

Data File : VL034864.D
Acq On : 10 Mar 2020 13:04
Operator : SY/AP
Sample : VL0310ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABL01

Quant Time: Mar 11 05:49:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	868836	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1920565	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1893202	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1525433	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

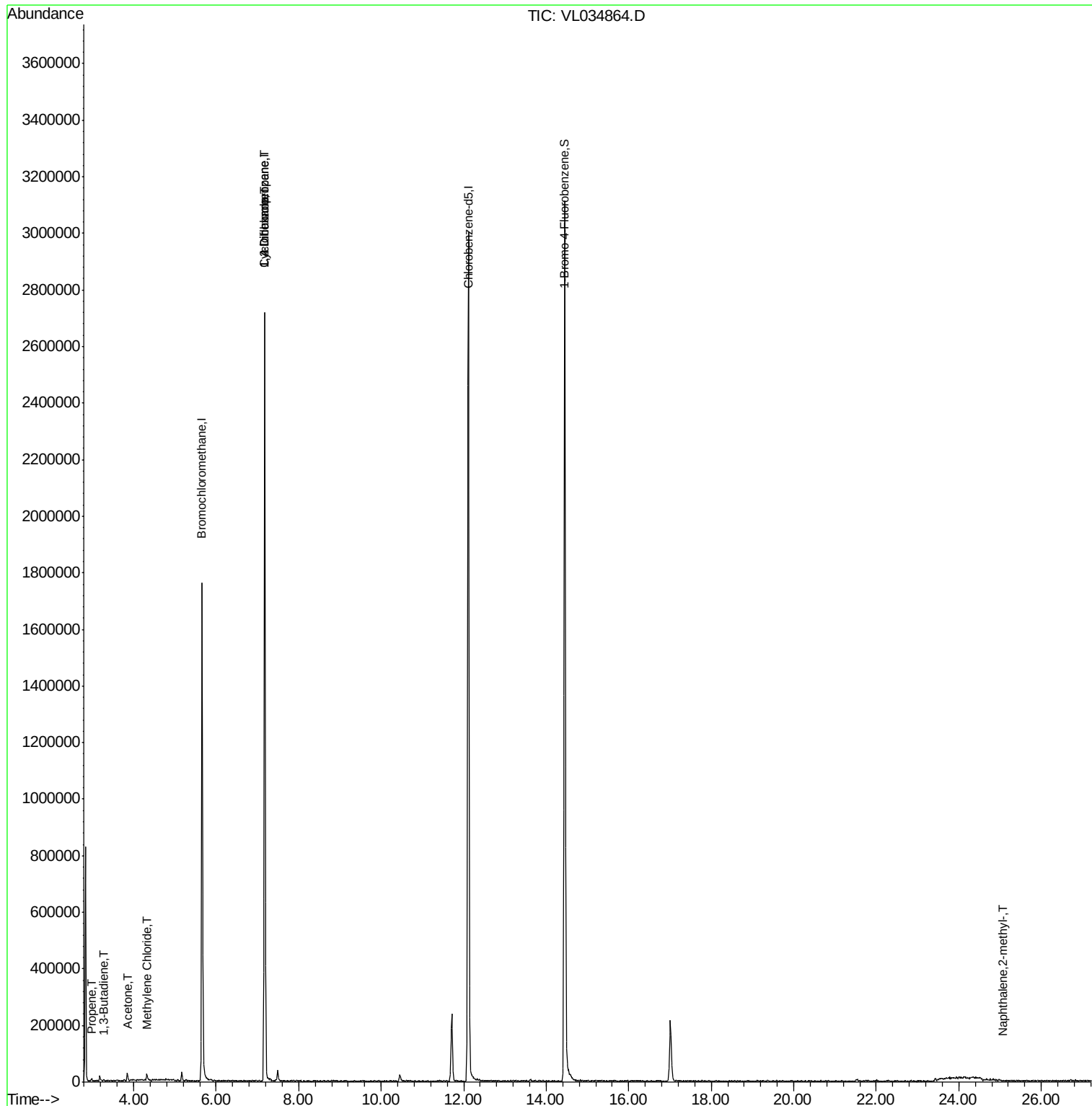
Target Compounds						Qvalue
9) Propene	2.96	41	611	0.013	ppbv #	1
15) Acetone	3.84	43	18756	0.167	ppbv #	56
16) 1,3-Butadiene	3.27	39	817	0.016	ppbv #	9
20) Methylene Chloride	4.32	84	4418	0.124	ppbv #	69
30) Cyclohexane	7.17	84	4142	0.057	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	507037	7.476	ppbv #	23
80) Naphthalene,2-methyl-	25.06	142	642	0.013	ppbv #	55

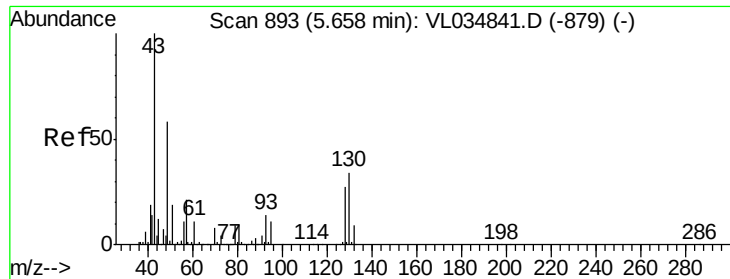
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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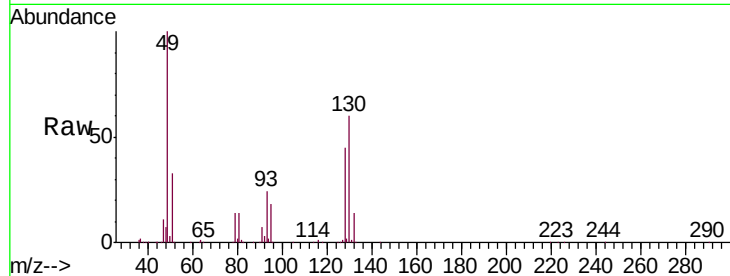
Tgt Ion: 49 Resp: 868836

Ion Ratio Lower Upper

49 100

128 46.4 23.4 70.3

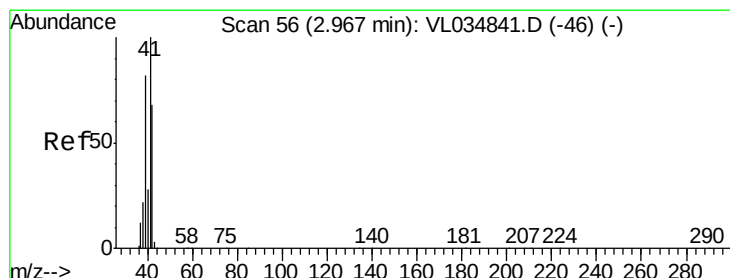
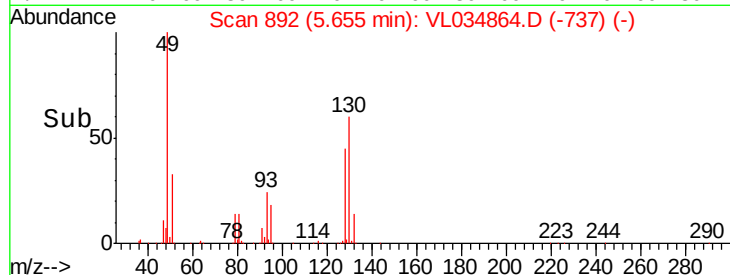
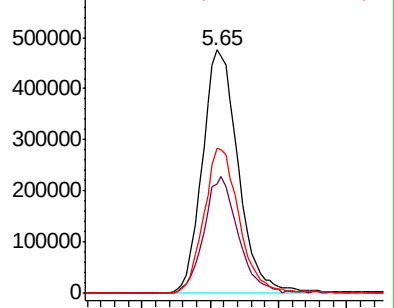
130 59.4 30.0 90.0



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



#9

Propene

Concen: 0.013 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034864.D

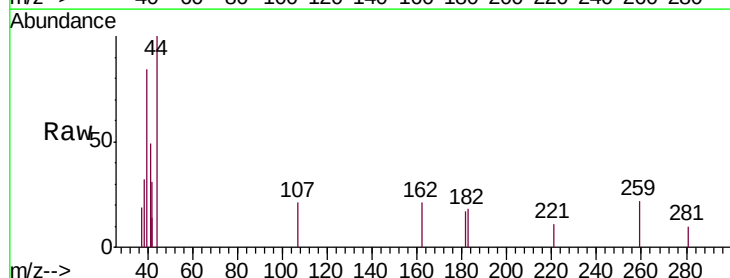
Acq: 10 Mar 2020 13:04

Tgt Ion: 41 Resp: 611

Ion Ratio Lower Upper

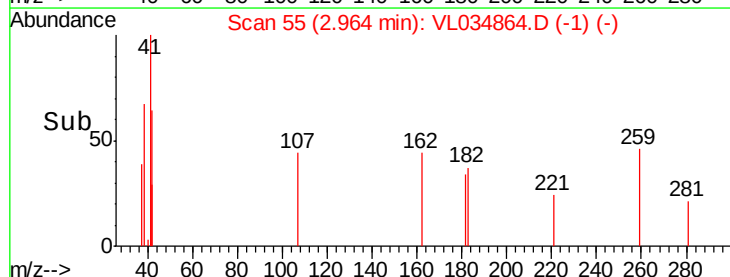
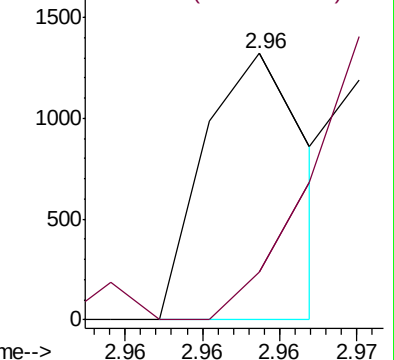
41 100

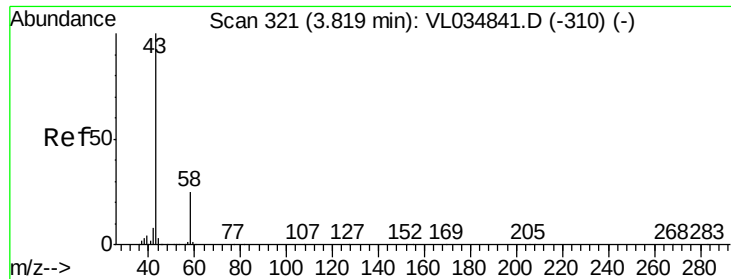
42 227.5 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.167 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034864.D

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ClientSampleId :

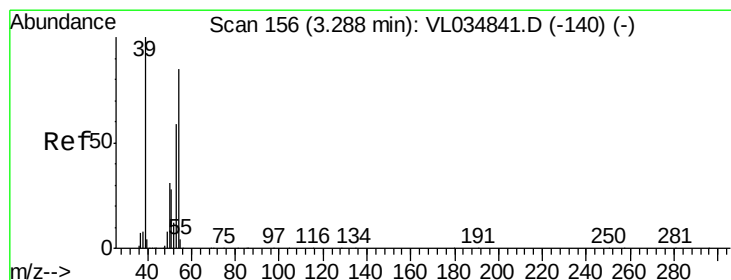
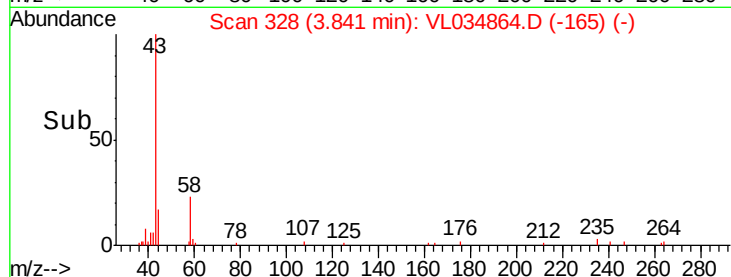
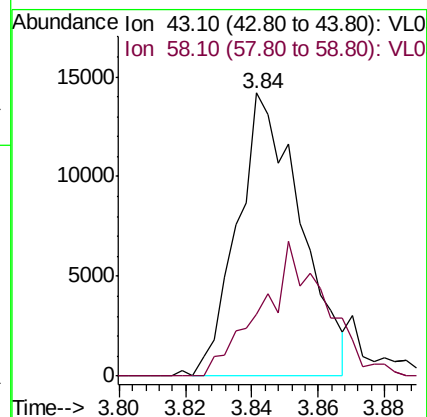
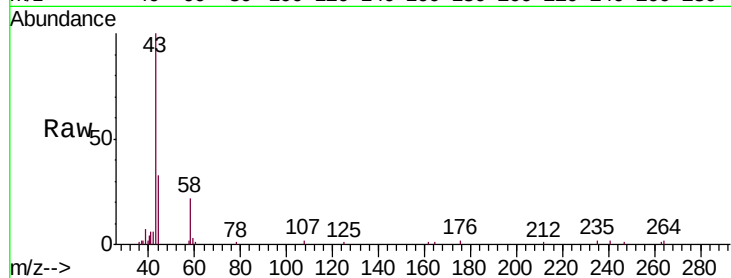
VL0310ABL01

Tgt Ion: 43 Resp: 18756

Ion Ratio Lower Upper

43 100

58 49.0 21.0 31.6#



#16

1,3-Butadiene

Concen: 0.016 ppbv

RT: 3.27 min Scan# 151

Delta R.T. -0.02 min

Lab File: VL034864.D

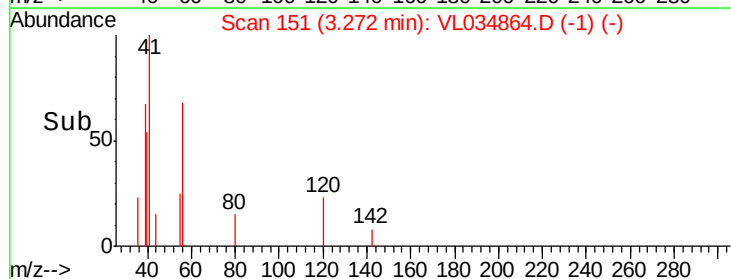
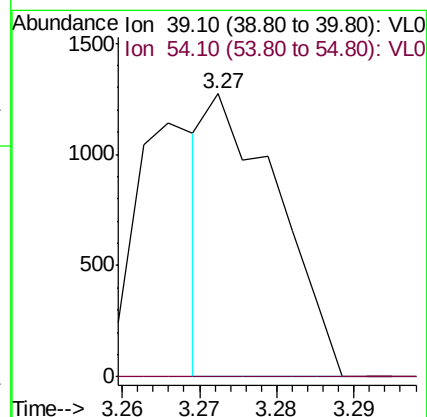
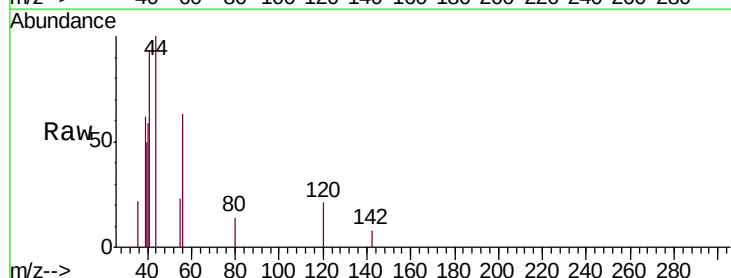
Acq: 10 Mar 2020 13:04

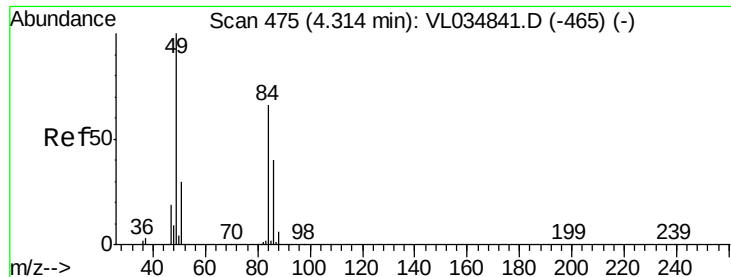
Tgt Ion: 39 Resp: 817

Ion Ratio Lower Upper

39 100

54 0.0 65.0 97.6#





#20

Methylene Chloride

Concen: 0.124 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034864.D

Acq: 10 Mar 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABL01

Tgt Ion: 84 Resp: 4418

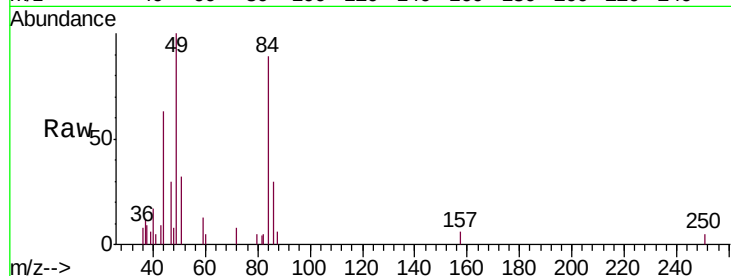
Ion Ratio Lower Upper

84 100

49 108.0 121.5 182.3#

51 35.4 36.6 55.0#

86 33.7 48.2 72.2#

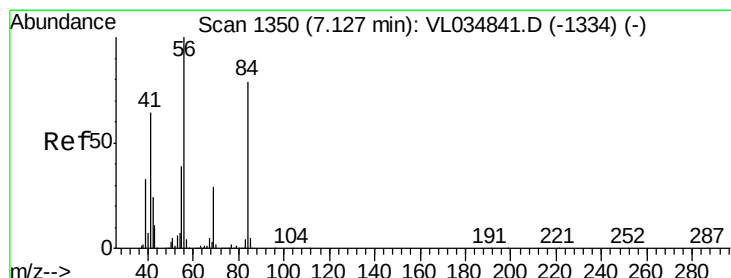
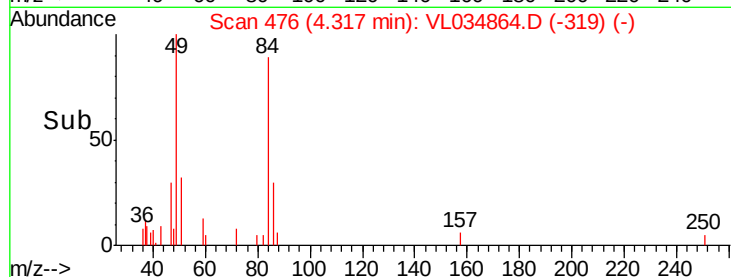
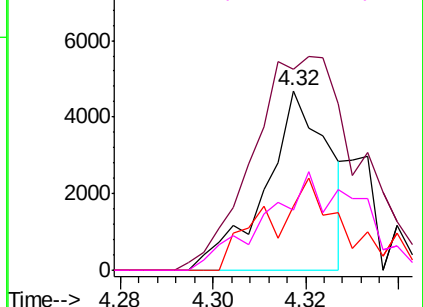


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#30

Cyclohexane

Concen: 0.057 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.04 min

Lab File: VL034864.D

Acq: 10 Mar 2020 13:04

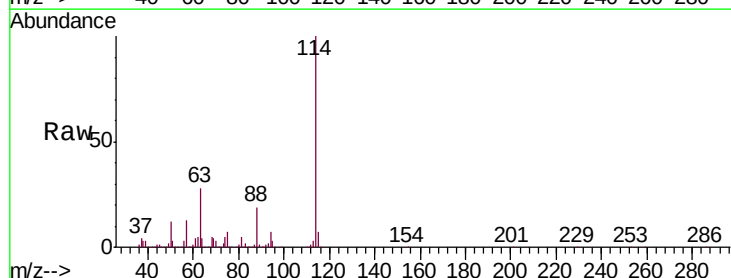
Tgt Ion: 84 Resp: 4142

Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

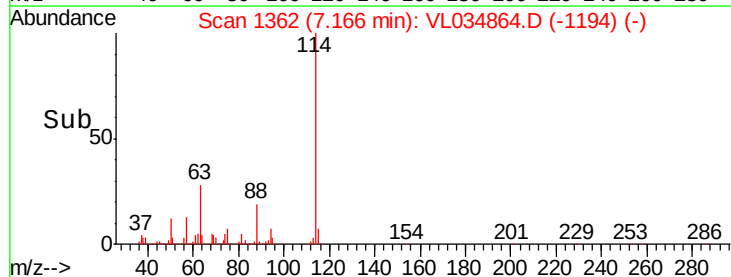
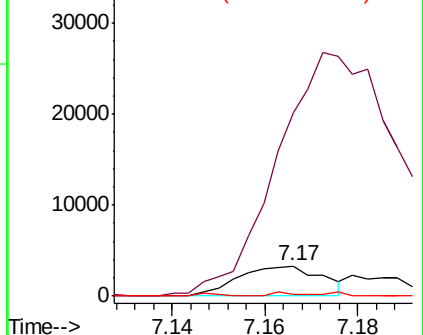
41 0.0 68.2 102.4#

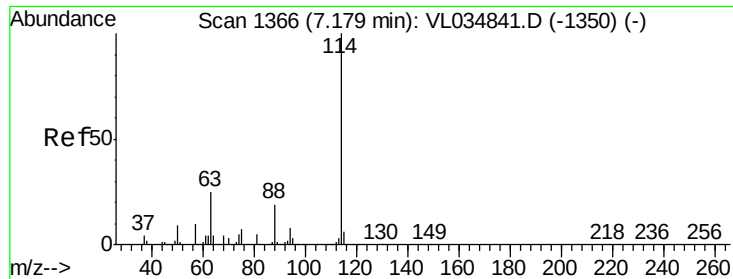


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

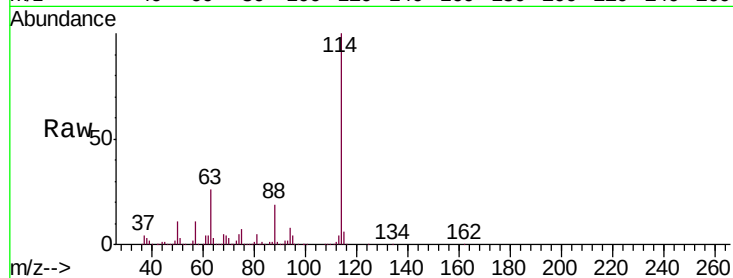




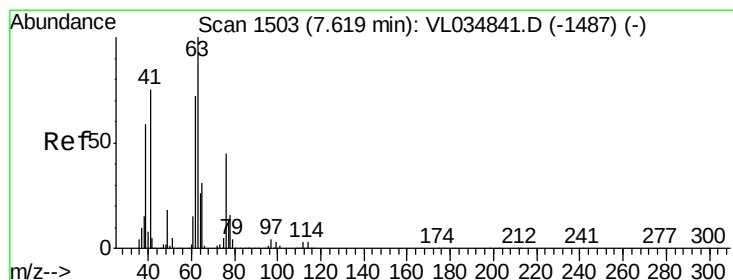
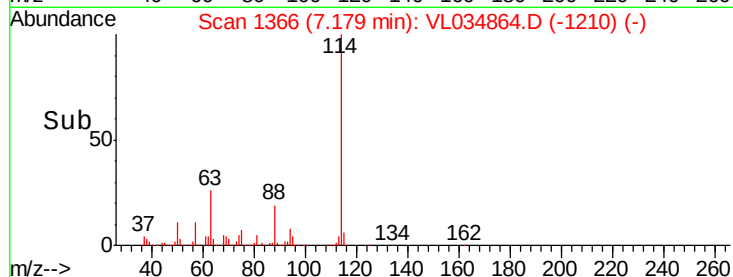
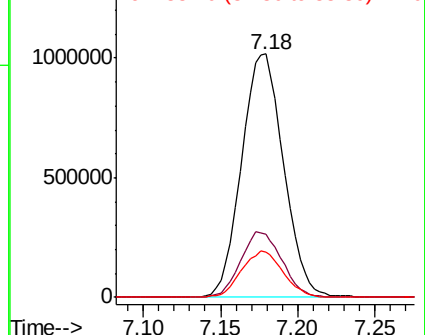
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034864.D
 Acq: 10 Mar 2020 13:04

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 VL0310ABL01

Tgt Ion:114 Resp: 1920565
 Ion Ratio Lower Upper
 114 100
 63 26.6 20.6 31.0
 88 18.9 15.0 22.6

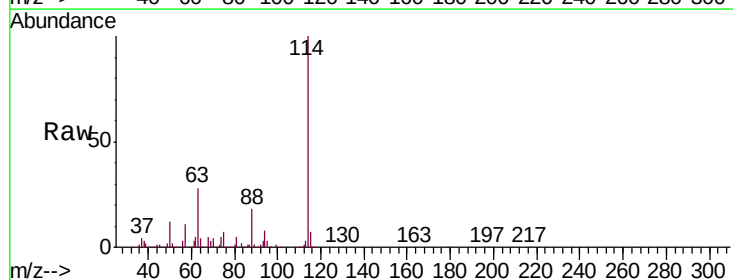


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

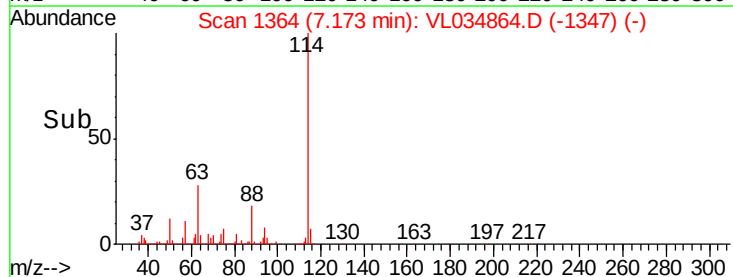
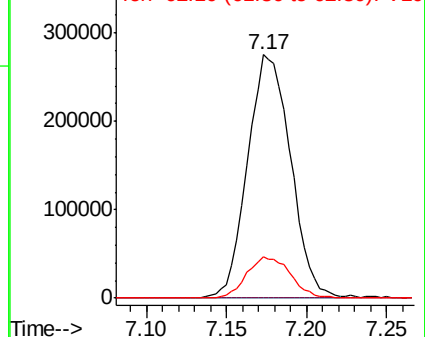


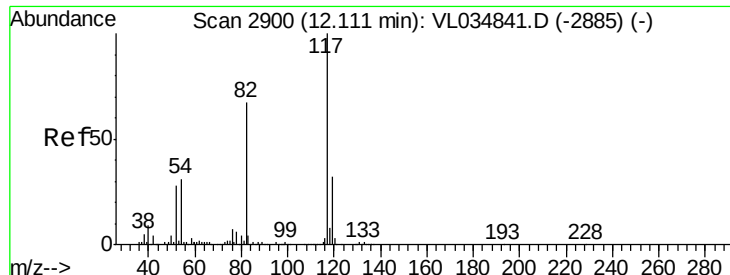
#39
 1,2-Dichloropropane
 Concen: 7.476 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL034864.D
 Acq: 10 Mar 2020 13:04

Tgt Ion: 63 Resp: 507037
 Ion Ratio Lower Upper
 63 100
 41 0.1 59.8 89.8#
 62 17.0 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

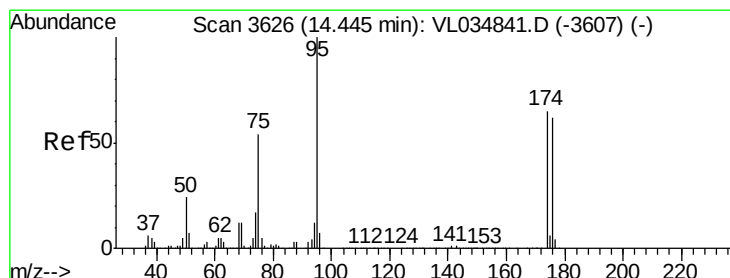
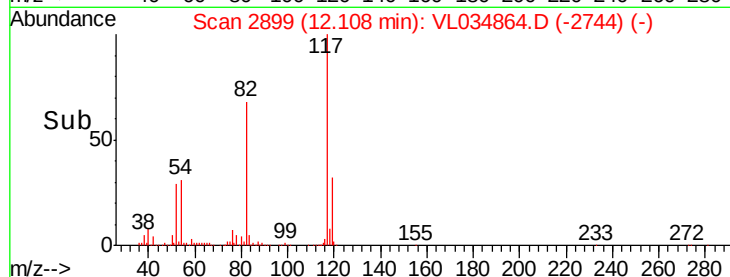
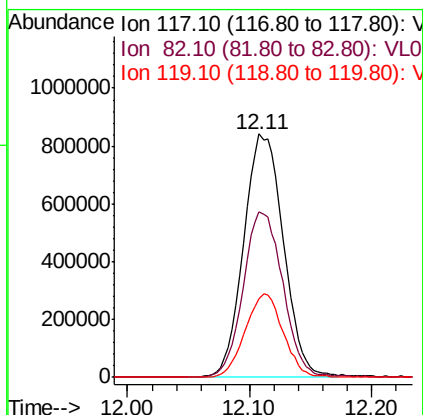
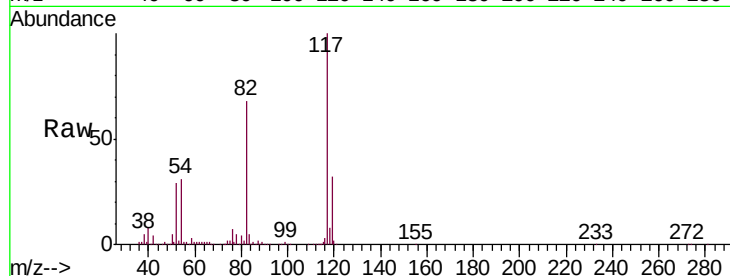




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034864.D
Acq: 10 Mar 2020 13:04

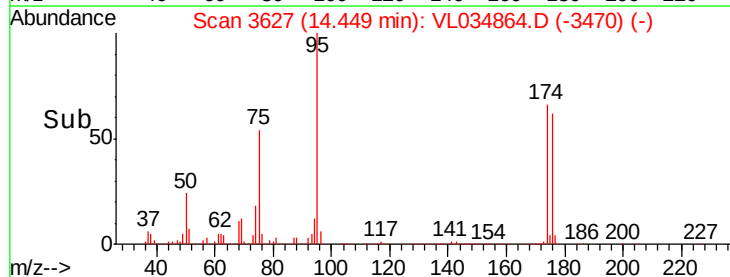
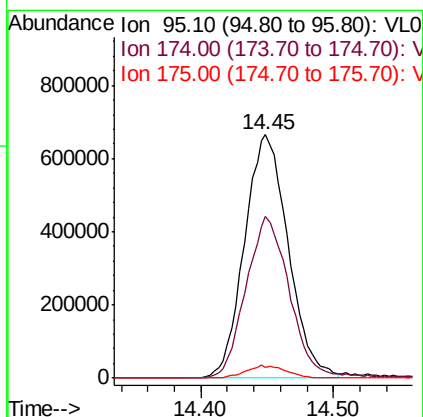
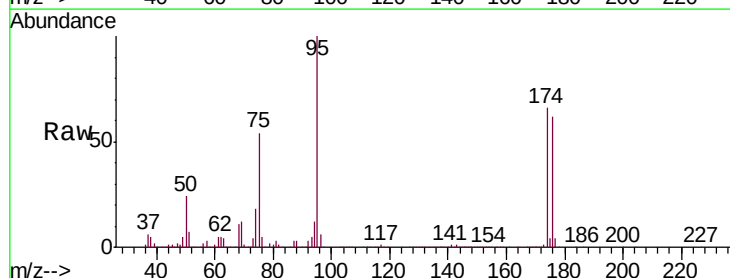
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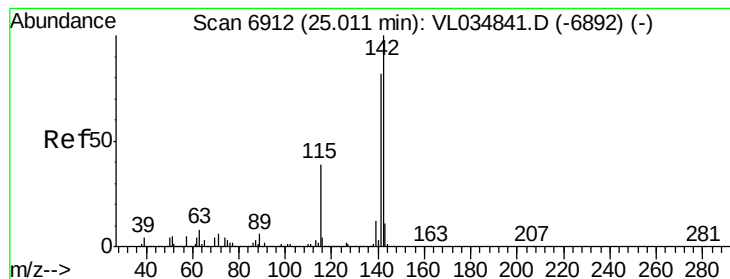
Tgt Ion: 117 Resp: 1893202
Ion Ratio Lower Upper
117 100
82 68.0 51.1 76.7
119 33.0 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.332 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.00 min
Lab File: VL034864.D
Acq: 10 Mar 2020 13:04

Tgt Ion: 95 Resp: 1525433
Ion Ratio Lower Upper
95 100
174 67.4 55.2 82.8
175 4.7 4.3 6.5





#80

Naphthalene, 2-methyl-

Concen: 0.013 ppbv

RT: 25.06 min Scan# 6927

Delta R.T. 0.05 min

Lab File: VL034864.D

Acq: 10 Mar 2020 13:04

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABL01

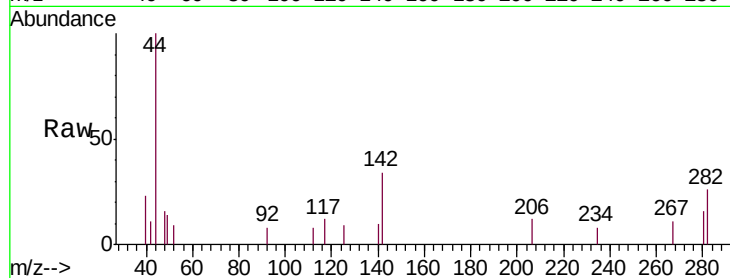
Tgt Ion:142 Resp: 642

Ion Ratio Lower Upper

142 100

141 31.9 68.9 103.3#

115 51.2 33.2 49.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

