

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039170.D
 Acq On : 4 Jun 2022 2:32
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jun 04 03:55:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1322820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3725419	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3265387	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2361716	8.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.50%

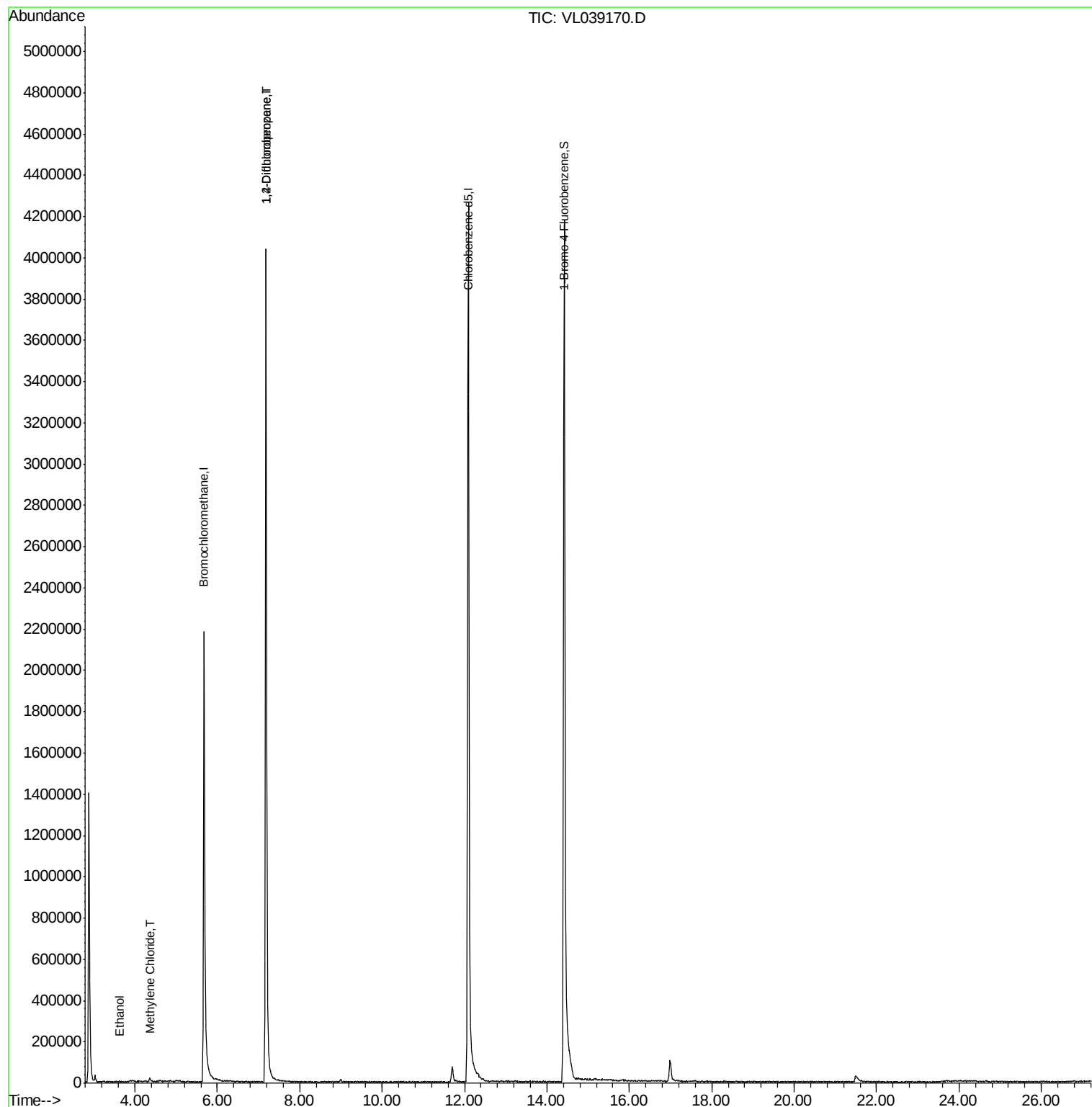
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	188	0.047	ppbv #	100
20) Methylene Chloride	4.36	84	2368	0.041	ppbv #	61
39) 1,2-Dichloropropane	7.18	63	863104	7.174	ppbv #	25

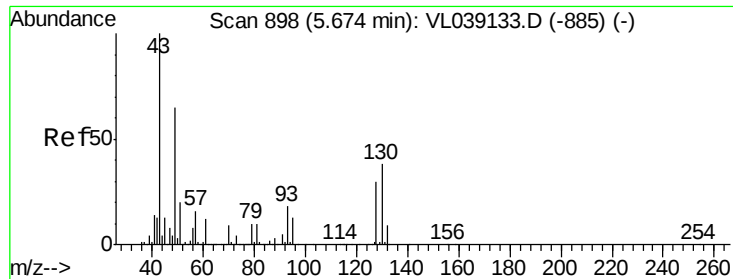
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 4 Jun 2022 2:32

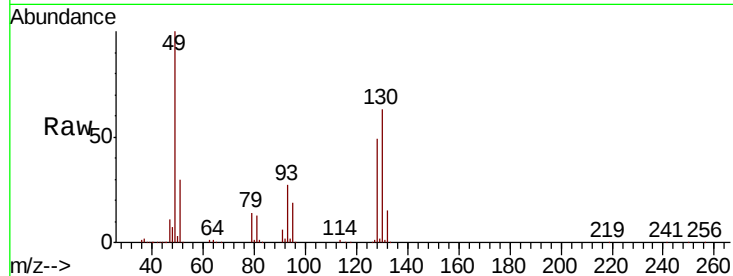
Tot Ion: 49 Resp: 1322820

Ion	Ratio	Lower	Upper
49	100		
128	54.3	24.7	74.1
130	68.6	31.4	94.0

49 100

128 54.3 24.7 74.1

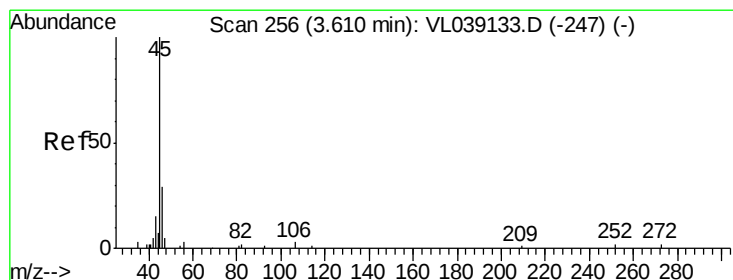
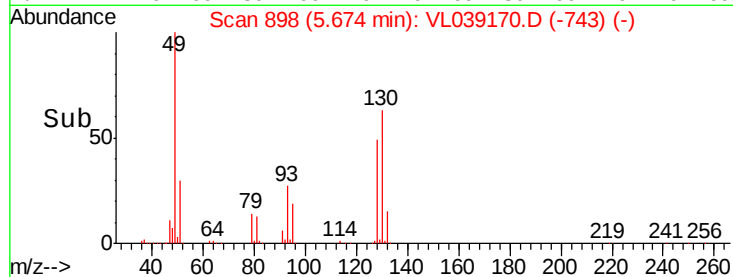
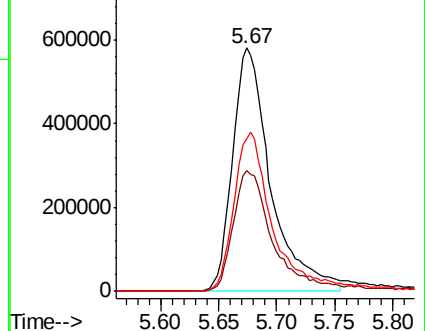
130 68.6 31.4 94.0



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



#13

Ethanol

Concen: 0.047 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL039170.D

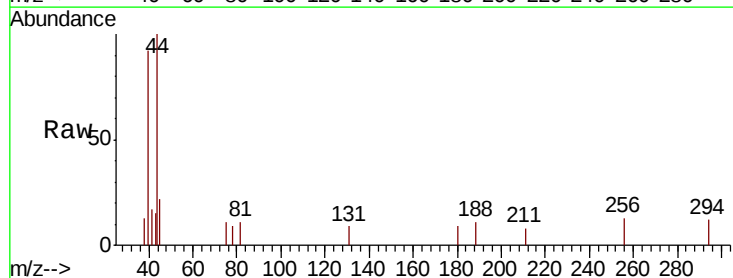
Acq: 4 Jun 2022 2:32

Tgt Ion: 45 Resp: 188

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

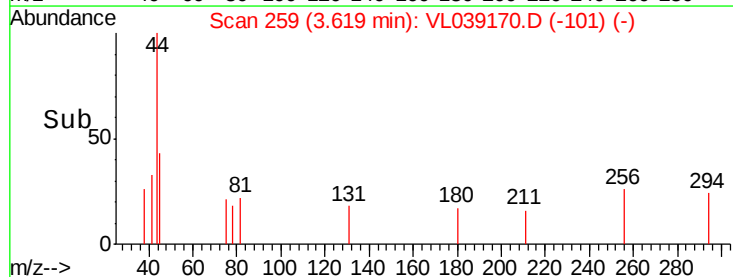
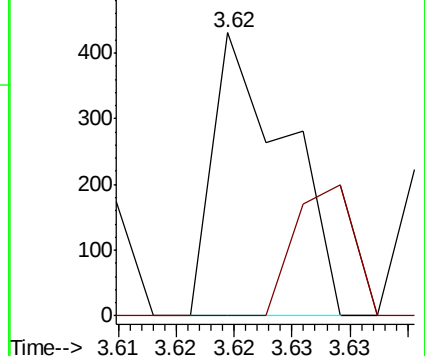
45 100

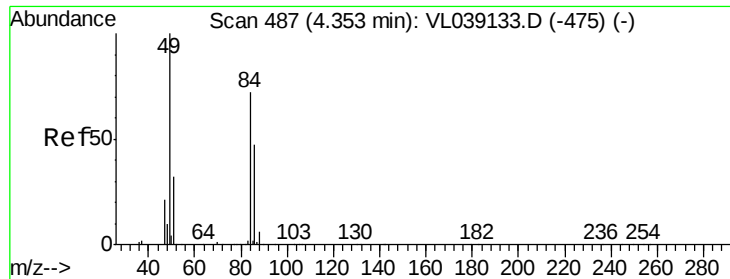
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

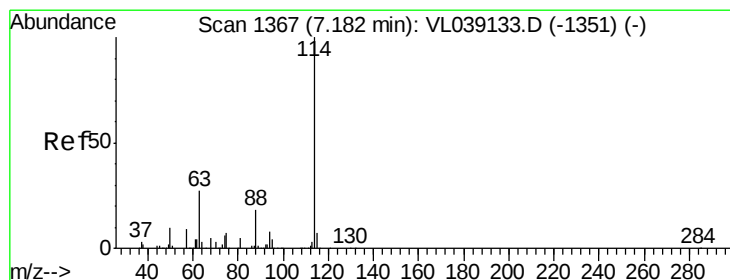
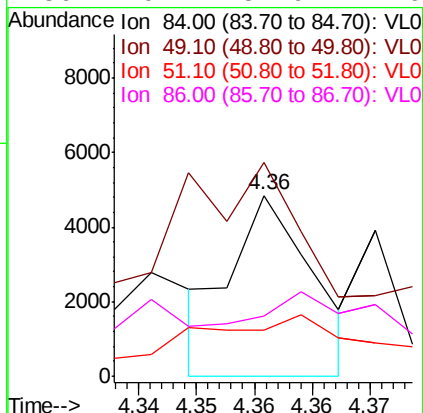
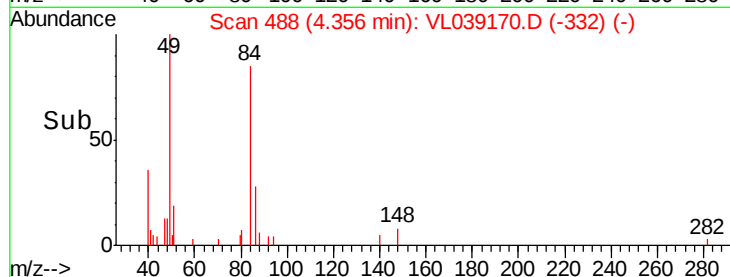
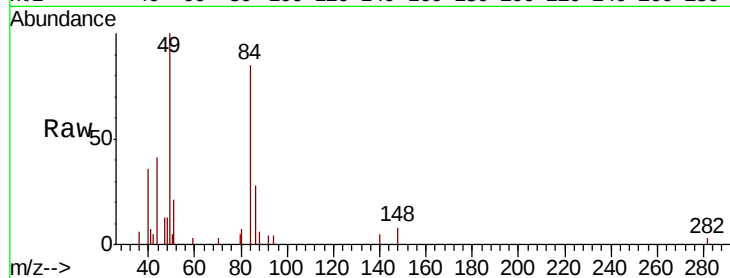
Ion 46.10 (45.80 to 46.80): VL0





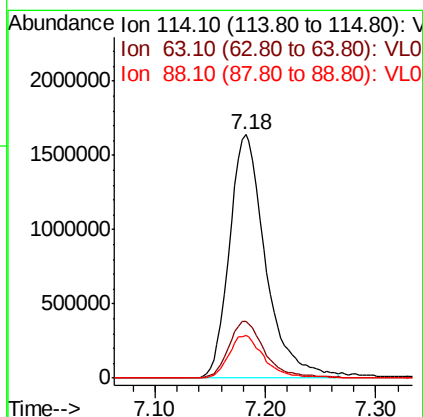
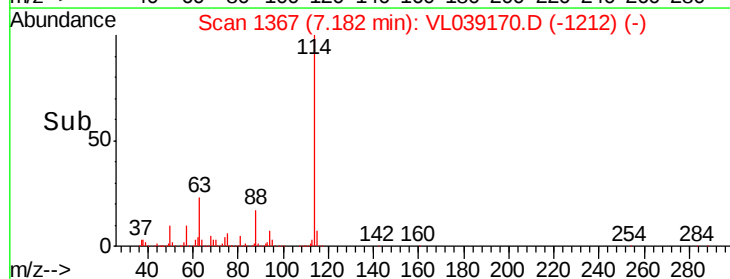
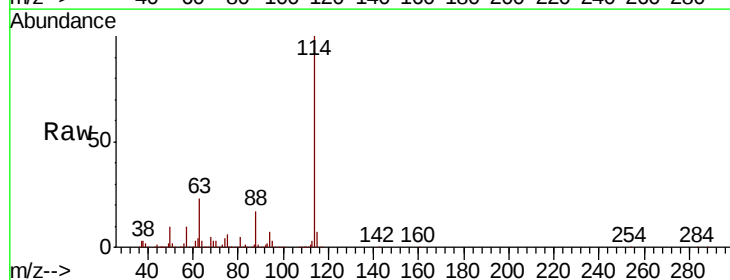
#20
Methylene Chloride
Concen: 0.041 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Jun 2022 2:32

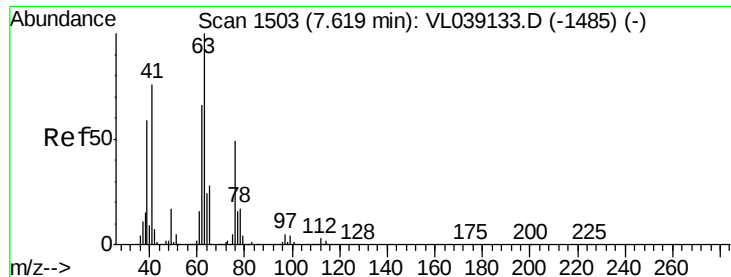
Tot Ion: 84 Resp: 2368
Ion Ratio Lower Upper
84 100
49 117.8 111.1 166.7
51 5.9 35.3 52.9#
86 9.4 51.9 77.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL039170.D
Acq: 4 Jun 2022 2:32

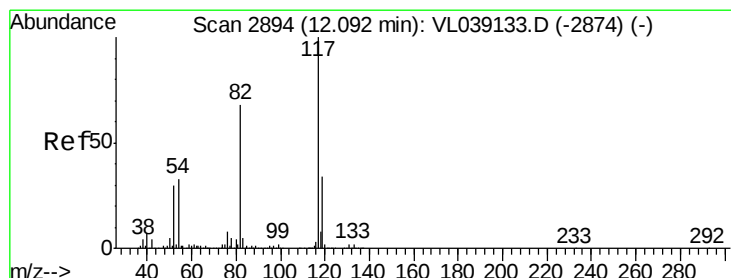
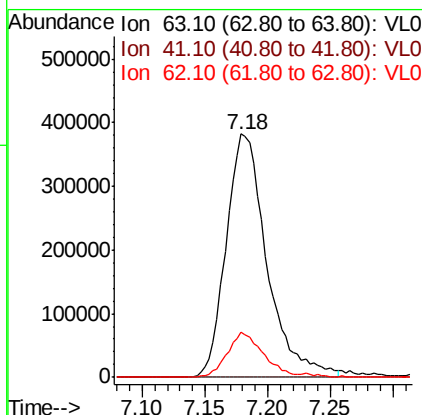
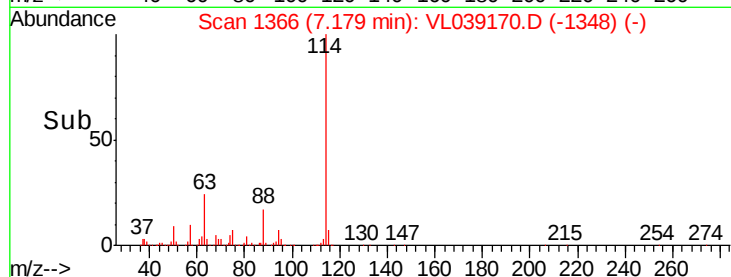
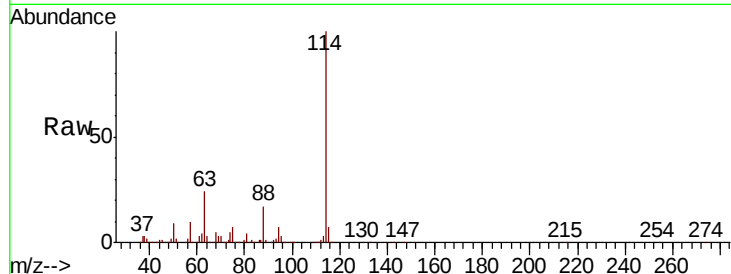
Tgt Ion: 114 Resp: 3725419
Ion Ratio Lower Upper
114 100
63 23.8 21.7 32.5
88 17.7 14.8 22.2





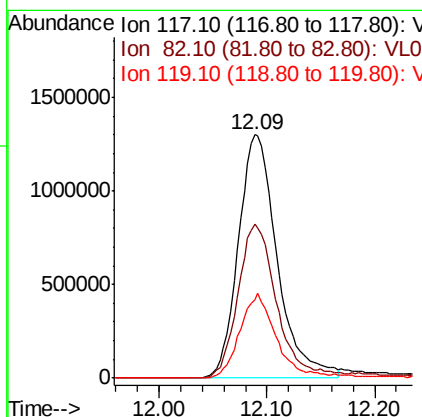
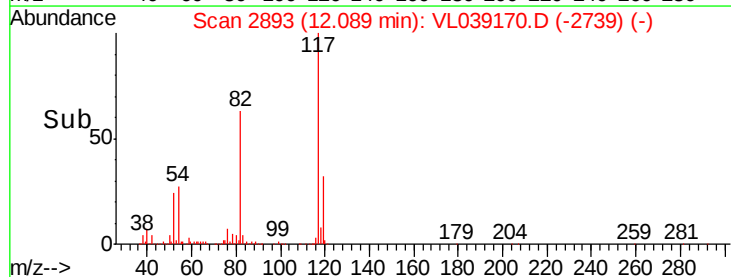
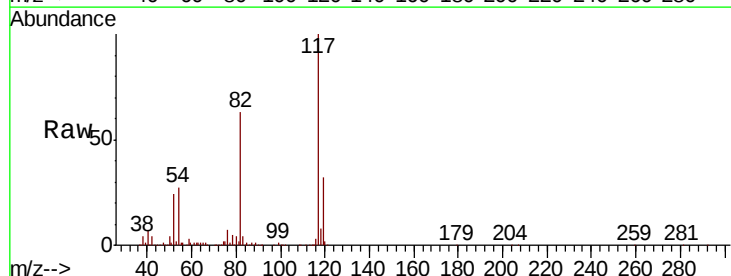
#39
 1,2-Dichloropropane
 Concen: 7.174 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VIBLK
 Acq: 4 Jun 2022 2:32

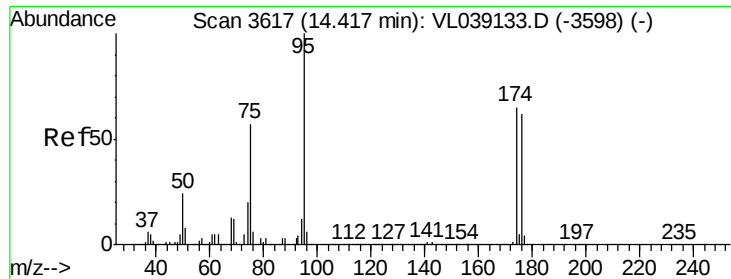
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	18.3	52.9	79.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL039170.D
 Acq: 4 Jun 2022 2:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.4	55.1	82.7
119	33.9	24.7	37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 8.748 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Jun 2022 2:32

Tot Ion: 95 Resp: 2361716

Ion Ratio Lower Upper

95 100

174 75.5 53.8 80.8

175 5.5 4.1 6.1

