

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038742.D
 Acq On : 24 Mar 2022 8:51
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 25 01:08:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	828524	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2167897	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1766925	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1310408	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

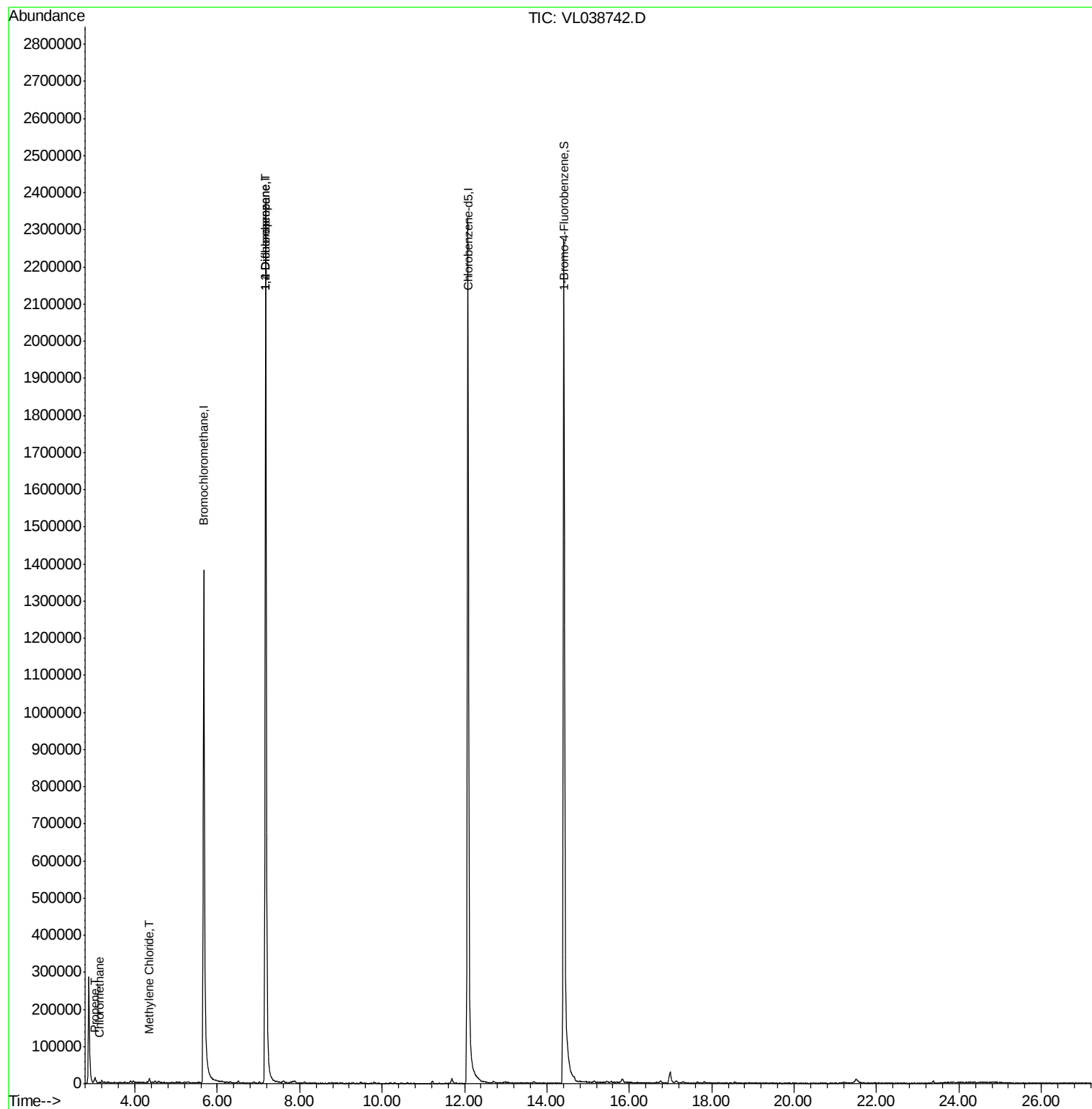
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.16	50	1885	0.04	ppbv #	69
9) Propene	3.02	41	1790	0.04	ppbv #	1
20) Methylene Chloride	4.35	84	4317	0.14	ppbv #	73
39) 1,2-Dichloropropane	7.17	63	501126	7.66	ppbv #	29

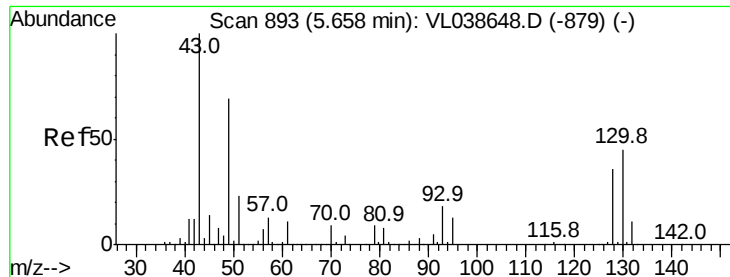
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 8:51

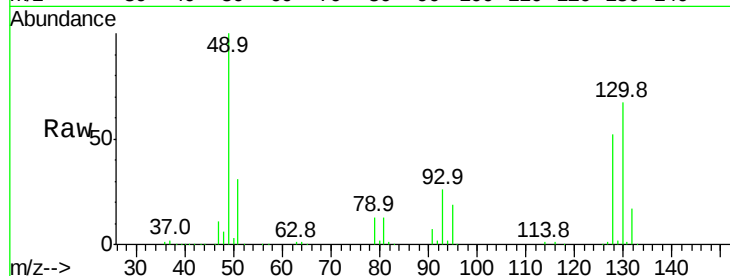
Tgt Ion: 49 Resp: 828524

Ion Ratio Lower Upper

49 100

128 53.4 26.2 78.6

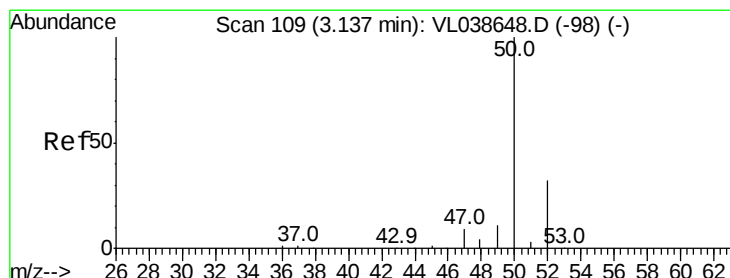
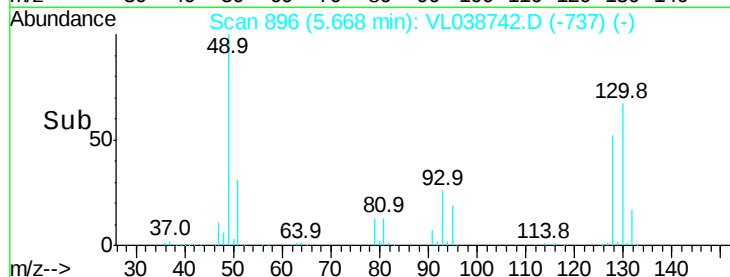
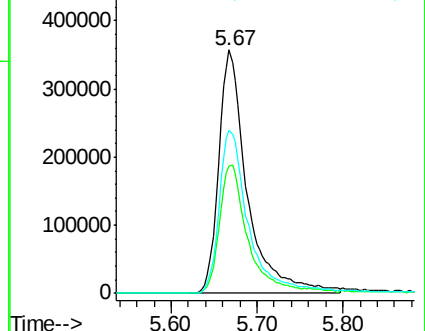
130 70.3 33.7 101.1



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



#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL038742.D

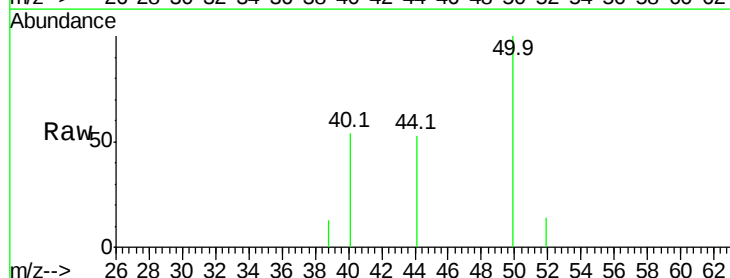
Acq: 24 Mar 2022 8:51

Tgt Ion: 50 Resp: 1885

Ion Ratio Lower Upper

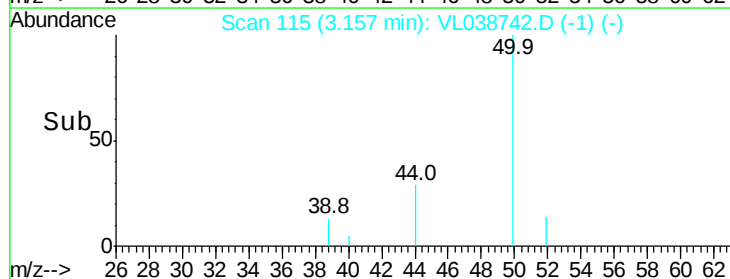
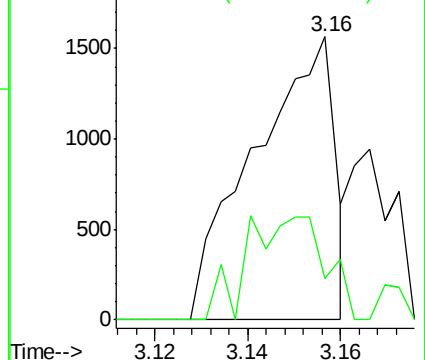
50 100

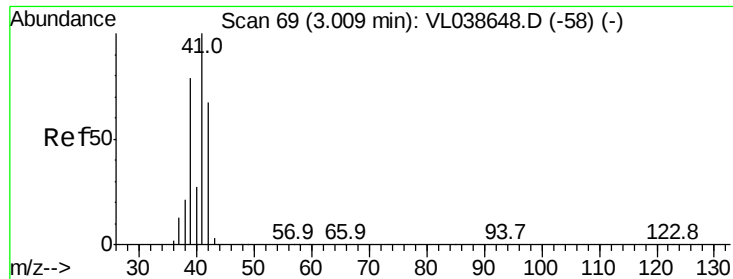
52 14.4 25.5 38.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.04 ppbv

RT: 3.02 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

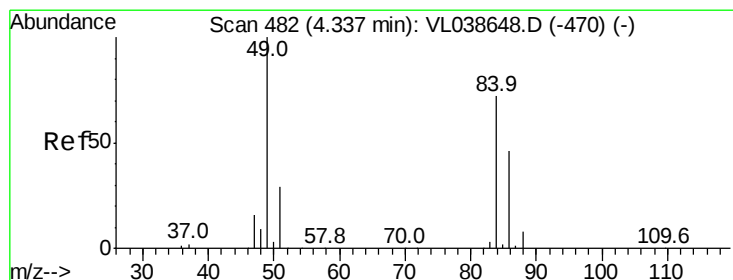
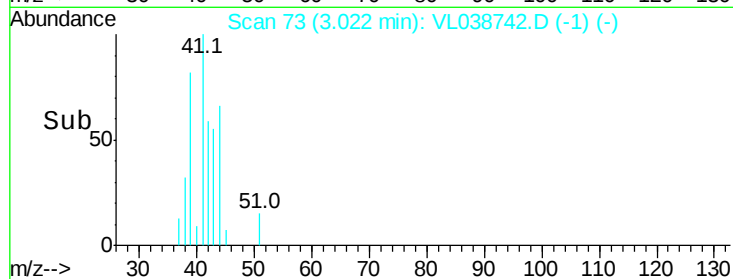
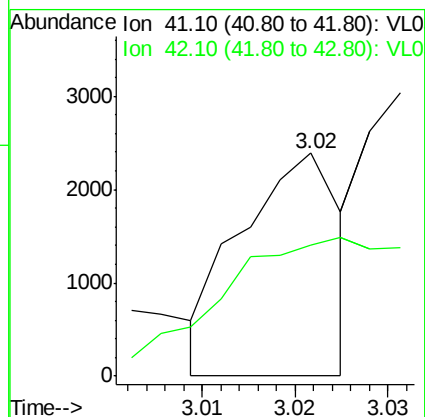
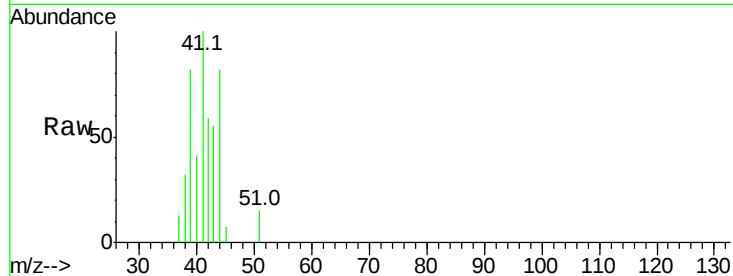
Acq: 24 Mar 2022 8:51

Tgt Ion: 41 Resp: 1790

Ion Ratio Lower Upper

41 100

42 173.2 56.2 84.4#



#20

Methylene Chloride

Concen: 0.14 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038742.D

Acq: 24 Mar 2022 8:51

Tgt Ion: 84 Resp: 4317

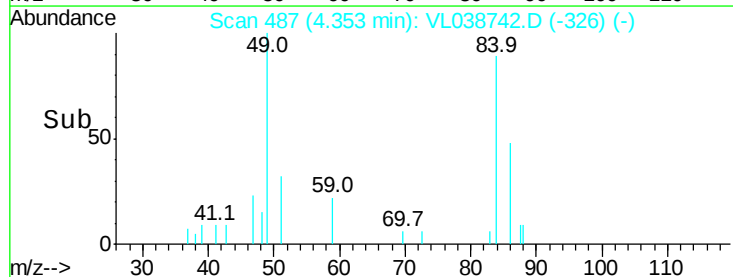
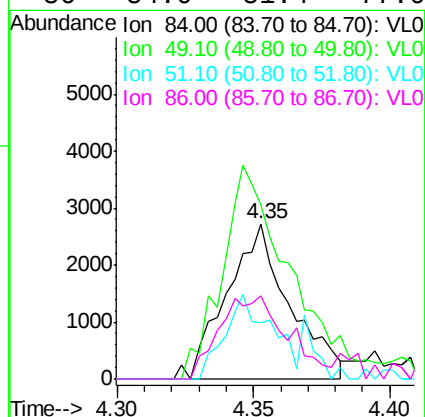
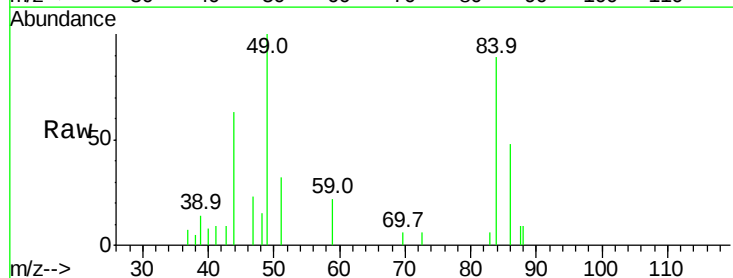
Ion Ratio Lower Upper

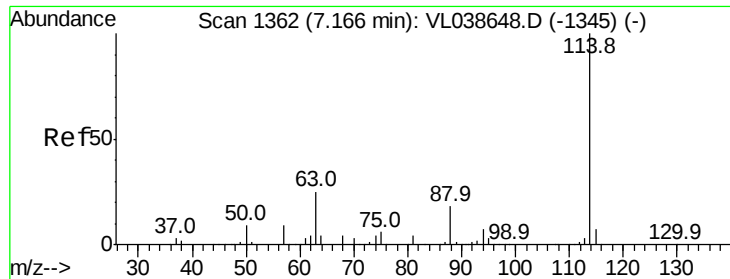
84 100

49 92.4 111.2 166.8#

51 36.3 32.8 49.2

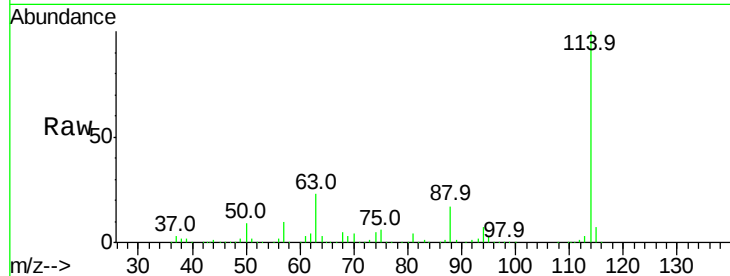
86 54.0 51.4 77.0



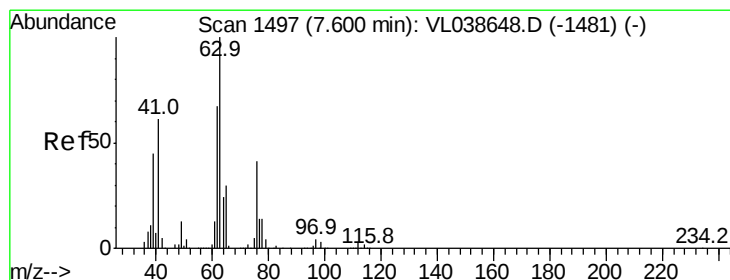
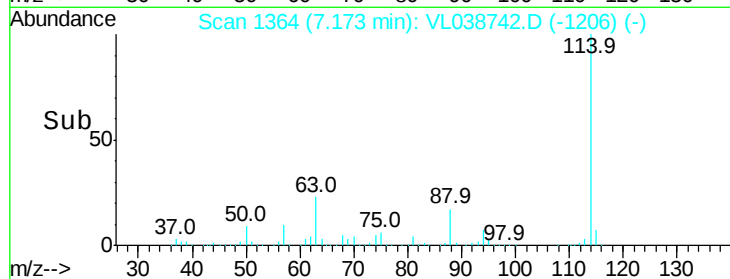
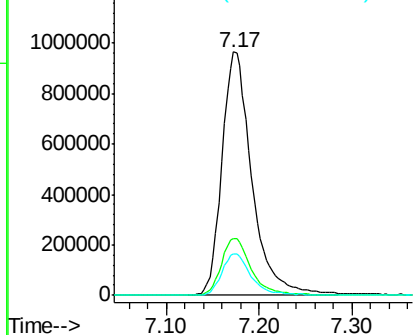


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 8:51

Tgt Ion: 114 Resp: 2167897
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.4 29.0
 88 17.0 13.9 20.9

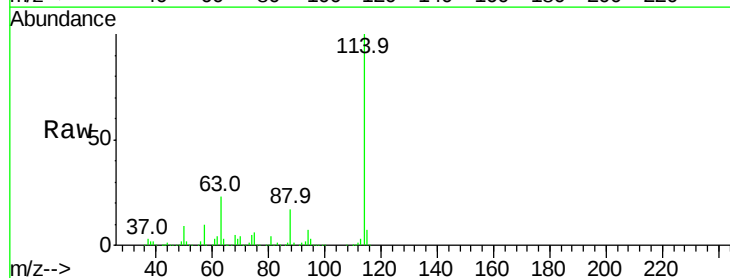


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

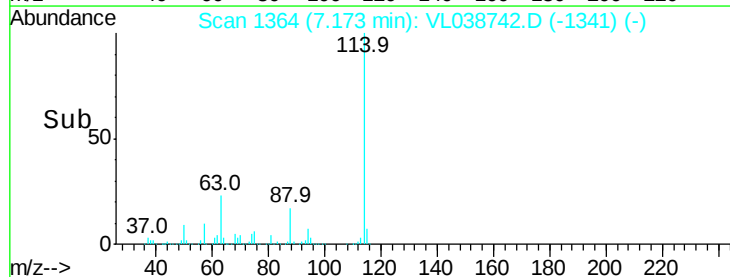
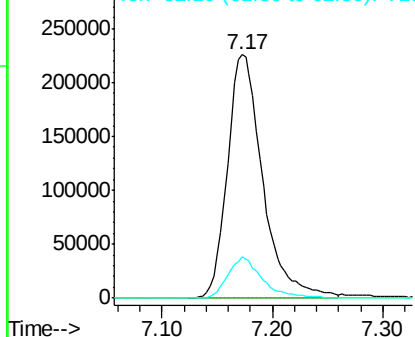


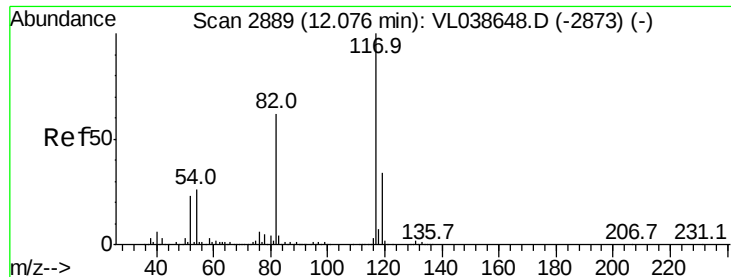
#39
 1,2-Dichloropropane
 Concen: 7.66 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.43 min
 Lab File: VL038742.D
 Acq: 24 Mar 2022 8:51

Tgt Ion: 63 Resp: 501126
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.0 73.6#
 62 17.1 53.9 80.9#



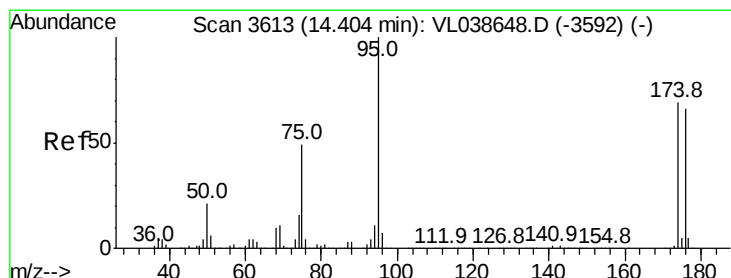
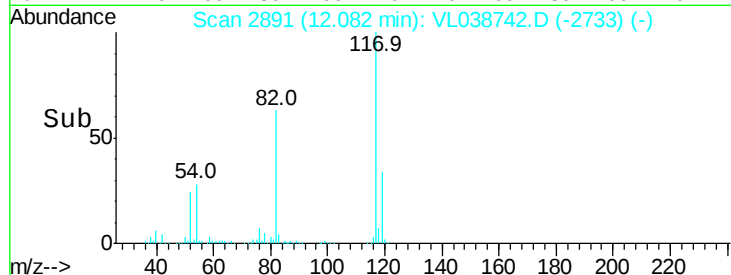
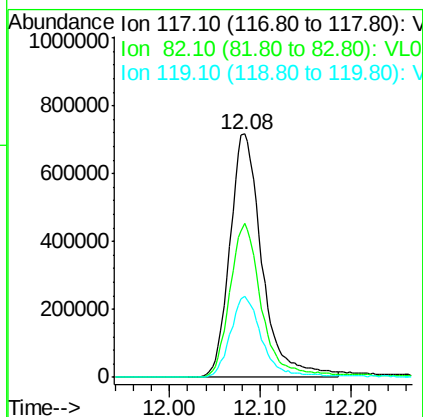
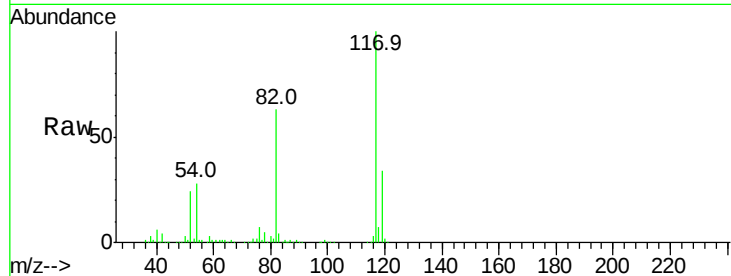
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VIBLK
 Acq: 24 Mar 2022 8:51

Tgt Ion: 117 Resp: 1766925
 Ion Ratio Lower Upper
 117 100
 82 64.7 51.6 77.4
 119 34.0 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.67 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: 0.01 min
 Lab File: VL038742.D
 Acq: 24 Mar 2022 8:51

Tgt Ion: 95 Resp: 1310408
 Ion Ratio Lower Upper
 95 100
 174 70.4 56.1 84.1
 175 5.2 4.2 6.2

