

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070221\
 Data File : VL037276.D
 Acq On : 2 Jul 2021 15:49
 Operator : SY/AP
 Sample : QC063021 CAN 10197
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC063021 CAN 10197

Quant Time: Jul 03 07:17:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1241641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3602152	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3110428	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2359747	10.01	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

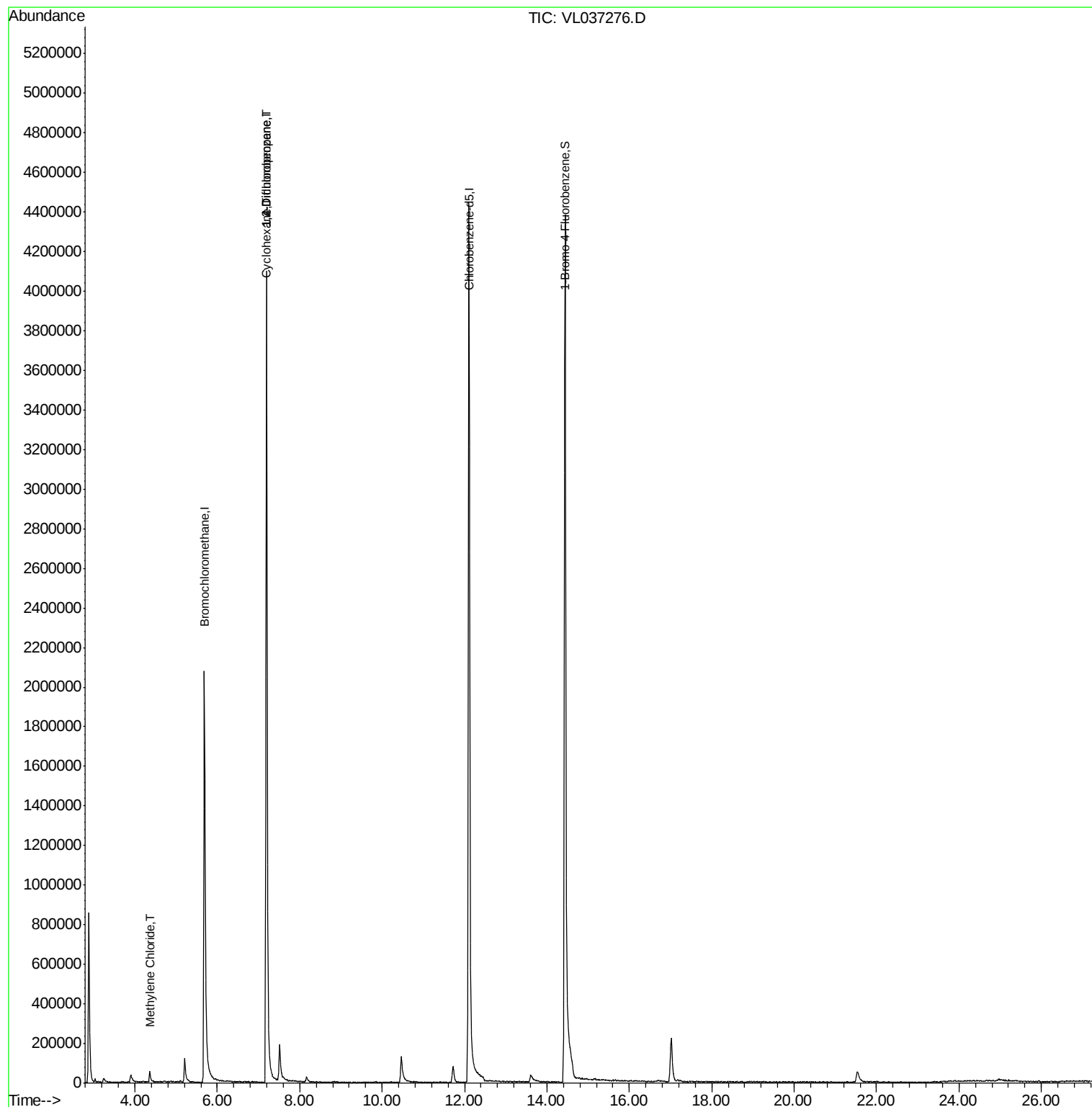
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.36	84	8790	0.105	ppbv	87
30) Cyclohexane	7.18	84	5199	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	887209	8.197	ppbv #	23

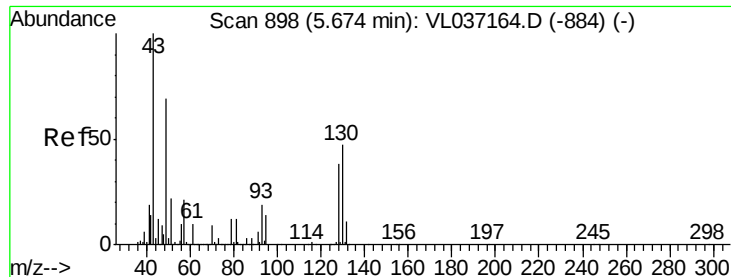
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

QC063021 CAN 10197

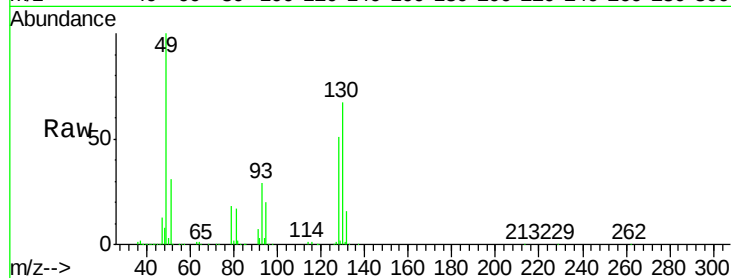
Tgt Ion: 49 Resp: 1241641

Ion Ratio Lower Upper

49 100

128 55.1 29.3 88.0

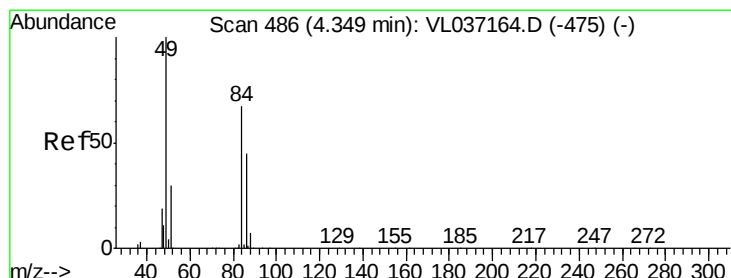
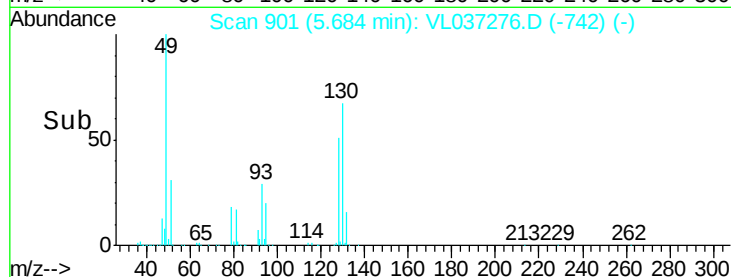
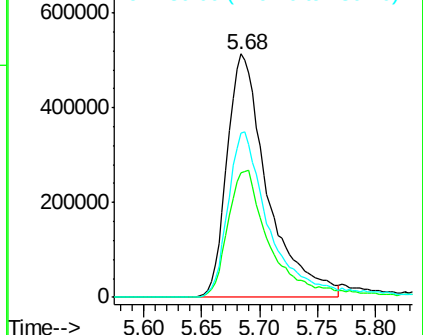
130 72.2 35.9 107.8



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



#20

Methylene Chloride

Concen: 0.105 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037276.D

Acq: 2 Jul 2021 15:49

Tgt Ion: 84 Resp: 8790

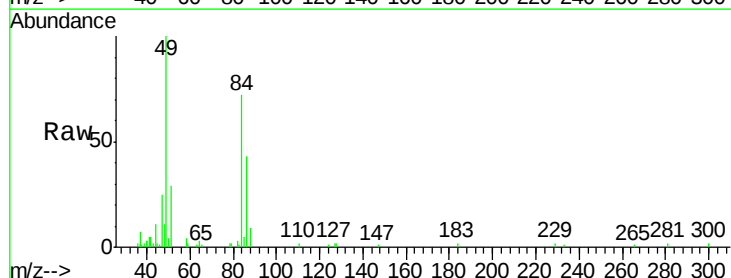
Ion Ratio Lower Upper

84 100

49 130.7 119.7 179.5

51 40.6 36.1 54.1

86 55.7 53.7 80.5

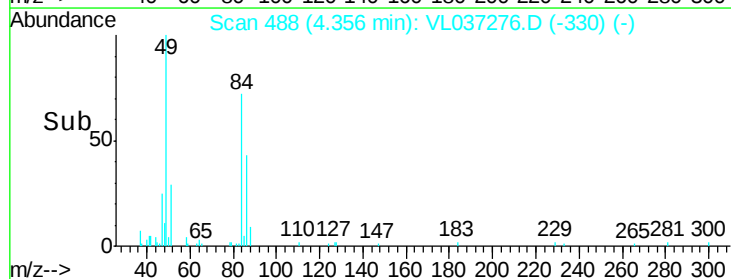
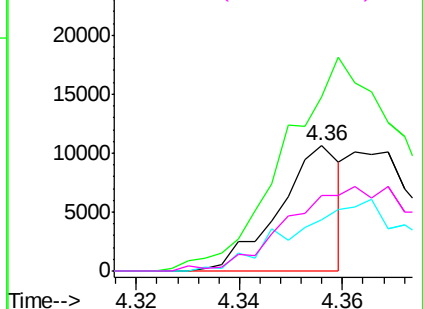


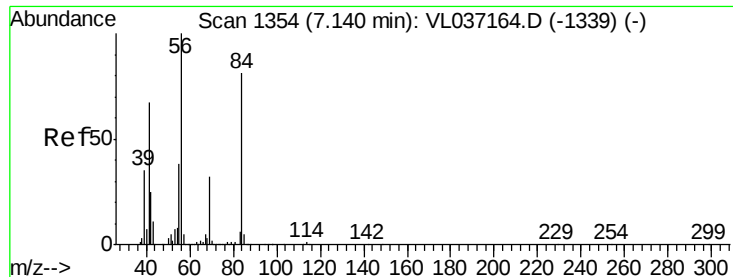
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

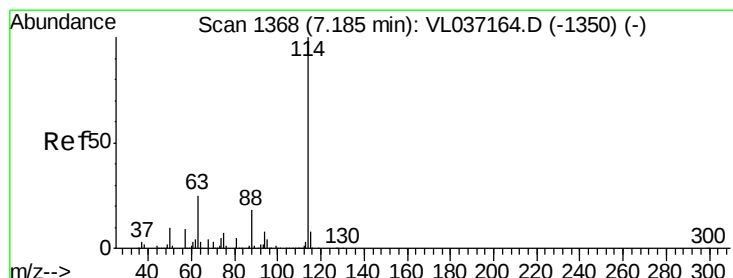
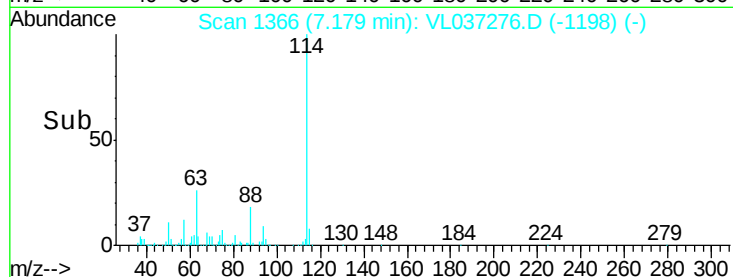
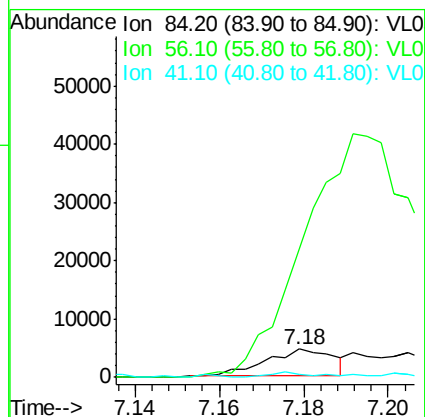
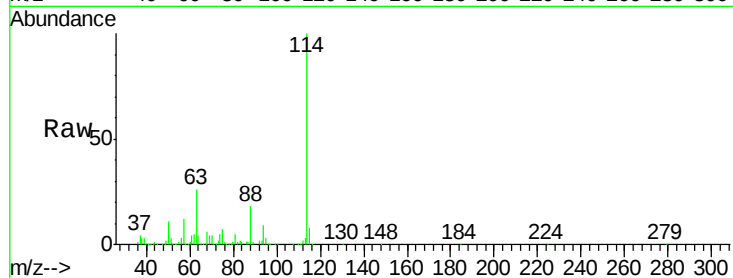




#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.04 min
Lab File: VL037276.D
Acq: 2 Jul 2021 15:49

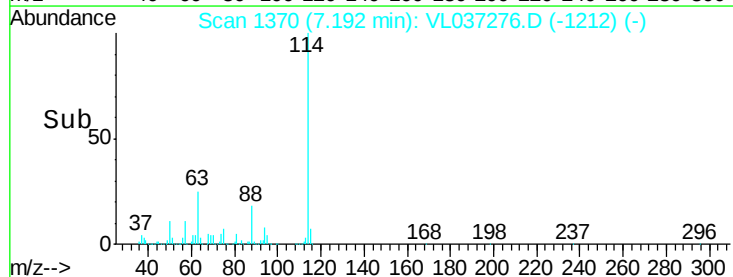
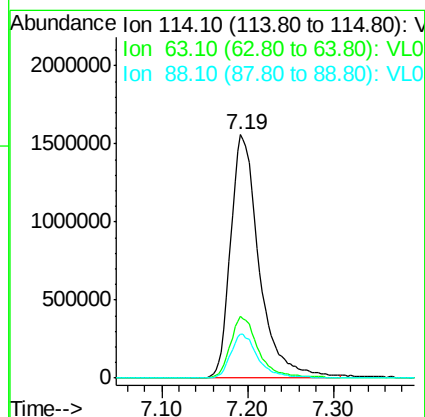
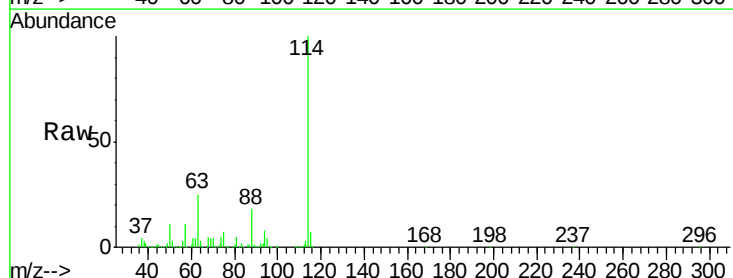
Instrument :
MSVOA_L
ClientSampleId :
QC063021 CAN 10197

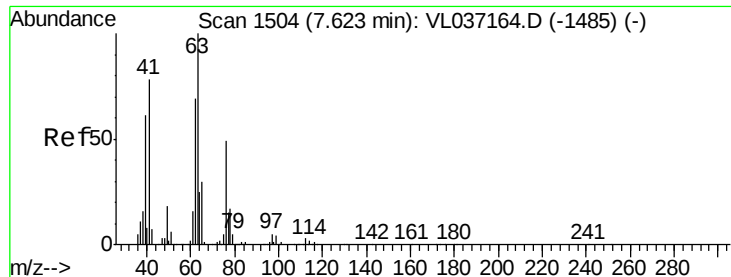
Tgt Ion: 84 Resp: 5199
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 69.0 103.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL037276.D
Acq: 2 Jul 2021 15:49

Tgt Ion: 114 Resp: 3602152
Ion Ratio Lower Upper
114 100
63 25.1 19.6 29.4
88 17.8 14.2 21.2





#39

1,2-Dichloropropane

Concen: 8.197 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.43 min

Lab File: VL037276.D

Acq: 2 Jul 2021 15:49

Instrument :

MSVOA_L

ClientSampleId :

QC063021 CAN 10197

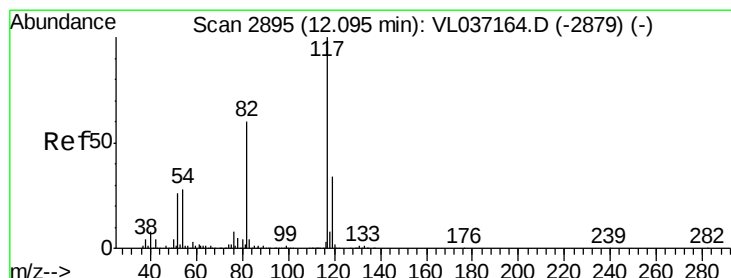
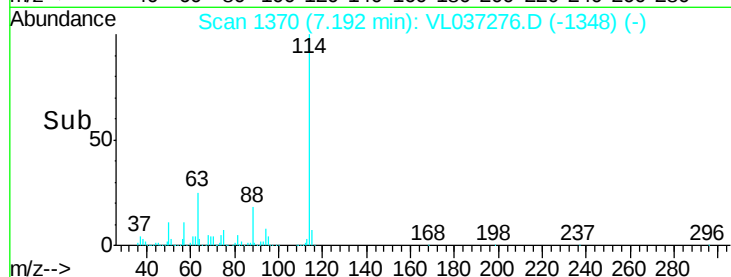
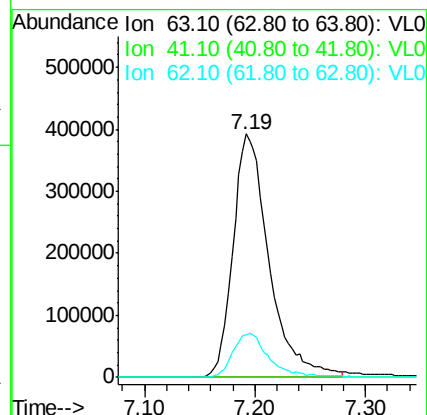
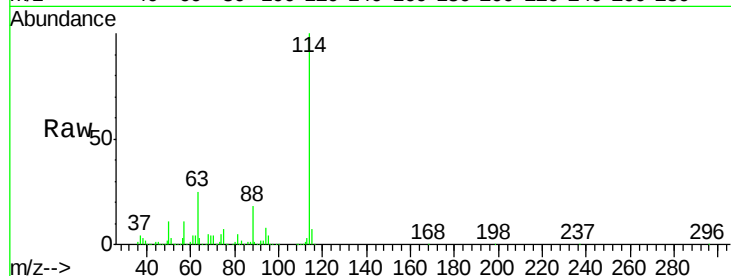
Tgt Ion: 63 Resp: 887209

Ion Ratio Lower Upper

63 100

41 0.1 62.0 93.0#

62 17.7 54.9 82.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.01 min

Lab File: VL037276.D

Acq: 2 Jul 2021 15:49

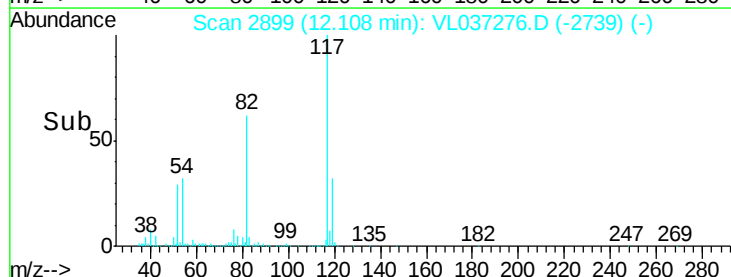
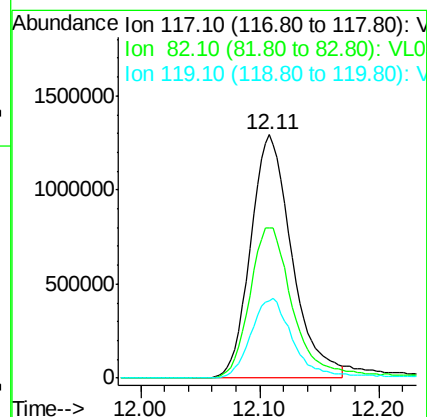
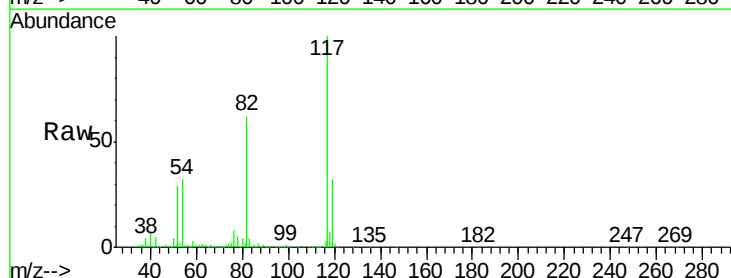
Tgt Ion: 117 Resp: 3110428

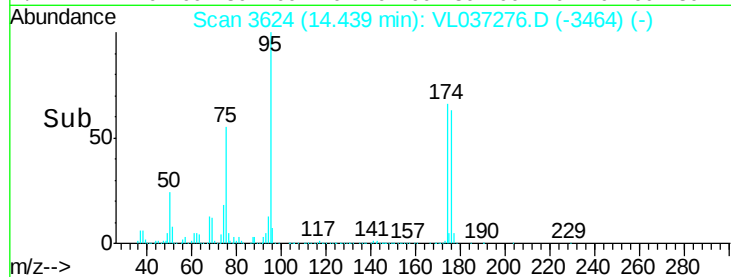
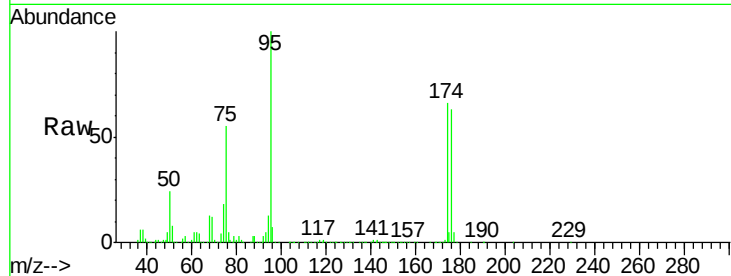
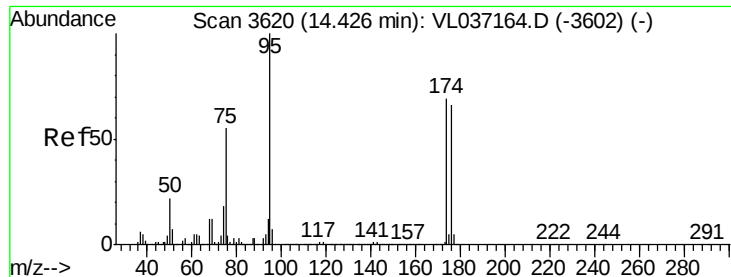
Ion Ratio Lower Upper

117 100

82 67.2 51.7 77.5

119 35.5 47.6 71.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.012 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL037276.D

Acq: 2 Jul 2021 15:49

Instrument :

MSVOA_L

ClientSampleId :

QC063021 CAN 10197

Tgt Ion: 95 Resp: 2359747

Ion Ratio Lower Upper

95 100

174 74.6 57.0 85.4

175 5.3 4.4 6.6

