

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038478.D
 Acq On : 2 Mar 2022 12:35
 Operator : SY/AP
 Sample : QC030122 CAN 10118
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030122 CAN 10118

Quant Time: Mar 02 22:36:00 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	950212	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2234737	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	1863654	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1552476	10.07	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

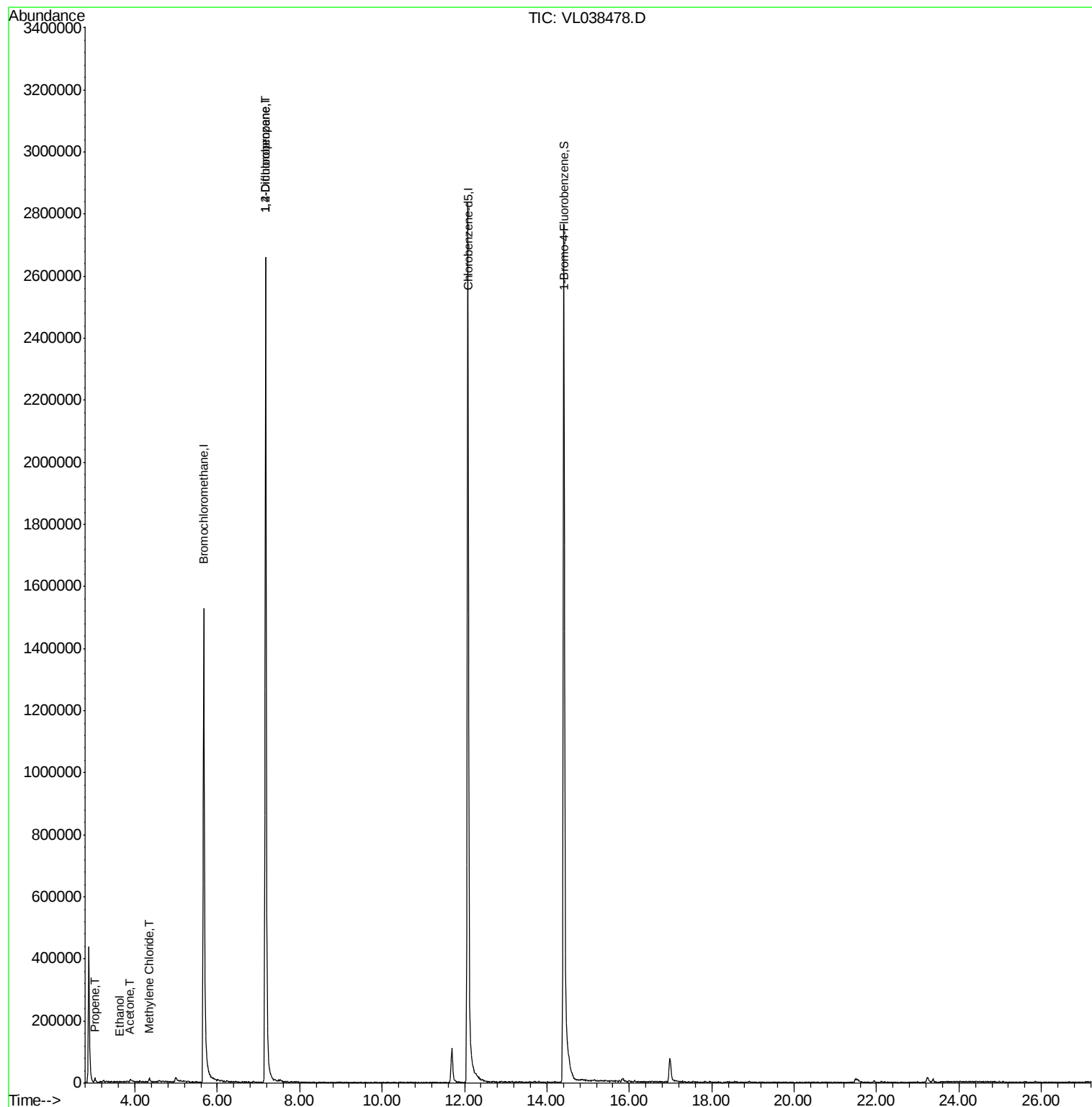
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	3316	0.06	ppbv #	72
13) Ethanol	3.63	45	169	0.03	ppbv #	31
15) Acetone	3.89	43	7062	0.09	ppbv #	37
20) Methylene Chloride	4.34	84	1602	0.04	ppbv #	62
39) 1,2-Dichloropropane	7.17	63	607748	7.76	ppbv #	25

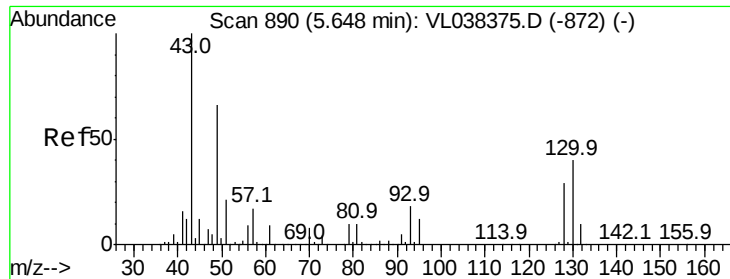
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 12:35 OC030122 CAN 10118

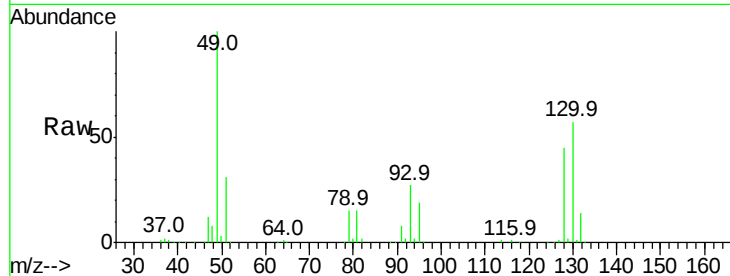
Tgt Ion: 49 Resp: 950212

Ion Ratio Lower Upper

49 100

128 46.9 24.3 72.9

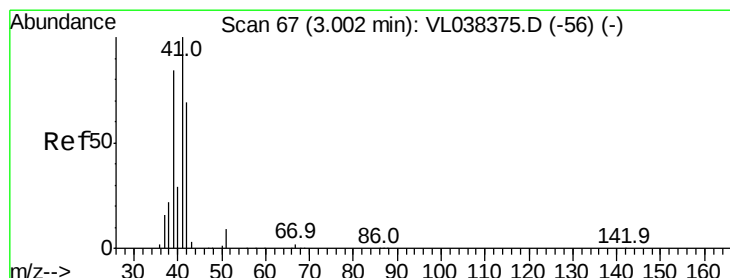
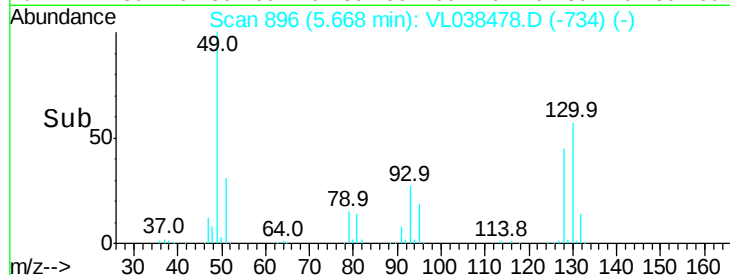
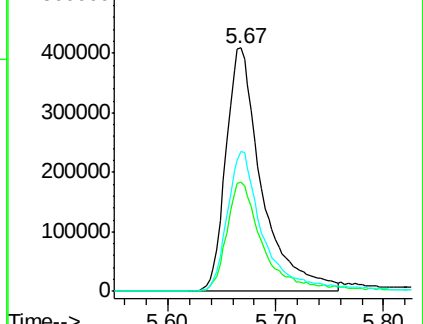
130 58.2 30.1 90.5



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: 0.06 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038478.D

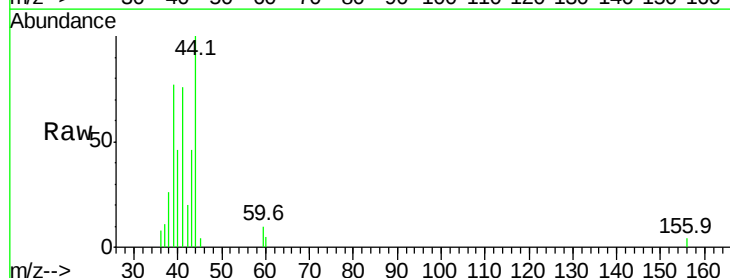
Acq: 2 Mar 2022 12:35

Tgt Ion: 41 Resp: 3316

Ion Ratio Lower Upper

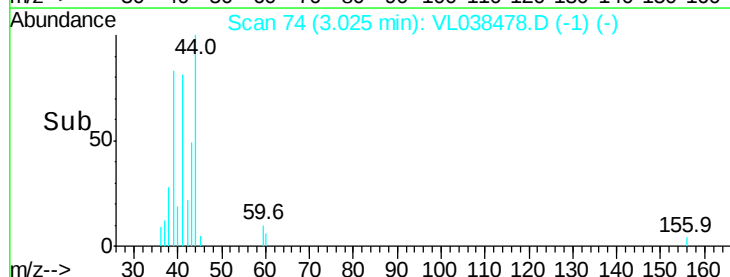
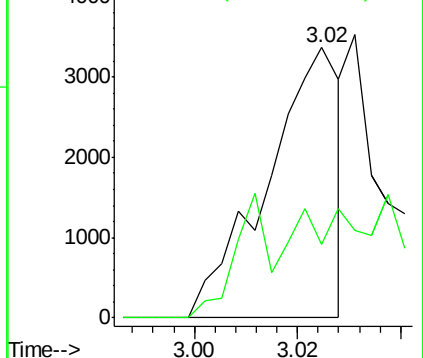
41 100

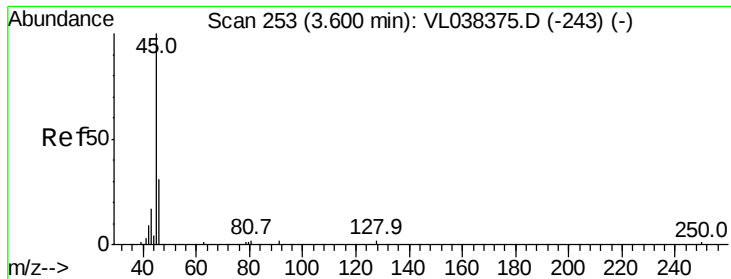
42 91.4 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

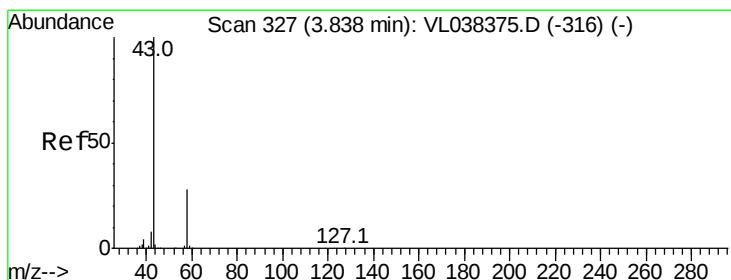
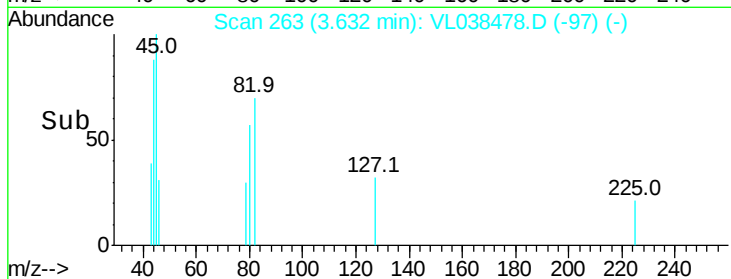
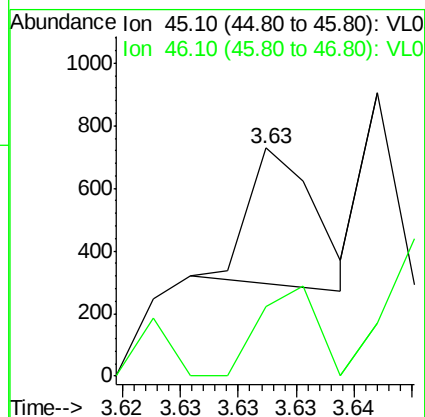
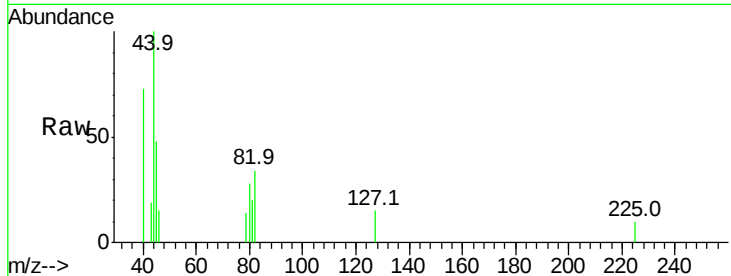
Ion 42.10 (41.80 to 42.80): VL0





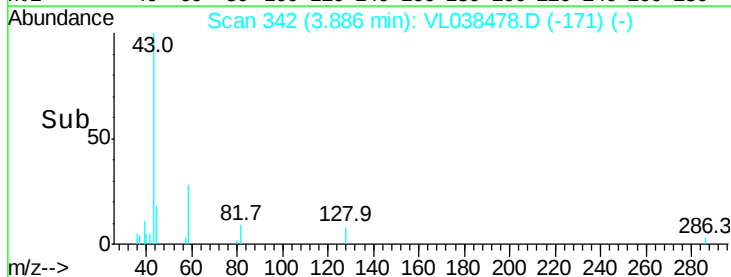
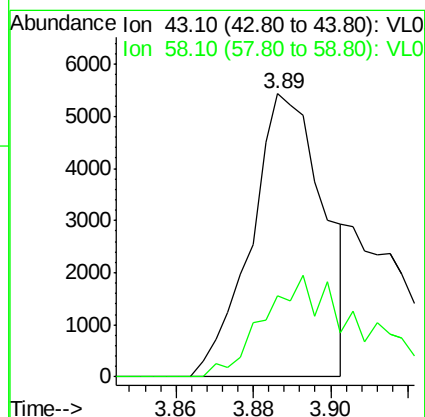
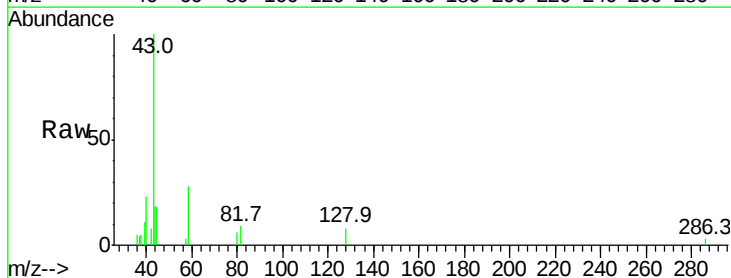
#13
Ethanol
Concen: 0.03 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampled :
OC030122 CAN 10118
Acq: 2 Mar 2022 12:35

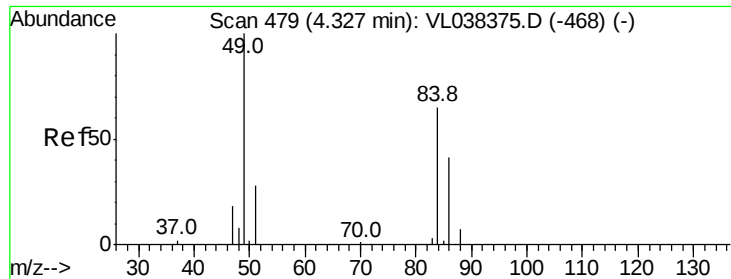
Tgt Ion: 45 Resp: 169
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#15
Acetone
Concen: 0.09 ppbv
RT: 3.89 min Scan# 342
Delta R.T. 0.05 min
Lab File: VL038478.D
Acq: 2 Mar 2022 12:35

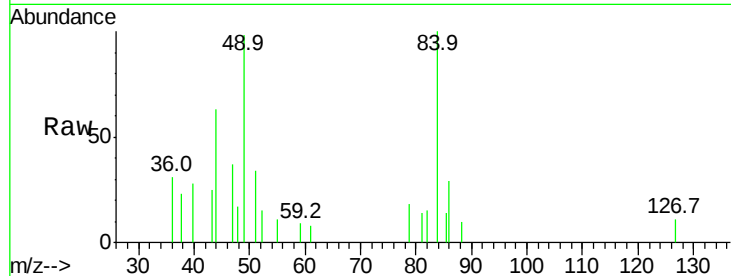
Tgt Ion: 43 Resp: 7062
Ion Ratio Lower Upper
43 100
58 59.6 21.7 32.5#



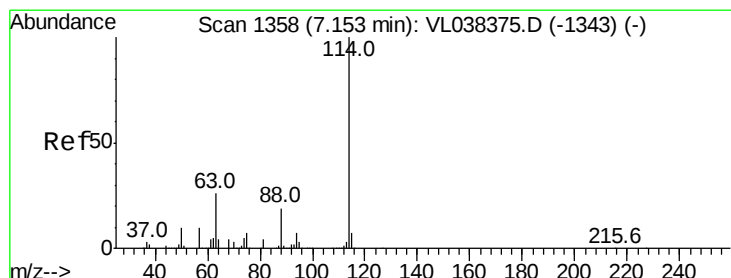
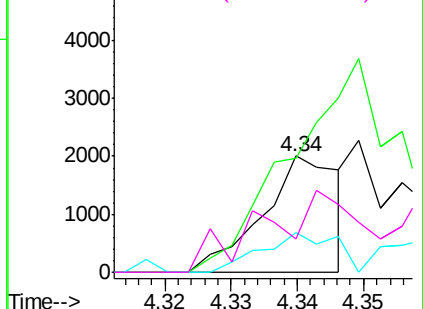
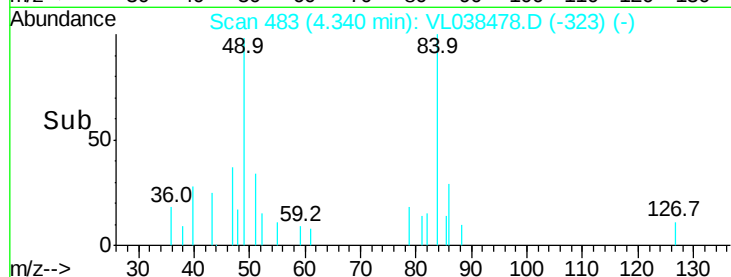


#20
Methylene Chloride
Concen: 0.04 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
OC030122 CAN 10118
Acq: 2 Mar 2022 12:35

Tgt Ion: 84 Resp: 1602
Ion Ratio Lower Upper
84 100
49 97.8 122.4 183.6#
51 34.3 33.3 49.9
86 28.7 50.7 76.1#

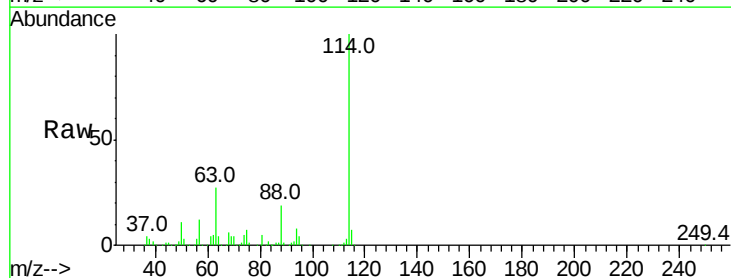


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

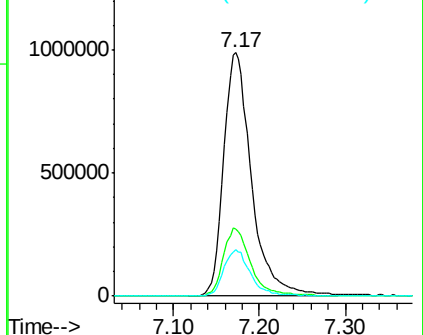
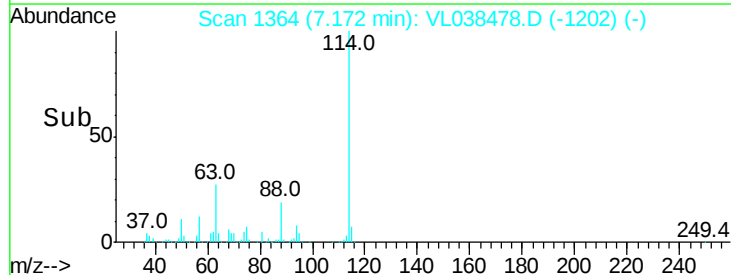


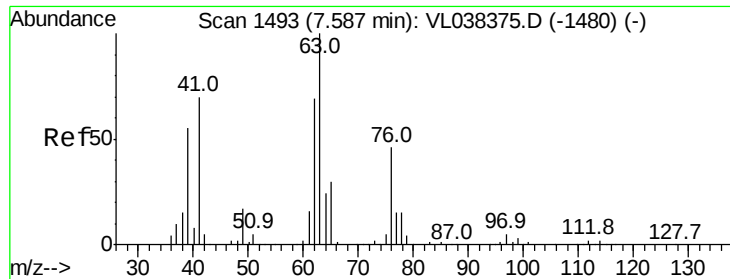
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.02 min
Lab File: VL038478.D
Acq: 2 Mar 2022 12:35

Tgt Ion: 114 Resp: 2234737
Ion Ratio Lower Upper
114 100
63 27.9 22.2 33.2
88 18.7 15.2 22.8



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: 7.76 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 12:35 OC030122 CAN 10118

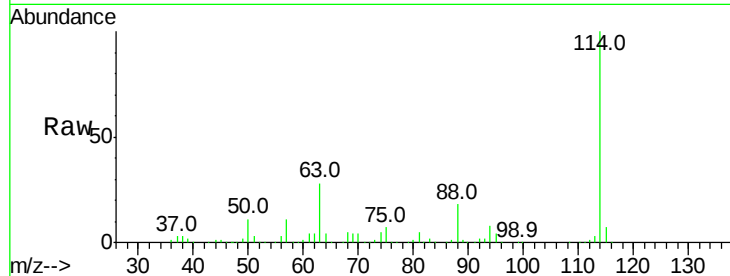
Tgt Ion: 63 Resp: 607748

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

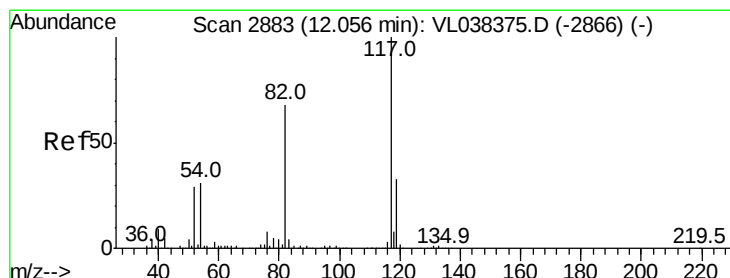
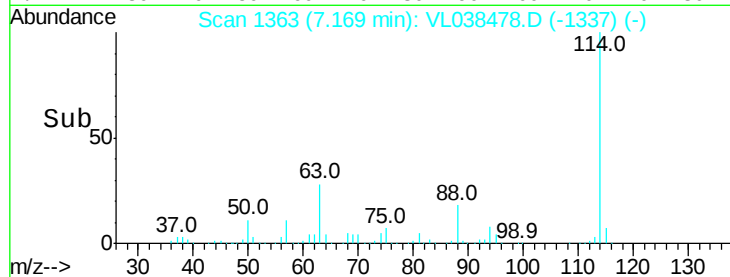
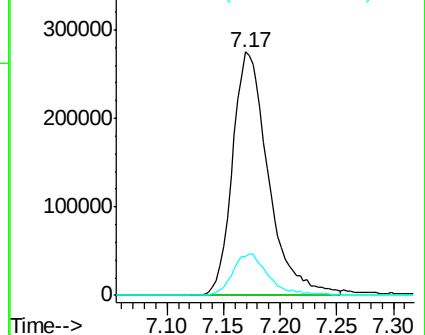
62 15.9 55.5 83.3#



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 Scan# 2890

Delta R.T. 0.02 min

Lab File: VL038478.D

Acq: 2 Mar 2022 12:35

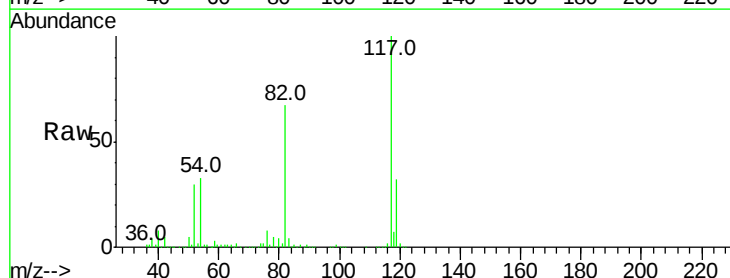
Tgt Ion: 117 Resp: 1863654

Ion Ratio Lower Upper

117 100

82 74.4 54.9 82.3

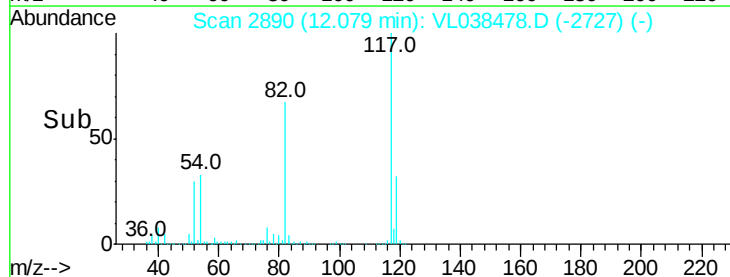
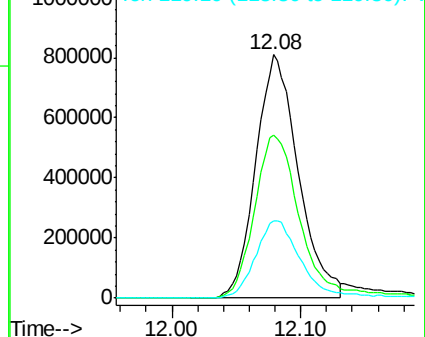
119 35.0 46.1 69.1#

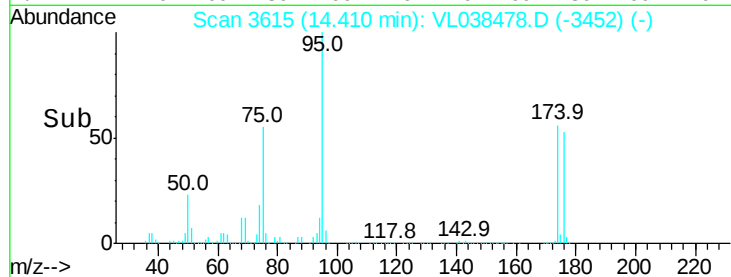
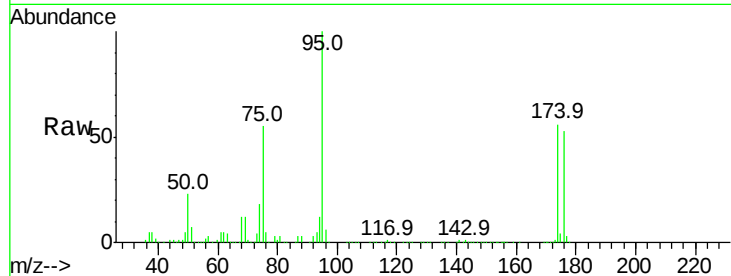
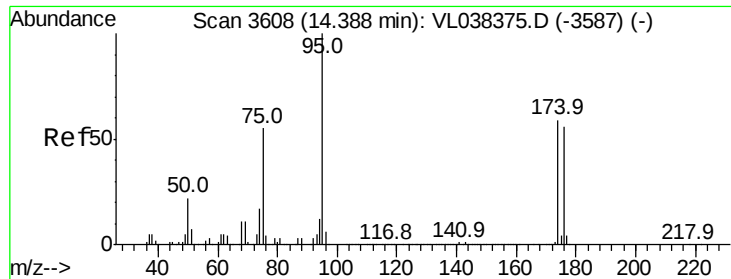


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.07 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

QC030122 CAN 10118

Acq: 2 Mar 2022 12:55

Tgt Ion: 95 Resp: 1552476

Ion Ratio Lower Upper

95 100

174 61.5 49.0 73.4

175 4.5 3.6 5.4

