

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037872.D
 Acq On : 19 Oct 2021 3:27
 Operator : SY/AP
 Sample : CAN 10602
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101221 CAN 10605

Quant Time: Oct 19 08:36:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1153534	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3410440	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2818985	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1907766	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

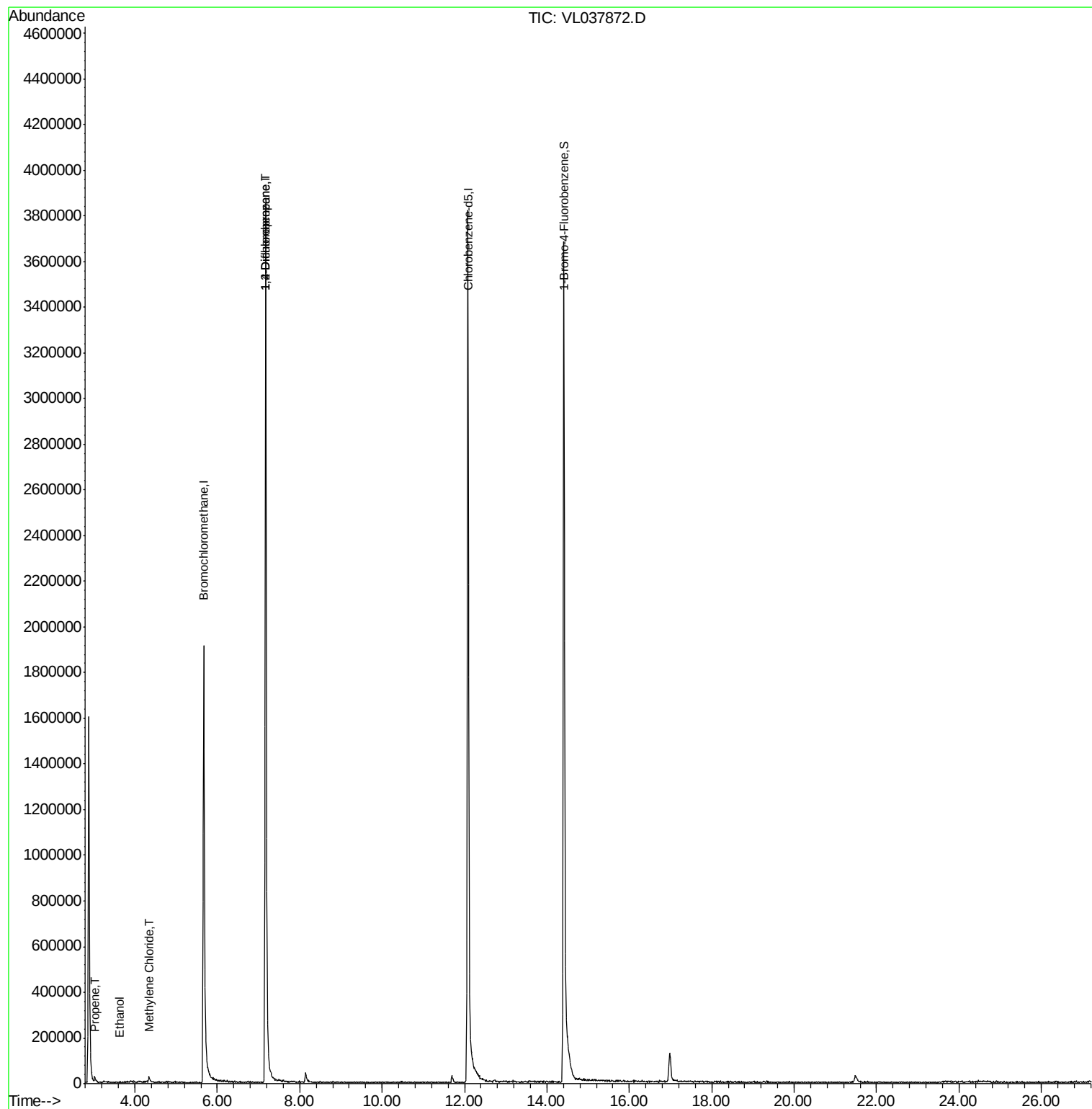
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	5258	0.064	ppbv #	57
13) Ethanol	3.62	45	293	0.044	ppbv #	27
20) Methylene Chloride	4.34	84	3473	0.066	ppbv #	59
39) 1,2-Dichloropropane	7.18	63	786252	7.176	ppbv #	26

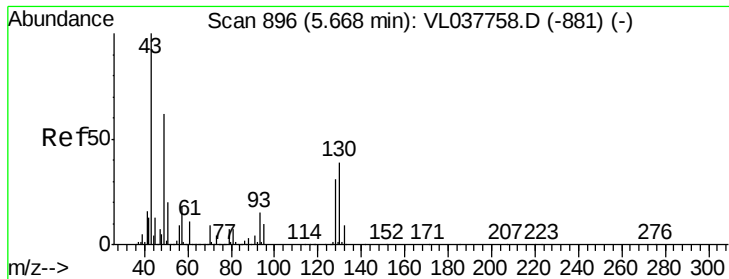
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId : QC101221 CAN 10605

Acq: 19 Oct 2021 3:27

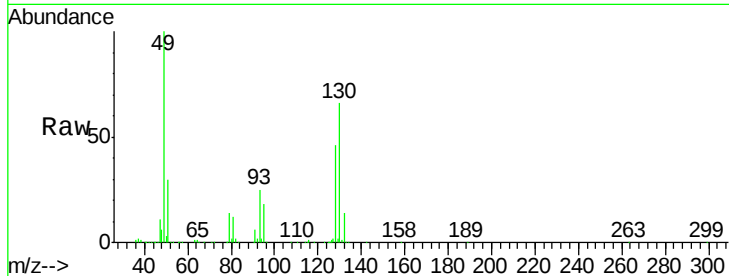
Tgt Ion: 49 Resp: 1153534

Ion Ratio Lower Upper

49 100

128 54.2 27.1 81.3

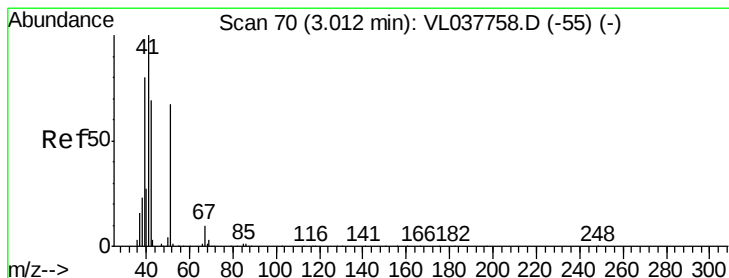
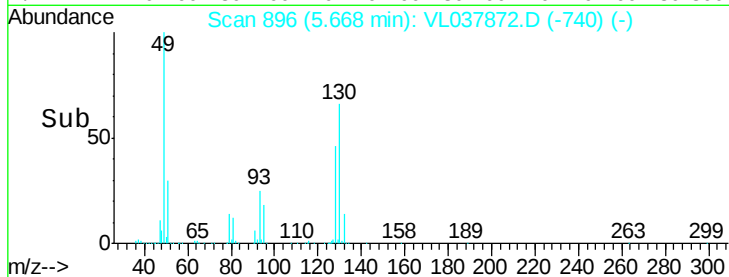
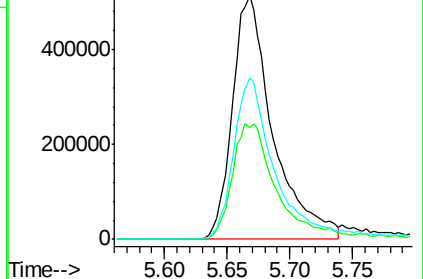
130 69.8 33.2 99.6



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



#9

Propene

Concen: 0.064 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037872.D

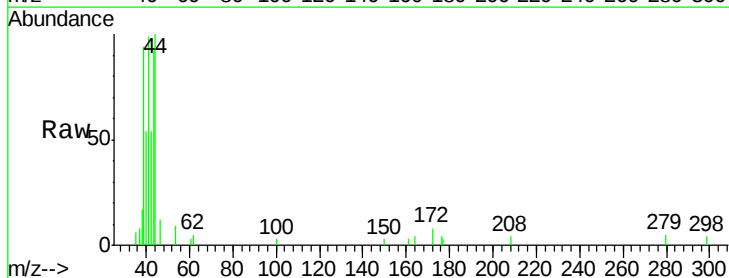
Acq: 19 Oct 2021 3:27

Tgt Ion: 41 Resp: 5258

Ion Ratio Lower Upper

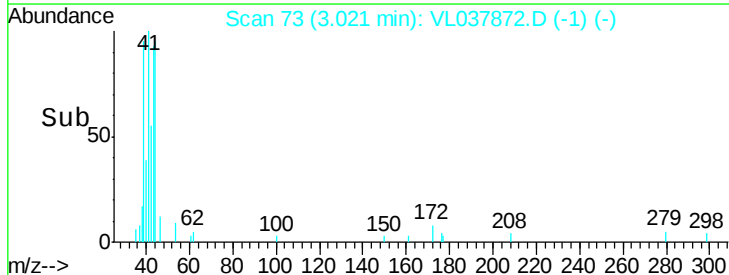
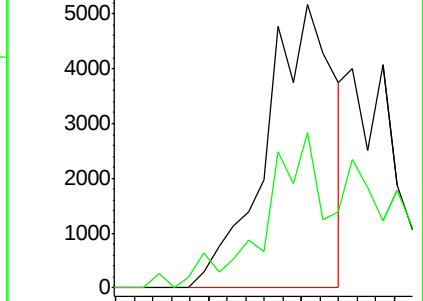
41 100

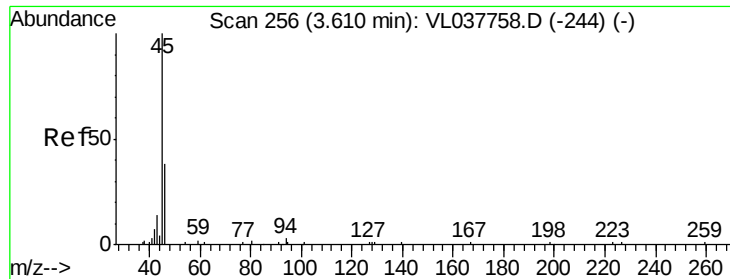
42 102.5 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.044 ppbv

RT: 3.62 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: QC101221 CAN 10605

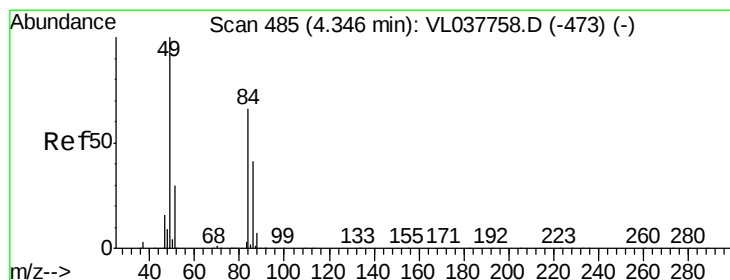
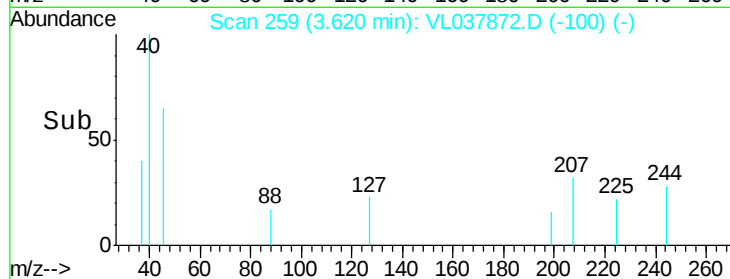
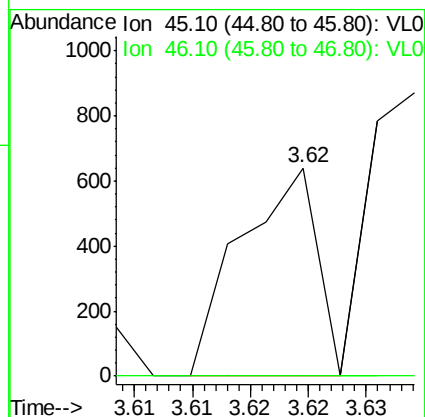
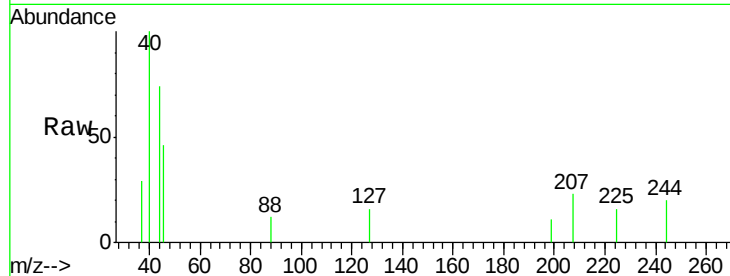
Acq: 19 Oct 2021 3:27

Tgt Ion: 45 Resp: 293

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#20

Methylene Chloride

Concen: 0.066 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037872.D

Acq: 19 Oct 2021 3:27

Tgt Ion: 84 Resp: 3473

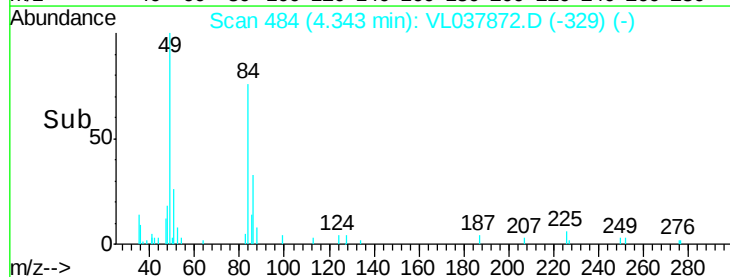
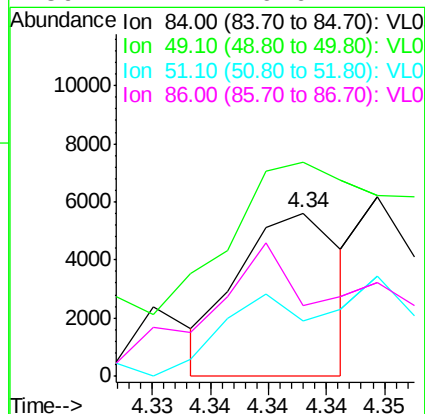
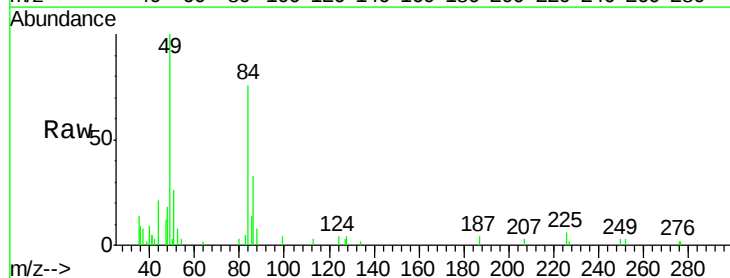
Ion Ratio Lower Upper

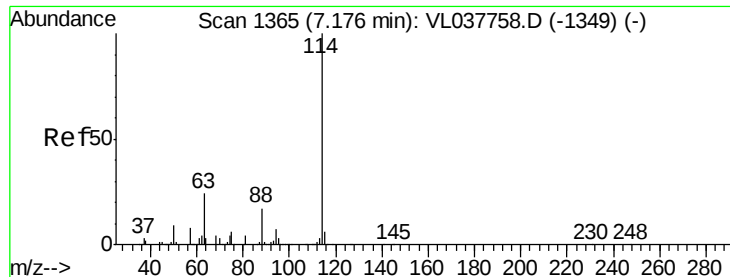
84 100

49 95.4 120.7 181.1#

51 33.7 36.2 54.4#

86 22.4 49.6 74.4#

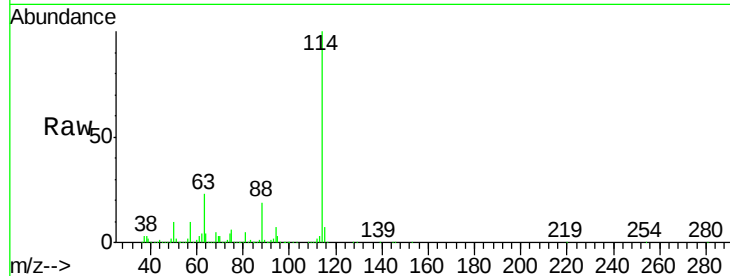




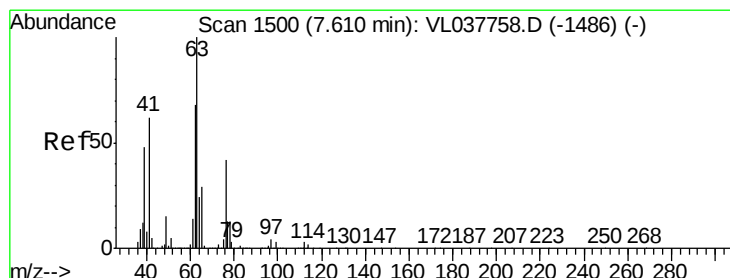
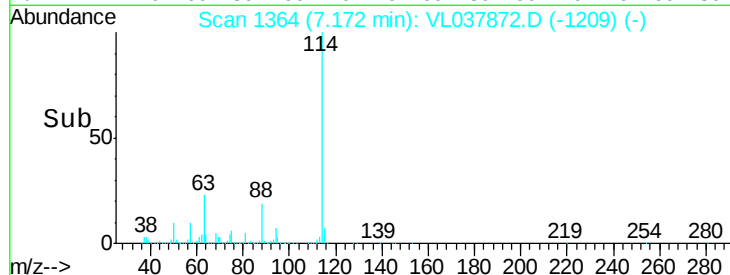
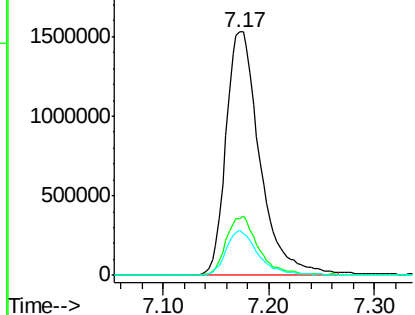
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Oct 2021 3:27

Tgt Ion: 114 Resp: 3410440

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.2
88	17.7	14.4	21.6



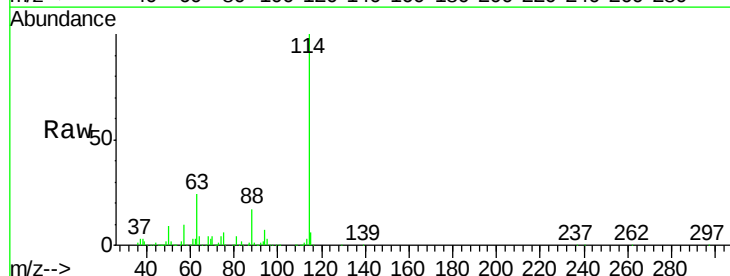
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



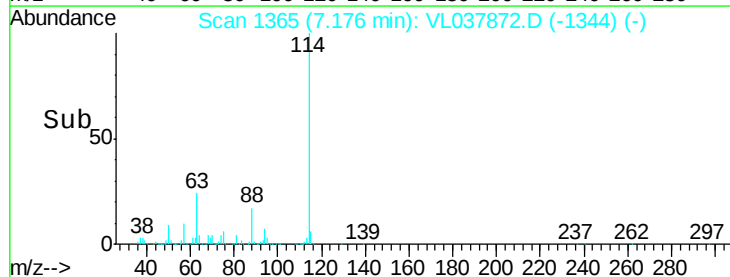
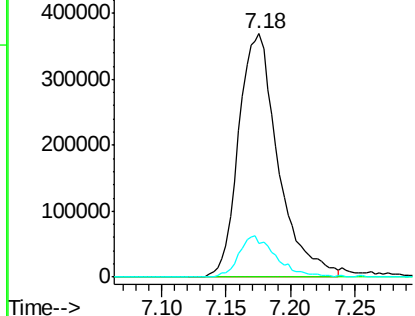
#39
 1,2-Dichloropropane
 Concen: 7.176 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL037872.D
 Acq: 19 Oct 2021 3:27

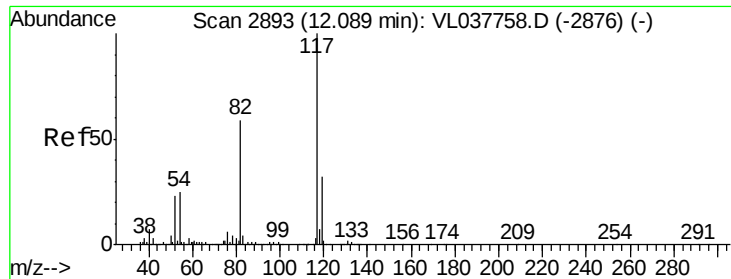
Tgt Ion: 63 Resp: 786252

Ion	Ratio	Lower	Upper
63	100		
41	0.2	49.8	74.6#
62	13.8	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

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 3:27

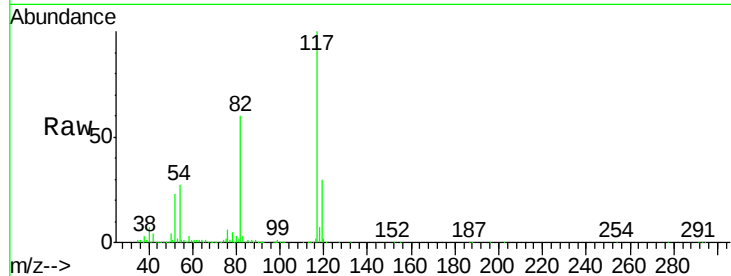
Tgt Ion: 117 Resp: 2818985

Ion Ratio Lower Upper

117 100

82 63.4 52.2 78.2

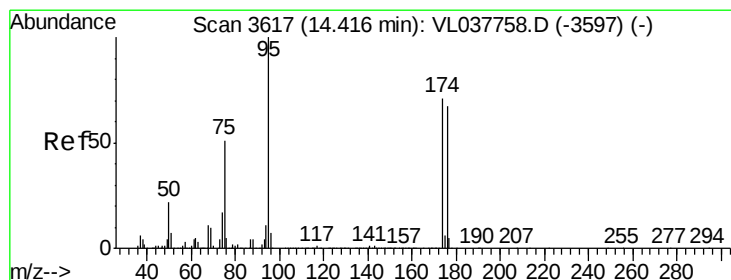
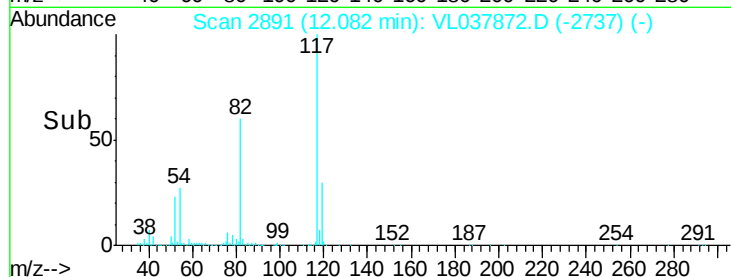
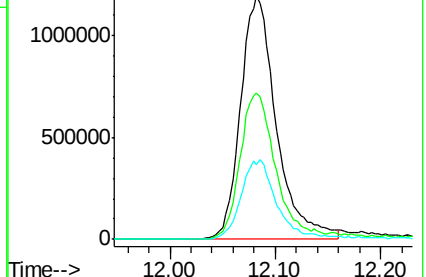
119 34.2 26.0 39.0



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: 9.678 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL037872.D

Acq: 19 Oct 2021 3:27

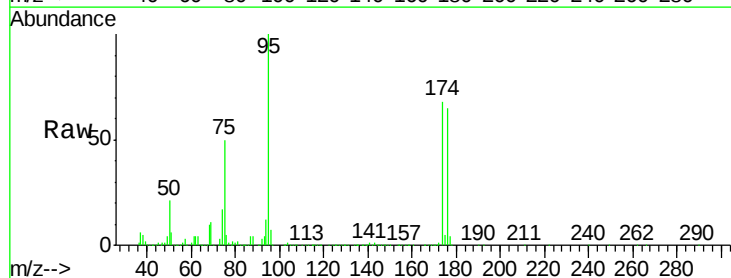
Tgt Ion: 95 Resp: 1907766

Ion Ratio Lower Upper

95 100

174 78.3 57.8 86.6

175 5.7 4.7 7.1



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

