

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038662.D
 Acq On : 21 Mar 2022 22:40
 Operator : SY/AP
 Sample : QC031722 CAN 10323
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031722 CAN 10323

Quant Time: Mar 22 03:51:00 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	5.66	49	850860	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2184044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1946068	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1403136	9.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

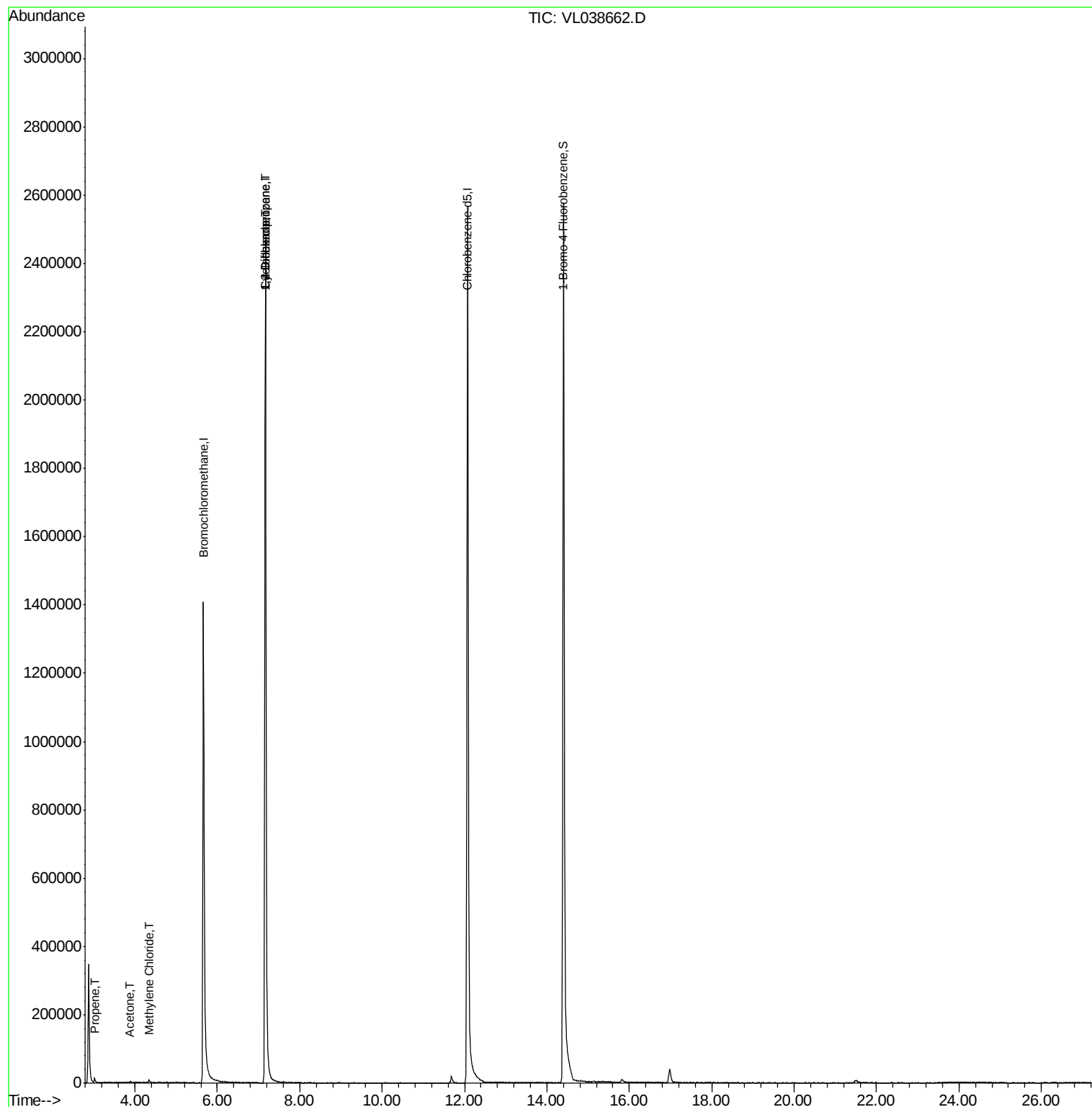
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	3837	0.09	ppbv	88
15) Acetone	3.89	43	3150	0.04	ppbv #	67
20) Methylene Chloride	4.34	84	1663	0.05	ppbv #	55
30) Cyclohexane	7.15	84	2333	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	510892	7.75	ppbv #	29

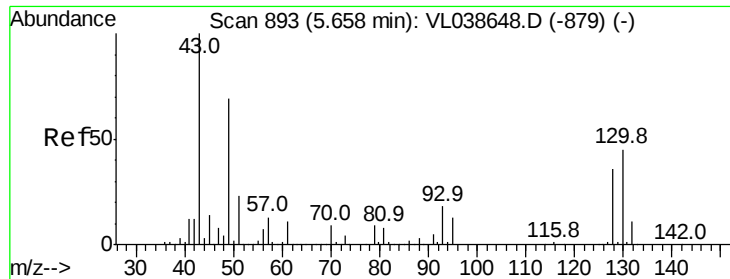
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 22:40 OC031722 CAN 10323

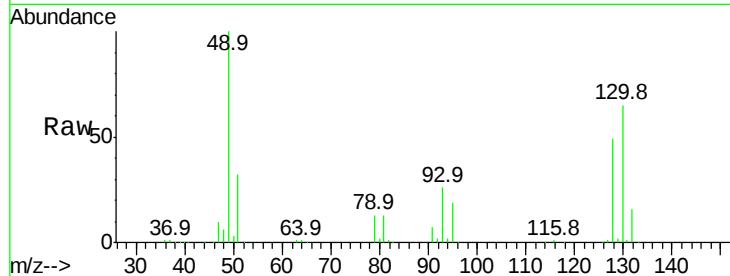
Tgt Ion: 49 Resp: 850860

Ion Ratio Lower Upper

49 100

128 52.3 26.2 78.6

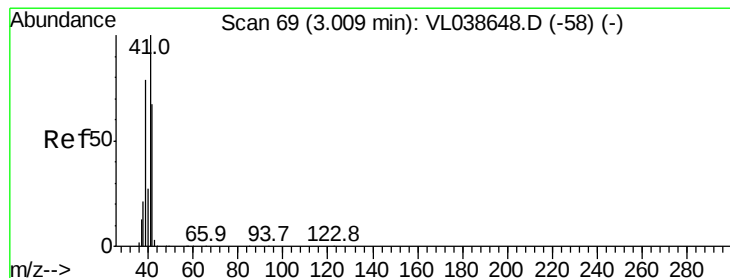
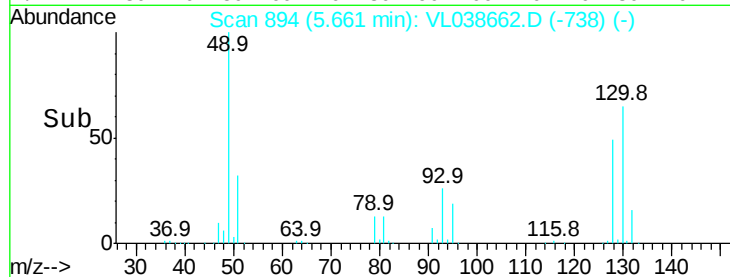
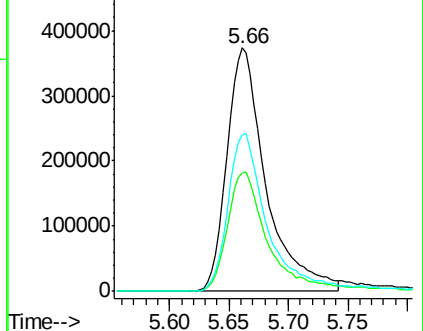
130 67.0 33.7 101.1



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



#9

Propene

Concen: 0.09 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038662.D

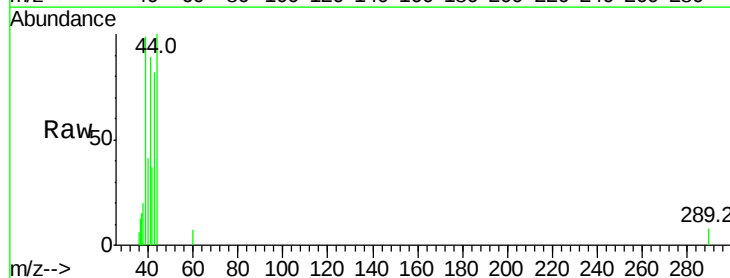
Acq: 21 Mar 2022 22:40

Tgt Ion: 41 Resp: 3837

Ion Ratio Lower Upper

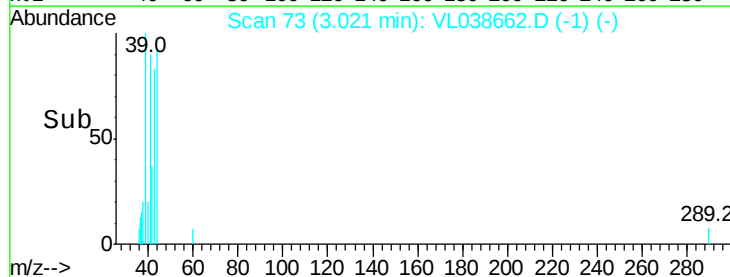
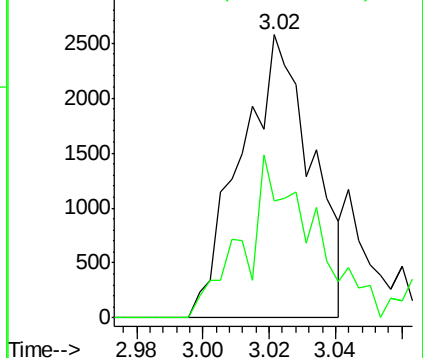
41 100

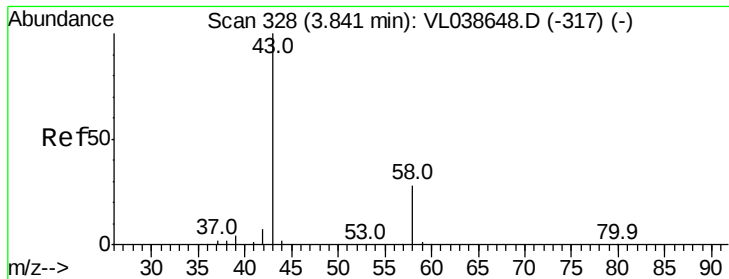
42 60.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.04 ppbv

RT: 3.89 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

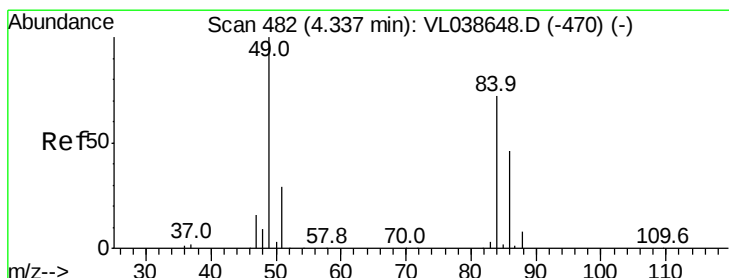
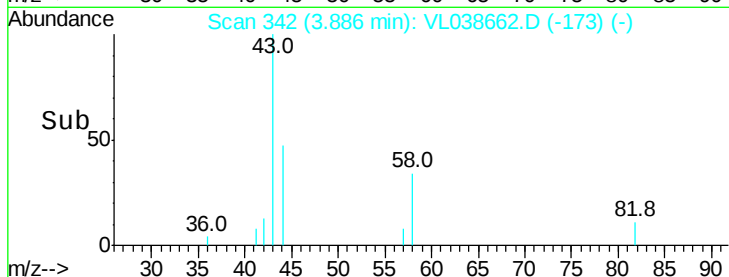
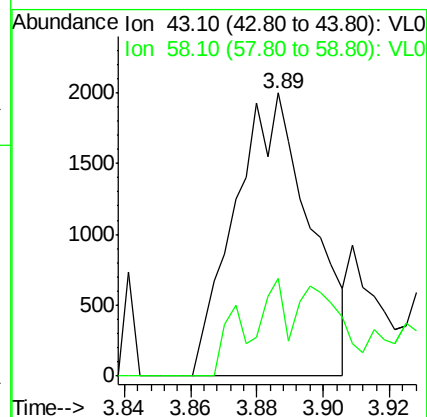
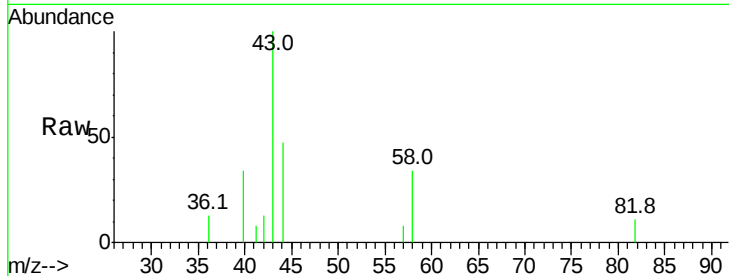
Acq: 21 Mar 2022 22:40

Tgt Ion: 43 Resp: 3150

Ion Ratio Lower Upper

43 100

58 46.6 23.3 34.9#



#20

Methylene Chloride

Concen: 0.05 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038662.D

Acq: 21 Mar 2022 22:40

Tgt Ion: 84 Resp: 1663

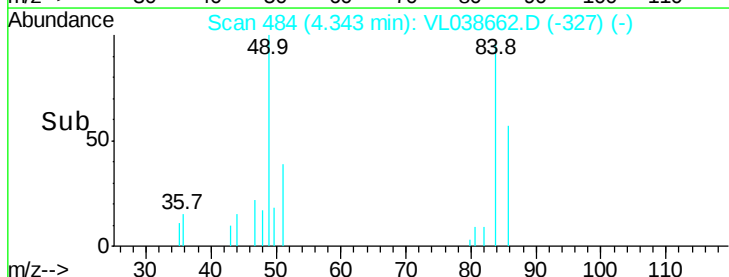
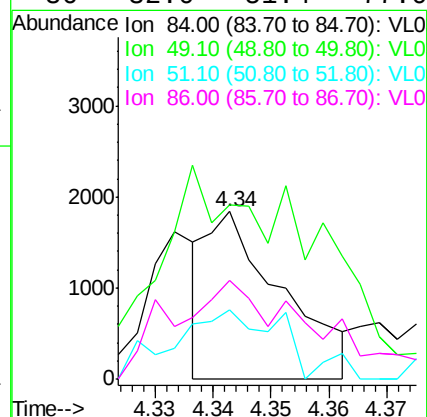
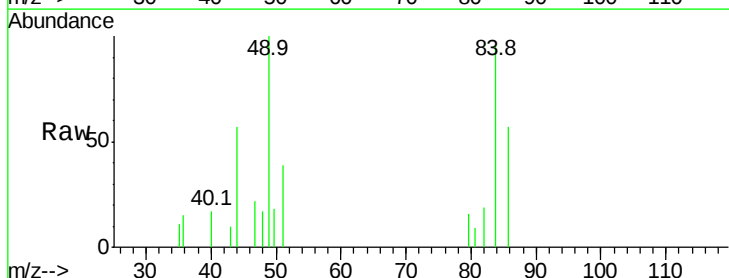
Ion Ratio Lower Upper

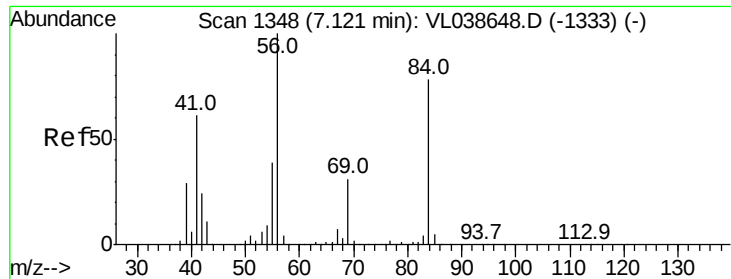
84 100

49 69.5 111.2 166.8#

51 36.5 32.8 49.2

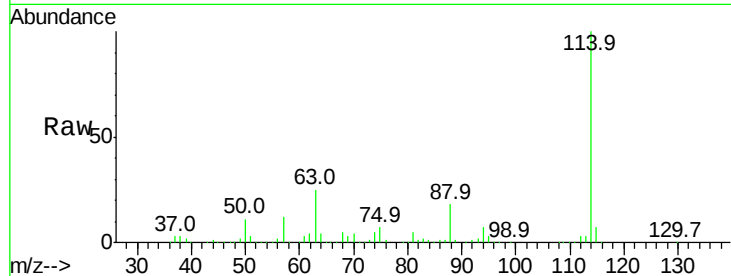
86 32.0 51.4 77.0#



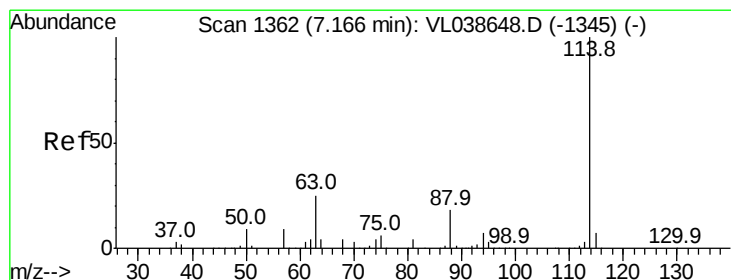
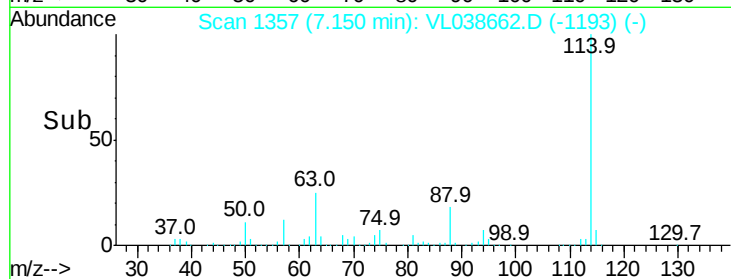
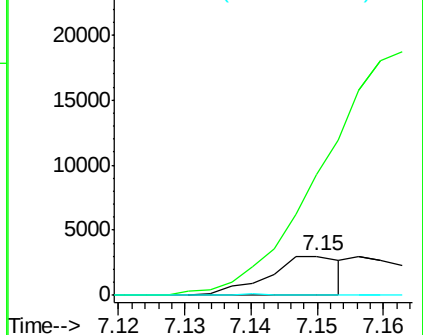


#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
QC031722 CAN 10323
Acq: 21 Mar 2022 22:40

Tgt Ion: 84 Resp: 2333
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 1.3 61.8 92.6#

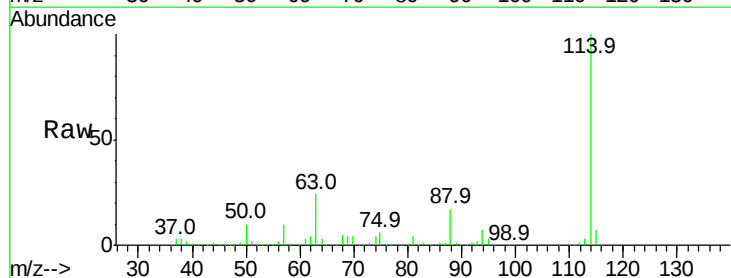


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

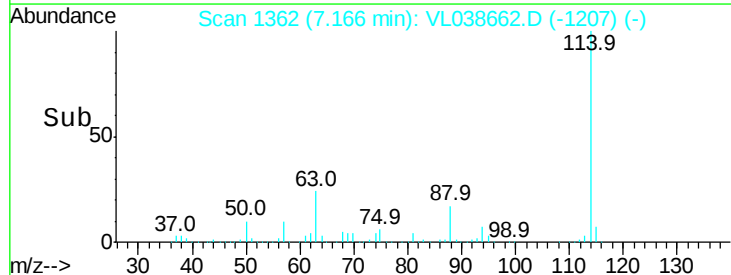
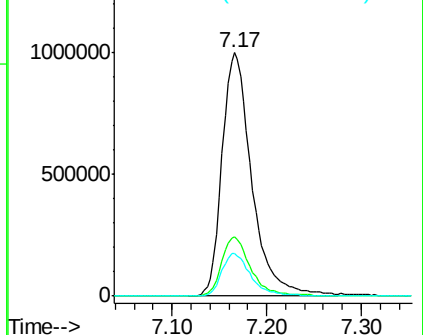


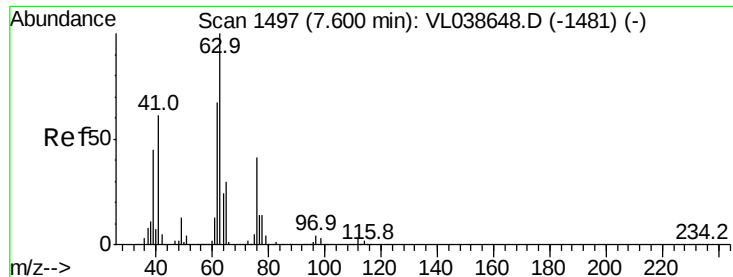
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1362
Delta R.T.: -0.00 min
Lab File: VL038662.D
Acq: 21 Mar 2022 22:40

Tgt Ion: 114 Resp: 2184044
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.0
88 17.5 13.9 20.9



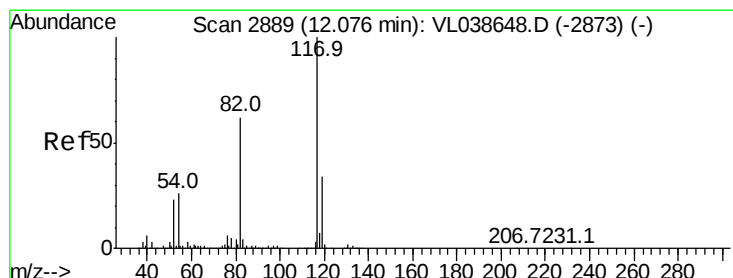
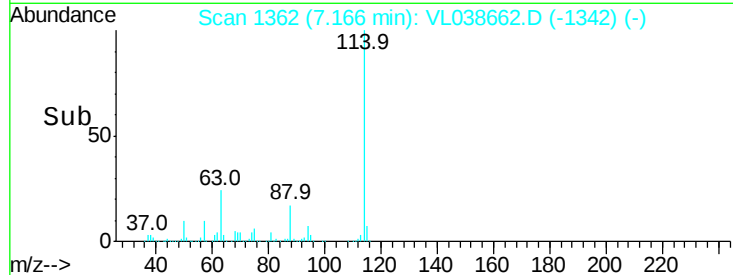
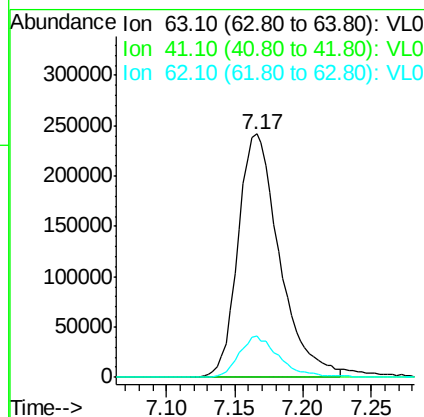
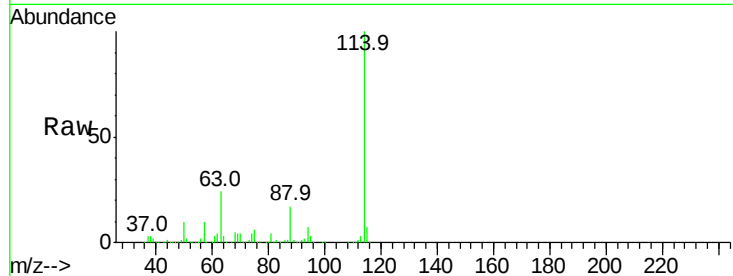
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





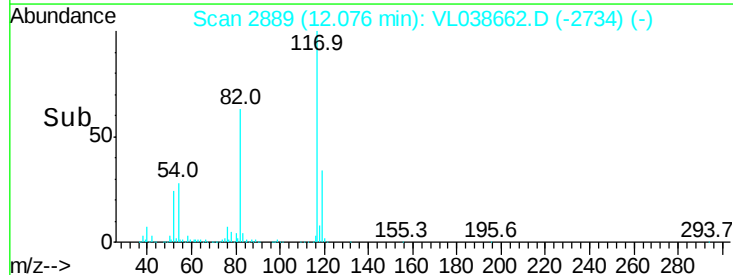
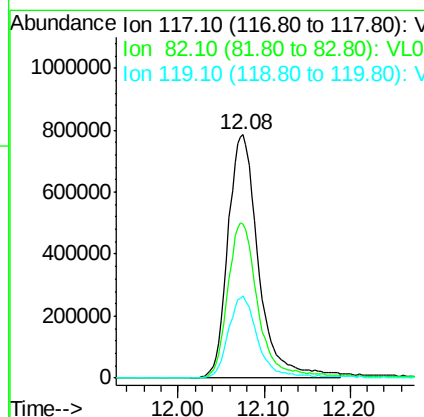
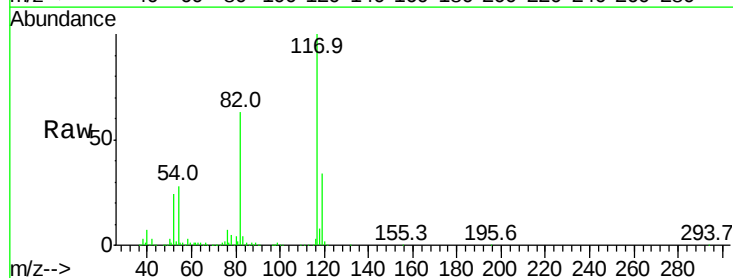
#39
 1,2-Dichloropropane
 Concen: 7.75 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 OC031722 CAN 10323
 Acq: 21 Mar 2022 22:40

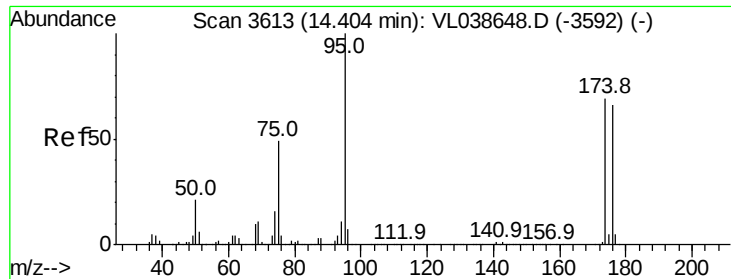
Tgt Ion: 63 Resp: 510892
 Ion Ratio Lower Upper
 63 100
 41 0.1 49.0 73.6#
 62 16.9 53.9 80.9#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T.: -0.00 min
 Lab File: VL038662.D
 Acq: 21 Mar 2022 22:40

Tgt Ion: 117 Resp: 1946068
 Ion Ratio Lower Upper
 117 100
 82 64.7 51.6 77.4
 119 33.3 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.40 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

QC031722 CAN 10323

Acq: 21 Mar 2022 22:40

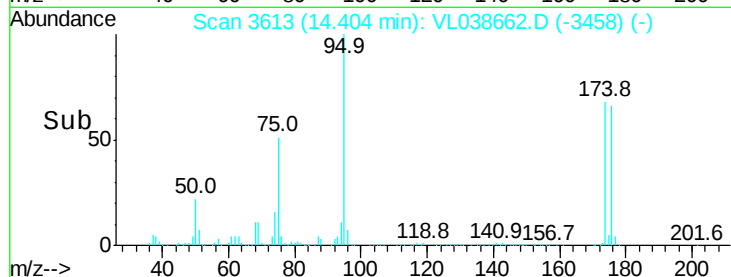
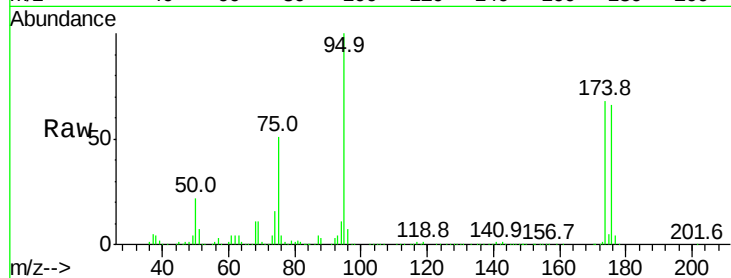
Tgt Ion: 95 Resp: 1403136

Ion Ratio Lower Upper

95 100

174 73.1 56.1 84.1

175 5.3 4.2 6.2



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

