

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039012.D
 Acq On : 10 May 2022 9:16
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: May 11 01:43:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1022526	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3008553	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.04	117	2470633	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1817037	9.29	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

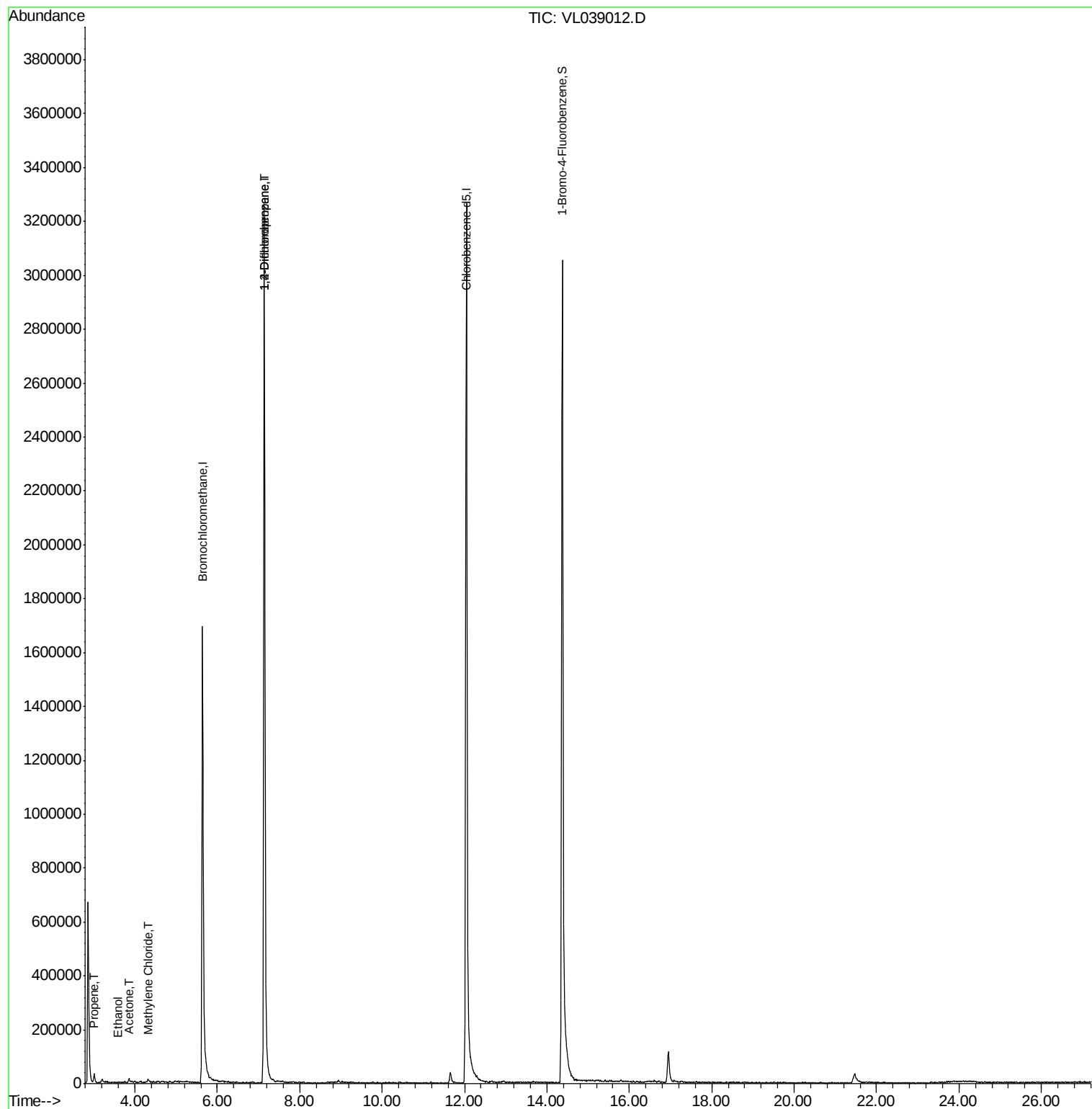
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	6426	0.116	ppbv #	45
13) Ethanol	3.59	45	386	0.098	ppbv #	31
15) Acetone	3.86	43	11968	0.124	ppbv #	25
20) Methylene Chloride	4.32	84	2174	0.060	ppbv #	41
39) 1,2-Dichloropropane	7.14	63	692199	6.910	ppbv #	26

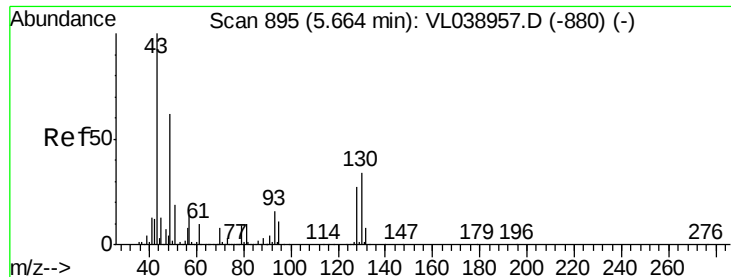
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 10 May 2022 9:16

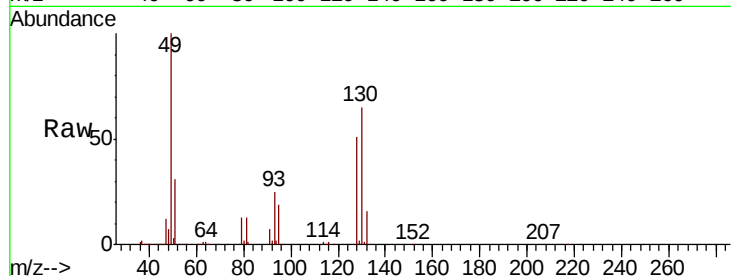
Tot Ion: 49 Resp: 1022526

Ion Ratio Lower Upper

49 100

128 53.7 23.3 69.8

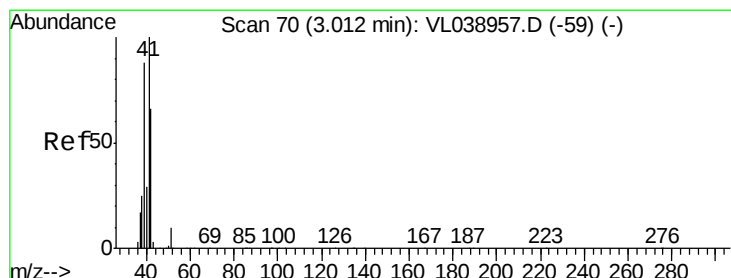
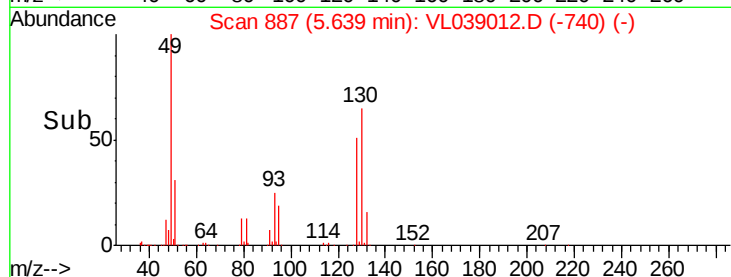
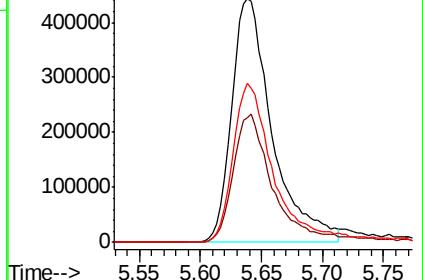
130 68.3 29.8 89.3



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: 0.116 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL039012.D

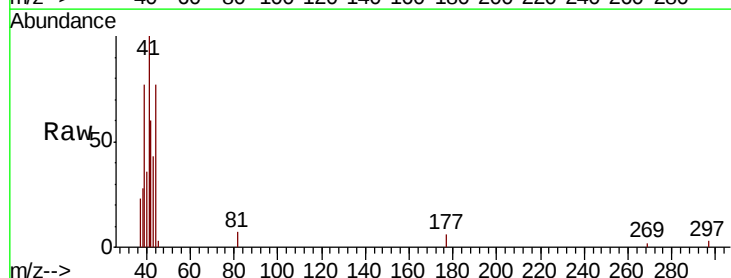
Acq: 10 May 2022 9:16

Tgt Ion: 41 Resp: 6426

Ion Ratio Lower Upper

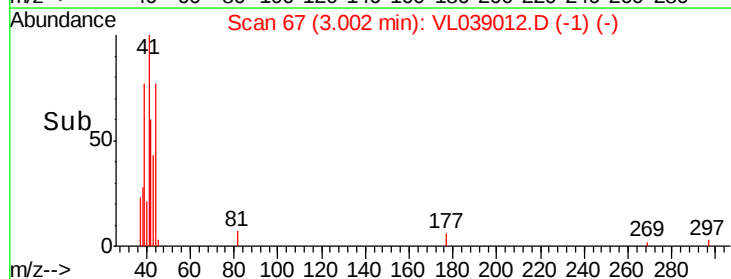
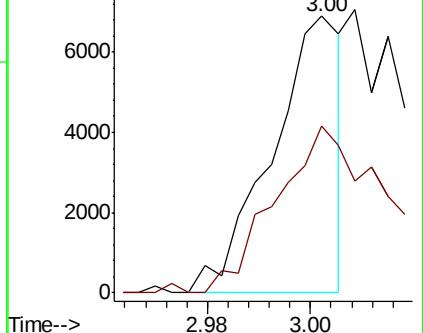
41 100

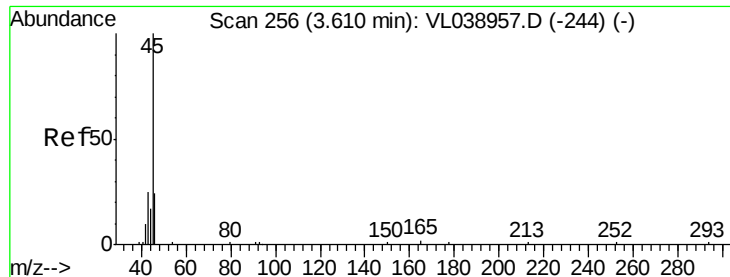
42 118.9 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

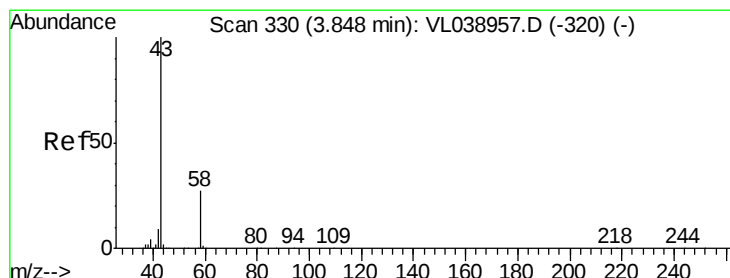
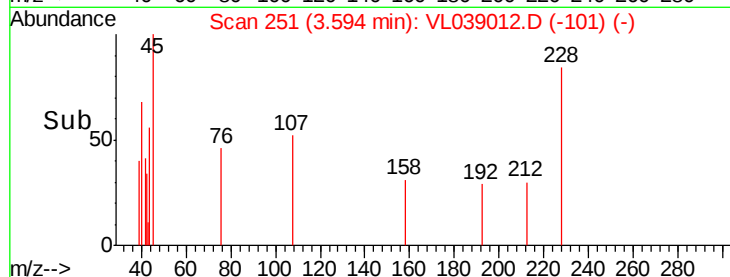
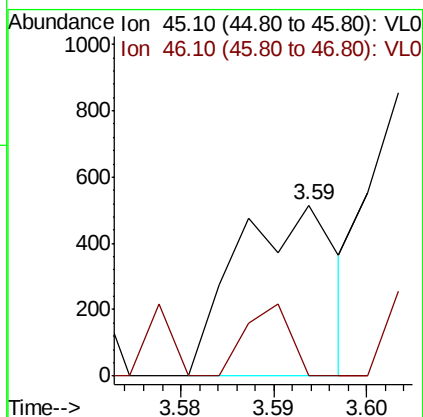
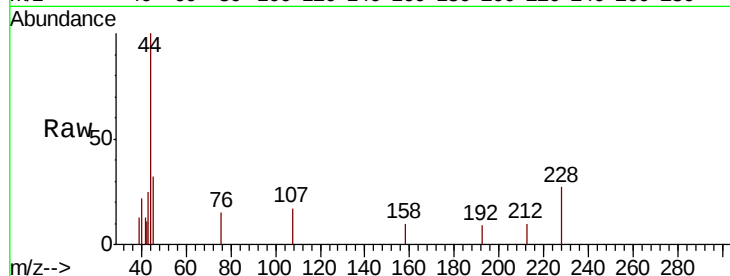
Ion 42.10 (41.80 to 42.80): VL0





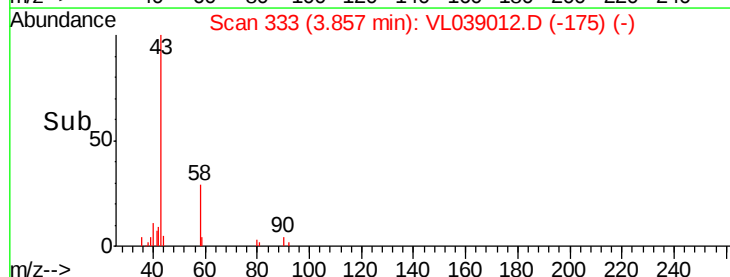
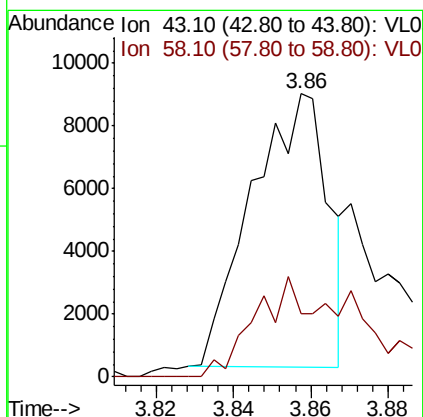
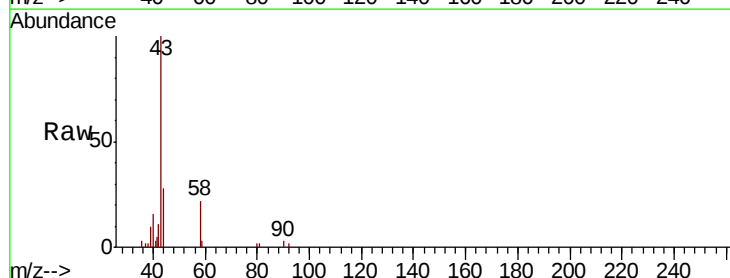
#13
Ethanol
Concen: 0.098 ppbv
RT: 3.59
Delta R.T. MSVOA.L
Lab File: ClientSampleId :
Acq: 10 May 2022 9:16

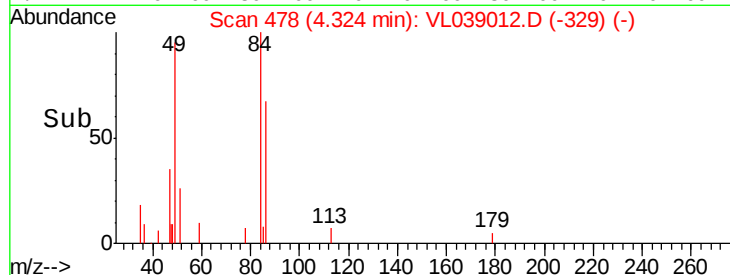
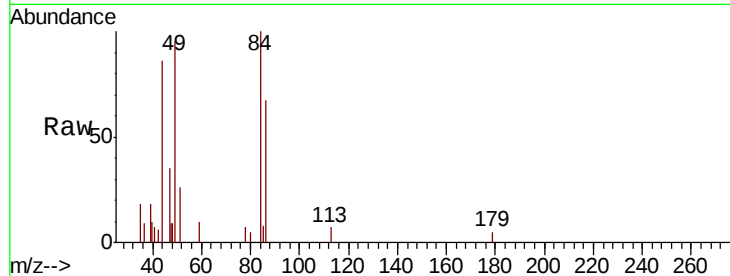
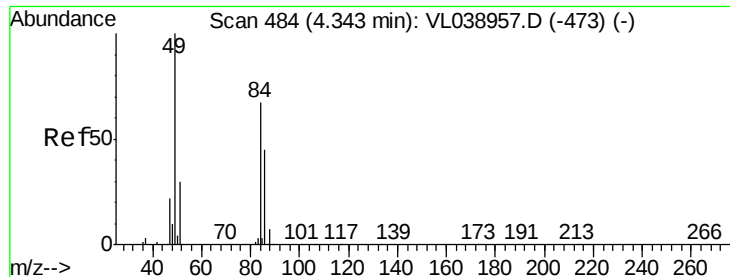
Tot Ion: 45 Resp: 386
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#15
Acetone
Concen: 0.124 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL039012.D
Acq: 10 May 2022 9:16

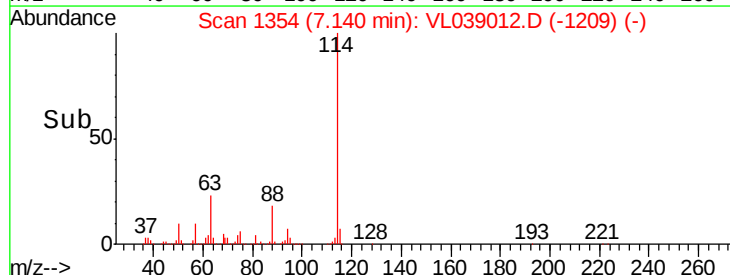
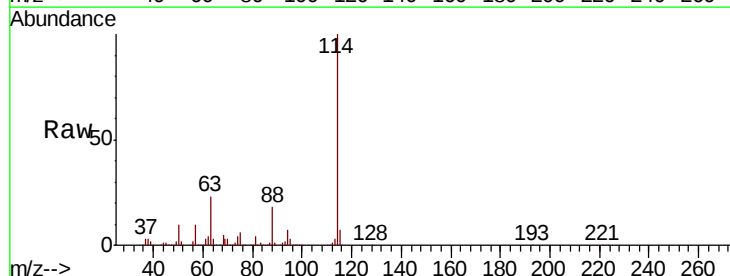
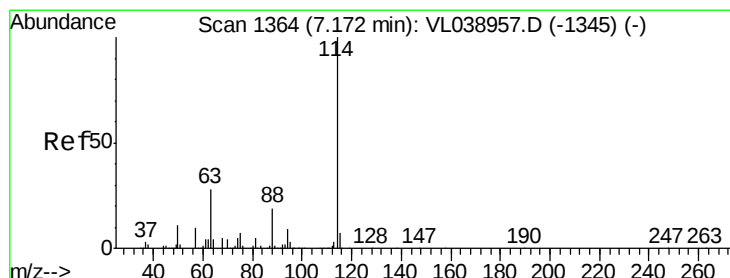
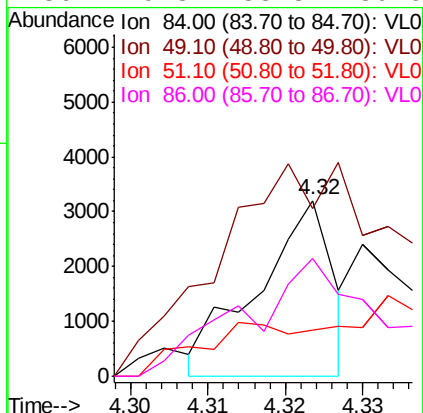
Tgt Ion: 43 Resp: 11968
Ion Ratio Lower Upper
43 100
58 65.4 21.3 31.9#





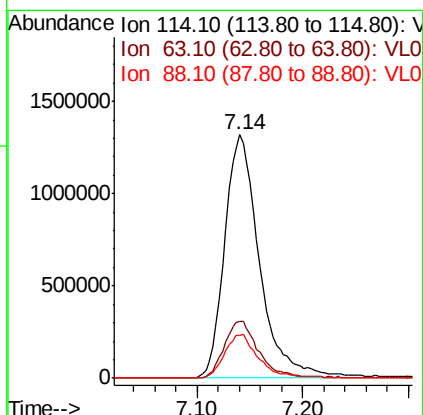
#20
Methvlene Chloride
Concen: 0.060 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 May 2022 9:16

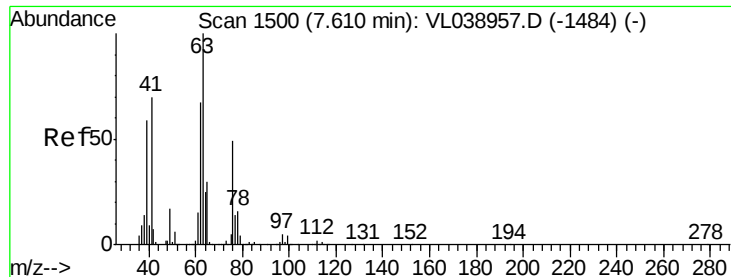
Tot Ion:	84	Resp:	2174
Ion	Ratio	Lower	Upper
84	100		
49	50.6	119.9	179.9#
51	11.0	35.7	53.5#
86	49.3	53.8	80.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.03 min
Lab File: VL039012.D
Acq: 10 May 2022 9:16

Tgt Ion:	114	Resp:	3008553
Ion	Ratio	Lower	Upper
114	100		
63	23.9	22.6	33.8
88	17.8	15.4	23.0





#39

1,2-Dichloropropane

Concen: 6.910 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9:16

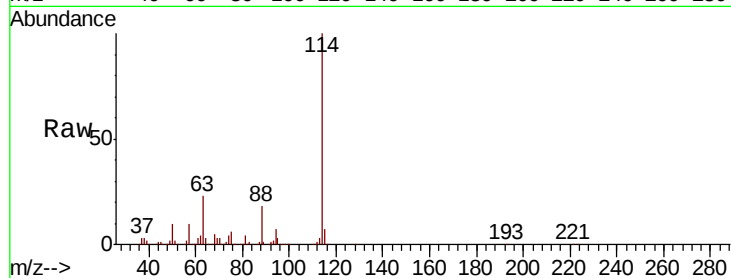
Tot Ion: 63 Resp: 692199

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

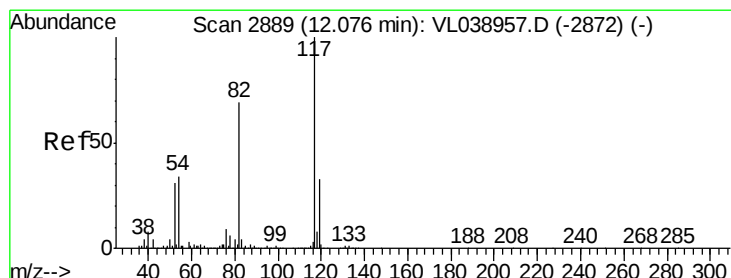
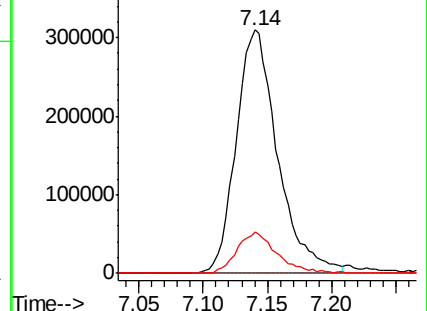
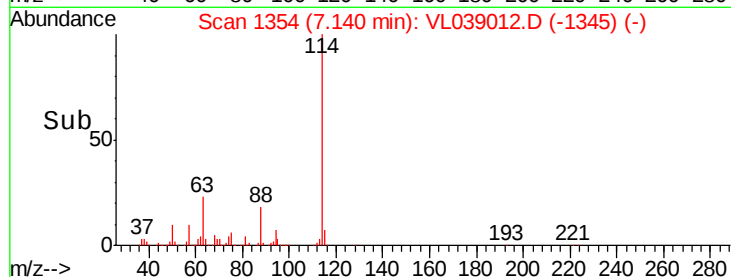
62 16.8 53.8 80.6#



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: 12.04 min Scan# 2878

Delta R.T. -0.04 min

Lab File: VL039012.D

Acq: 10 May 2022 9:16

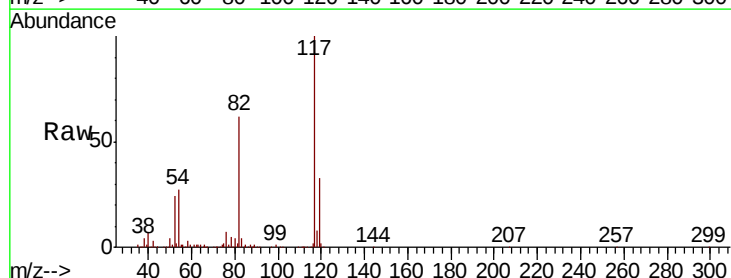
Tgt Ion: 117 Resp: 2470633

Ion Ratio Lower Upper

117 100

82 67.7 57.0 85.6

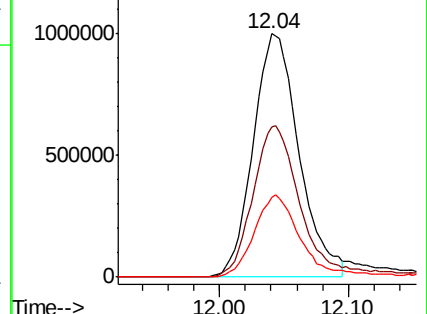
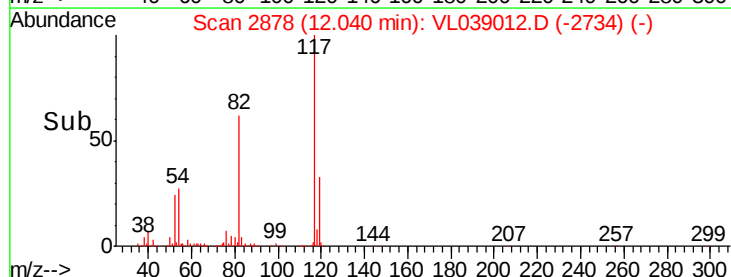
119 35.4 27.2 40.8

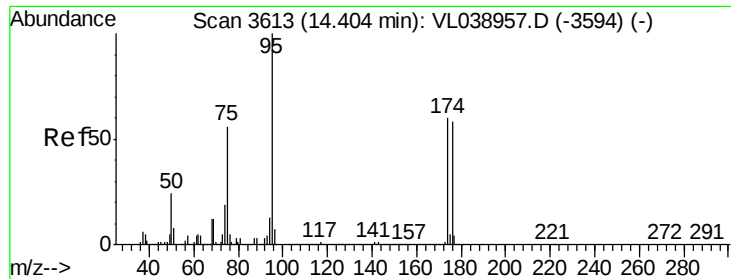


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.287 ppbv

RT: 14.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 9.10

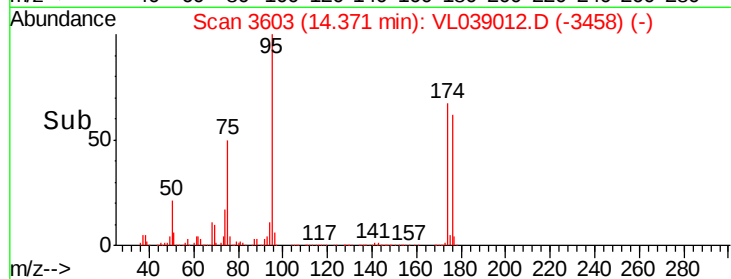
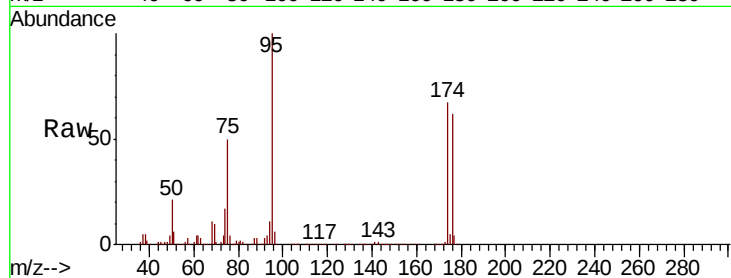
Tot Ion: 95 Resp: 1817037

Ion Ratio Lower Upper

95 100

174 68.9 50.8 76.2

175 4.9 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

