

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038683.D
 Acq On : 22 Mar 2022 14:00
 Operator : SY/AP
 Sample : VL0322ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0322ABL01

Quant Time: Mar 23 04:12:21 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	5.65	49	820780	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2117926	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1867603	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1329721	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

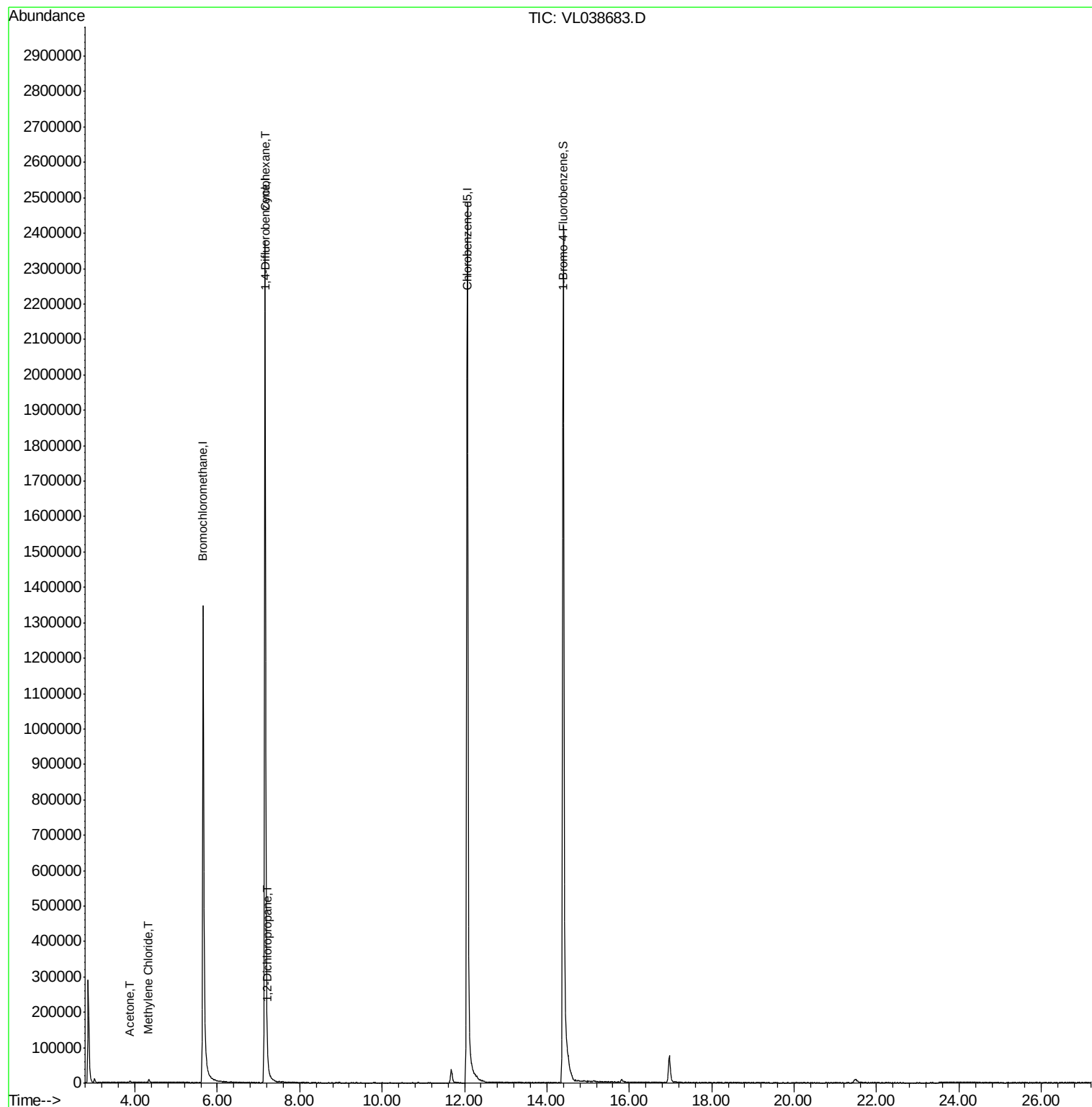
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.87	43	1579	0.02	ppbv #	46
20) Methylene Chloride	4.34	84	2776	0.09	ppbv	96
30) Cyclohexane	7.15	84	4480	0.06	ppbv #	1
39) 1,2-Dichloropropane	7.23	63	4950	0.08	ppbv #	22

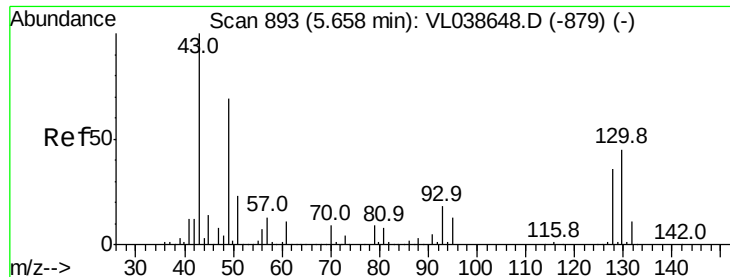
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Mar 2022 14:00

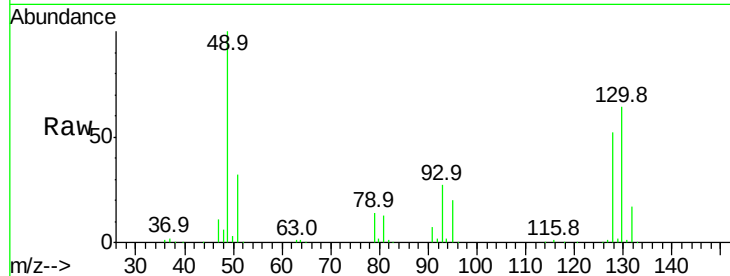
Tgt Ion: 49 Resp: 820780

Ion Ratio Lower Upper

49 100

128 53.6 26.2 78.6

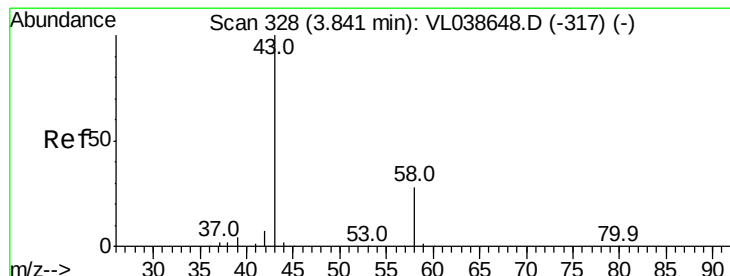
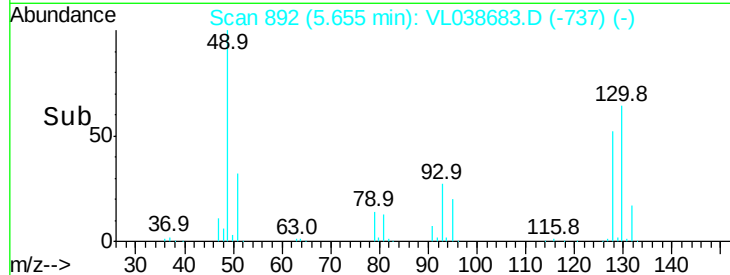
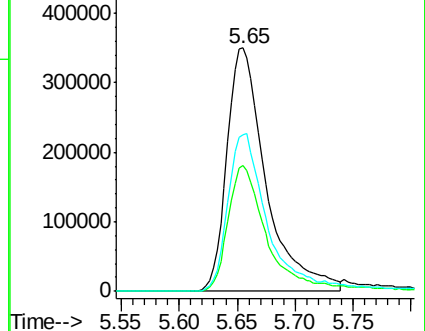
130 68.7 33.7 101.1



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



#15

Acetone

Concen: 0.02 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.03 min

Lab File: VL038683.D

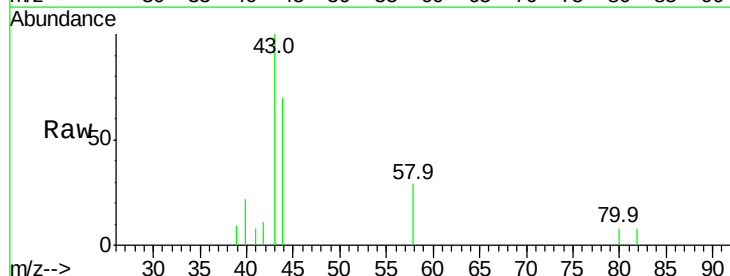
Acq: 22 Mar 2022 14:00

Tgt Ion: 43 Resp: 1579

Ion Ratio Lower Upper

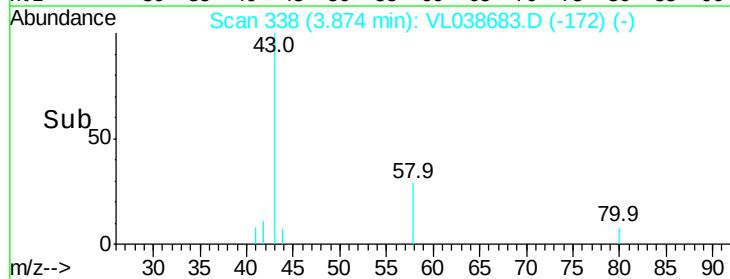
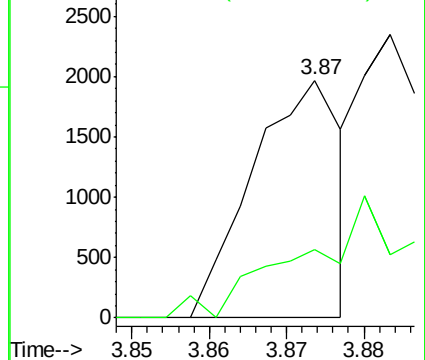
43 100

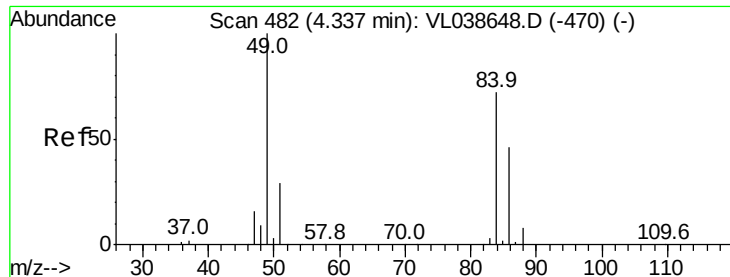
58 0.0 23.3 34.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.09 ppbv

RT: 4.34 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0322ABL01

Acq: 22 Mar 2022 14:00

Tgt Ion: 84 Resp: 2776

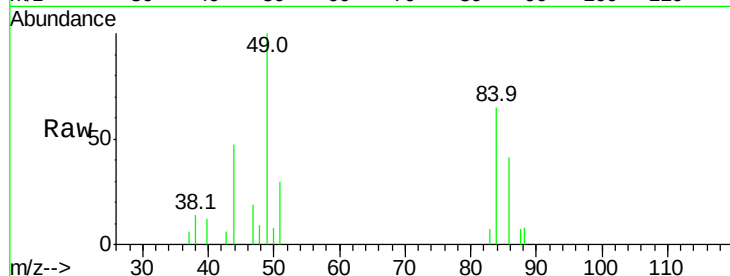
Ion Ratio Lower Upper

84 100

49 146.4 111.2 166.8

51 42.4 32.8 49.2

86 65.0 51.4 77.0

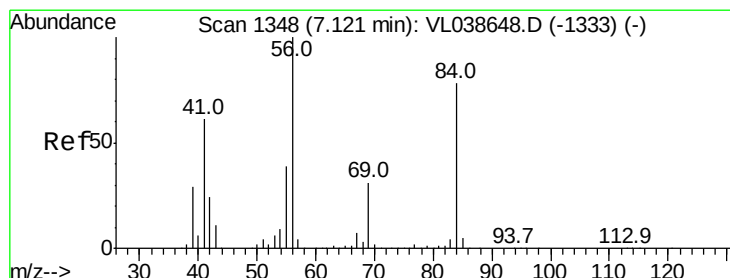
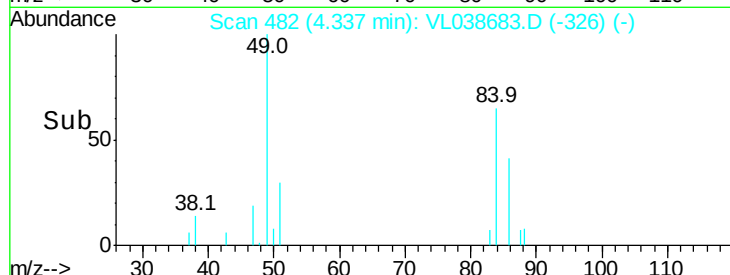
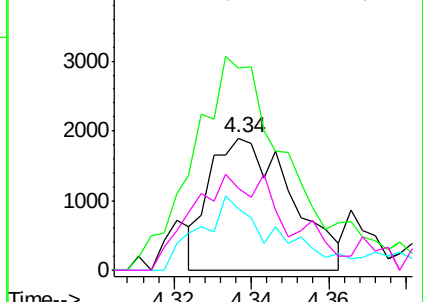


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#30

Cyclohexane

Concen: 0.06 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.03 min

Lab File: VL038683.D

Acq: 22 Mar 2022 14:00

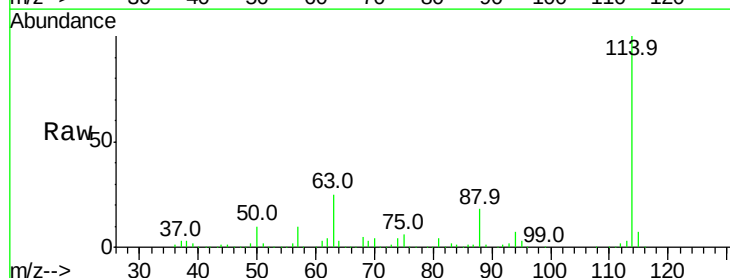
Tgt Ion: 84 Resp: 4480

Ion Ratio Lower Upper

84 100

56 0.0 108.2 162.4#

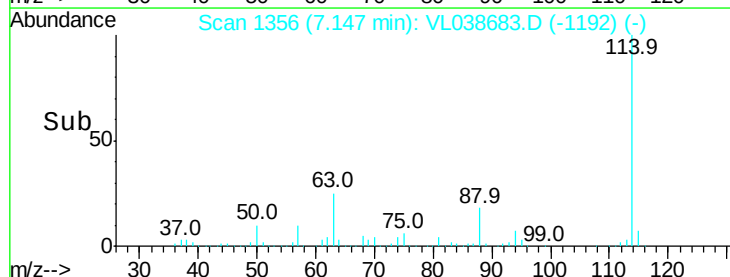
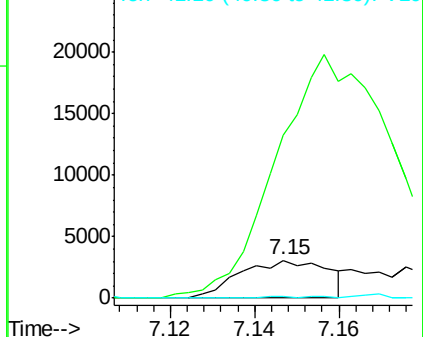
41 0.0 61.8 92.6#

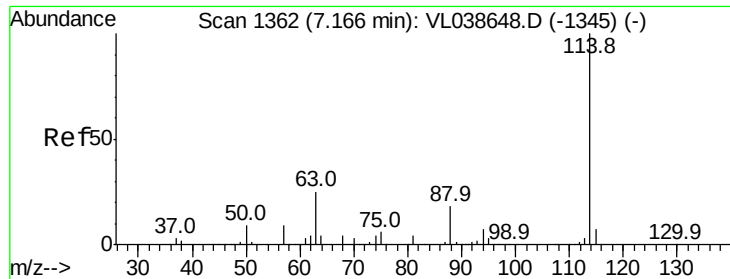


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

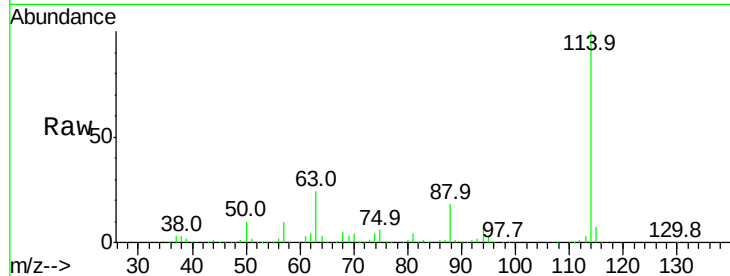




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0322ABL01
 Acq: 22 Mar 2022 14:00

Tgt Ion: 114 Resp: 2117926

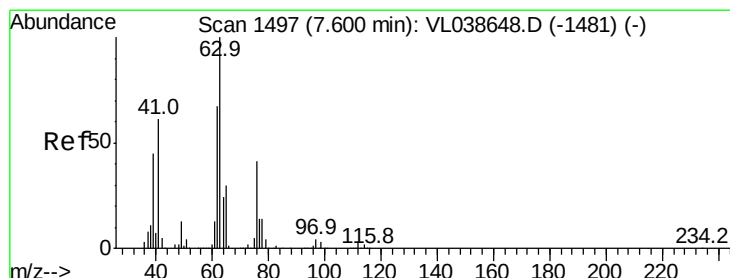
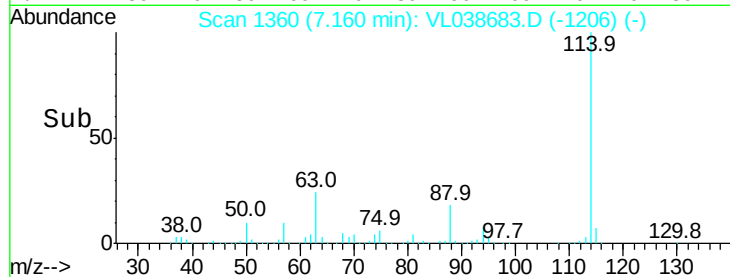
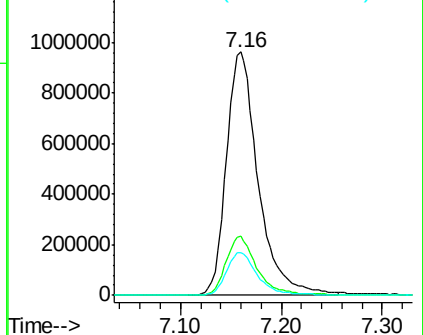
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.5	13.9	20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

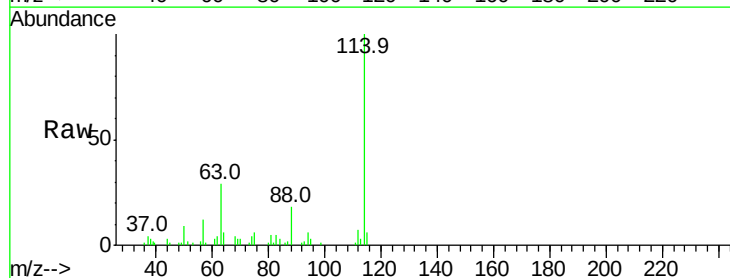
Ion 88.10 (87.80 to 88.80): VL0



#39
 1,2-Dichloropropane
 Concen: 0.08 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. -0.37 min
 Lab File: VL038683.D
 Acq: 22 Mar 2022 14:00

Tgt Ion: 63 Resp: 4950

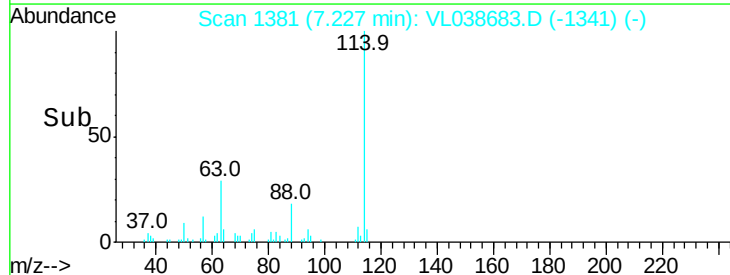
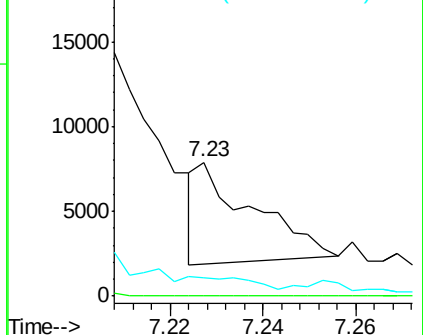
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	5.6	53.9	80.9#

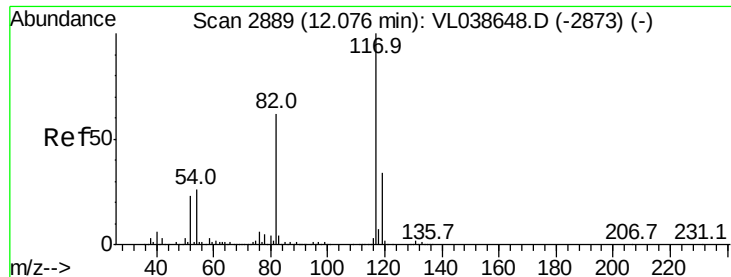


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

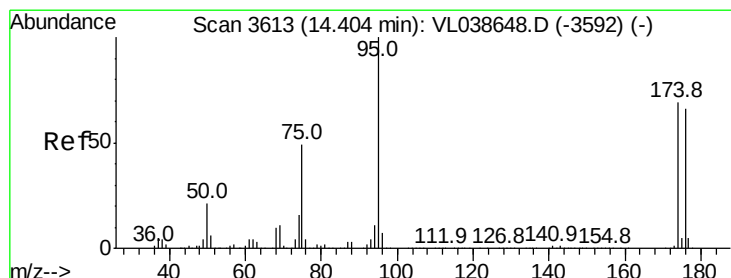
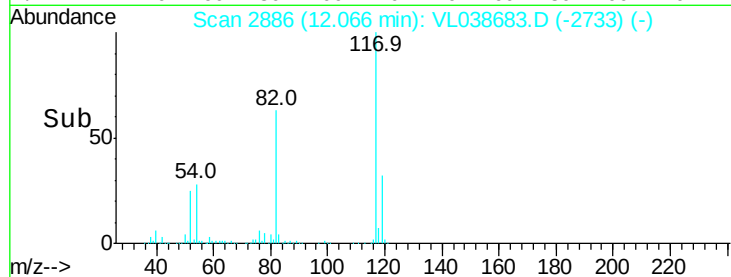
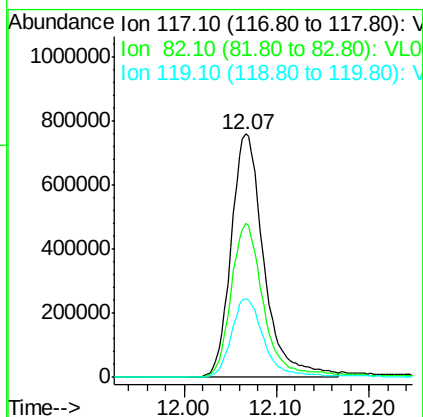
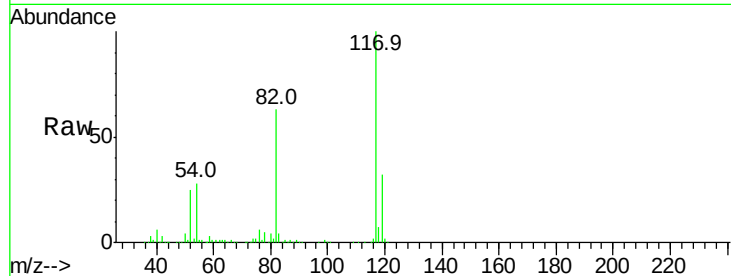
Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0322ABL01
 Acq: 22 Mar 2022 14:00

Tgt Ion: 117 Resp: 1867603
 Ion Ratio Lower Upper
 117 100
 82 64.0 51.6 77.4
 119 33.3 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.29 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.01 min
 Lab File: VL038683.D
 Acq: 22 Mar 2022 14:00

Tgt Ion: 95 Resp: 1329721
 Ion Ratio Lower Upper
 95 100
 174 73.3 56.1 84.1
 175 5.3 4.2 6.2

