

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
 Data File : VL034517.D
 Acq On : 30 Dec 2019 17:52
 Operator : SY/AP
 Sample : VL1230ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABL01

Quant Time: Dec 31 05:00:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1039978	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2083995	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2022264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1689869	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

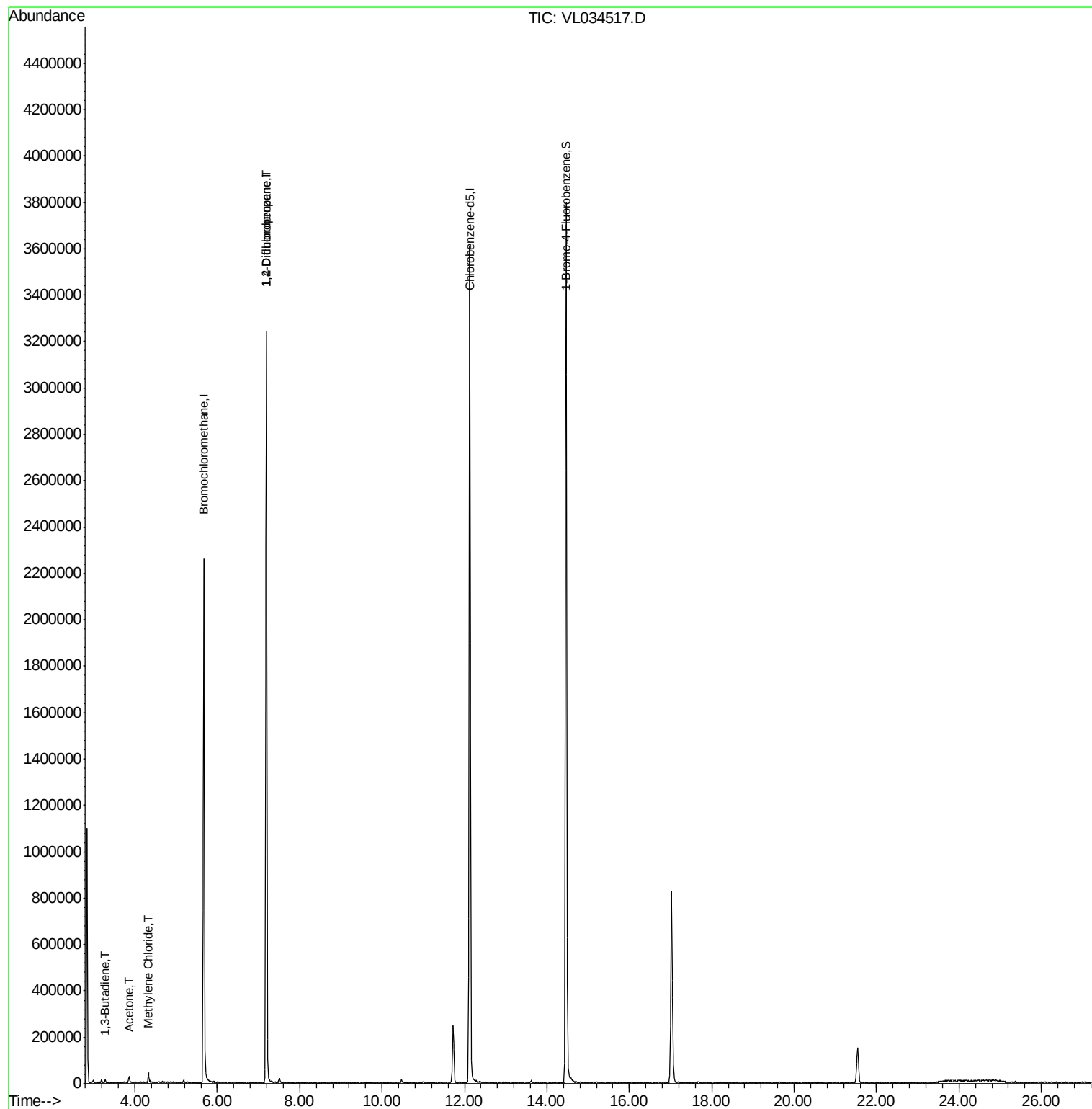
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.85	43	21960	0.145	ppbv #	62
16) 1,3-Butadiene	3.29	39	2128	0.036	ppbv #	8
20) Methylene Chloride	4.33	84	6134	0.103	ppbv	97
39) 1,2-Dichloropropane	7.19	63	614239	8.223	ppbv #	22

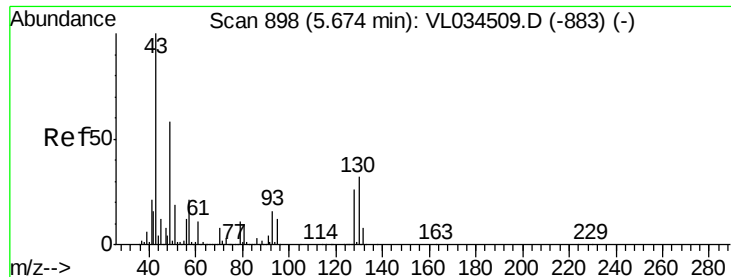
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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MSVOA_L

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VL1230ABL01

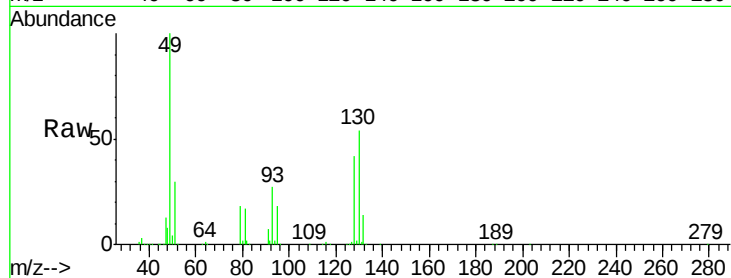
Tgt Ion: 49 Resp: 1039978

Ion Ratio Lower Upper

49 100

128 45.1 22.4 67.2

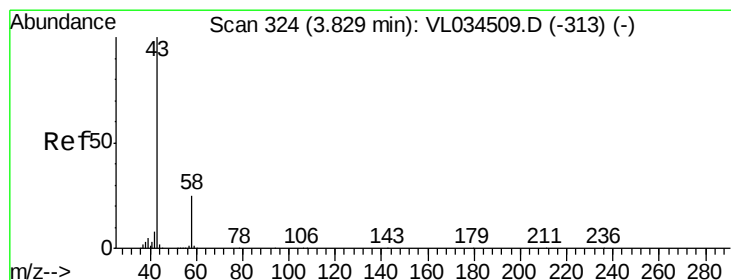
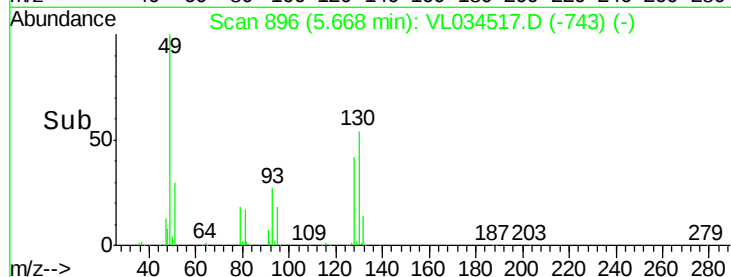
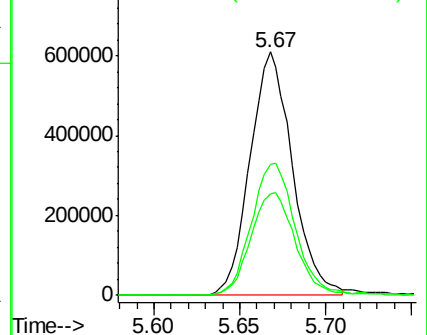
130 56.7 28.3 85.0



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



#15

Acetone

Concen: 0.145 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.03 min

Lab File: VL034517.D

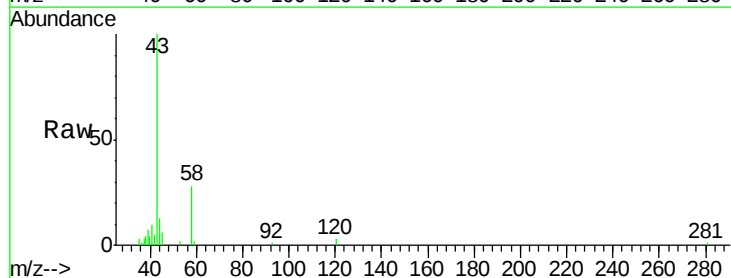
Acq: 30 Dec 2019 17:52

Tgt Ion: 43 Resp: 21960

Ion Ratio Lower Upper

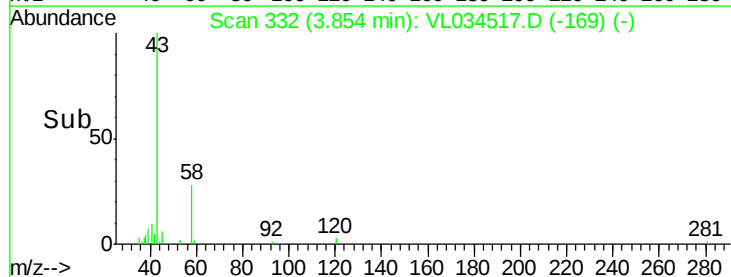
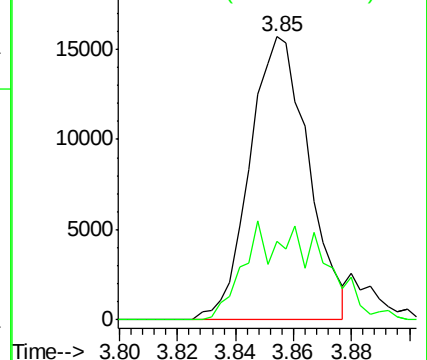
43 100

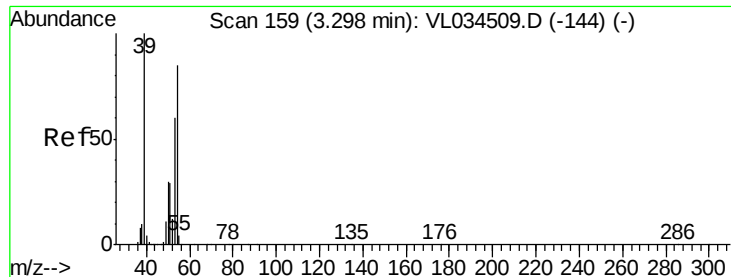
58 44.7 20.4 30.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

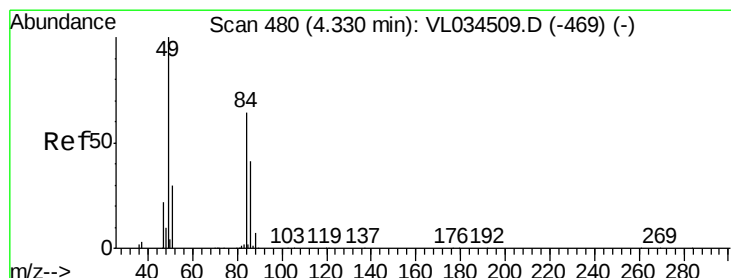
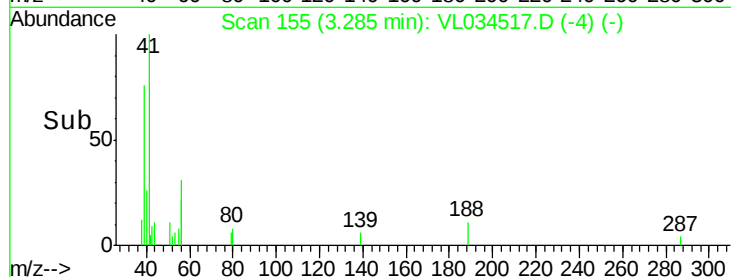
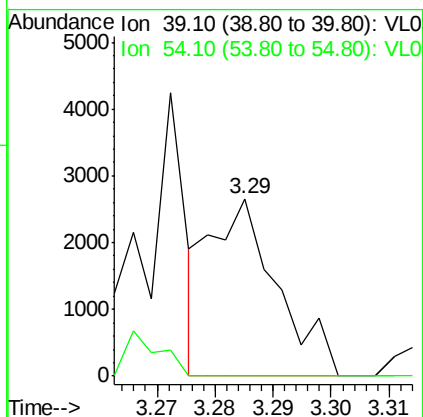
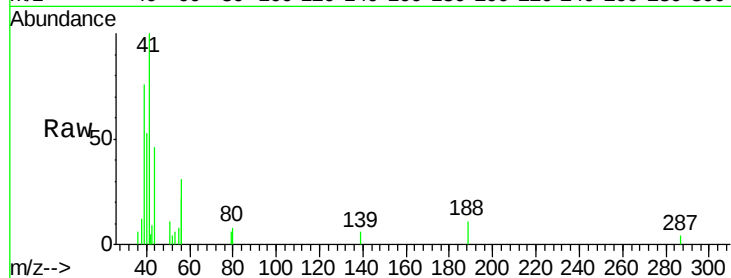




#16
 1,3-Butadiene
 Concen: 0.036 ppbv
 RT: 3.29 min Scan# 155
 Delta R.T. -0.01 min
 Lab File: VL034517.D
 Acq: 30 Dec 2019 17:52

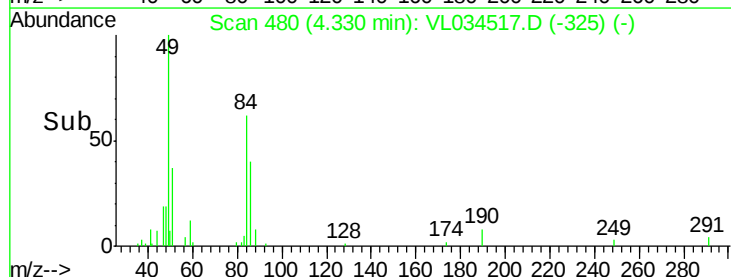
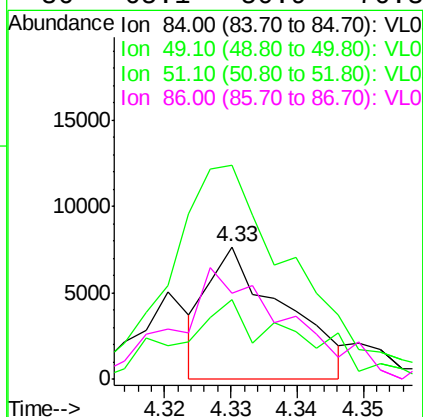
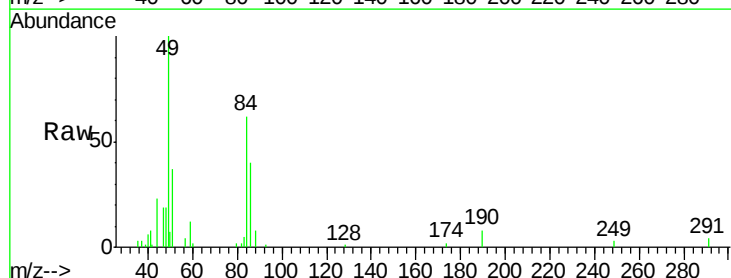
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABL01

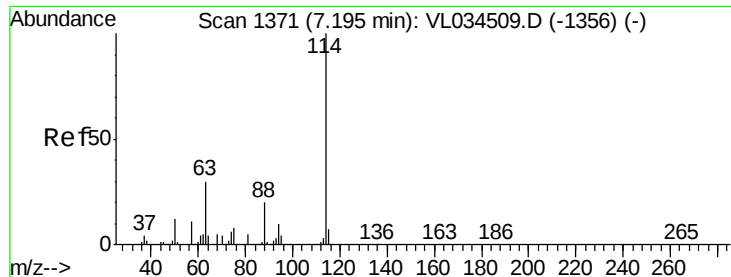
Tgt Ion: 39 Resp: 2128
 Ion Ratio Lower Upper
 39 100
 54 0.0 66.2 99.2#



#20
 Methylene Chloride
 Concen: 0.103 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL034517.D
 Acq: 30 Dec 2019 17:52

Tgt Ion: 84 Resp: 6134
 Ion Ratio Lower Upper
 84 100
 49 152.2 124.4 186.6
 51 43.5 37.0 55.6
 86 65.1 50.9 76.3

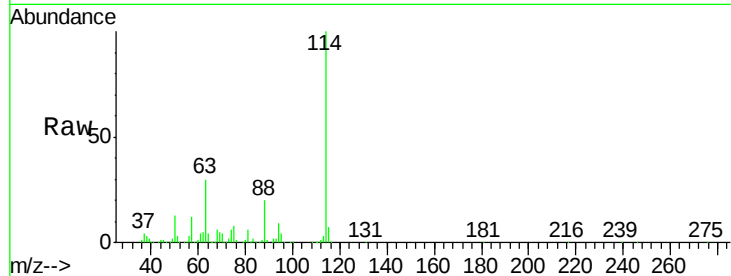




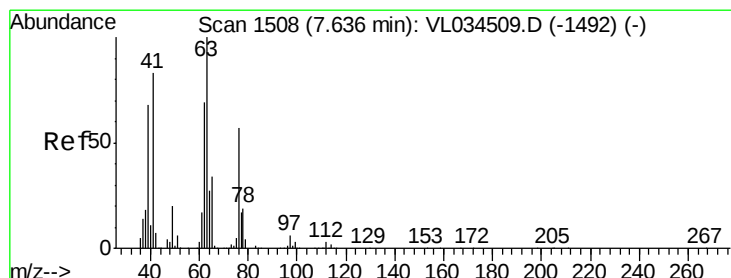
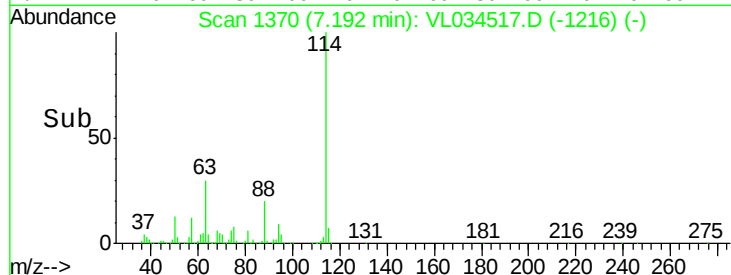
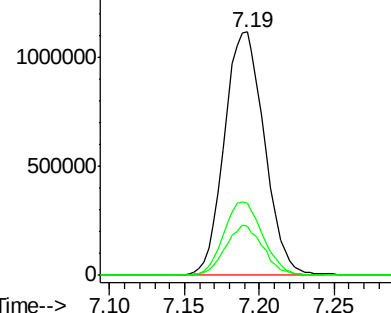
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034517.D
 Acq: 30 Dec 2019 17:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1230ABL01

Tgt Ion: 114 Resp: 2083995
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 19.5 15.7 23.5

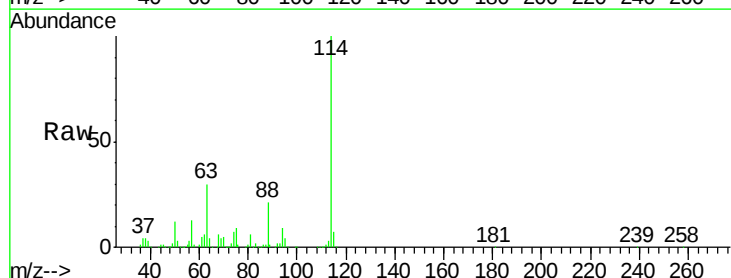


Abundance Ion 114.10 (113.80 to 114.80): V
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

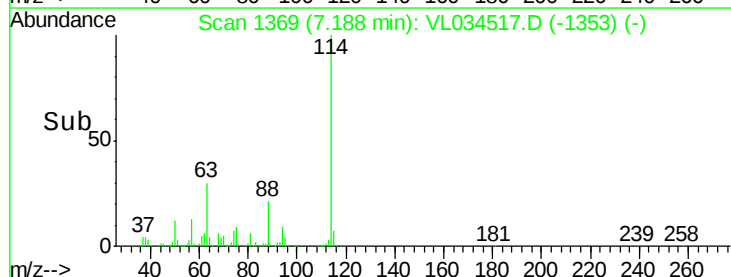
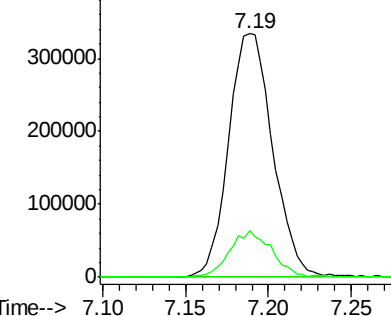


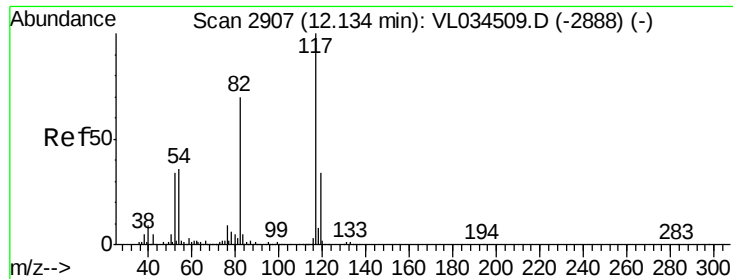
#39
 1,2-Dichloropropane
 Concen: 8.223 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.45 min
 Lab File: VL034517.D
 Acq: 30 Dec 2019 17:52

Tgt Ion: 63 Resp: 614239
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 19.1 54.9 82.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 400000 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: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL034517.D

Acq: 30 Dec 2019 17:52

Instrument :

MSVOA_L

ClientSampleId :

VL1230ABL01

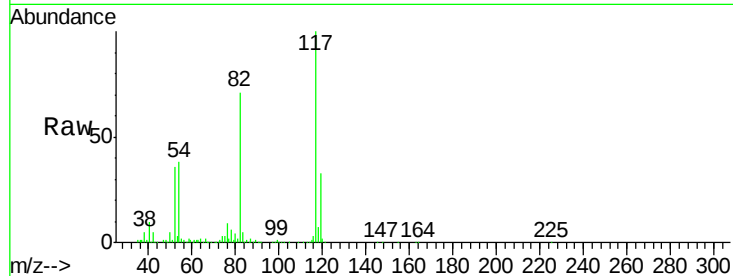
Tgt Ion: 117 Resp: 2022264

Ion Ratio Lower Upper

117 100

82 72.1 56.2 84.4

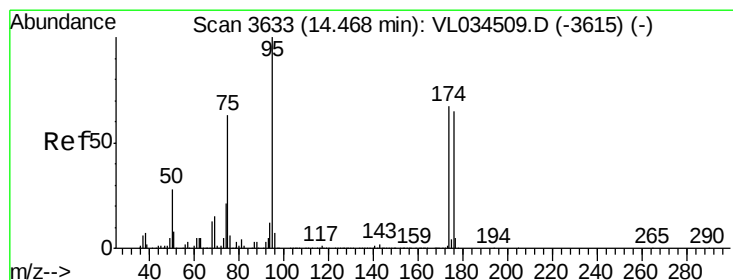
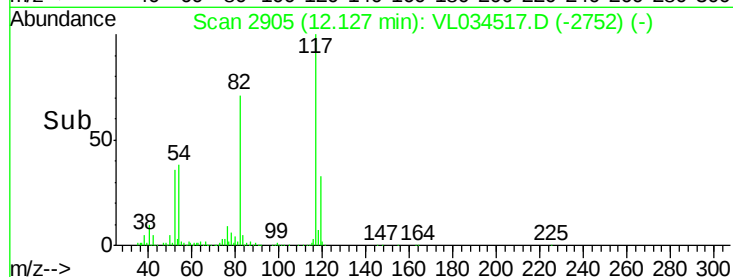
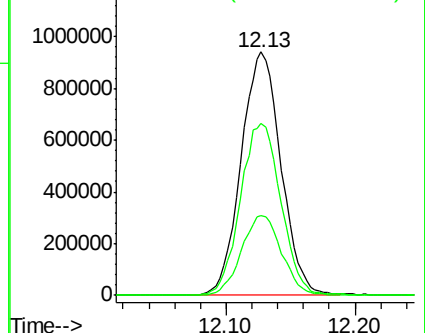
119 33.1 27.1 40.7



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: 10.014 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VL034517.D

Acq: 30 Dec 2019 17:52

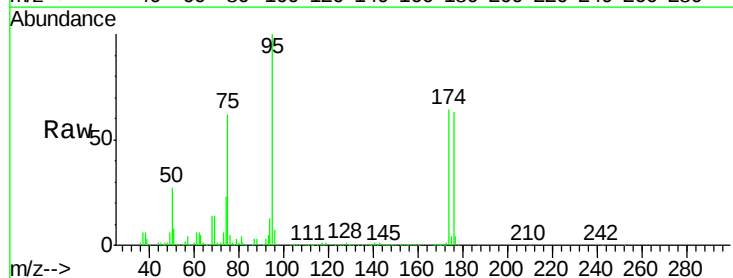
Tgt Ion: 95 Resp: 1689869

Ion Ratio Lower Upper

95 100

174 65.1 52.4 78.6

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

