

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038822.D
 Acq On : 5 Apr 2022 23:06
 Operator : SY/AP
 Sample : OC040422 CAN10326
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 06:26:31 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	5.67	49	1383028	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3782047	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3325635	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2514150	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

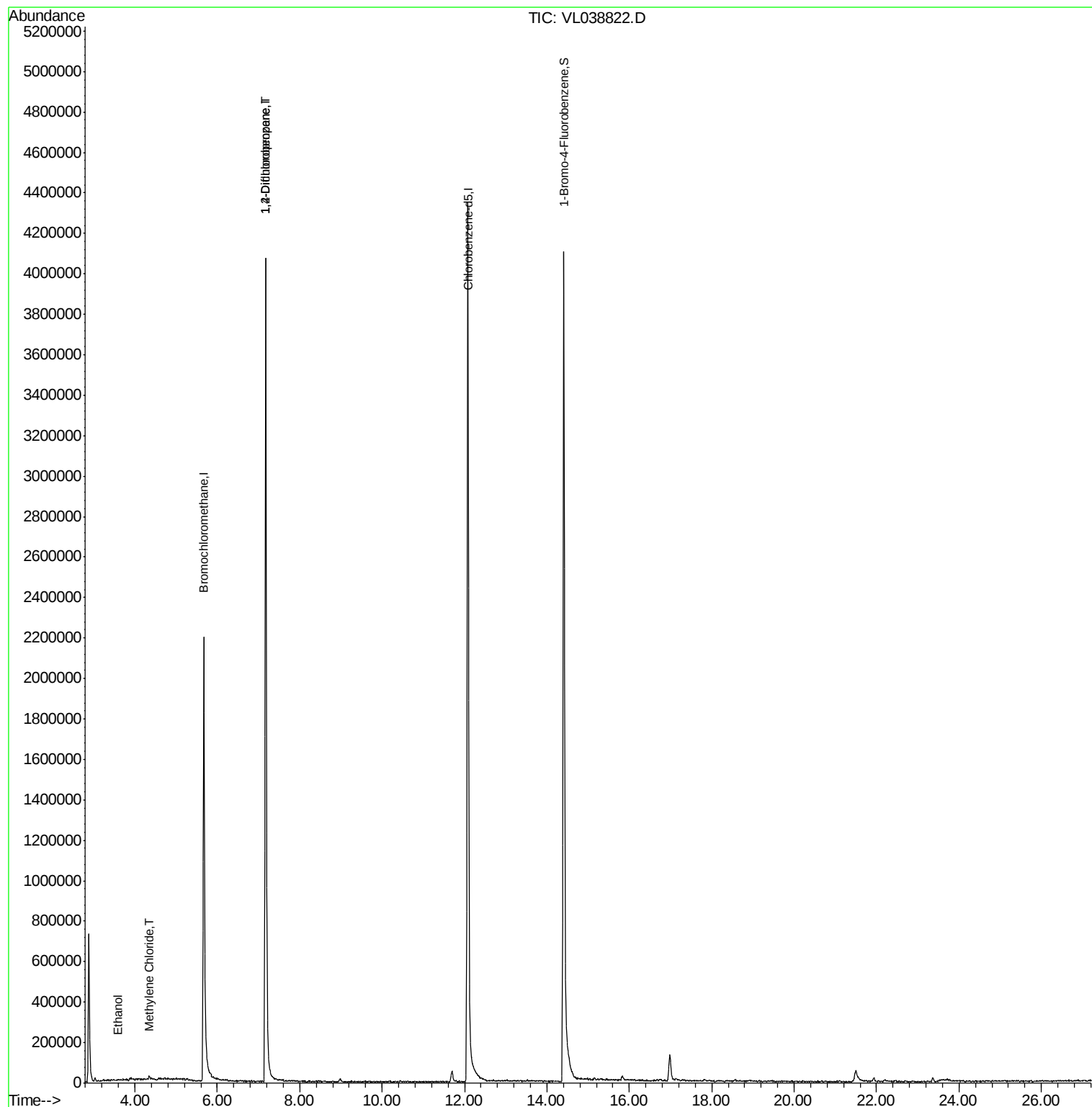
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	351	0.065	ppbv #	100
20) Methylene Chloride	4.34	84	2044	0.041	ppbv #	76
39) 1,2-Dichloropropane	7.17	63	920632	6.996	ppbv #	27

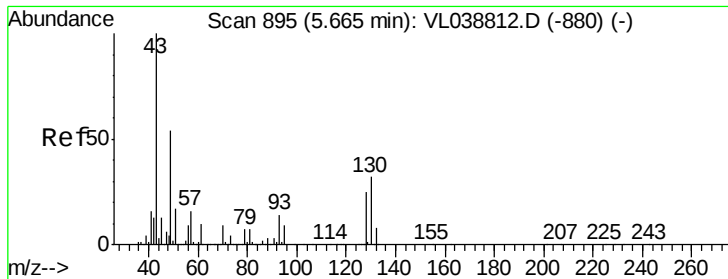
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 23:00

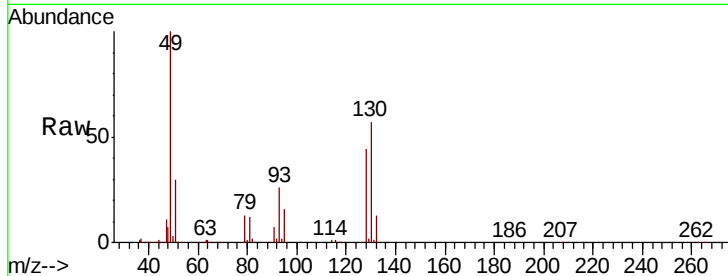
Tot Ion: 49 Resp: 1383028

Ion Ratio Lower Upper

49 100

128 49.0 24.1 72.3

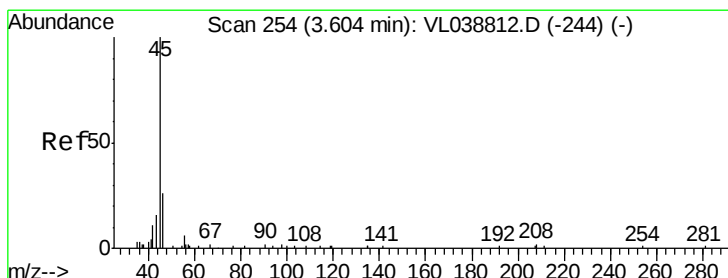
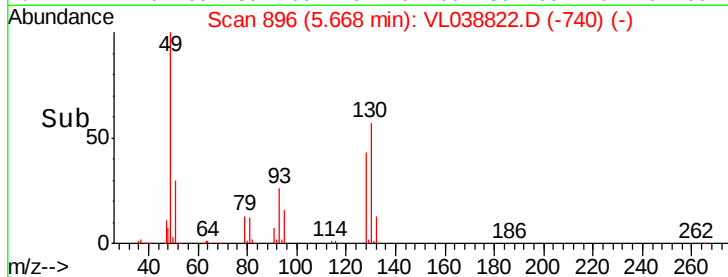
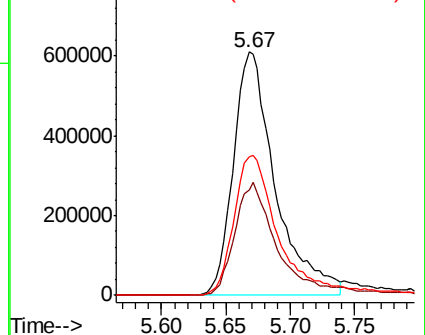
130 62.7 30.9 92.8



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



#13

Ethanol

Concen: 0.065 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL038822.D

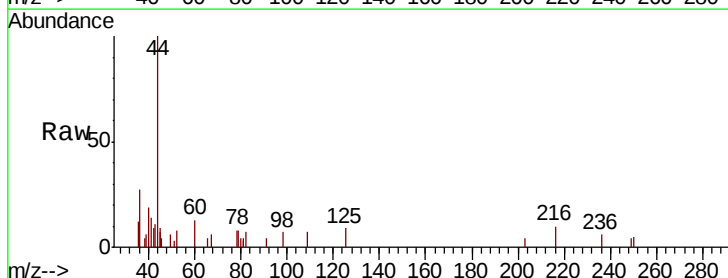
Acq: 5 Apr 2022 23:06

Tgt Ion: 45 Resp: 351

Ion Ratio Lower Upper

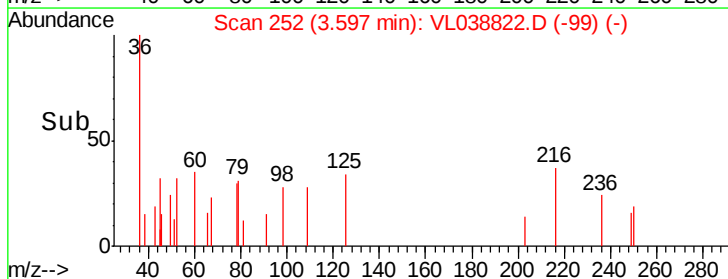
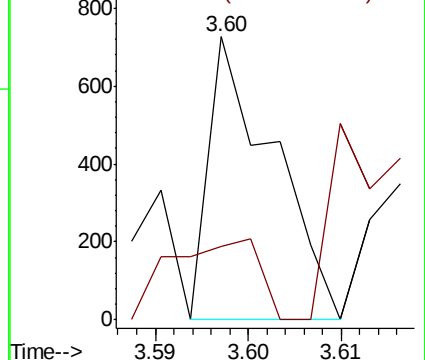
45 100

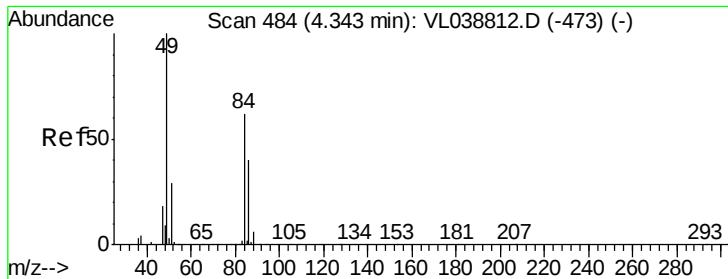
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

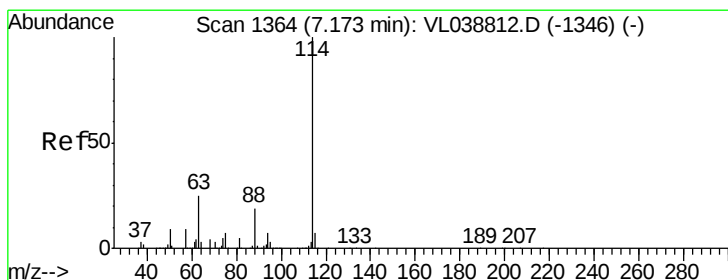
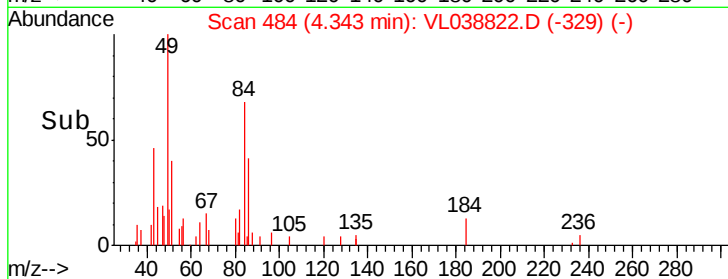
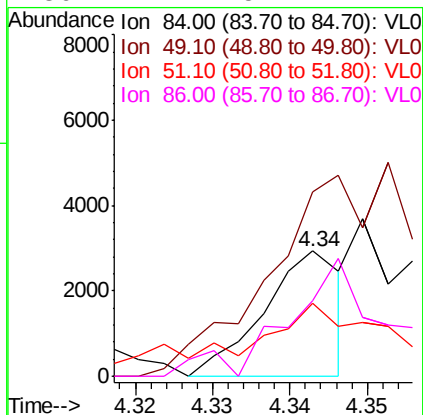
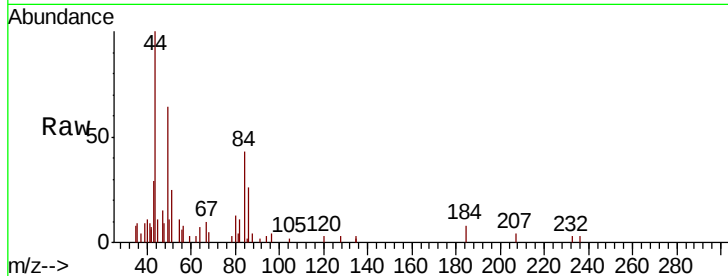
Ion 46.10 (45.80 to 46.80): VL0





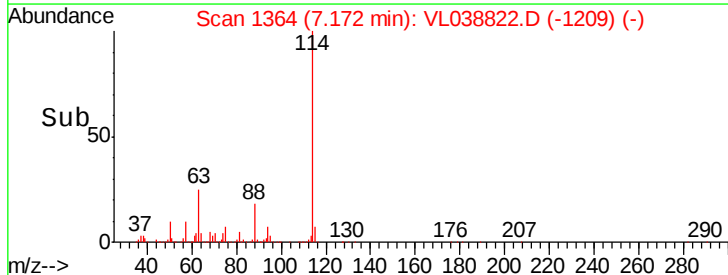
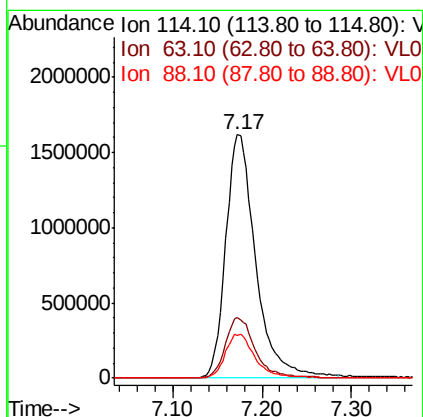
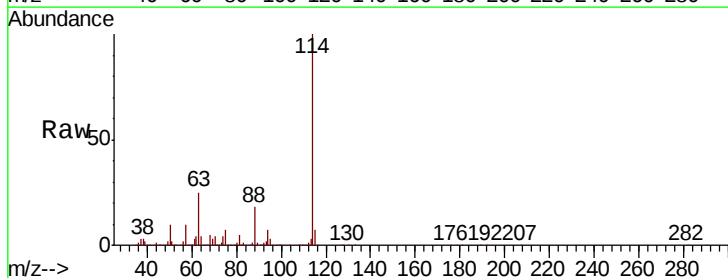
#20
Methvlene Chloride
Concen: 0.041 ppbv
RT: 4.34 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 23:06

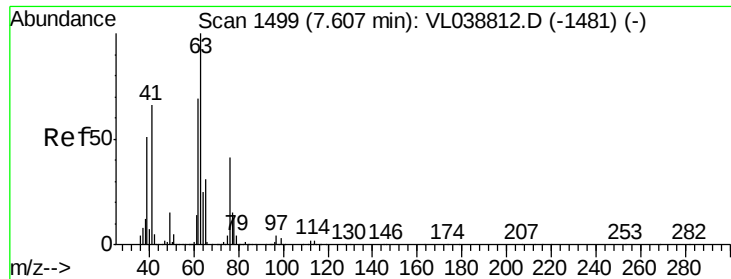
Tot Ion:	84	Resp:	2044
Ion	Ratio	Lower	Upper
84	100		
49	121.8	129.4	194.0#
51	43.7	37.4	56.2
86	47.1	51.4	77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL038822.D
Acq: 5 Apr 2022 23:06

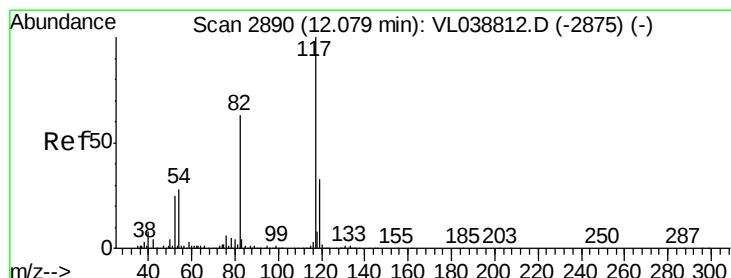
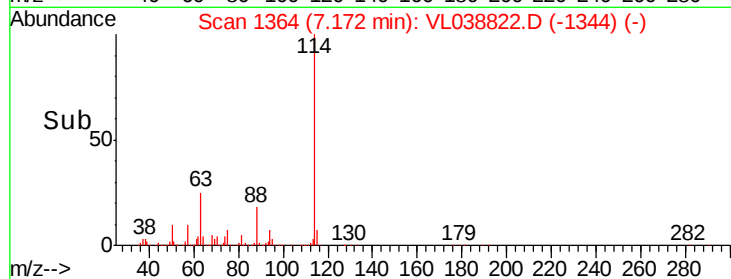
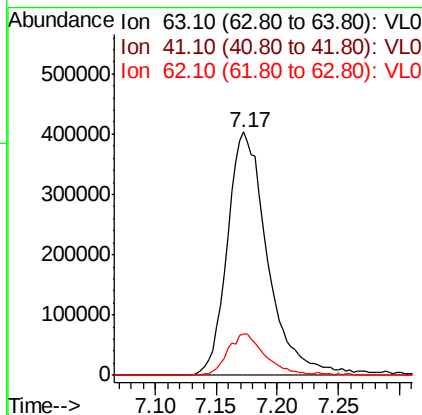
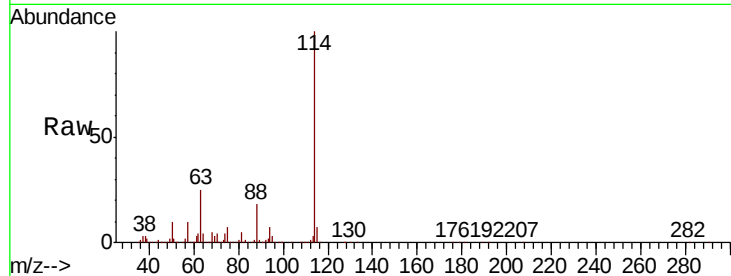
Tgt Ion:	114	Resp:	3782047
Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.8	29.8
88	18.2	14.2	21.4





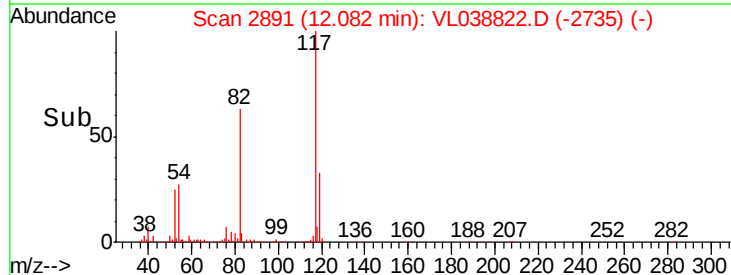
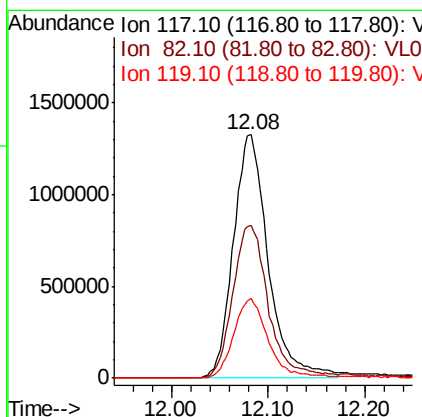
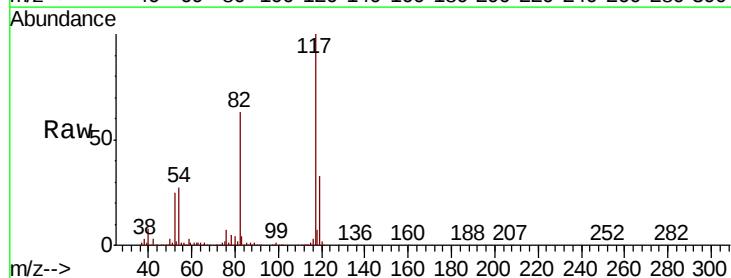
#39
 1,2-Dichloropropane
 Concen: 6.996 ppbv
 RT: 7.17 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 Apr 2022 23:06

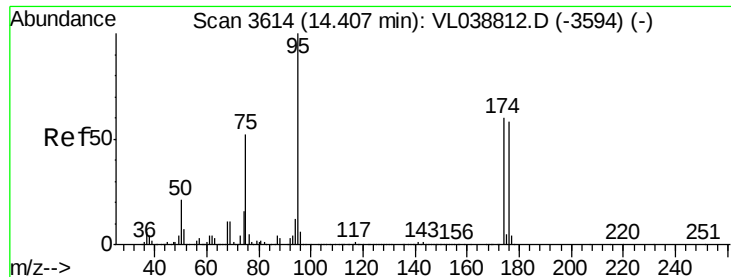
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.9	55.0	82.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T.: 0.00 min
 Lab File: VL038822.D
 Acq: 5 Apr 2022 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.0	53.0	79.6
119	33.5	24.9	37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.966 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Apr 2022 23:00

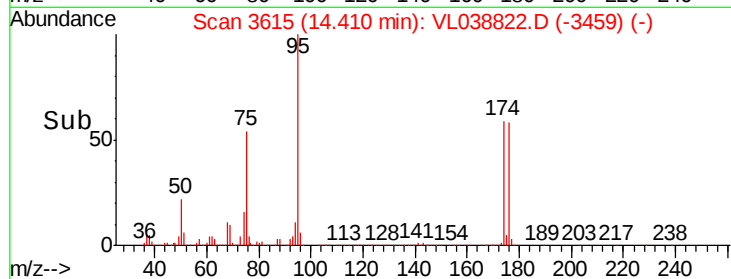
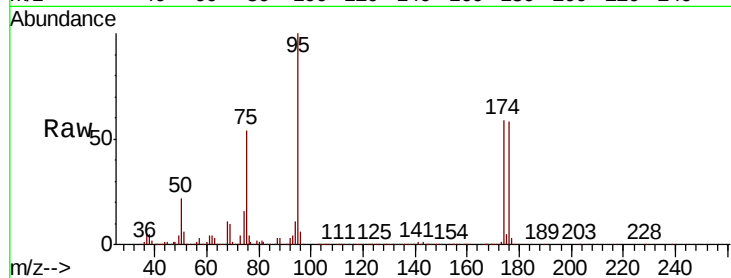
Tot Ion: 95 Resp: 2514150

Ion Ratio Lower Upper

95 100

174 63.7 52.0 78.0

175 4.7 4.0 6.0



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

