

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034759.D
 Acq On : 3 Mar 2020 11:13
 Operator : SY/AP
 Sample : VL0303ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:45:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1117976	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2313313	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2319291	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1922177	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

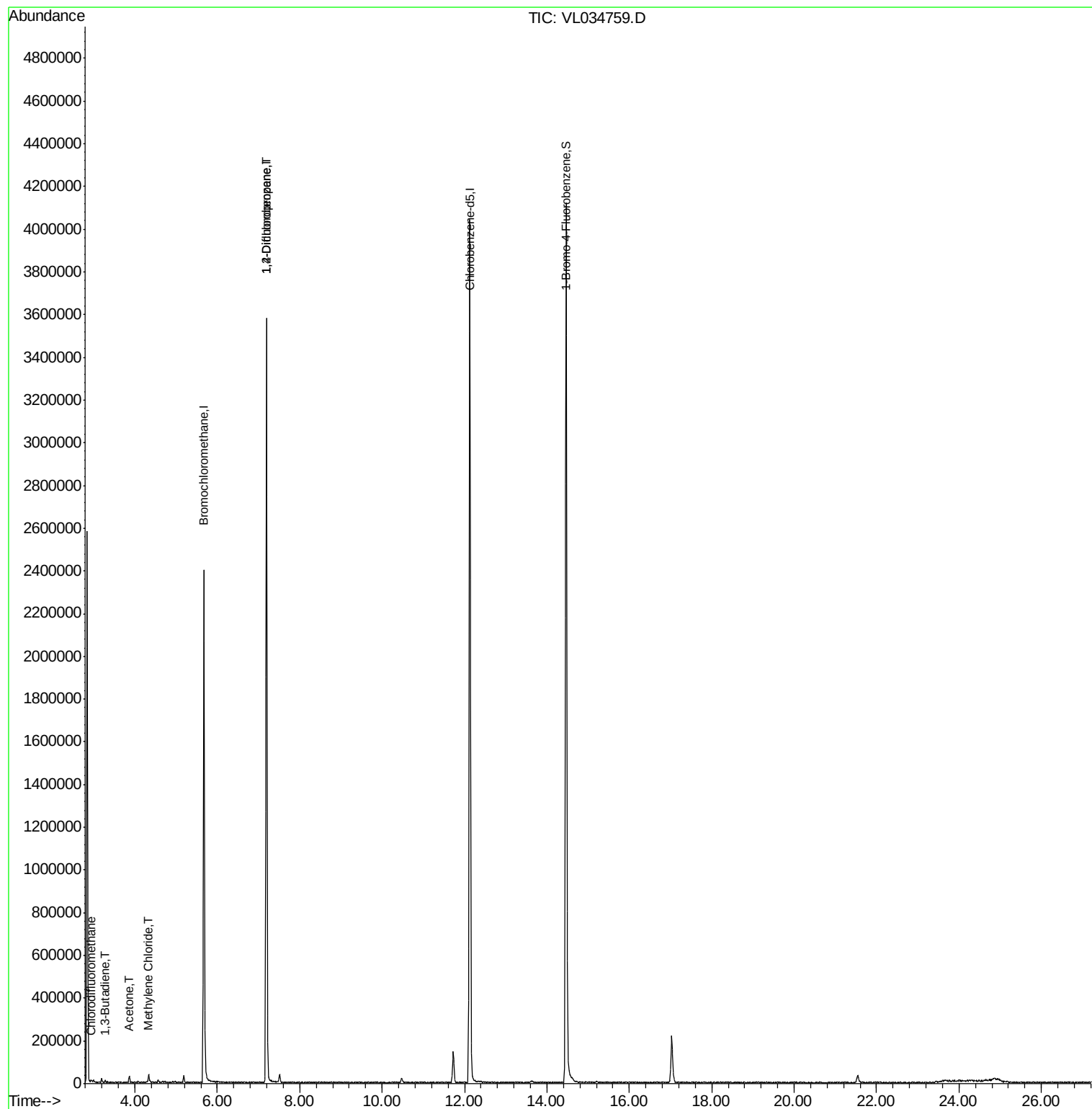
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.94	51	2990	0.025	ppbv #	57
15) Acetone	3.86	43	27439	0.215	ppbv #	60
16) 1,3-Butadiene	3.28	39	2583	0.044	ppbv #	12
20) Methylene Chloride	4.33	84	12045	0.254	ppbv #	84
39) 1,2-Dichloropropane	7.19	63	674429	8.484	ppbv #	23

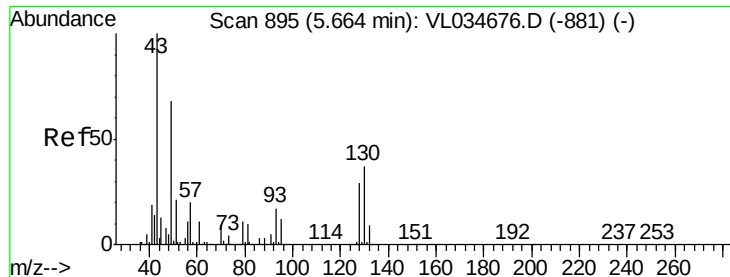
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030320\
Data File : VL034759.D
Acq On : 3 Mar 2020 11:13
Operator : SY/AP
Sample : VL0303ABL01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 04 05:45:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034759.D

Acq: 3 Mar 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

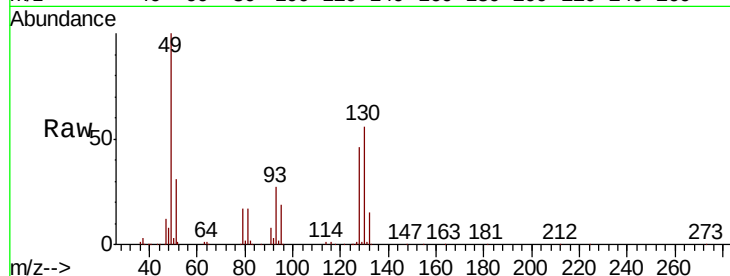
Tot Ion: 49 Resp: 1117976

Ion Ratio Lower Upper

49 100

128 44.8 21.6 65.0

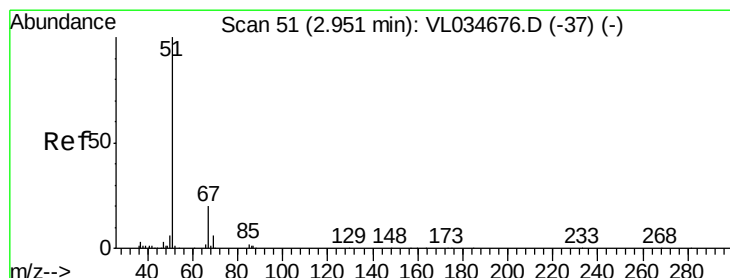
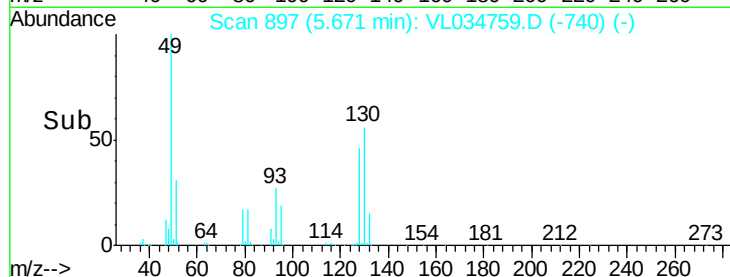
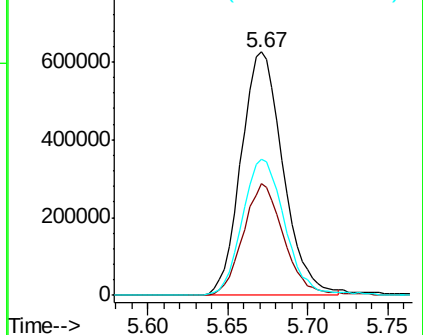
130 57.4 27.7 83.1



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



#3

Chlorodifluoromethane

Concen: 0.025 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL034759.D

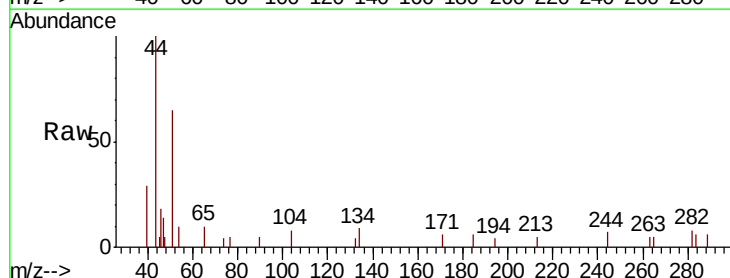
Acq: 3 Mar 2020 11:13

Tgt Ion: 51 Resp: 2990

Ion Ratio Lower Upper

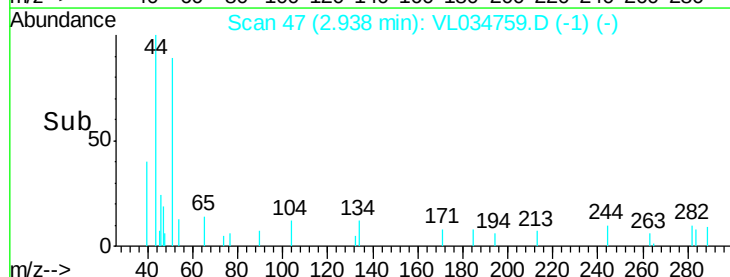
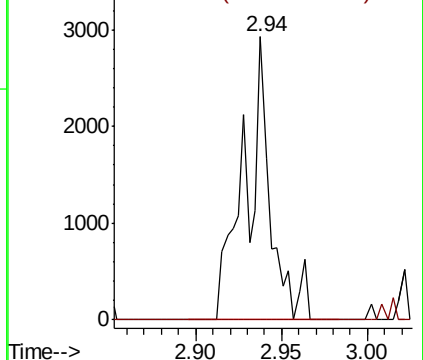
51 100

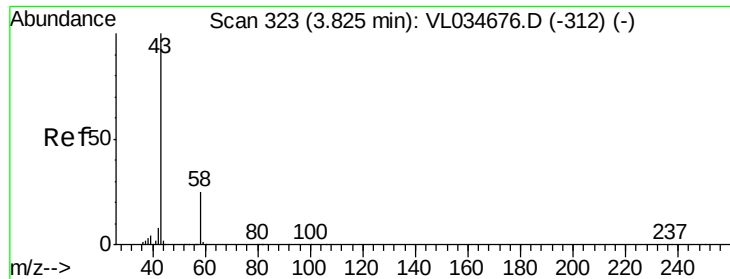
67 0.0 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.215 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.03 min

Lab File: VL034759.D

Acq: 3 Mar 2020 11:13

Instrument :

MSVOA_L

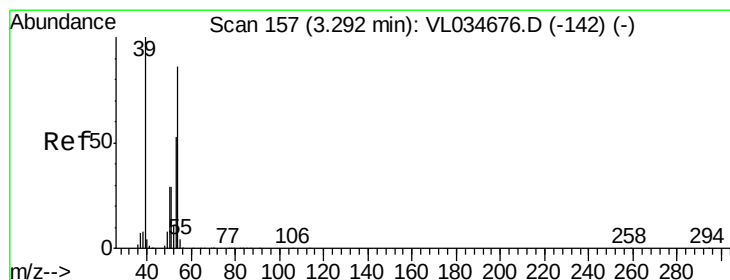
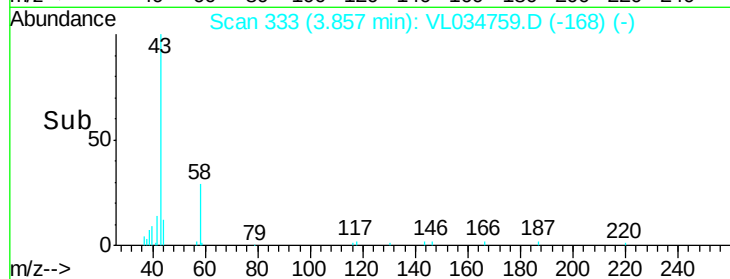
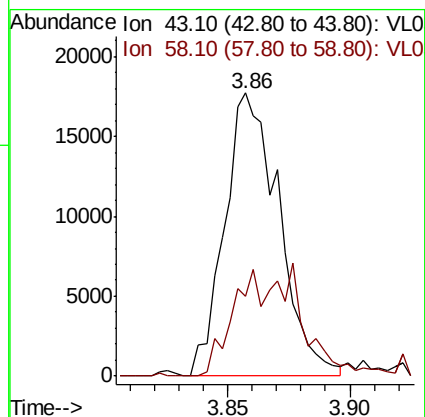
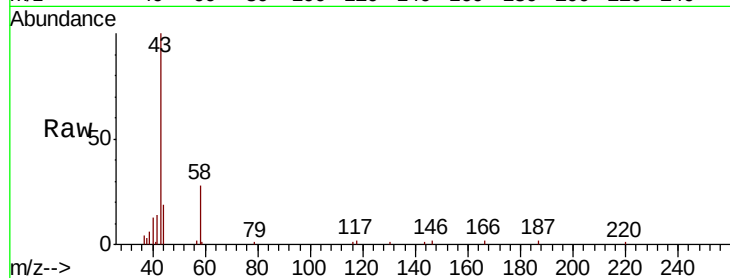
ClientSampleId :

Tot Ion: 43 Resp: 27439

Ion Ratio Lower Upper

43 100

58 47.5 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 3.28 min Scan# 152

Delta R.T. -0.02 min

Lab File: VL034759.D

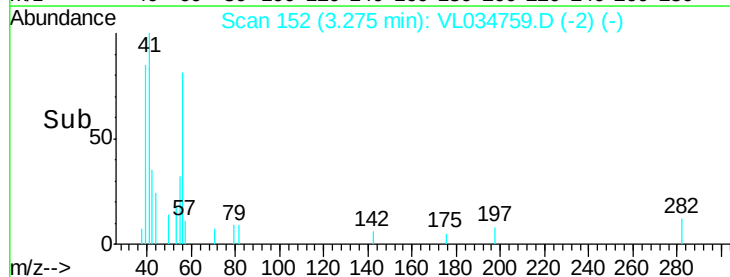
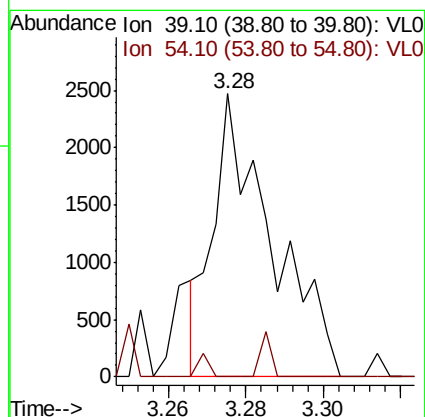
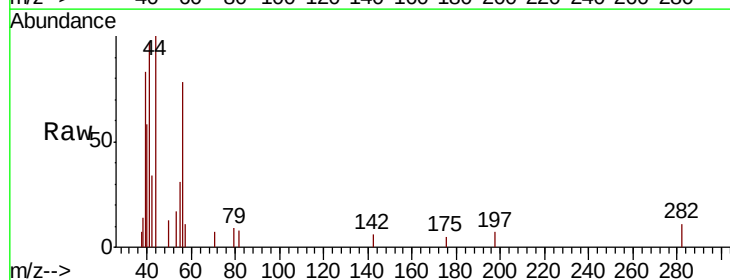
Acq: 3 Mar 2020 11:13

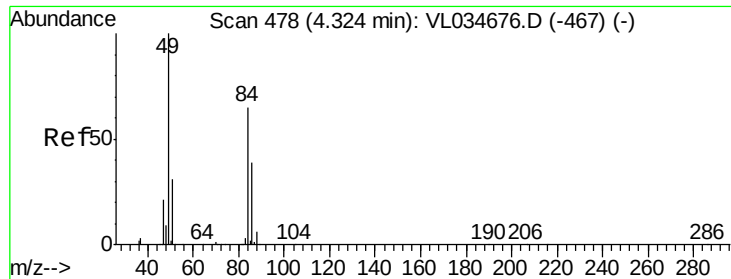
Tgt Ion: 39 Resp: 2583

Ion Ratio Lower Upper

39 100

54 4.4 67.0 100.6#

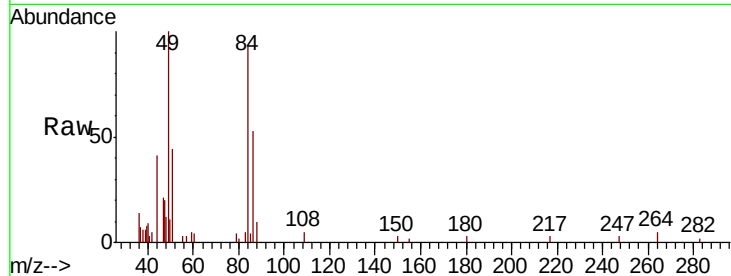




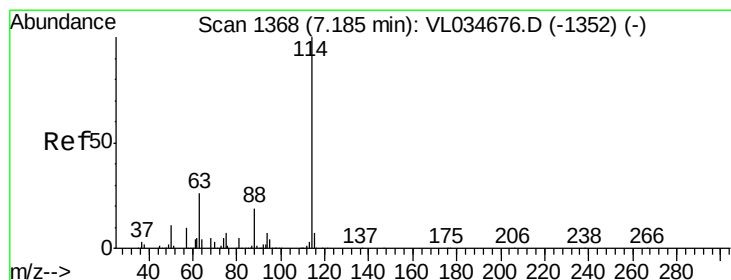
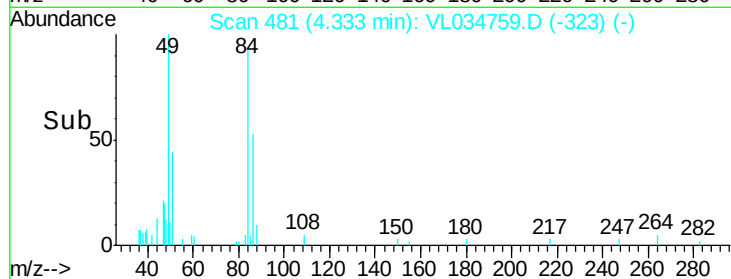
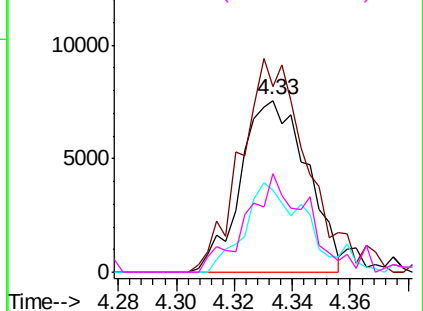
#20
Methylene Chloride
Concen: 0.254 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034759.D
Acq: 3 Mar 2020 11:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 12045
Ion Ratio Lower Upper
84 100
49 119.7 122.8 184.2#
51 47.9 38.6 58.0
86 57.5 47.7 71.5

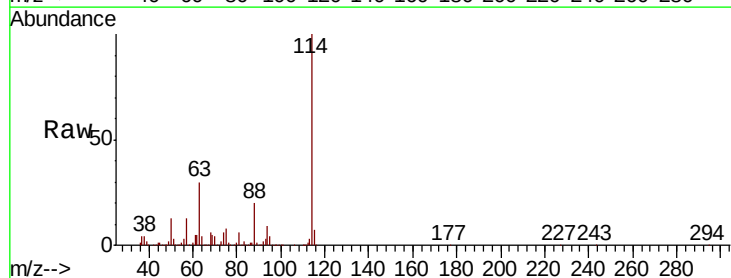


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

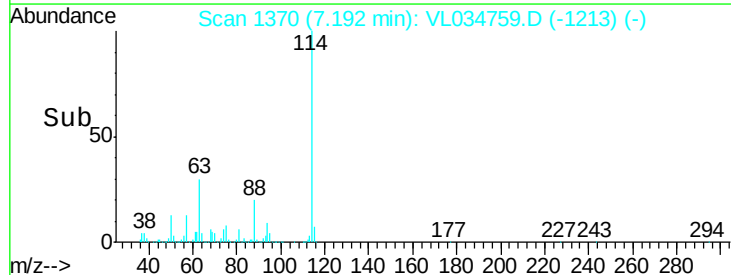
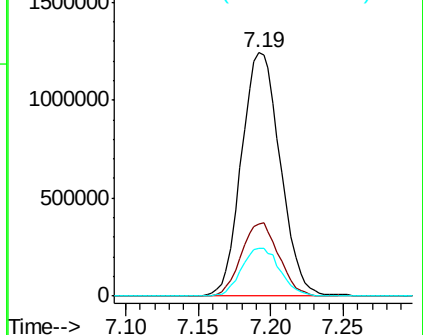


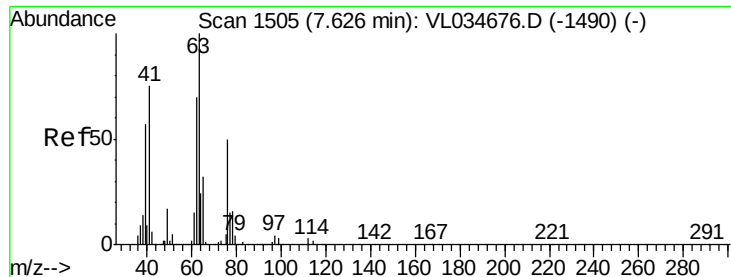
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL034759.D
Acq: 3 Mar 2020 11:13

Tgt Ion:114 Resp: 2313313
Ion Ratio Lower Upper
114 100
63 29.3 22.9 34.3
88 19.7 15.8 23.6



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





#39

1,2-Dichloropropane

Concen: 8.484 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.43 min

Lab File: VL034759.D

Acq: 3 Mar 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

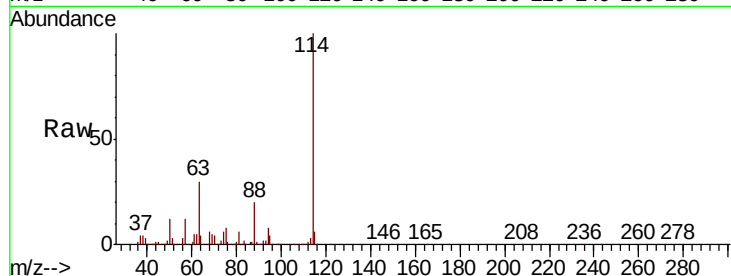
Tot Ion: 63 Resp: 674429

Ion Ratio Lower Upper

63 100

41 0.0 60.2 90.4#

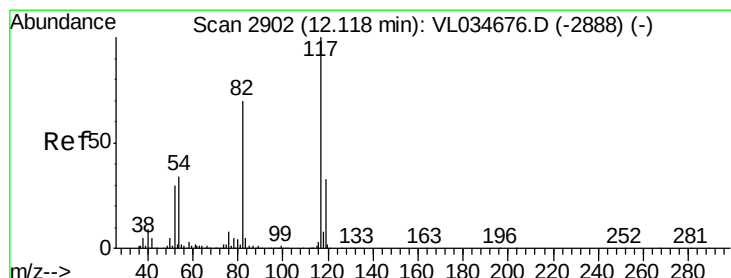
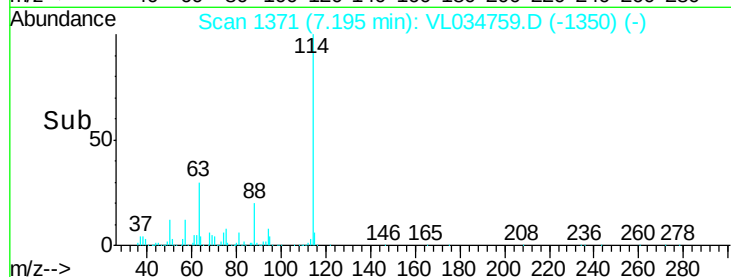
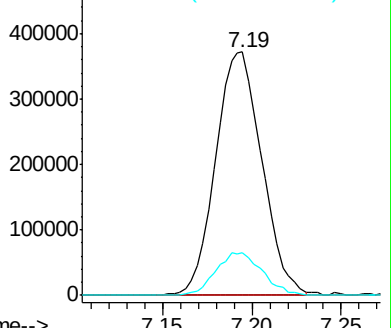
62 17.5 56.3 84.5#



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: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL034759.D

Acq: 3 Mar 2020 11:13

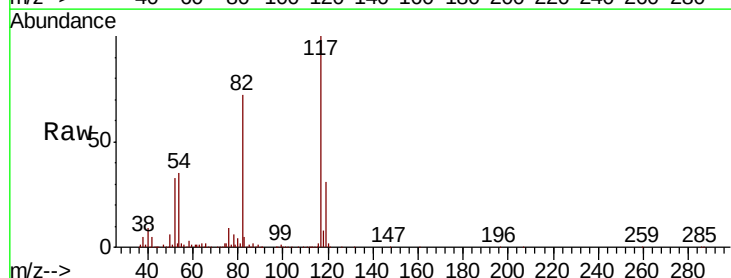
Tgt Ion: 117 Resp: 2319291

Ion Ratio Lower Upper

117 100

82 71.0 54.1 81.1

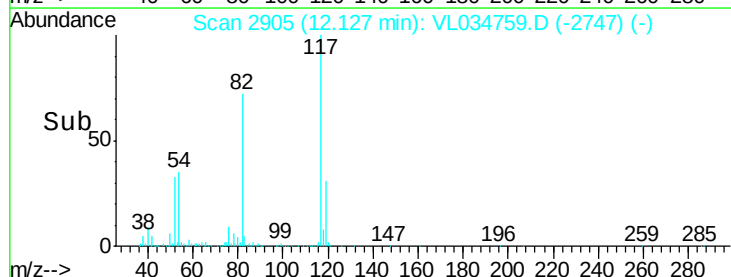
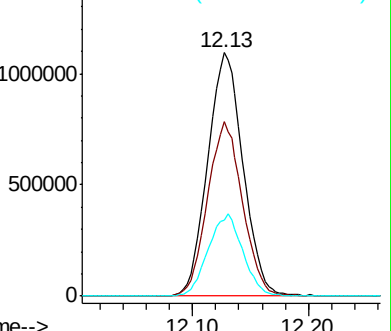
119 33.2 27.6 41.4

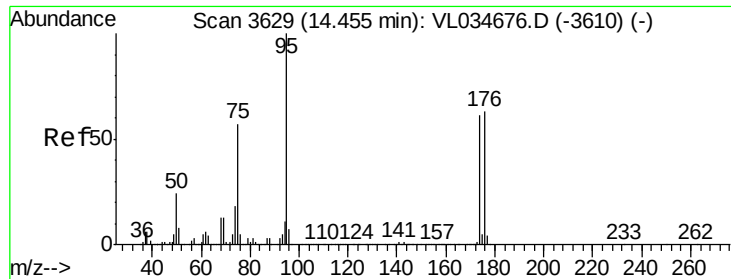


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.107 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.01 min

Lab File: VL034759.D

Acq: 3 Mar 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1922177

Ion Ratio Lower Upper

95 100

174 63.3 50.7 76.1

175 4.6 3.9 5.9

