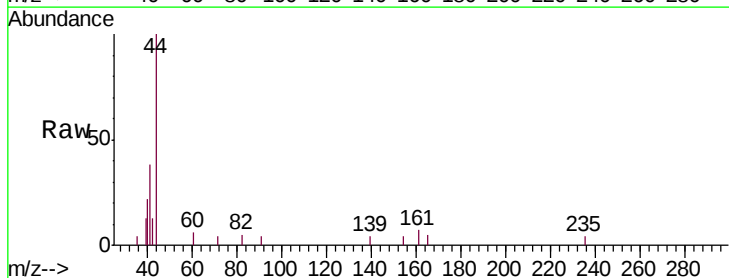
Acq: 9 Mar 2020 21:47

Tgt Ion: 41 Resp: 1028

Ion Ratio Lower Upper

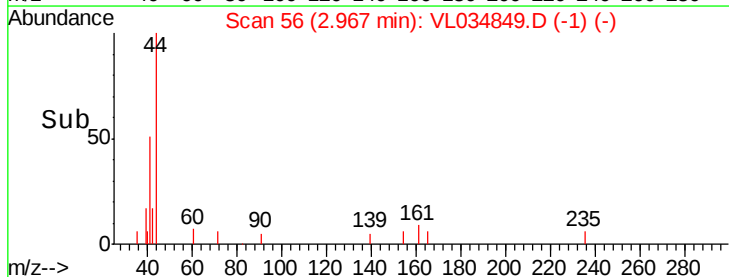
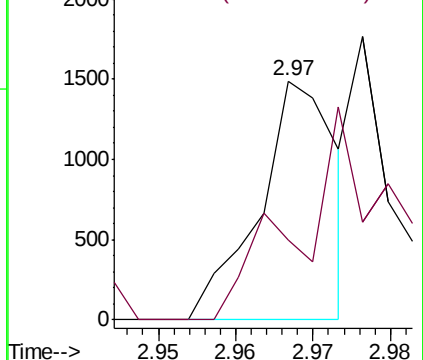
41 100

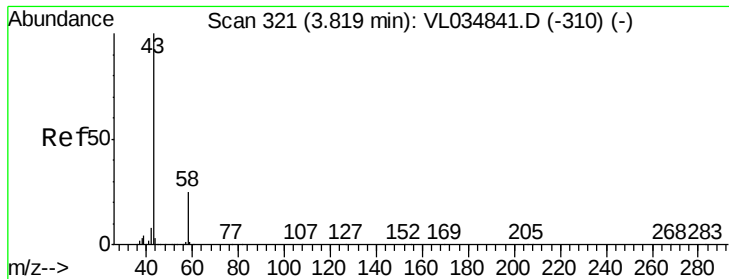
42 0.0 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.185 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

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Instrument :

MSVOA_L

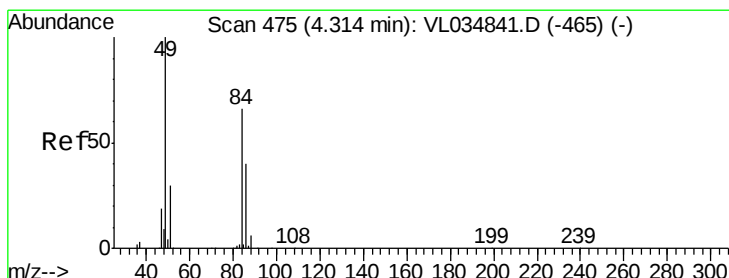
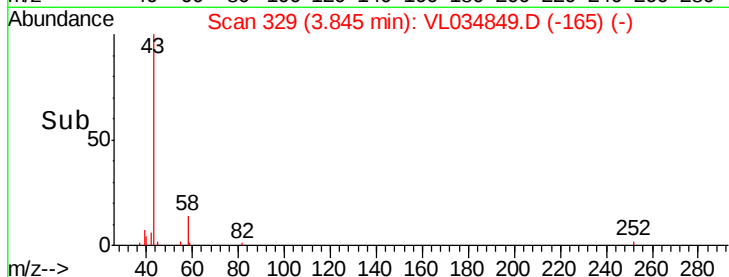
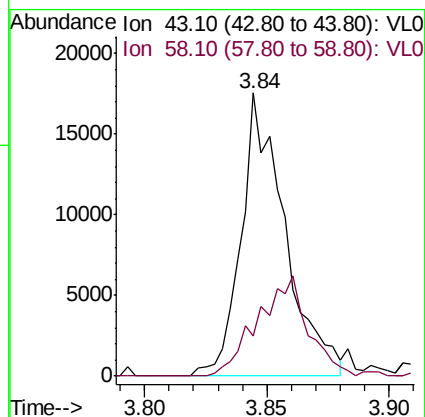
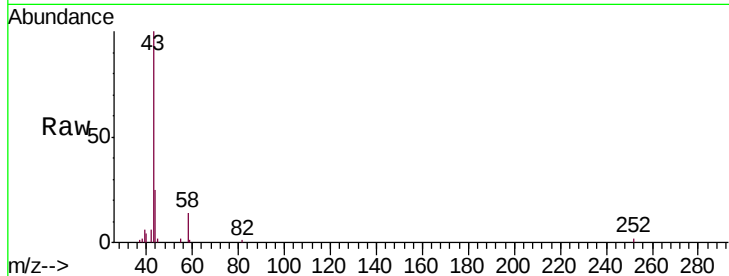
ClientSampleId :

Tgt Ion: 43 Resp: 21840

Ion Ratio Lower Upper

43 100

58 41.4 21.0 31.6#



#20

Methylene Chloride

Concen: 0.150 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034849.D

Acq: 9 Mar 2020 21:47

Tgt Ion: 84 Resp: 5588

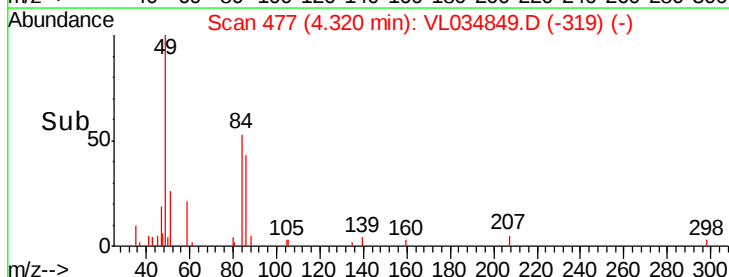
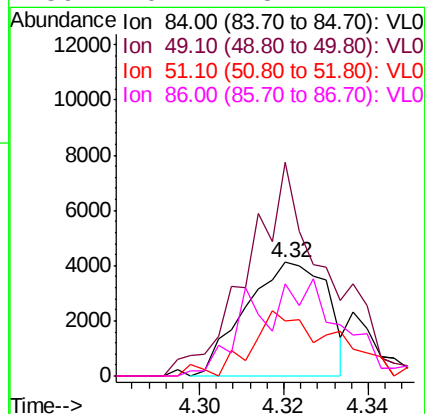
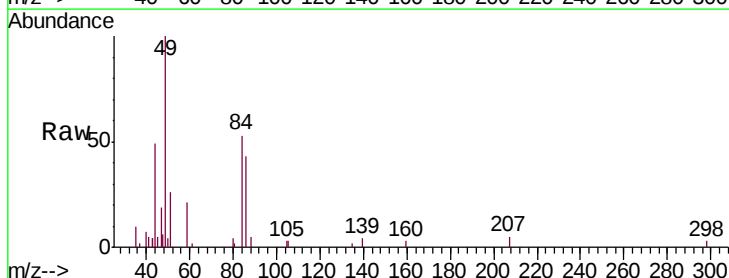
Ion Ratio Lower Upper

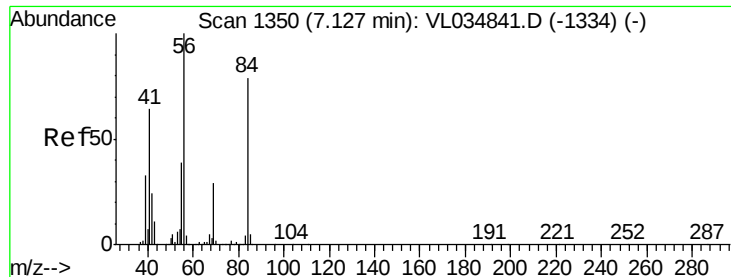
84 100

49 169.8 121.5 182.3

51 38.8 36.6 55.0

86 76.2 48.2 72.2#

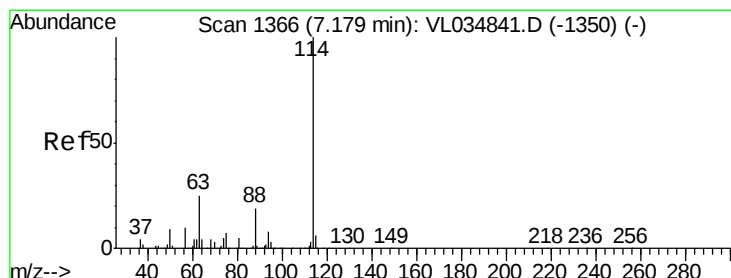
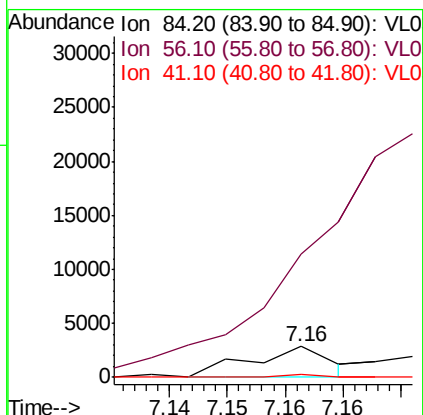
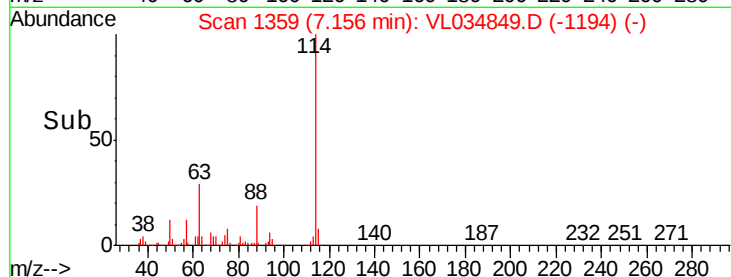
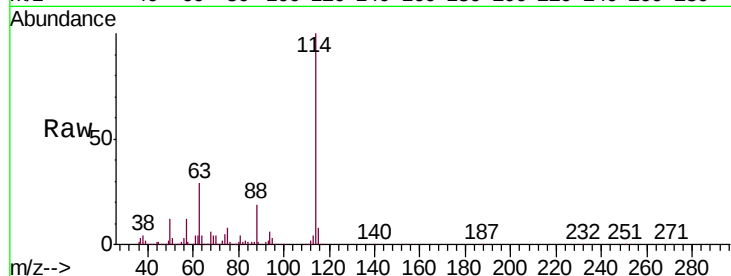




#30
Cyclohexane
Concen: 0.018 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.03 min
Lab File: VL034849.D
Acq: 9 Mar 2020 21:47

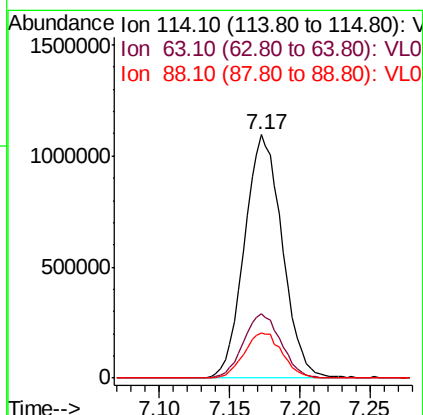
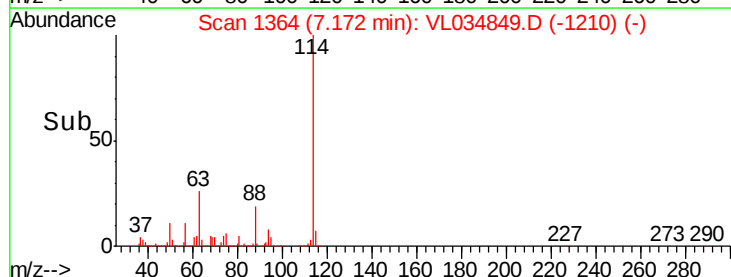
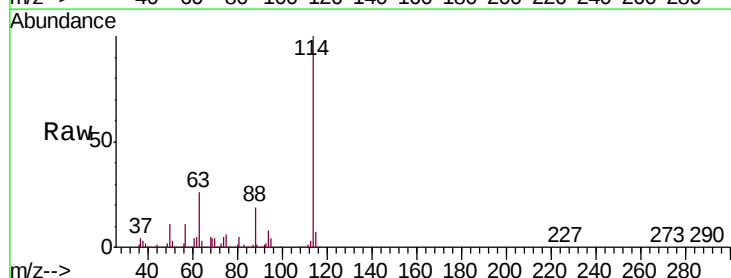
Instrument :
MSVOA_L
ClientSampleId :

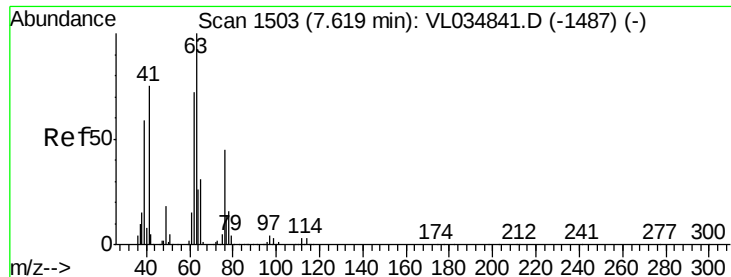
Tgt Ion: 84 Resp: 1395
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 0.0 68.2 102.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034849.D
Acq: 9 Mar 2020 21:47

Tgt Ion: 114 Resp: 2054039
Ion Ratio Lower Upper
114 100
63 26.5 20.6 31.0
88 18.8 15.0 22.6





#39

1,2-Dichloropropane

Concen: 7.435 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL034849.D

Acq: 9 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

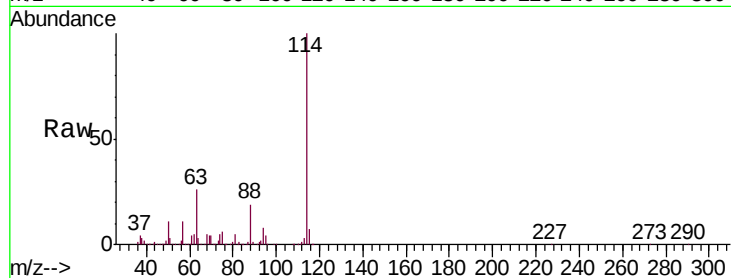
Tgt Ion: 63 Resp: 539348

Ion Ratio Lower Upper

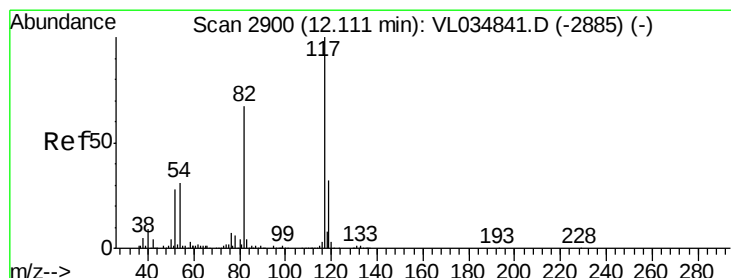
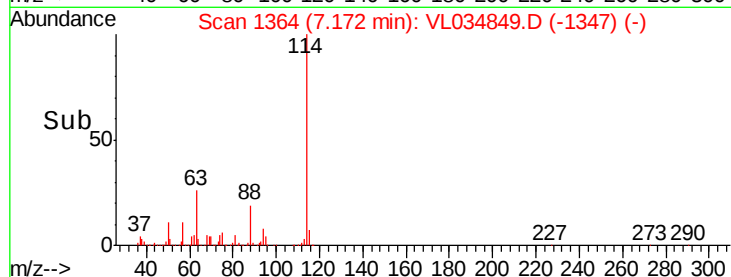
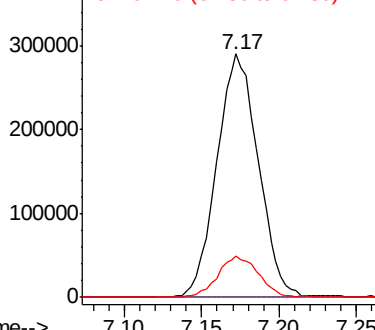
63 100

41 0.2 59.8 89.8#

62 17.2 57.6 86.4#



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: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL034849.D

Acq: 9 Mar 2020 21:47

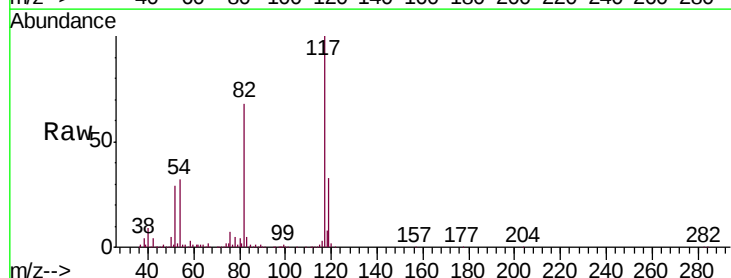
Tgt Ion: 117 Resp: 2033080

Ion Ratio Lower Upper

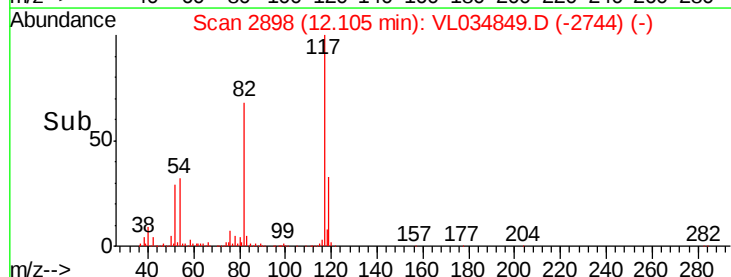
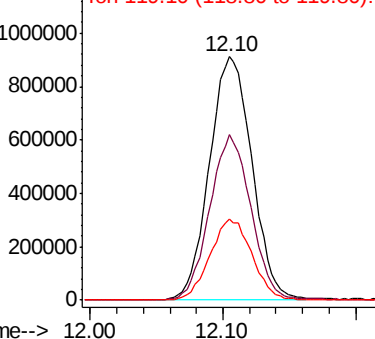
117 100

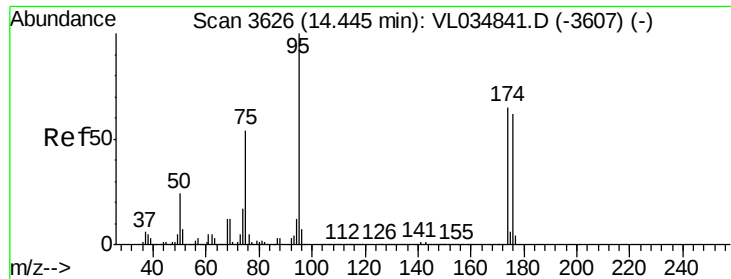
82 66.0 51.1 76.7

119 33.0 27.3 40.9



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: 10.067 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL034849.D
 Acq: 9 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 1596253
 Ion Ratio Lower Upper
 95 100
 174 68.4 55.2 82.8
 175 5.4 4.3 6.5

