

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038824.D
 Acq On : 6 Apr 2022 8:27
 Operator : SY/AP
 Sample : OC040522 CAN10315
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 07 03:10:08 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	1417372	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3928138	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3359146	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2612025	10.25	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

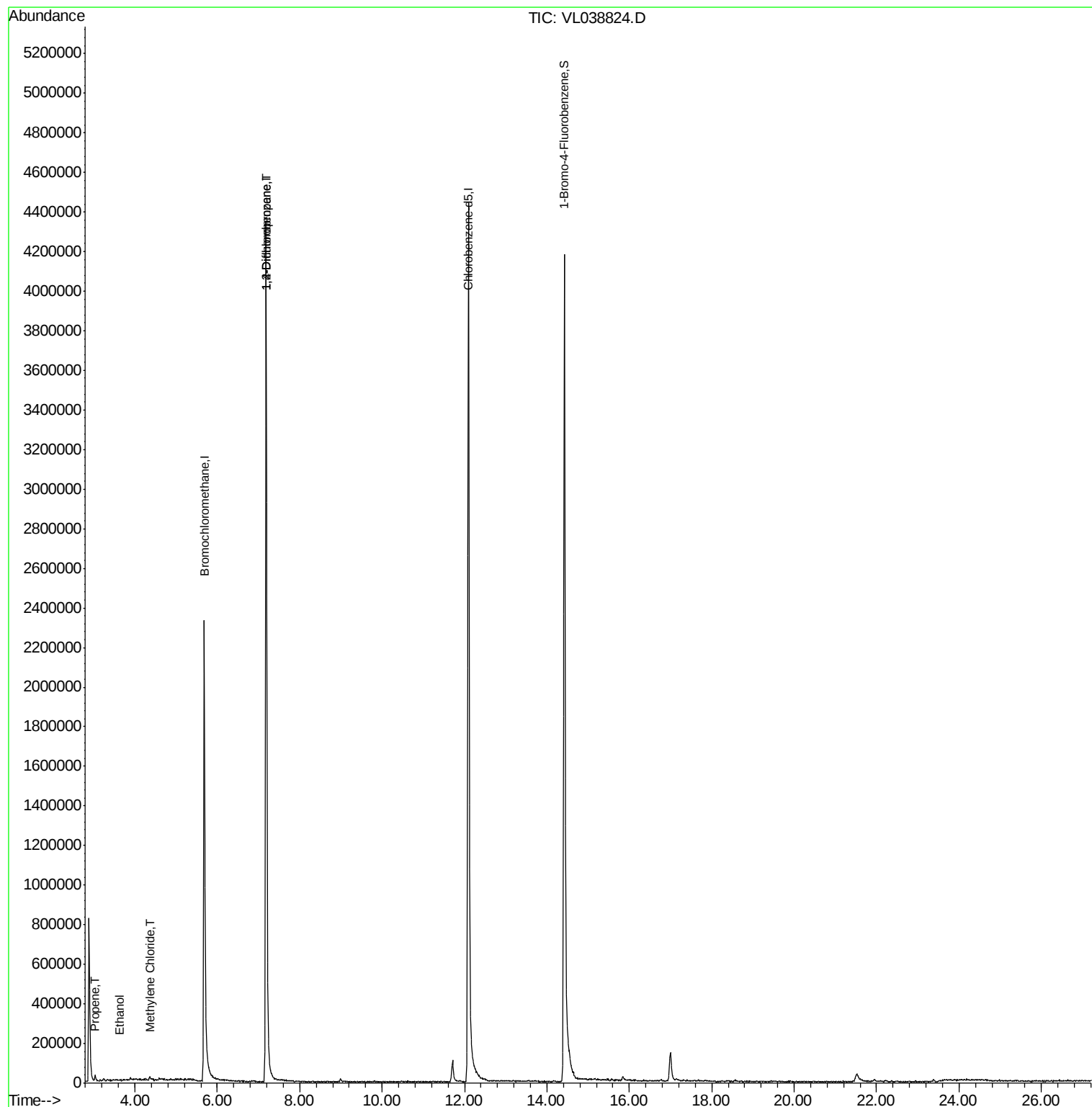
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3420	0.037	ppbv #	16
13) Ethanol	3.62	45	450	0.081	ppbv #	100
20) Methylene Chloride	4.36	84	4958	0.097	ppbv #	77
39) 1,2-Dichloropropane	7.19	63	977103	7.149	ppbv #	26

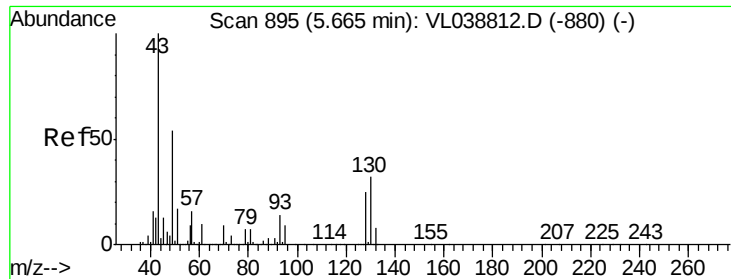
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Apr 2022 8:27

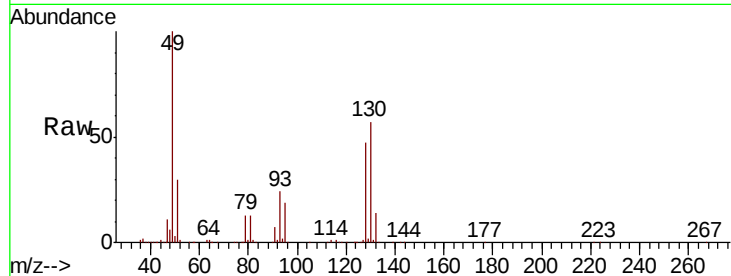
Tot Ion: 49 Resp: 1417372

Ion Ratio Lower Upper

49 100

128 50.5 24.1 72.3

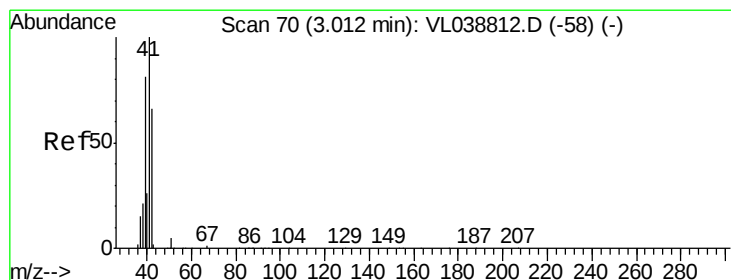
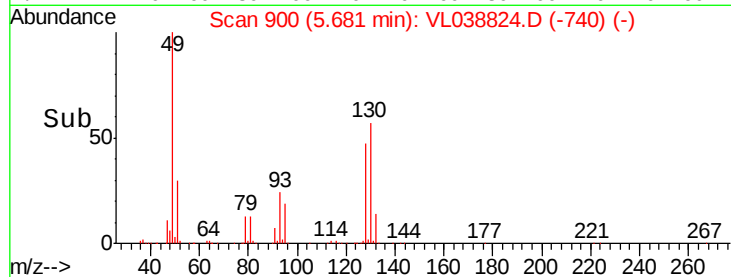
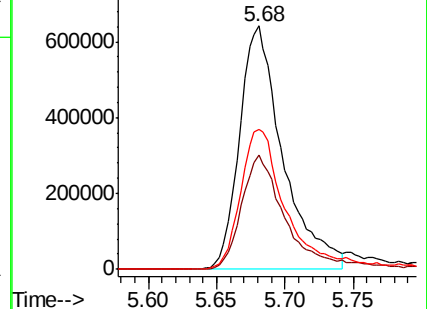
130 63.8 30.9 92.8



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: 0.037 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038824.D

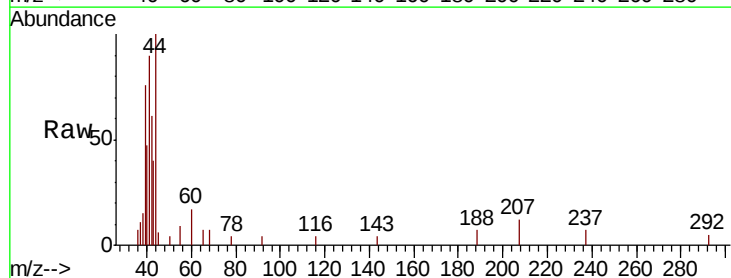
Acq: 6 Apr 2022 8:27

Tgt Ion: 41 Resp: 3420

Ion Ratio Lower Upper

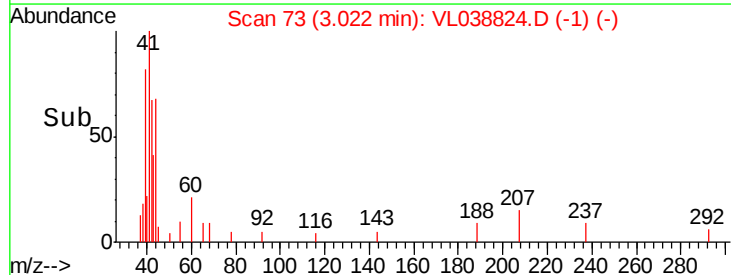
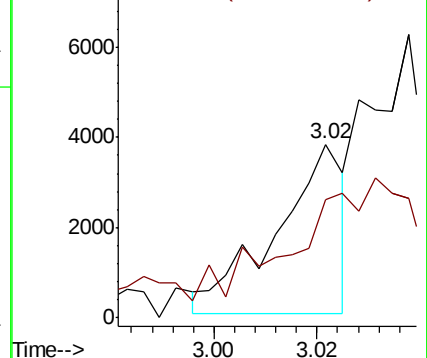
41 100

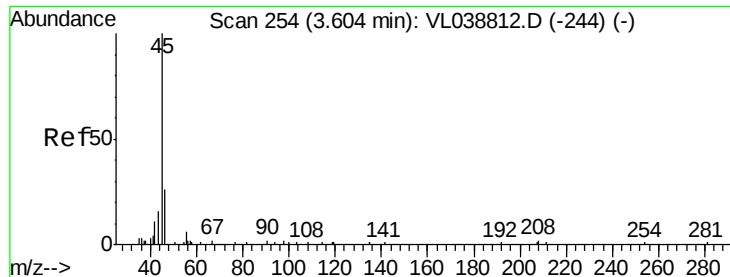
42 0.0 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

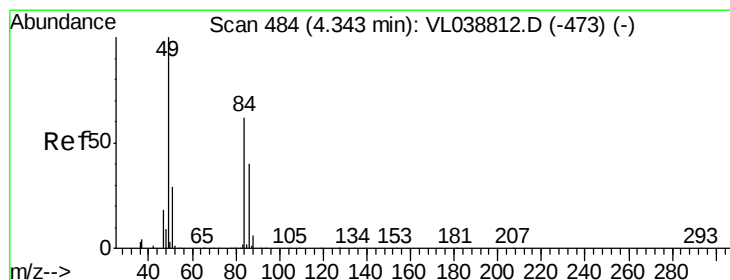
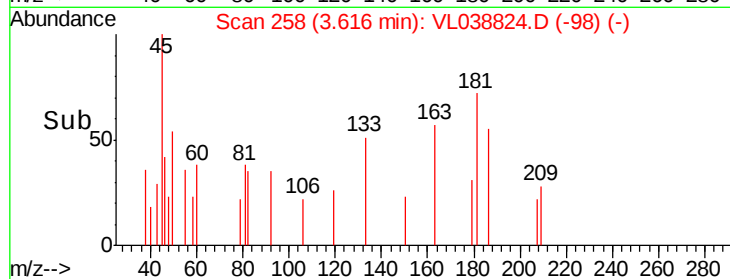
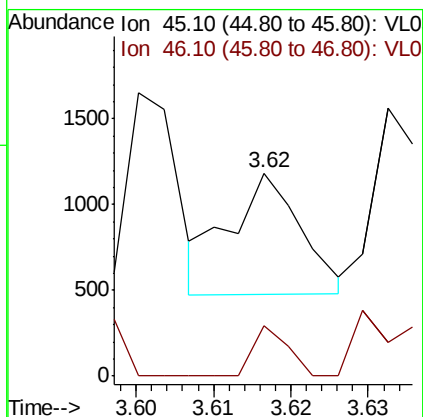
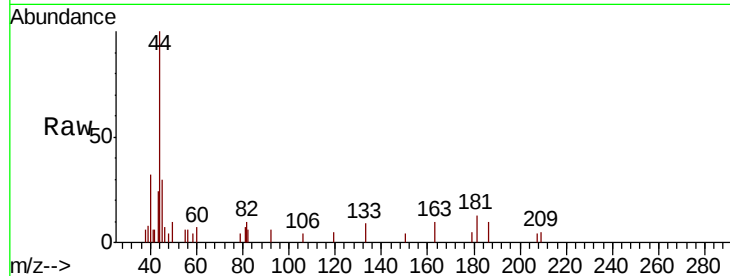
Ion 42.10 (41.80 to 42.80): VL0





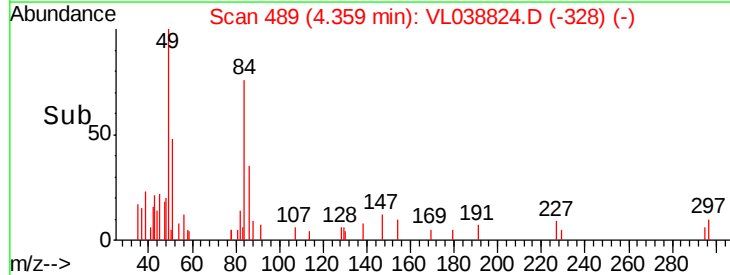
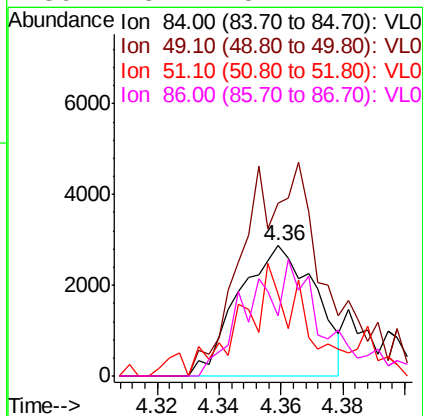
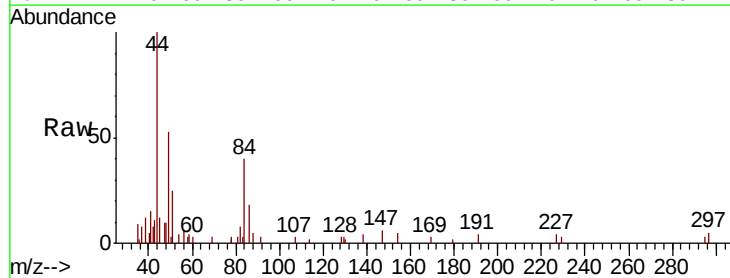
#13
Ethanol
Concen: 0.081 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 6 Apr 2022 8:27

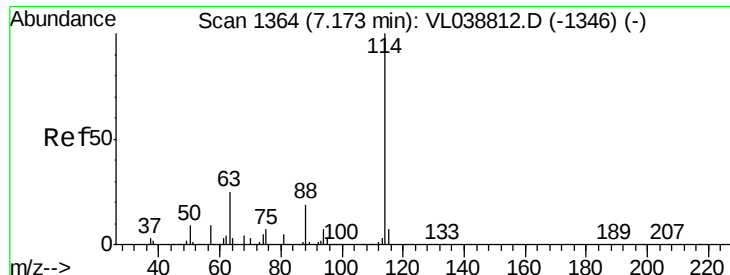
Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	0.0		0.0	0.0	0.0



#20
Methylene Chloride
Concen: 0.097 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL038824.D
Acq: 6 Apr 2022 8:27

Tgt Ion	84	49	51	86	Ratio	Lower	Upper
84	100						
49	132.2				129.4	194.0	
51	63.0				37.4	56.2#	
86	45.7				51.4	77.2#	

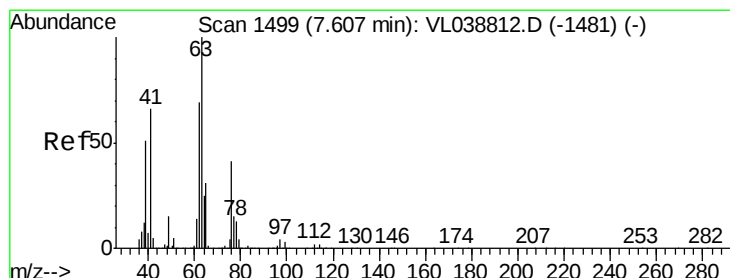
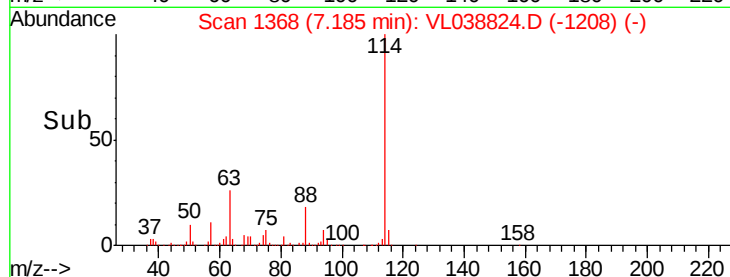
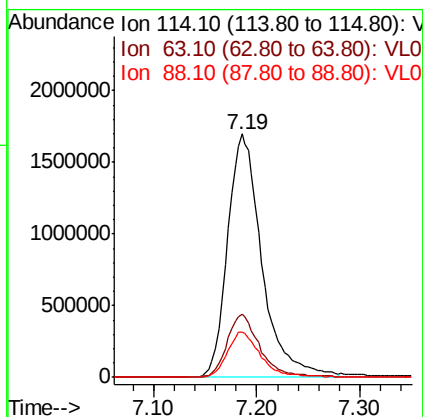
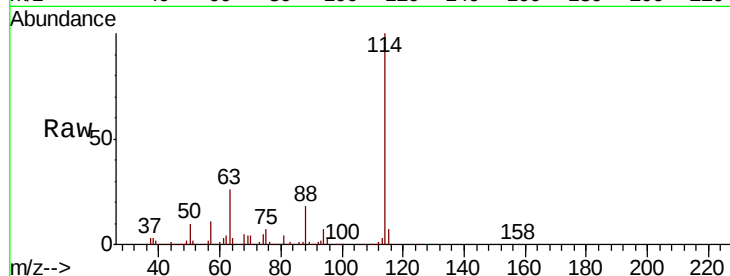




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Apr 2022 8:27

Tot Ion: 114 Resp: 3928138

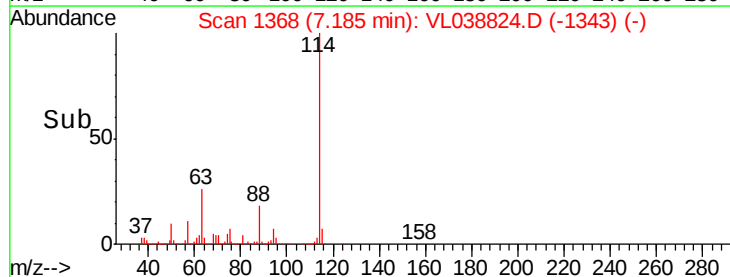
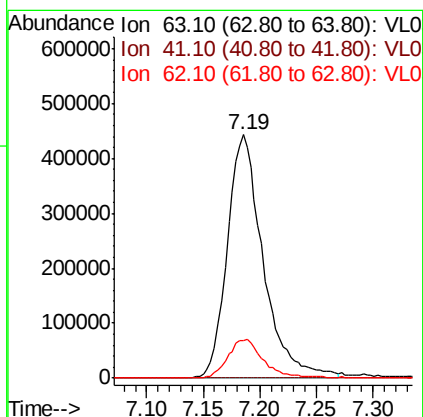
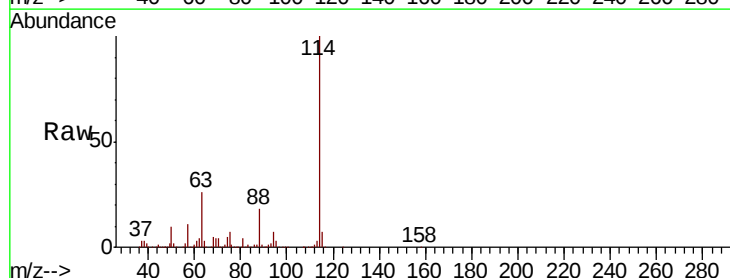
Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.8	29.8
88	18.5	14.2	21.4

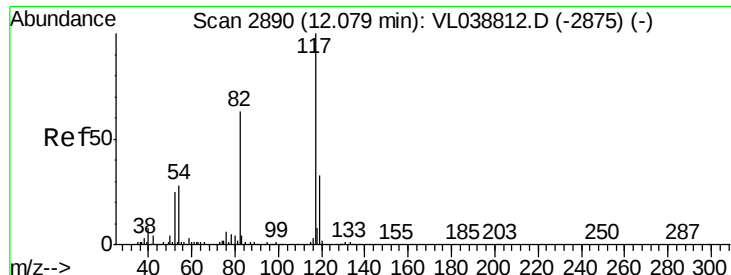


#39
 1,2-Dichloropropane
 Concen: 7.149 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T.: -0.42 min
 Lab File: VL038824.D
 Acq: 6 Apr 2022 8:27

Tgt Ion: 63 Resp: 977103

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	15.2	55.0	82.4#

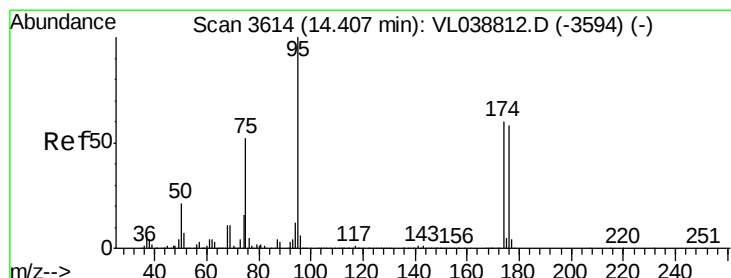
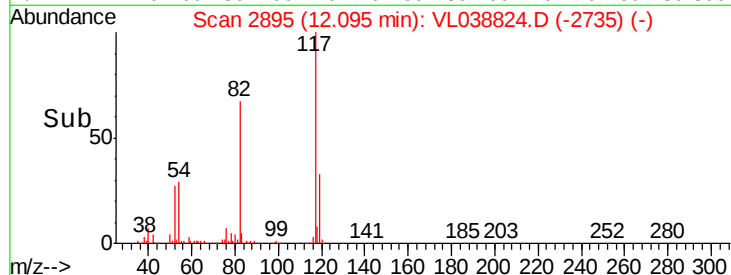
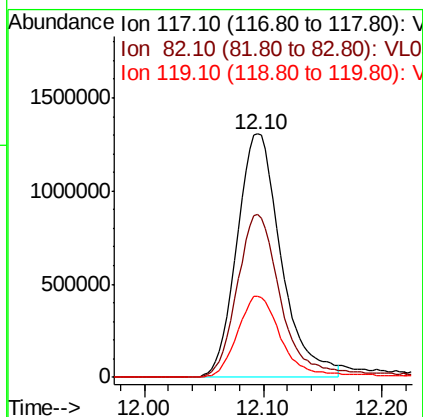
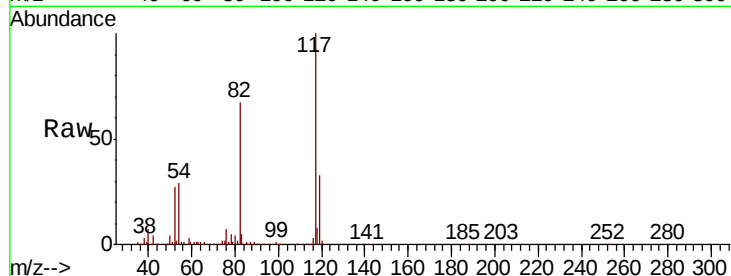




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 6 Apr 2022 8:27

Tot Ion: 117 Resp: 3359146

Ion	Ratio	Lower	Upper
117	100		
82	70.0	53.0	79.6
119	34.2	24.9	37.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.251 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T.: 0.02 min
 Lab File: VL038824.D
 Acq: 6 Apr 2022 8:27

Tgt Ion: 95 Resp: 2612025

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.0	78.0
175	4.4	4.0	6.0

