

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038917.D
 Acq On : 14 Apr 2022 14:20
 Operator : SY/AP
 Sample : VL0414ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:05:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1285244	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2970713	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2522467	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2080556	10.87	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

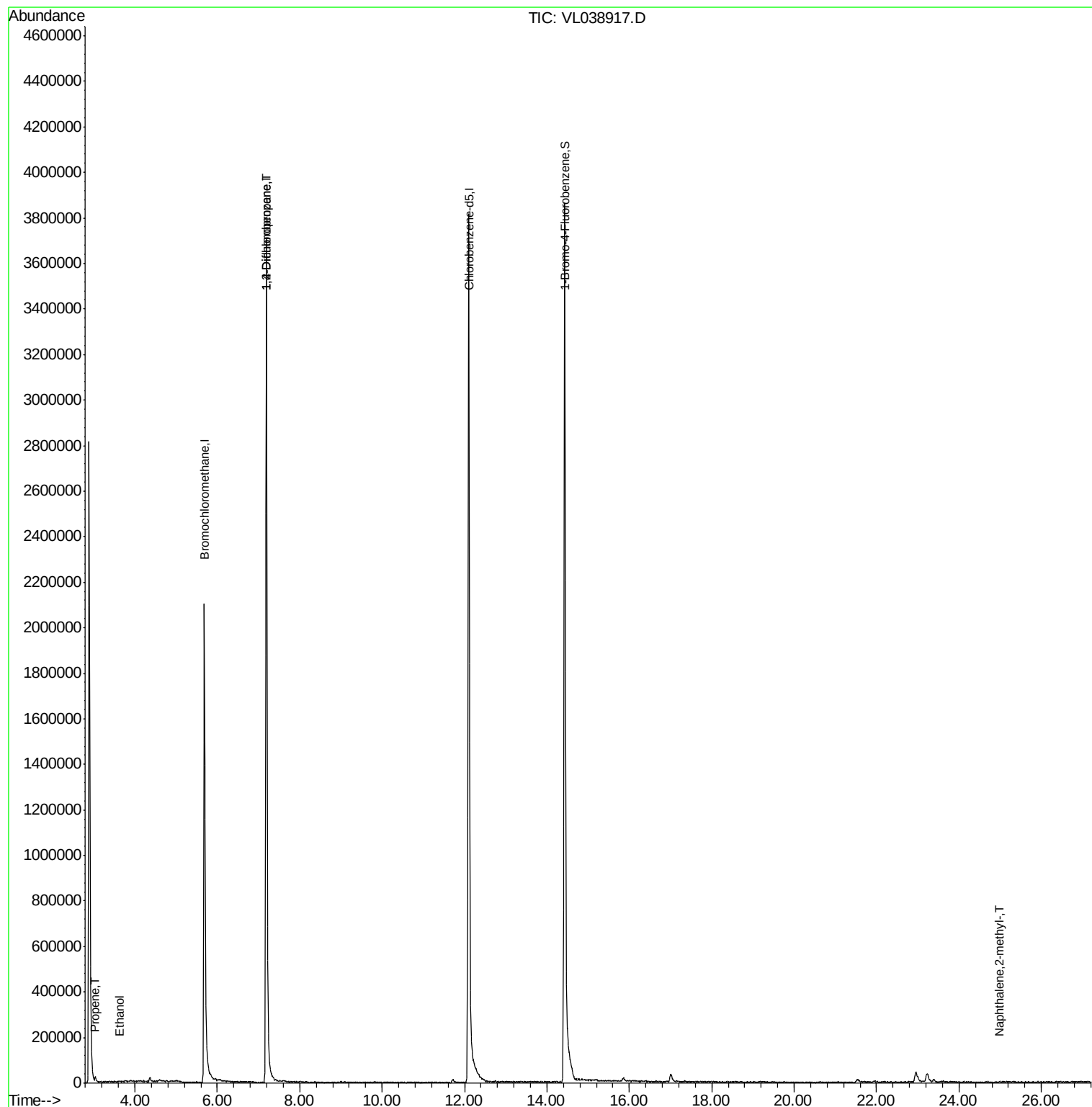
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	3003	0.036	ppbv #	16
13) Ethanol	3.64	45	433	0.086	ppbv #	100
39) 1,2-Dichloropropane	7.19	63	820697	7.940	ppbv #	28
80) Naphthalene,2-methyl-	24.99	142	2406	0.039	ppbv #	59

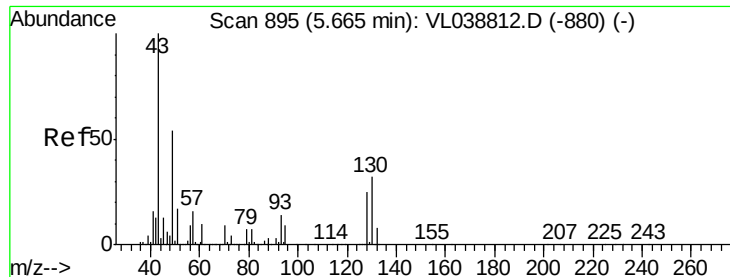
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 14:20

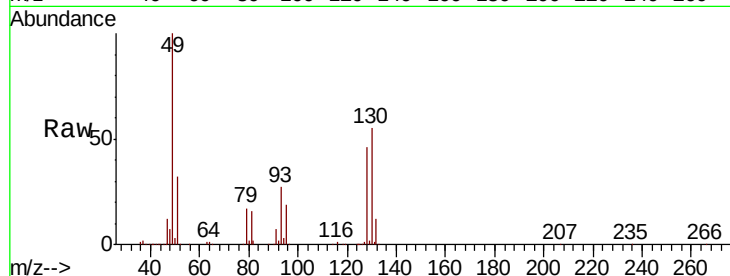
Tot Ion: 49 Resp: 1285244

Ion Ratio Lower Upper

49 100

128 46.2 24.1 72.3

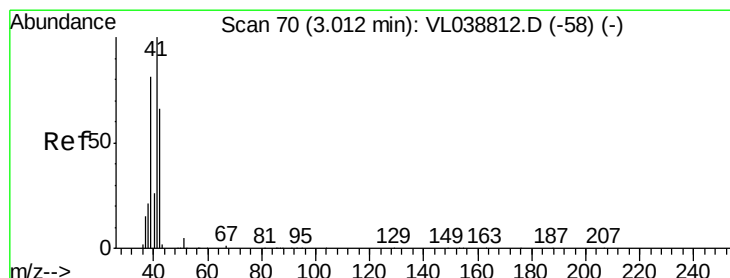
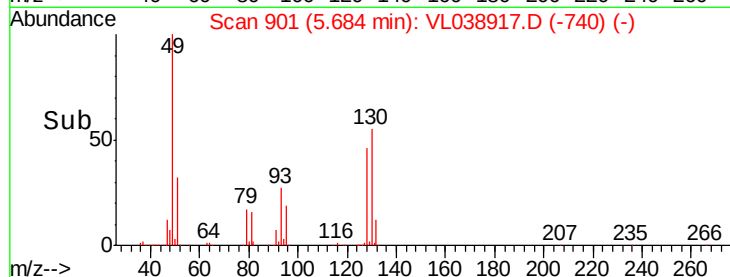
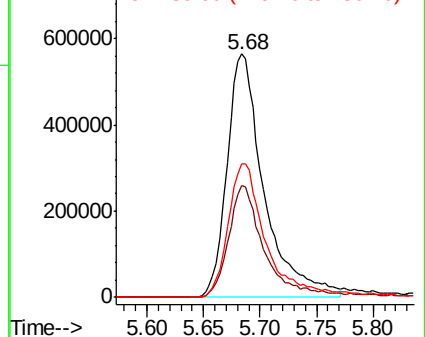
130 58.9 30.9 92.8



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



#9

Propene

Concen: 0.036 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL038917.D

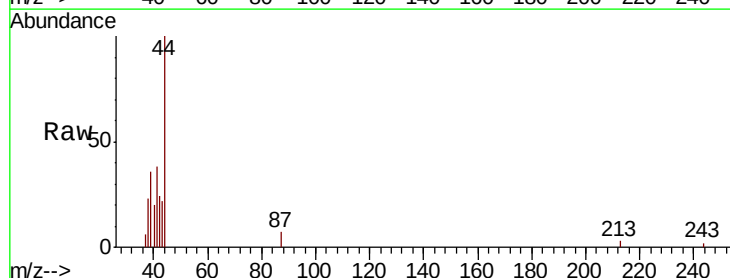
Acq: 14 Apr 2022 14:20

Tgt Ion: 41 Resp: 3003

Ion Ratio Lower Upper

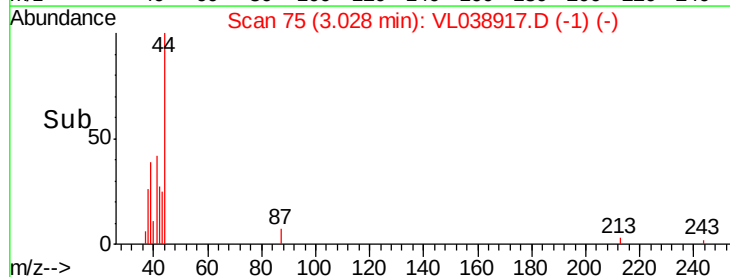
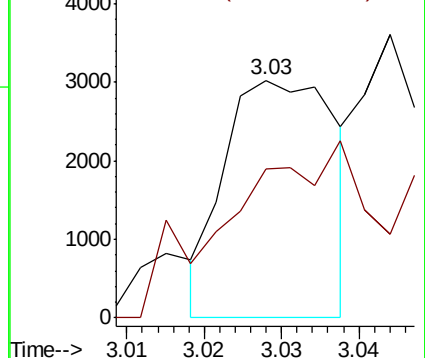
41 100

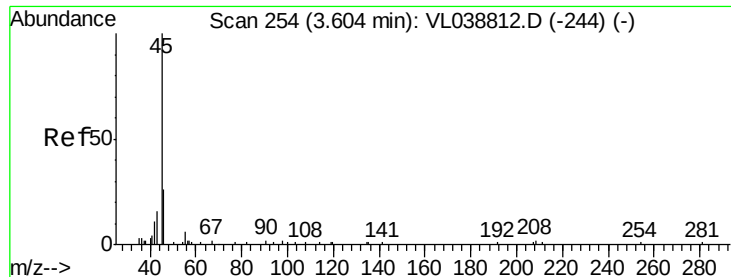
42 0.0 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

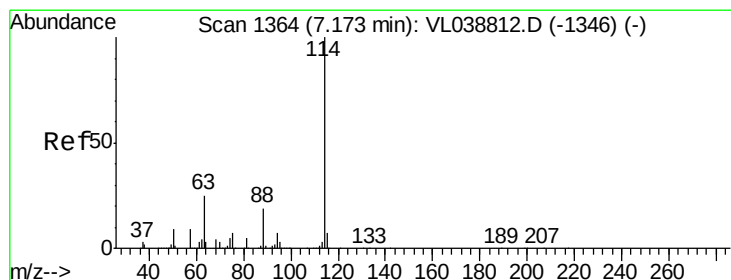
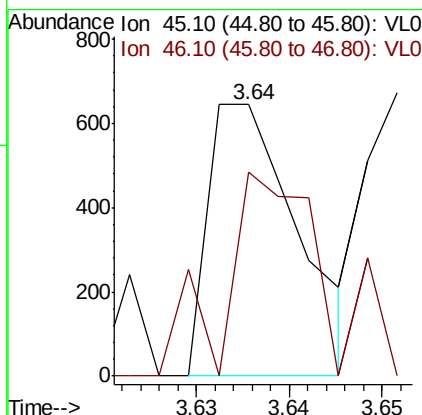
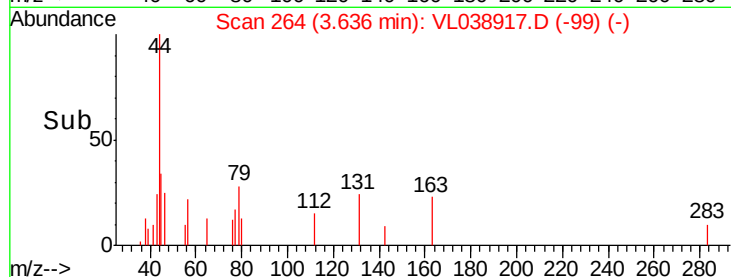
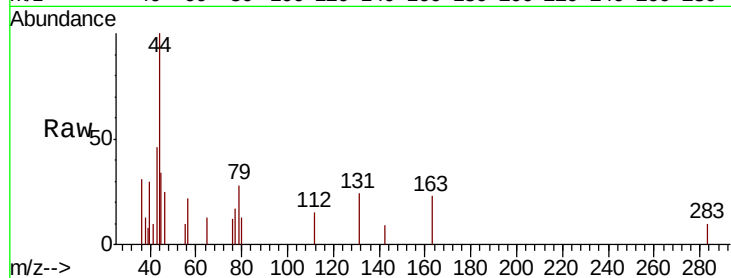
Ion 42.10 (41.80 to 42.80): VL0





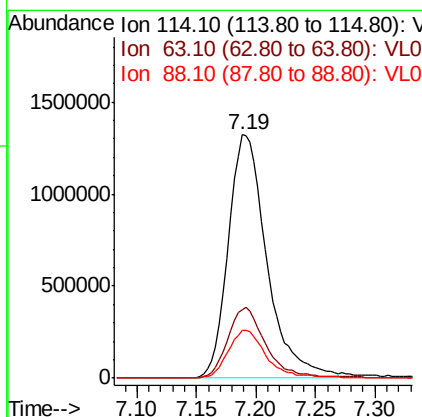
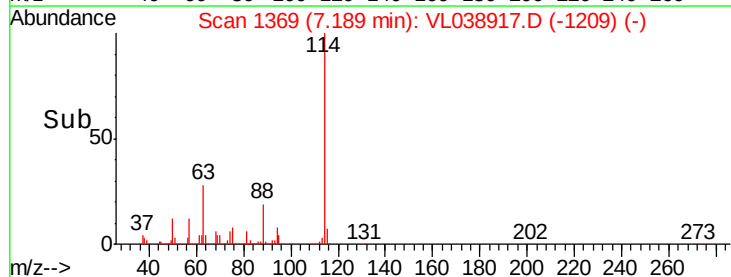
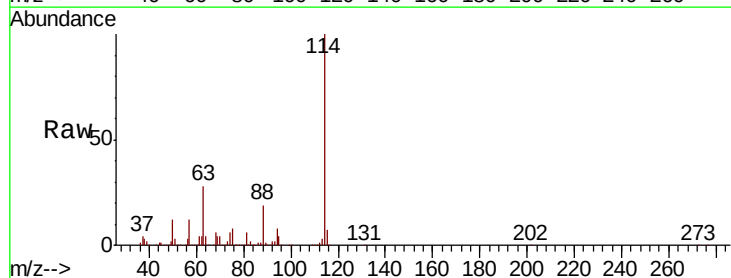
#13
 Ethanol
 Concen: 0.086 ppbv
 RT: 3.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 14:20

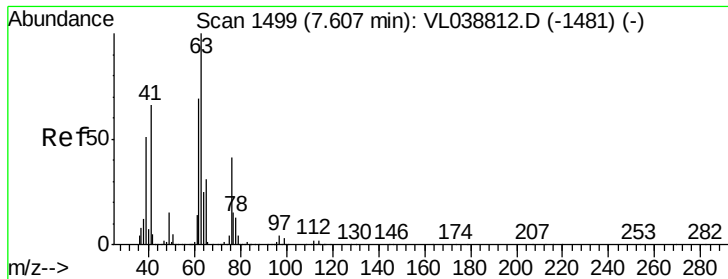
Tot Ion: 45 Resp: 433
 Ion Ratio Lower Upper
 45 100
 46 83.4 0.0 0.0#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL038917.D
 Acq: 14 Apr 2022 14:20

Tgt Ion: 114 Resp: 2970713
 Ion Ratio Lower Upper
 114 100
 63 29.1 19.8 29.8
 88 19.6 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.940 ppbv

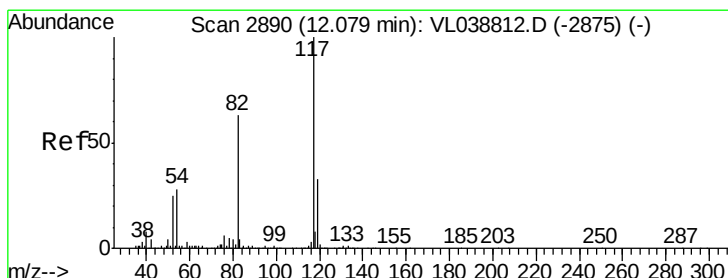
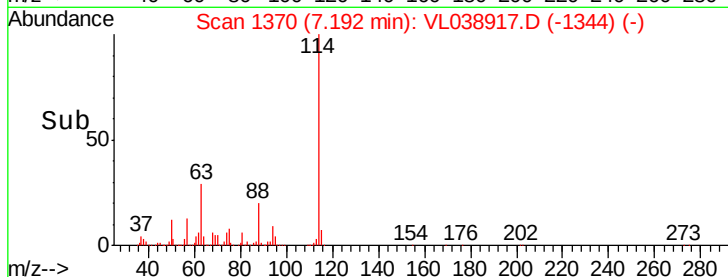
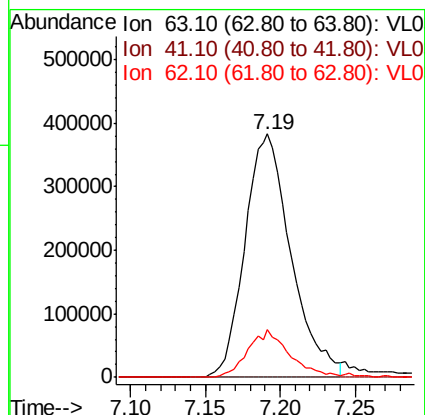
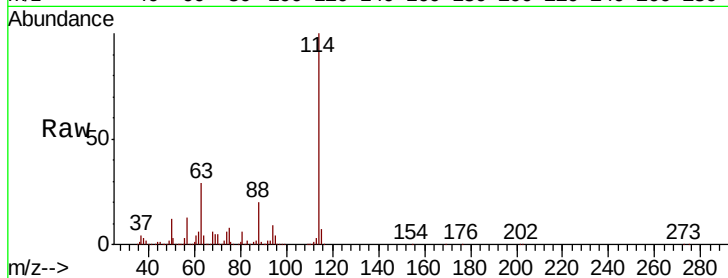
RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 14:20

Tot Ion:	63	Resp:	820697
Ion	Ratio	Lower	Upper
63	100		
41	0.1	53.0	79.6#
62	19.6	55.0	82.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

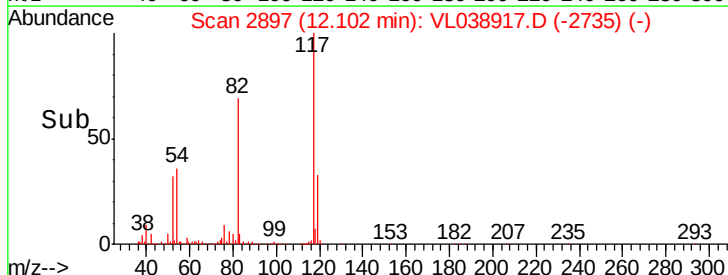
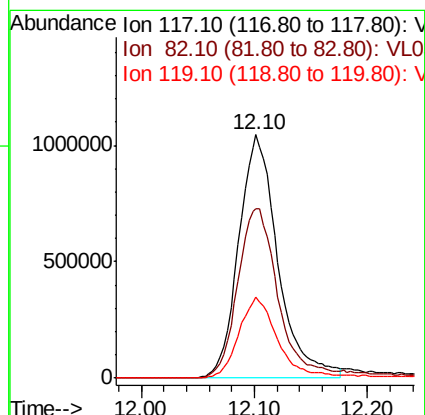
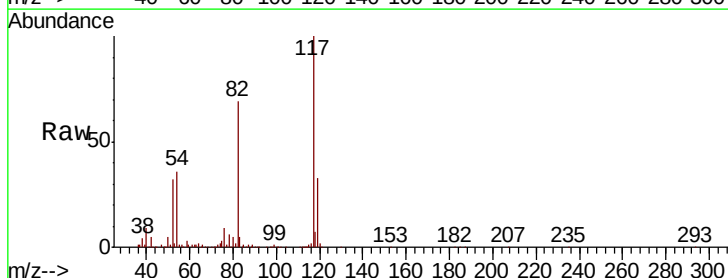
RT: 12.10 min Scan# 2897

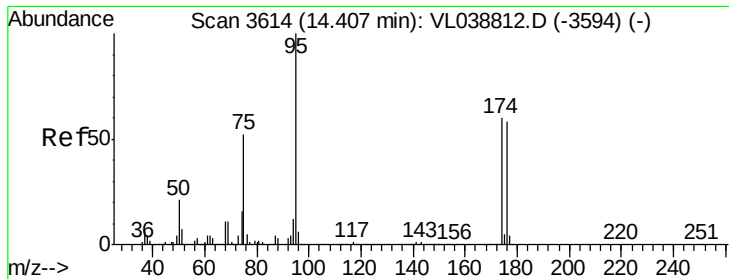
Delta R.T. 0.02 min

Lab File: VL038917.D

Acq: 14 Apr 2022 14:20

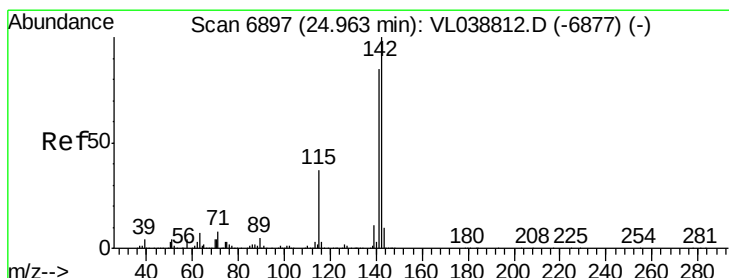
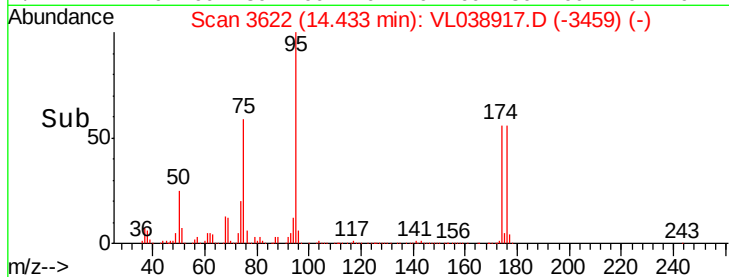
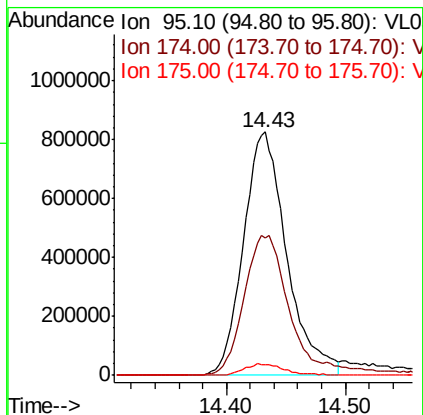
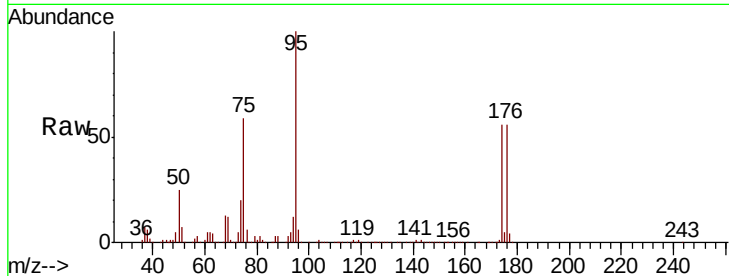
Tgt Ion:	117	Resp:	2522467
Ion	Ratio	Lower	Upper
117	100		
82	77.9	53.0	79.6
119	34.6	24.9	37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.874 ppbv
 RT: 14.43 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 14:20

Tot Ion: 95 Resp: 2080556
 Ion Ratio Lower Upper
 95 100
 174 64.2 52.0 78.0
 175 4.5 4.0 6.0



#80
 Naphthalene, 2-methyl-
 Concen: 0.039 ppbv
 RT: 24.99 min Scan# 6904
 Delta R.T. 0.02 min
 Lab File: VL038917.D
 Acq: 14 Apr 2022 14:20

Tgt Ion: 142 Resp: 2406
 Ion Ratio Lower Upper
 142 100
 141 49.2 68.8 103.2#
 115 12.8 31.6 47.4#

