

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037873.D
 Acq On : 19 Oct 2021 4:05
 Operator : SY/AP
 Sample : QC101221 CAN 10605
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101221 CAN 10605

Quant Time: Oct 19 08:36:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1132254	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3312103	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2789889	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1974165	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

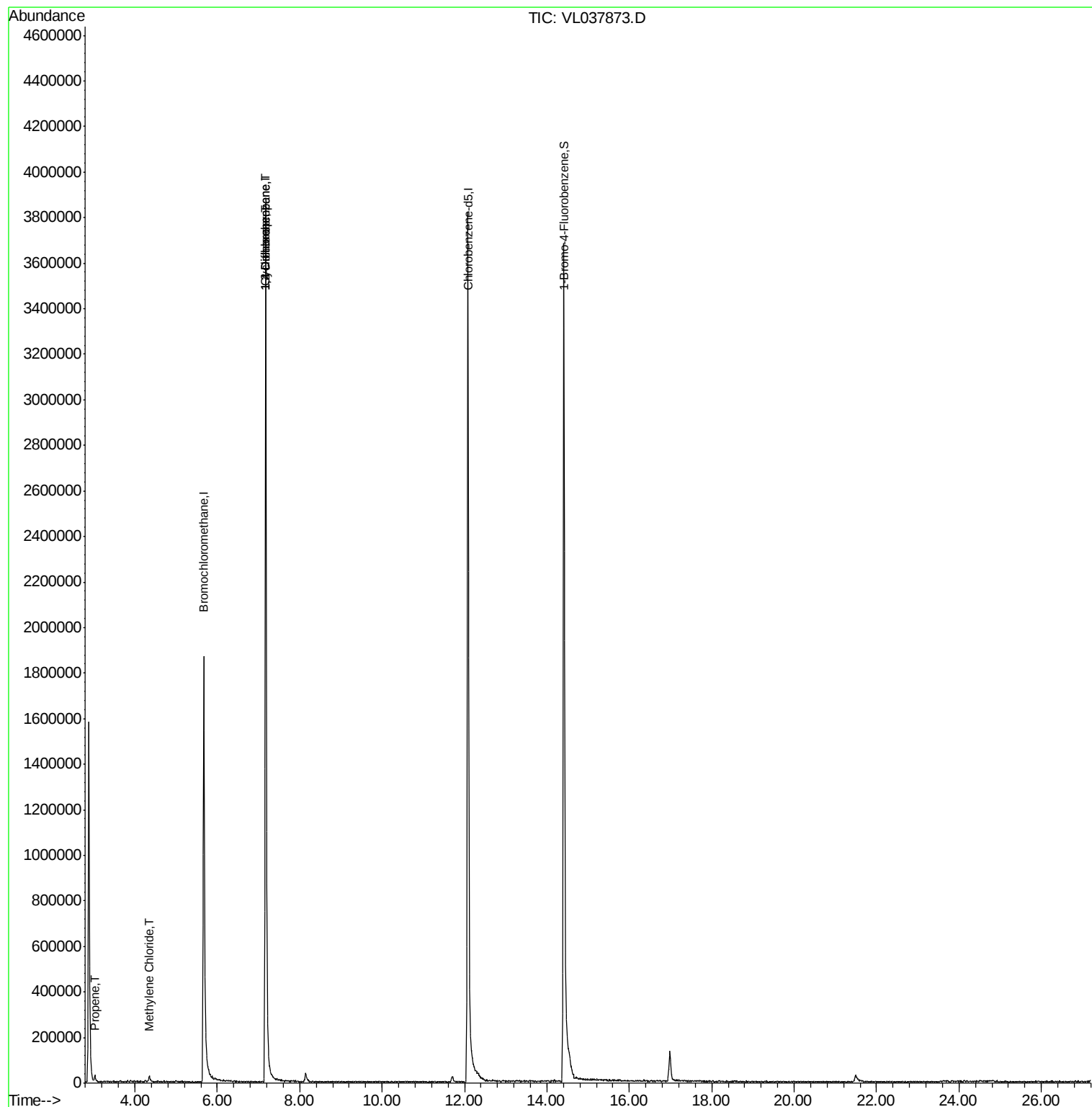
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	8756	0.109	ppbv	84
20) Methylene Chloride	4.34	84	4743	0.092	ppbv #	60
30) Cyclohexane	7.16	84	6097	0.051	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	776434	7.297	ppbv #	29

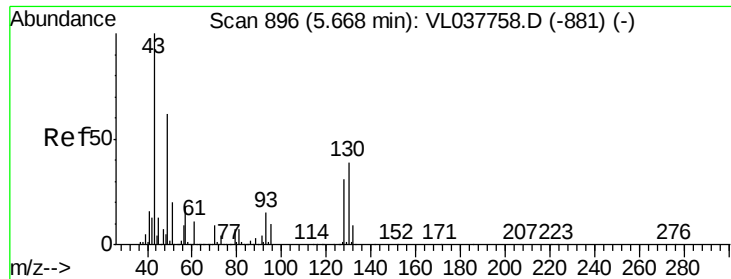
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Oct 2021 4:05

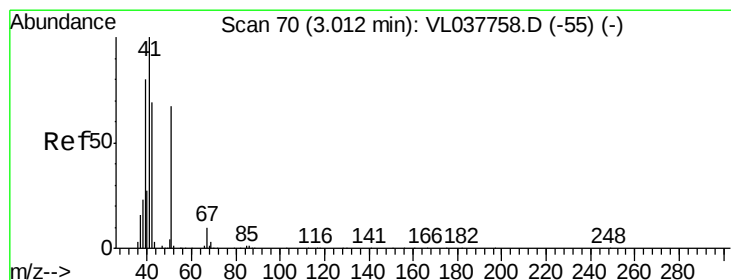
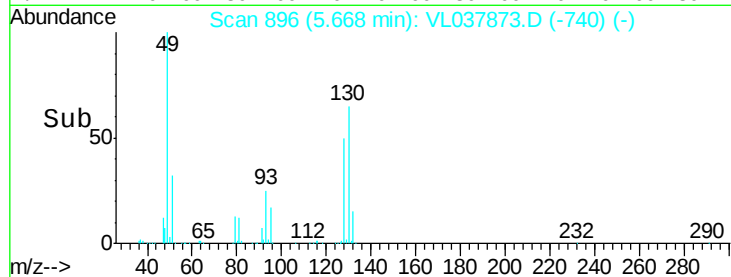
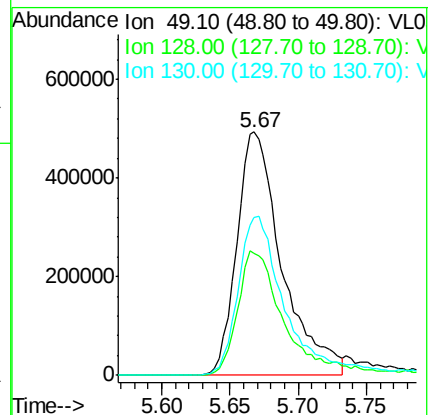
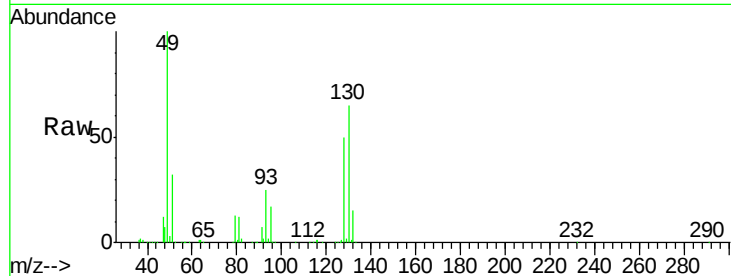
Tgt Ion: 49 Resp: 1132254

Ion Ratio Lower Upper

49 100

128 55.2 27.1 81.3

130 71.1 33.2 99.6



#9

Propene

Concen: 0.109 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL037873.D

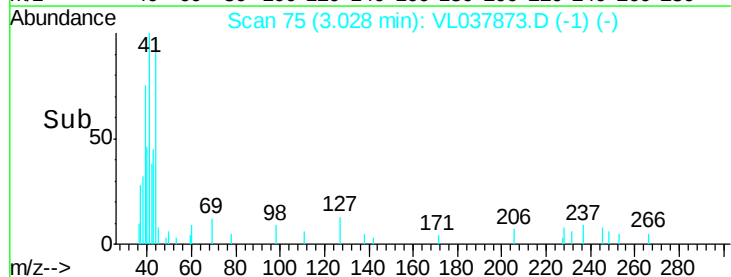
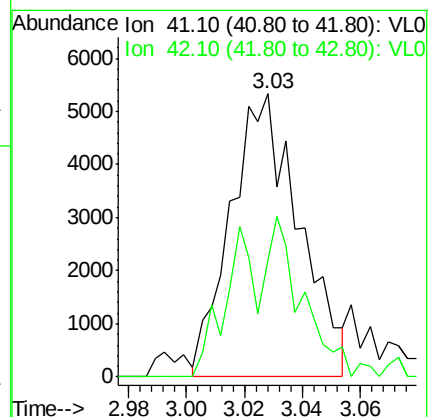
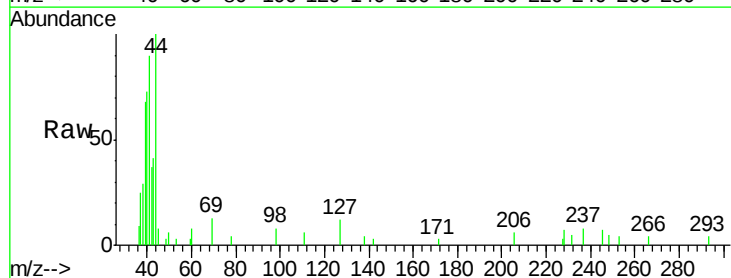
Acq: 19 Oct 2021 4:05

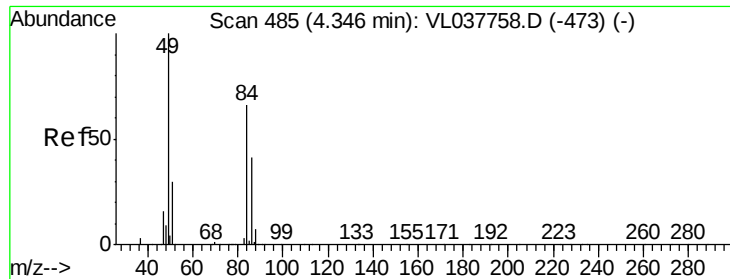
Tgt Ion: 41 Resp: 8756

Ion Ratio Lower Upper

41 100

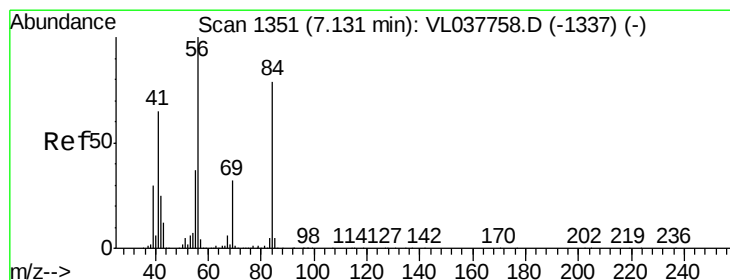
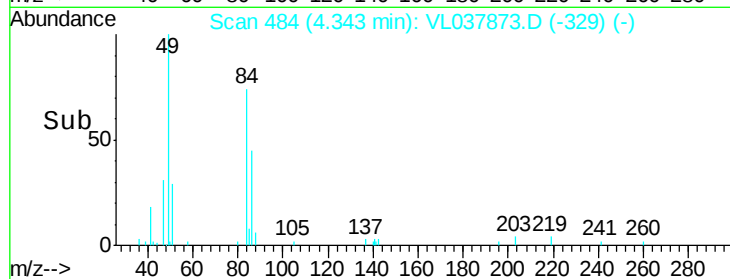
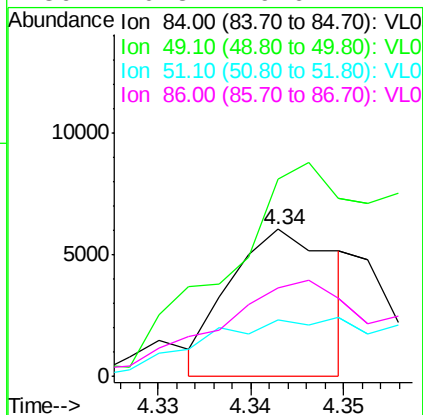
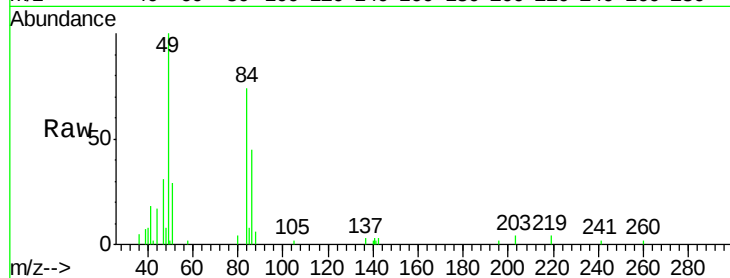
42 54.8 54.2 81.2





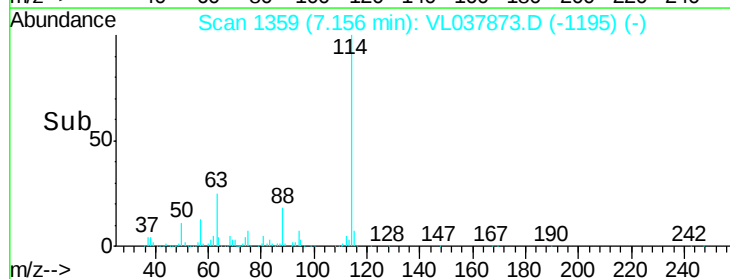
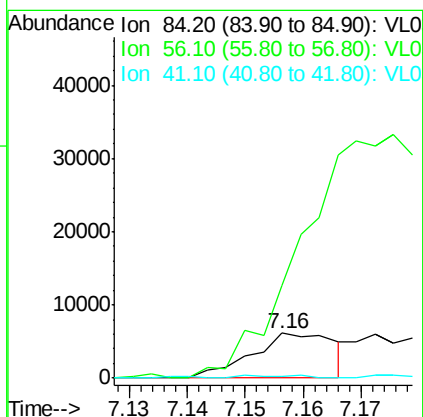
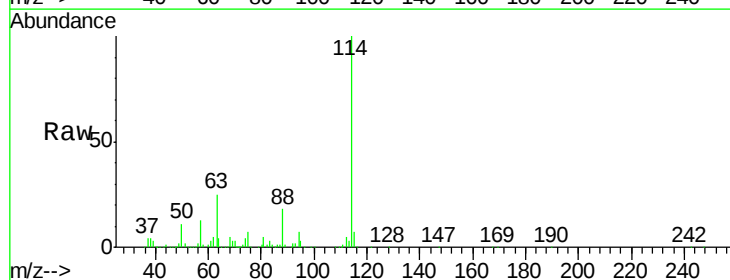
#20
Methylene Chloride
Concen: 0.092 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Oct 2021 4:05
QC101221 CAN 10605

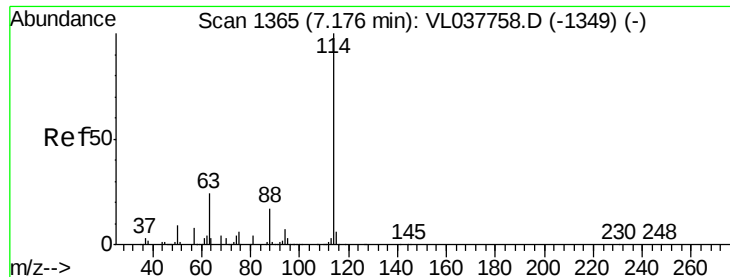
Tgt Ion: 84 Resp: 4743
Ion Ratio Lower Upper
84 100
49 90.3 120.7 181.1#
51 25.1 36.2 54.4#
86 40.3 49.6 74.4#



#30
Cyclohexane
Concen: 0.051 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.03 min
Lab File: VL037873.D
Acq: 19 Oct 2021 4:05

Tgt Ion: 84 Resp: 6097
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 5.2 69.1 103.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 4:05

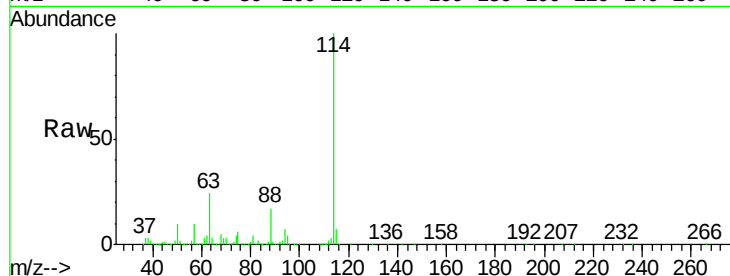
Tgt Ion: 114 Resp: 3312103

Ion Ratio Lower Upper

114 100

63 24.4 19.4 29.2

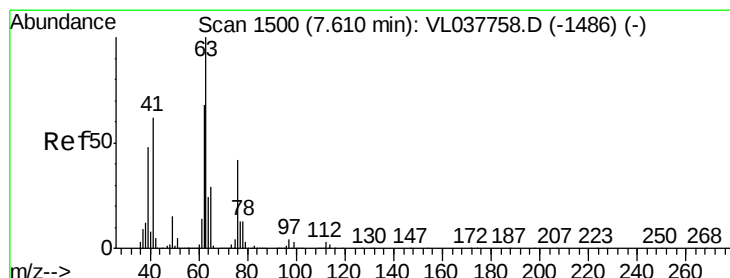
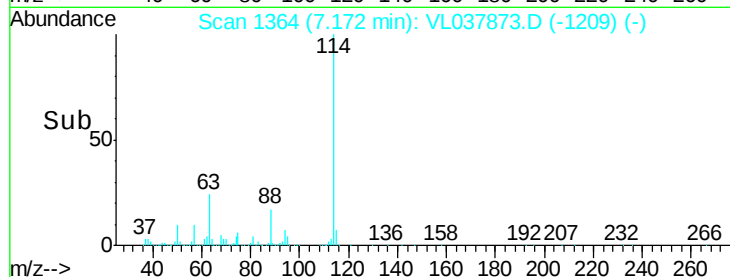
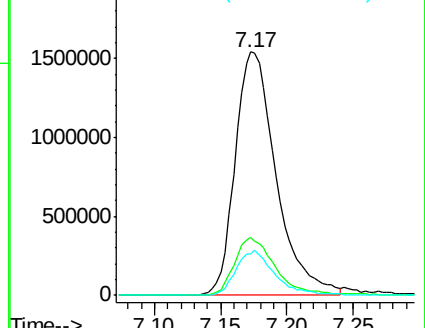
88 17.8 14.4 21.6



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: 7.297 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL037873.D

Acq: 19 Oct 2021 4:05

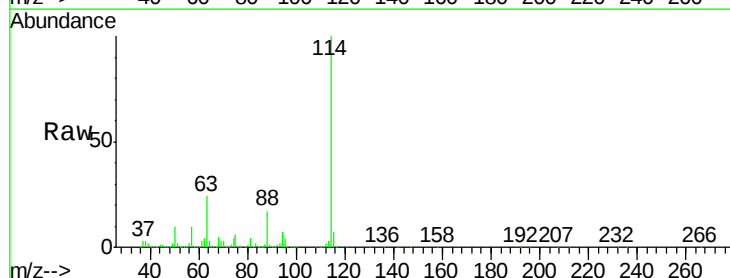
Tgt Ion: 63 Resp: 776434

Ion Ratio Lower Upper

63 100

41 0.1 49.8 74.6#

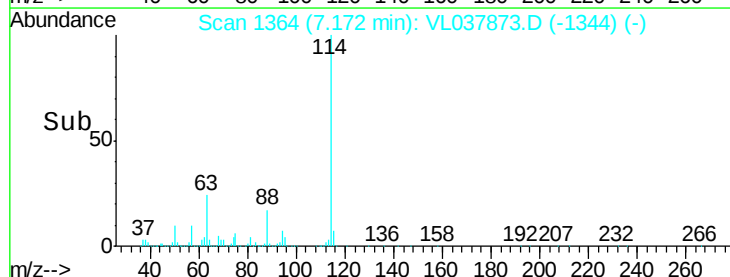
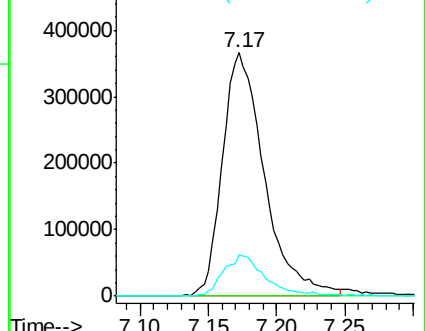
62 17.3 54.6 82.0#

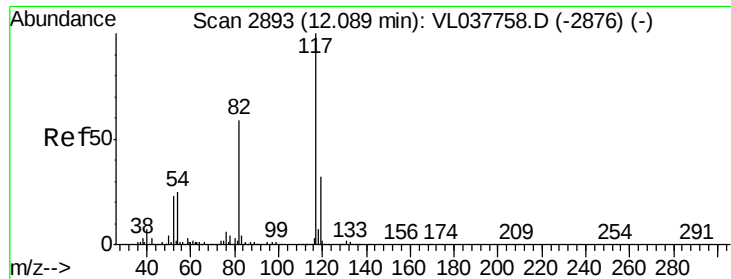


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

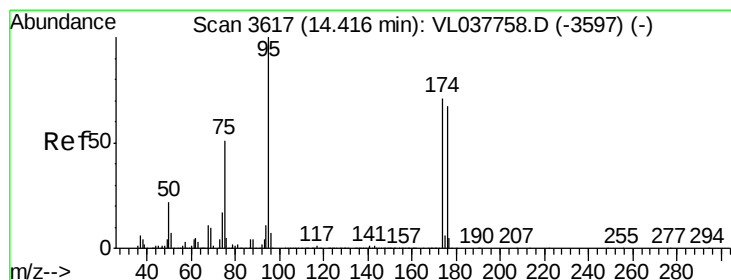
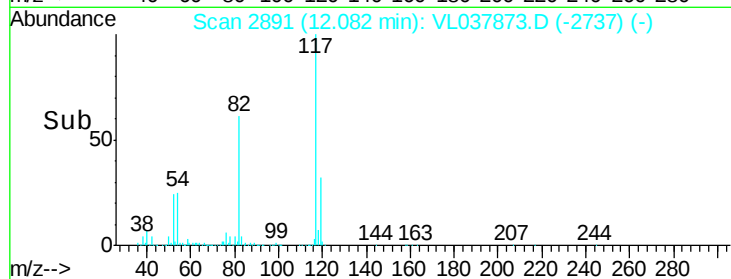
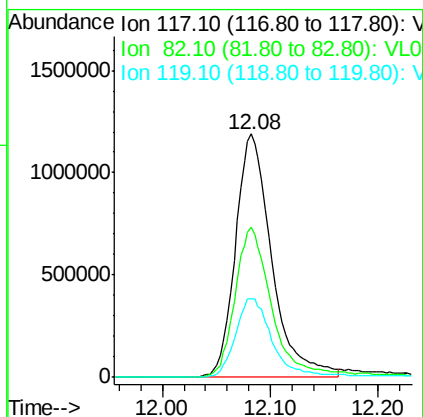
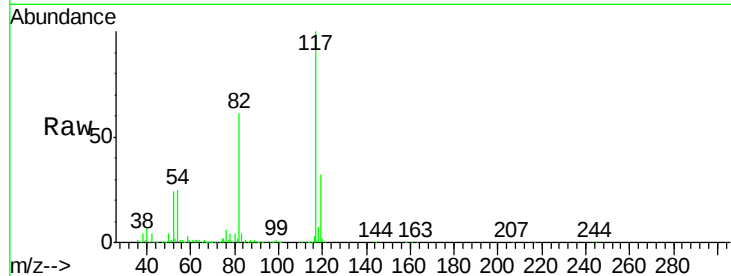




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: QC101221 CAN 10605
 Acq: 19 Oct 2021 4:05

Tgt Ion: 117 Resp: 2789889

Ion	Ratio	Lower	Upper
117	100		
82	64.9	52.2	78.2
119	34.3	26.0	39.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.119 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: -0.01 min
 Lab File: VL037873.D
 Acq: 19 Oct 2021 4:05

Tgt Ion: 95 Resp: 1974165

Ion	Ratio	Lower	Upper
95	100		
174	74.9	57.8	86.6
175	5.5	4.7	7.1

