

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052522\
 Data File : VL039118.D
 Acq On : 25 May 2022 15:28
 Operator : SY/AP
 Sample : QC052422 CAN 10060
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052422 CAN 10060

Quant Time: May 26 07:57:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1075653	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2507821	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2042116	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1676660	10.37	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

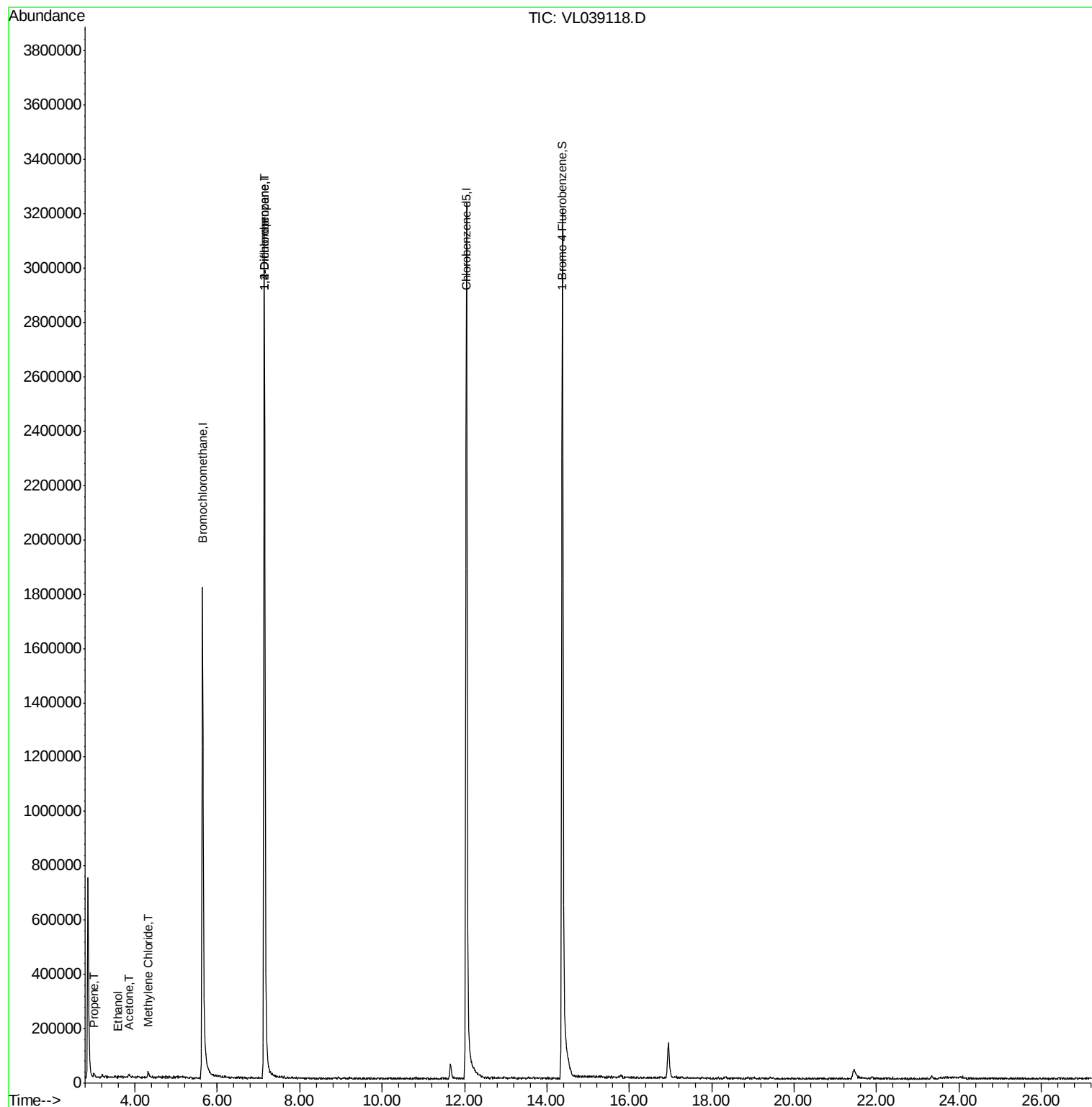
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	1852	0.032	ppbv #	13
13) Ethanol	3.59	45	529	0.128	ppbv #	31
15) Acetone	3.84	43	3398	0.033	ppbv #	48
20) Methylene Chloride	4.32	84	3998	0.105	ppbv	93
39) 1,2-Dichloropropane	7.14	63	688052	8.240	ppbv #	26

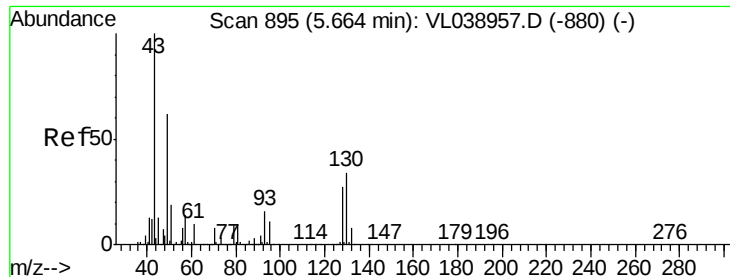
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 May 2022 15:28

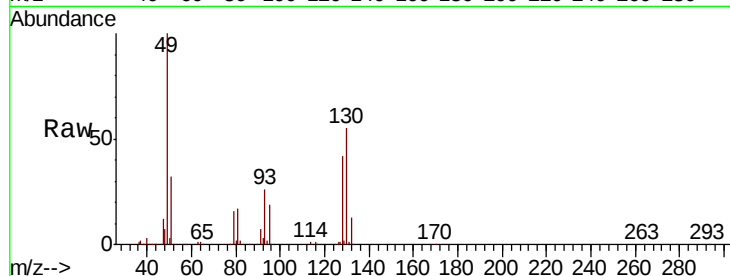
Tot Ion: 49 Resp: 1075653

Ion Ratio Lower Upper

49 100

128 46.3 23.3 69.8

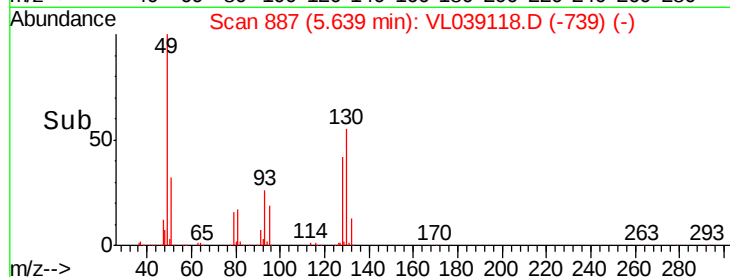
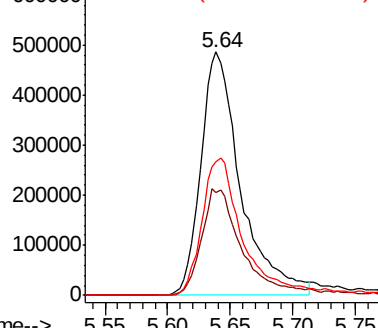
130 60.3 29.8 89.3



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



#9

Propene

Concen: 0.032 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL039118.D

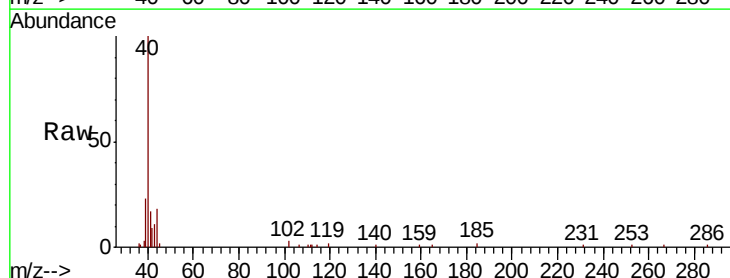
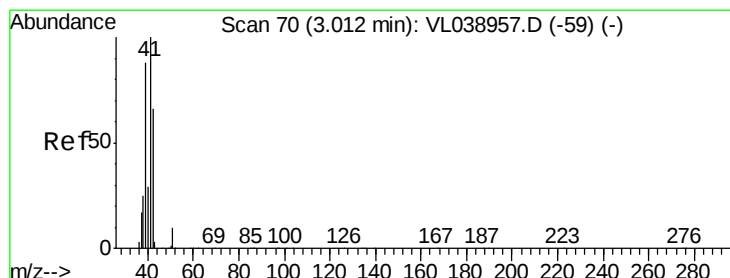
Acq: 25 May 2022 15:28

Tgt Ion: 41 Resp: 1852

Ion Ratio Lower Upper

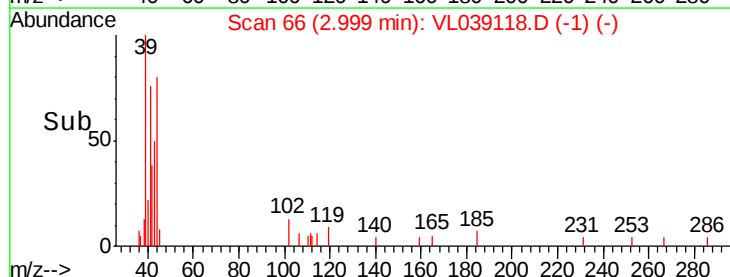
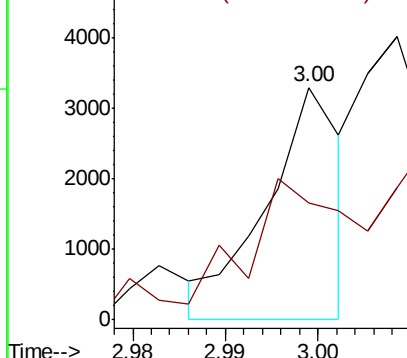
41 100

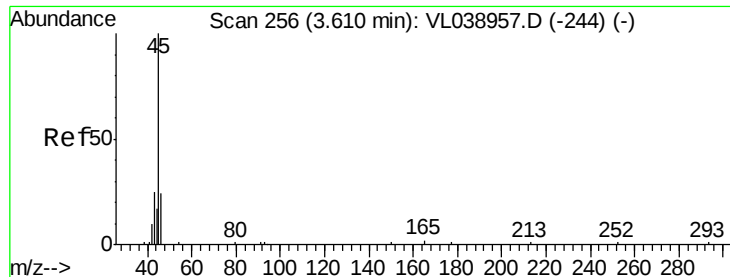
42 0.0 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

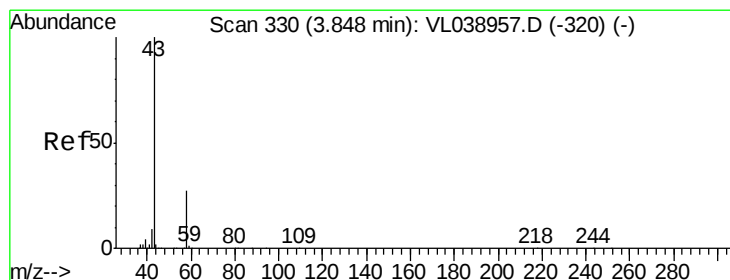
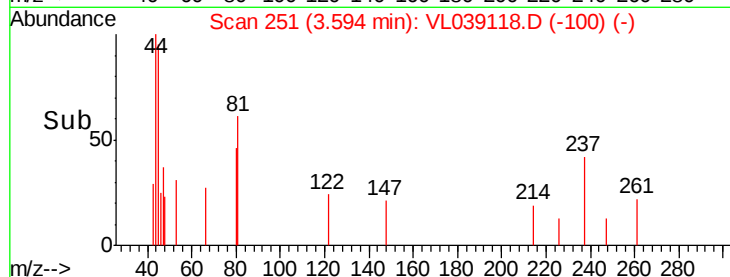
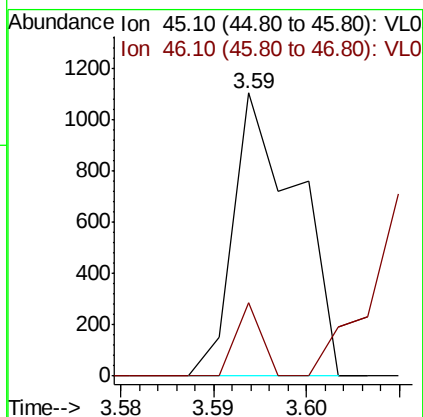
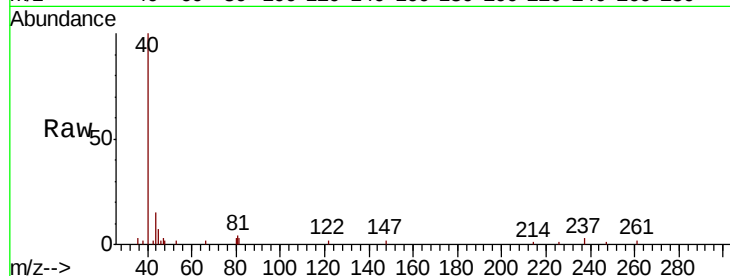
Ion 42.10 (41.80 to 42.80): VL0





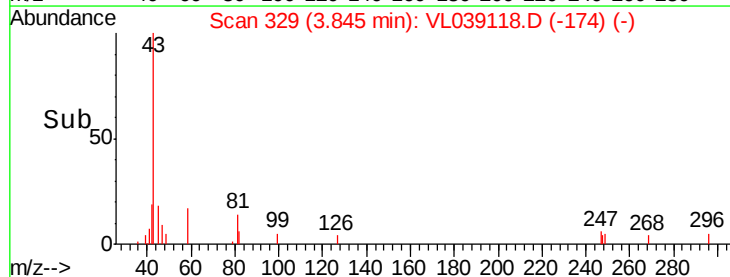
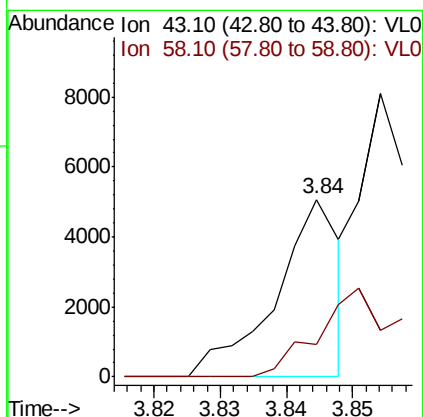
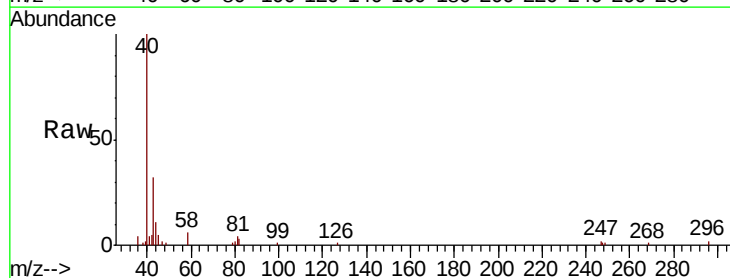
#13
Ethanol
Concen: 0.128 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
OC052422 CAN 10060
Acq: 25 May 2022 15:28

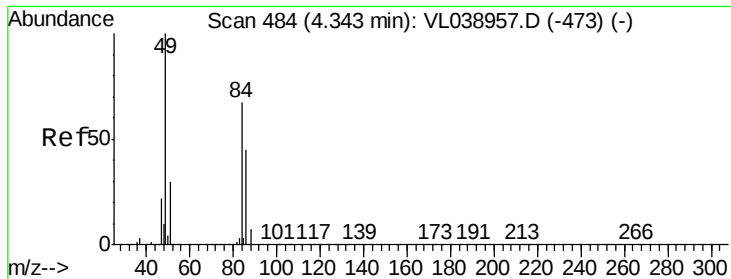
Tot Ion: 45 Resp: 529
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#15
Acetone
Concen: 0.033 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL039118.D
Acq: 25 May 2022 15:28

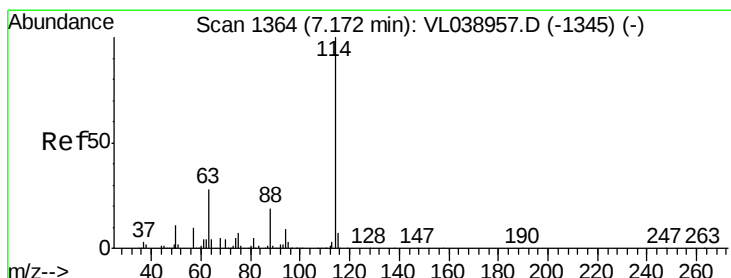
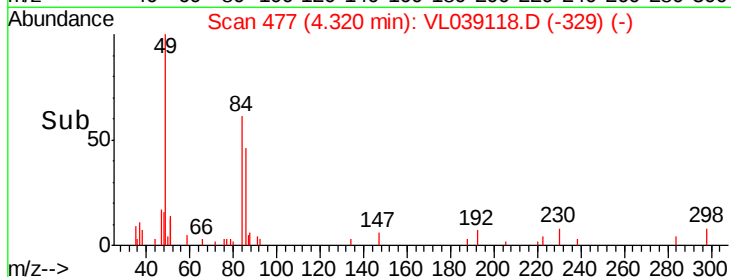
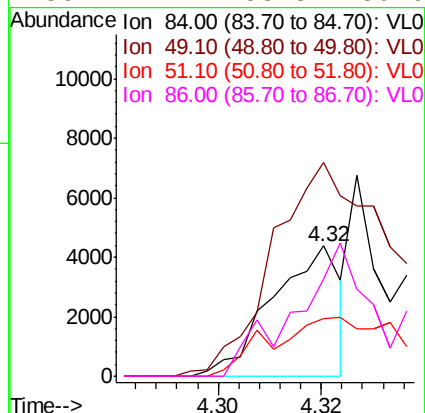
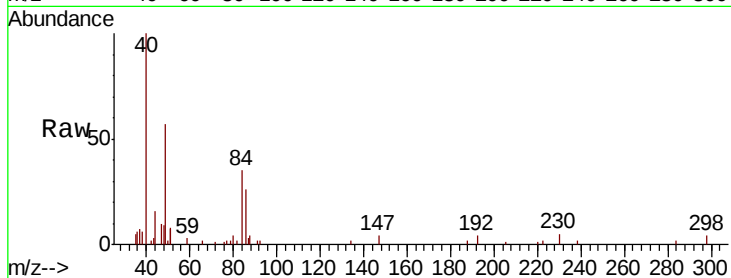
Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
58 0.0 21.3 31.9#





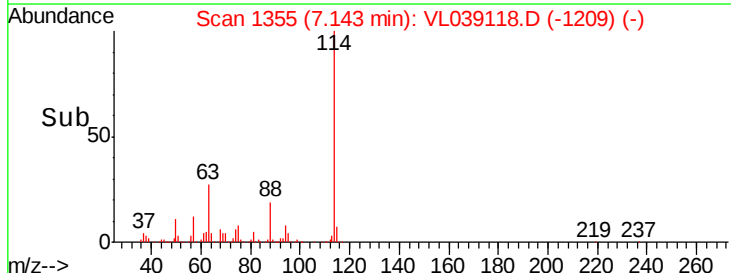
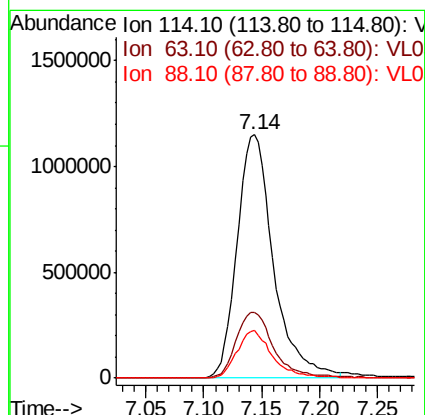
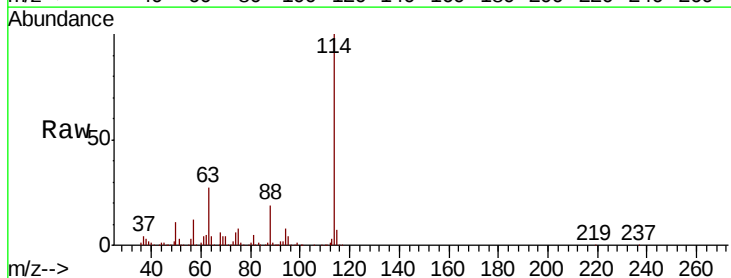
#20
Methylene Chloride
Concen: 0.105 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 May 2022 15:28

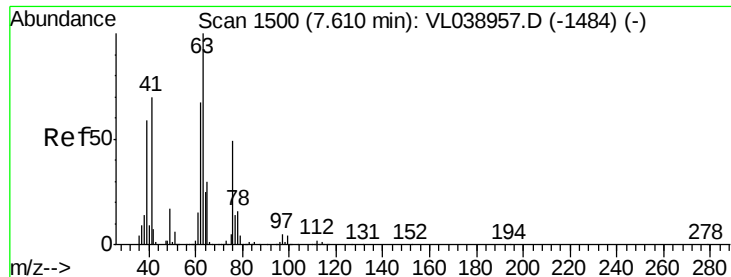
Tot Ion:	84	Resp:	3998
Ion	Ratio	Lower	Upper
84	100		
49	160.2	119.9	179.9
51	44.5	35.7	53.5
86	74.7	53.8	80.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T.: -0.03 min
Lab File: VL039118.D
Acq: 25 May 2022 15:28

Tgt Ion:	114	Resp:	2507821
Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.6	33.8
88	19.3	15.4	23.0





#39

1,2-Dichloropropane

Concen: 8.240 ppbv

RT: 7.14 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 May 2022 15:28

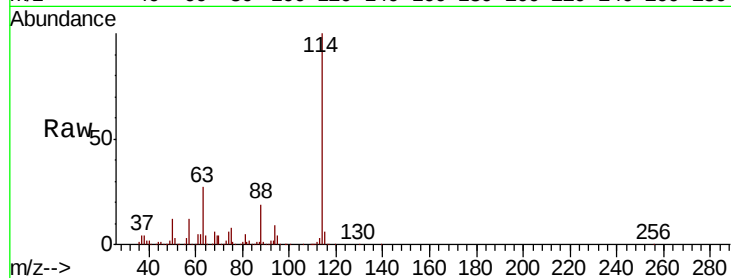
Tot Ion: 63 Resp: 688052

Ion Ratio Lower Upper

63 100

41 0.1 55.9 83.9#

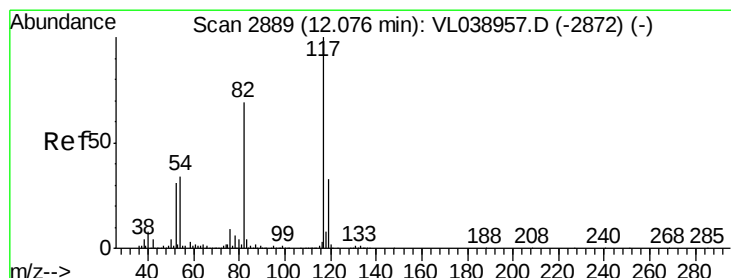
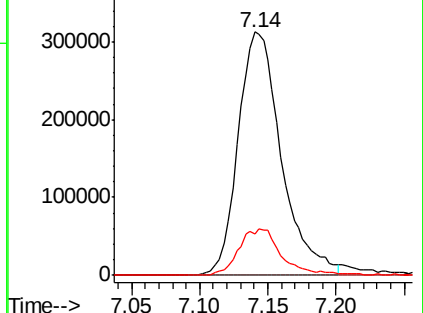
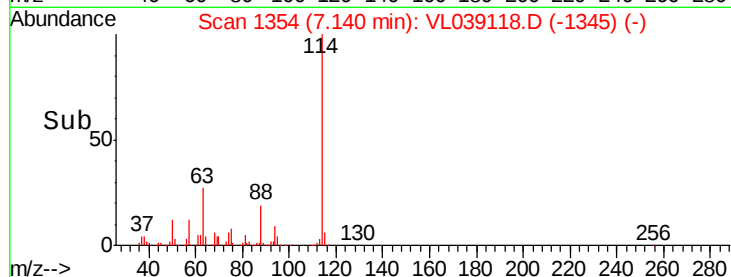
62 16.9 53.8 80.6#



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: 12.05 min Scan# 2880

Delta R.T. -0.03 min

Lab File: VL039118.D

Acq: 25 May 2022 15:28

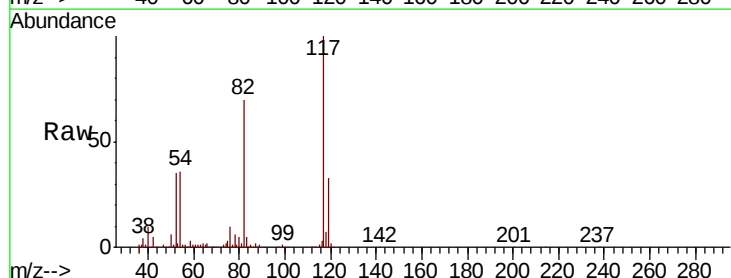
Tgt Ion: 117 Resp: 2042116

Ion Ratio Lower Upper

117 100

82 75.7 57.0 85.6

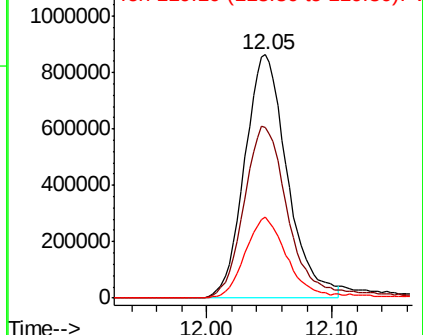
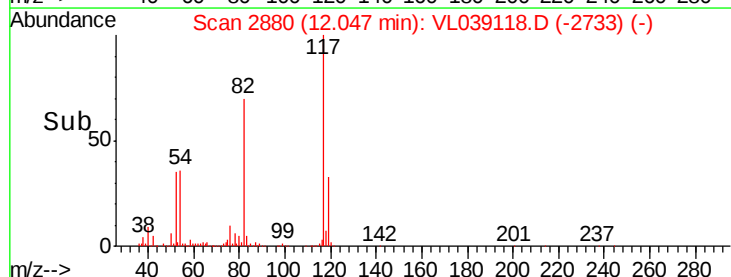
119 34.0 27.2 40.8

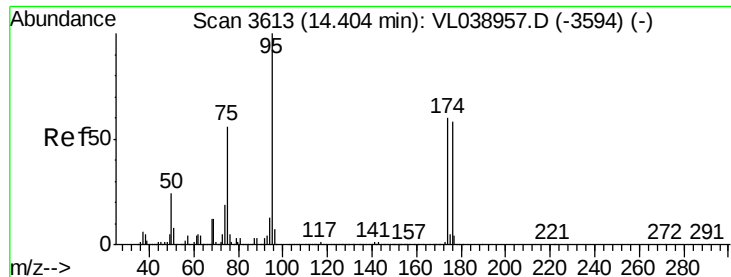


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.367 ppbv

RT: 14.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 May 2022 15:28

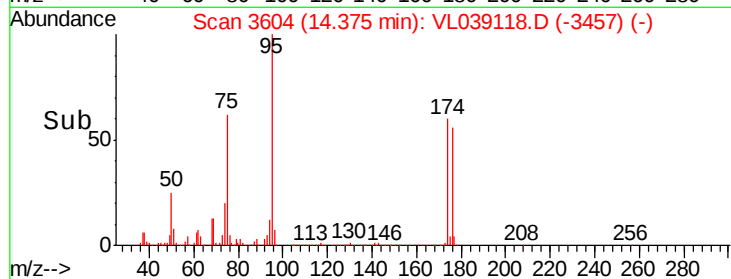
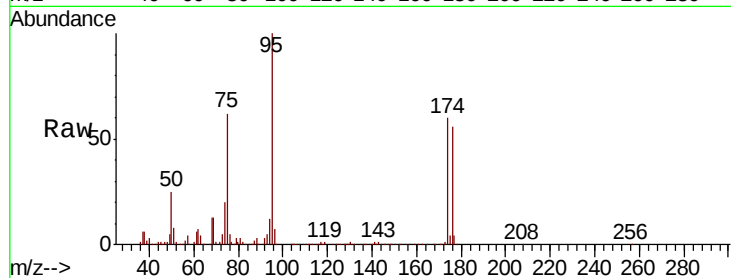
Tot Ion: 95 Resp: 1676660

Ion Ratio Lower Upper

95 100

174 62.1 50.8 76.2

175 4.6 3.8 5.6



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

