

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038885.D
 Acq On : 12 Apr 2022 8:38
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 13 06:42:27 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	5.66	49	193641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3040081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2721321	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2089038	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

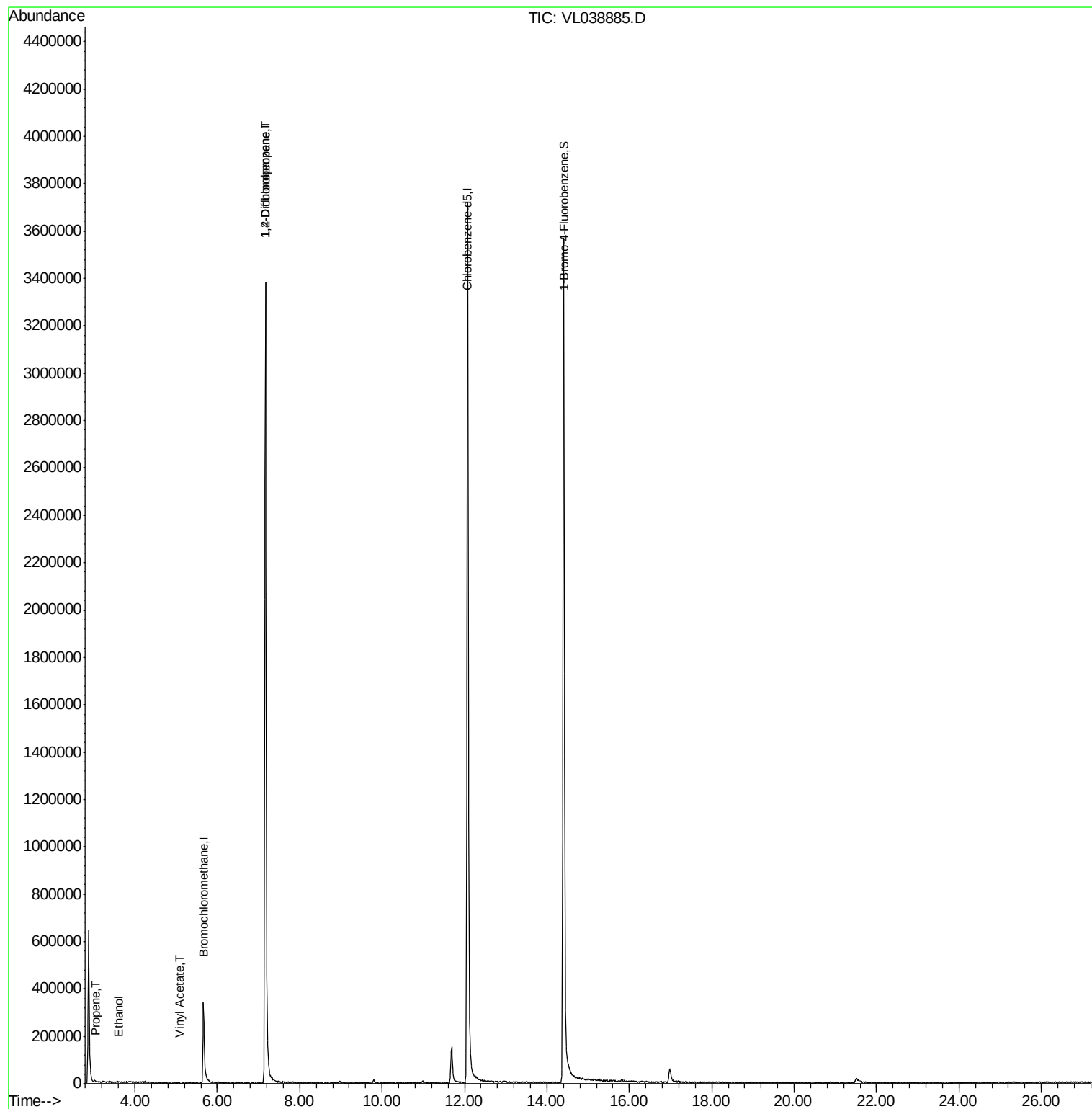
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	536	0.043	ppbv	90
13) Ethanol	3.61	45	291	0.383	ppbv #	100
23) Vinyl Acetate	5.08	43	1572	0.084	ppbv #	51
39) 1,2-Dichloropropane	7.17	63	726503	6.868	ppbv #	27

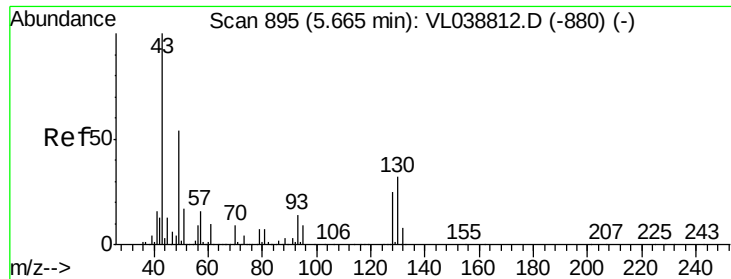
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 12 Apr 2022 8:38

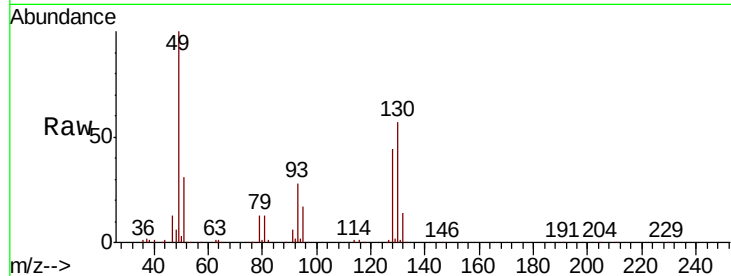
Tot Ion: 49 Resp: 193641

Ion Ratio Lower Upper

49 100

128 54.8 24.1 72.3

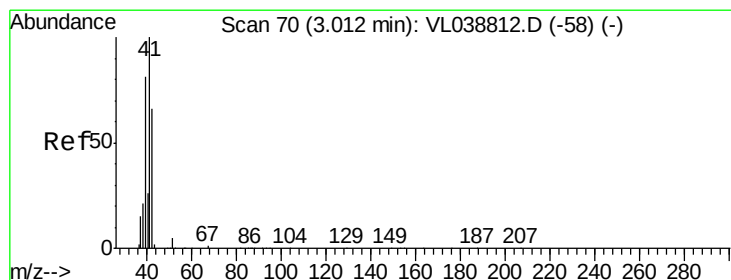
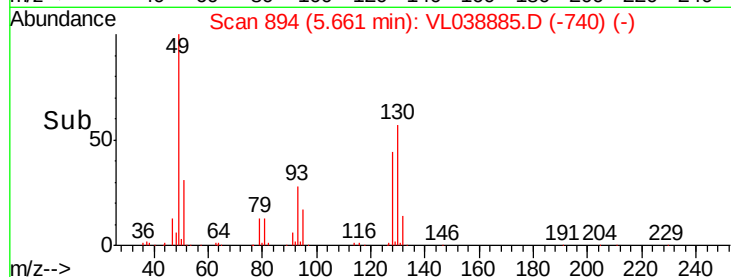
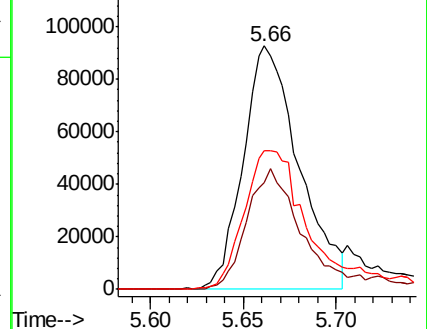
130 72.1 30.9 92.8



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: 0.043 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.02 min

Lab File: VL038885.D

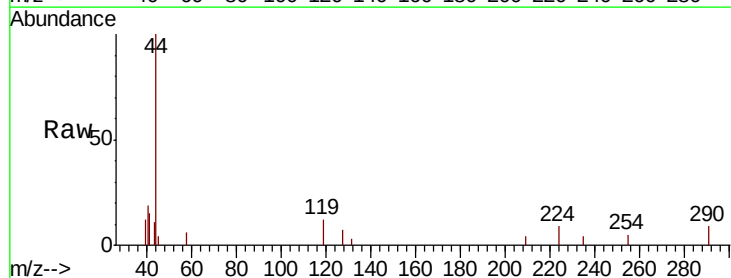
Acq: 12 Apr 2022 8:38

Tgt Ion: 41 Resp: 536

Ion Ratio Lower Upper

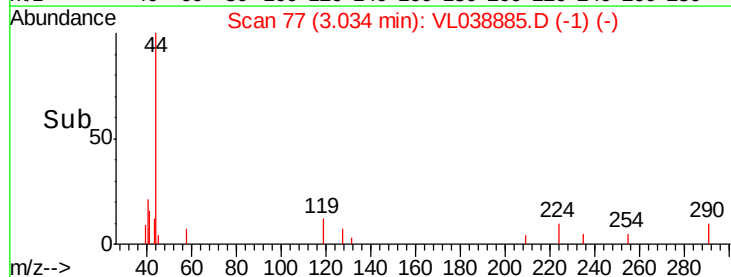
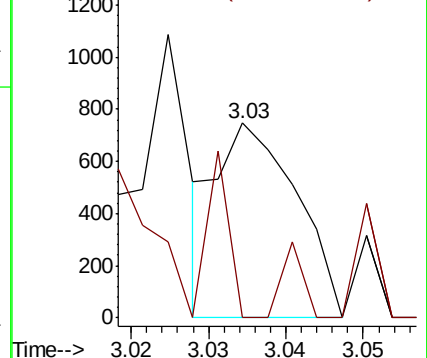
41 100

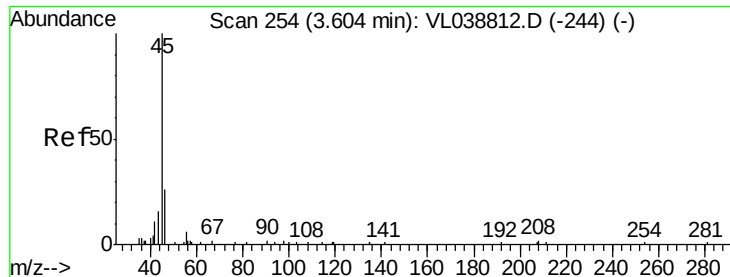
42 59.7 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

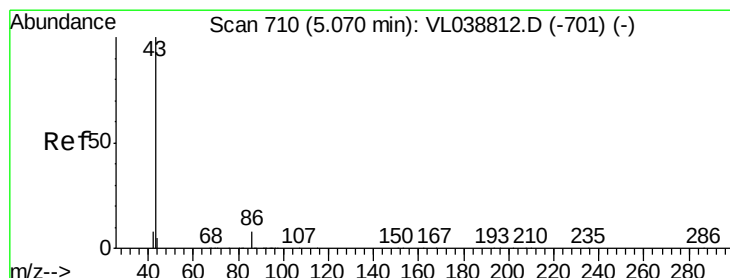
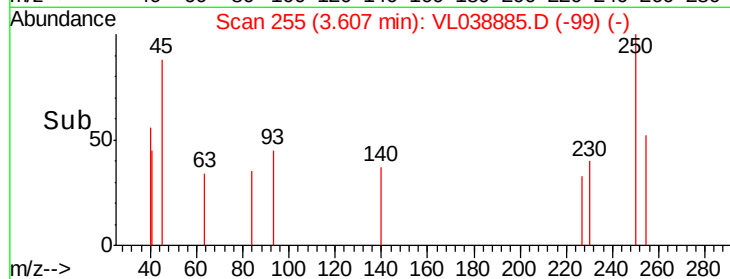
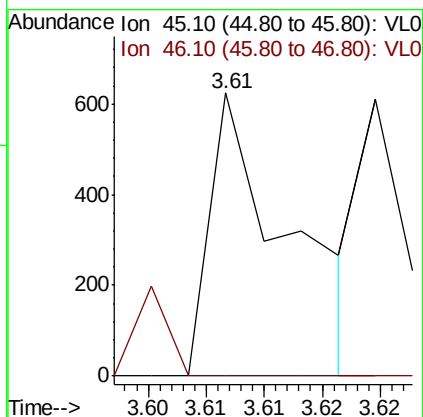
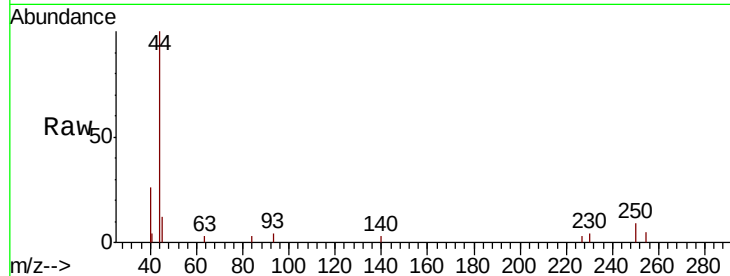
Ion 42.10 (41.80 to 42.80): VL0





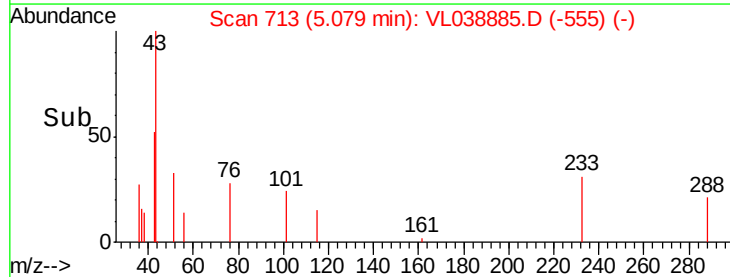
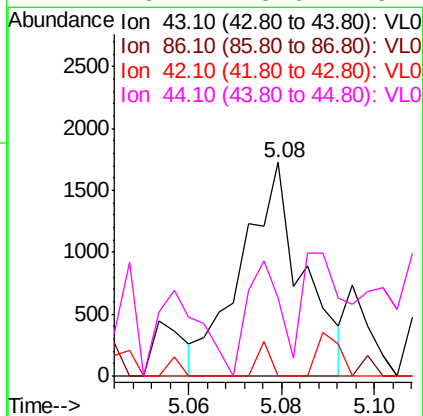
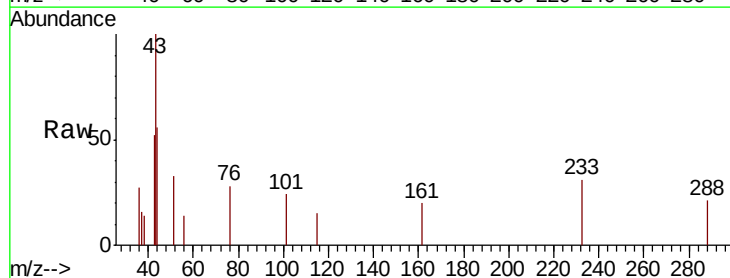
#13
Ethanol
Concen: 0.383 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 12 Apr 2022 8:38

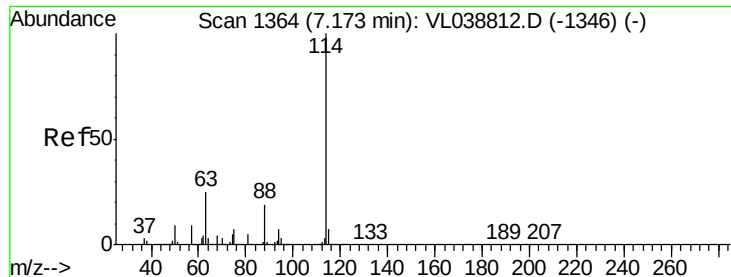
Tot Ion: 45 Resp: 291
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#23
Vinyl Acetate
Concen: 0.084 ppbv
RT: 5.08 min Scan# 713
Delta R.T. 0.01 min
Lab File: VL038885.D
Acq: 12 Apr 2022 8:38

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
86 0.0 5.8 8.6#
42 40.2 7.8 11.6#
44 10.7 3.6 5.4#

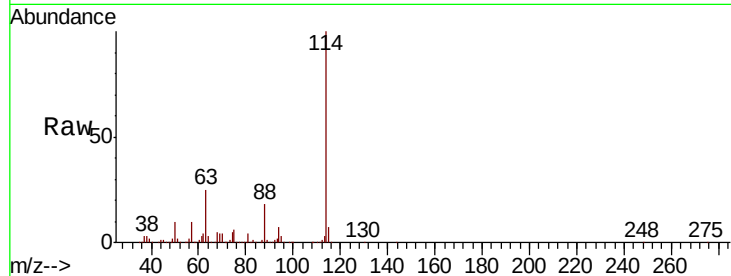




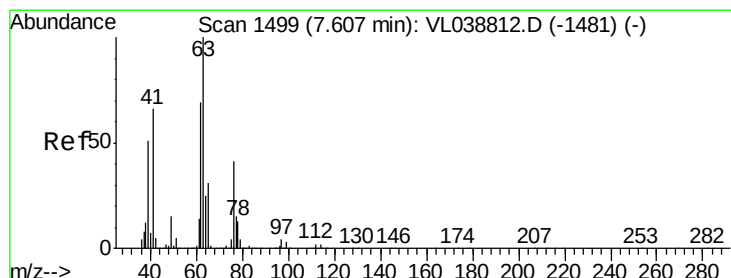
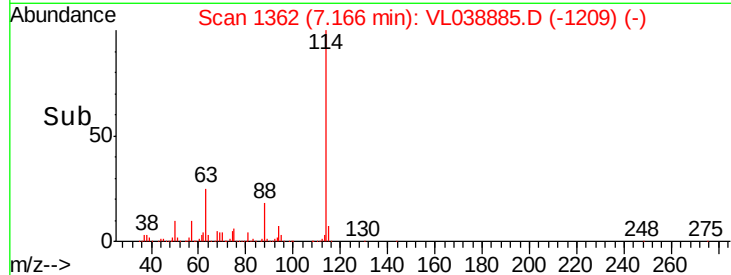
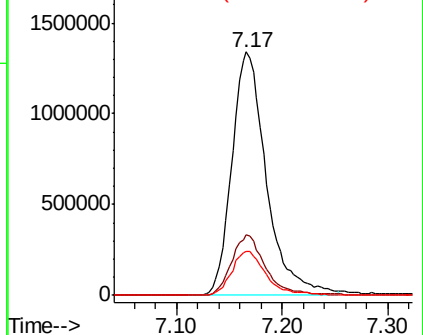
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Apr 2022 8:38

Tot Ion: 114 Resp: 3040081

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.8	29.8
88	18.2	14.2	21.4



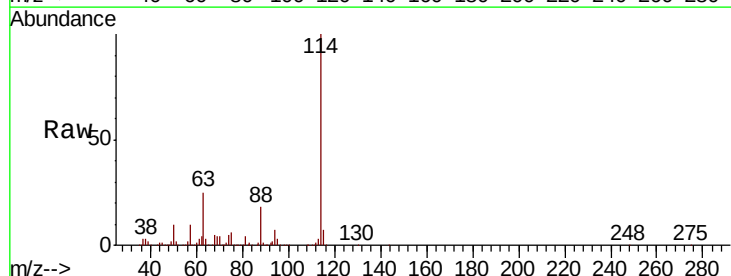
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



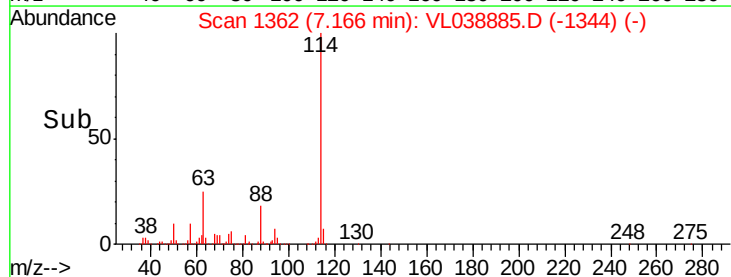
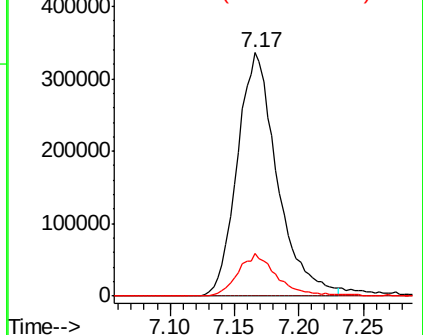
#39
 1,2-Dichloropropane
 Concen: 6.868 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.44 min
 Lab File: VL038885.D
 Acq: 12 Apr 2022 8:38

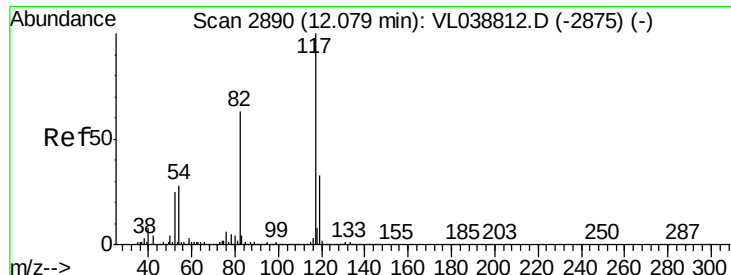
Tgt Ion: 63 Resp: 726503

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	17.7	55.0	82.4#



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

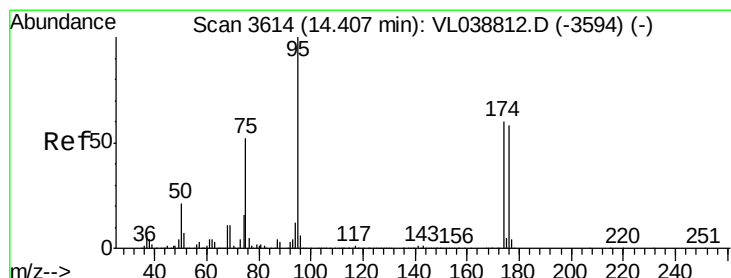
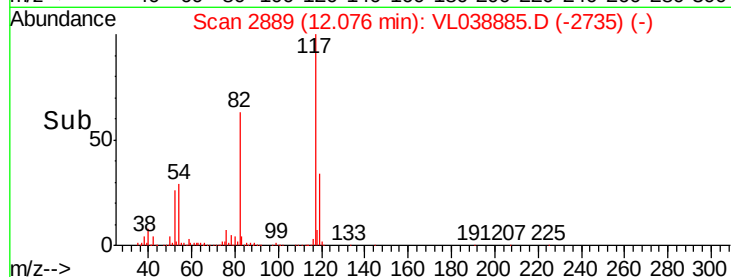
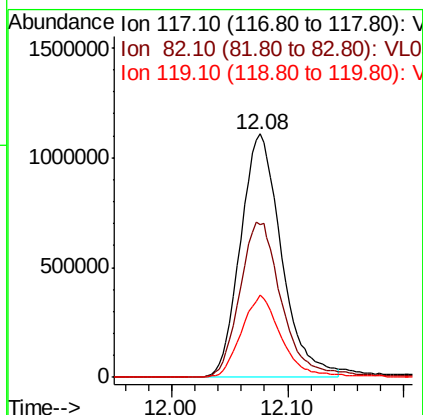
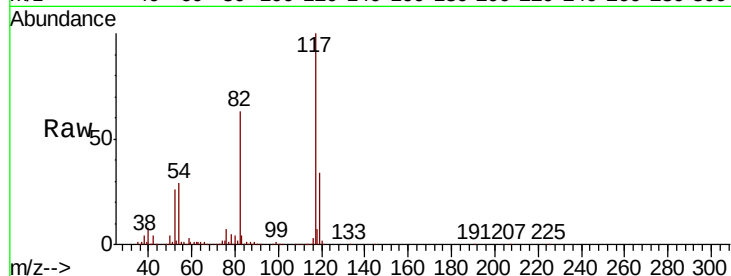




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 12 Apr 2022 8:38

Tot Ion: 117 Resp: 2721321

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.0	79.6
119	33.6	24.9	37.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.120 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: -0.00 min
 Lab File: VL038885.D
 Acq: 12 Apr 2022 8:38

Tgt Ion: 95 Resp: 2089038

Ion	Ratio	Lower	Upper
95	100		
174	63.9	52.0	78.0
175	4.6	4.0	6.0

