

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038337.D
 Acq On : 14 Feb 2022 11:54
 Operator : SY/AP
 Sample : VL0214ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0214ABL01

Quant Time: Feb 15 00:38:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	935148	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2471421	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2124812	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1671193	10.36	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

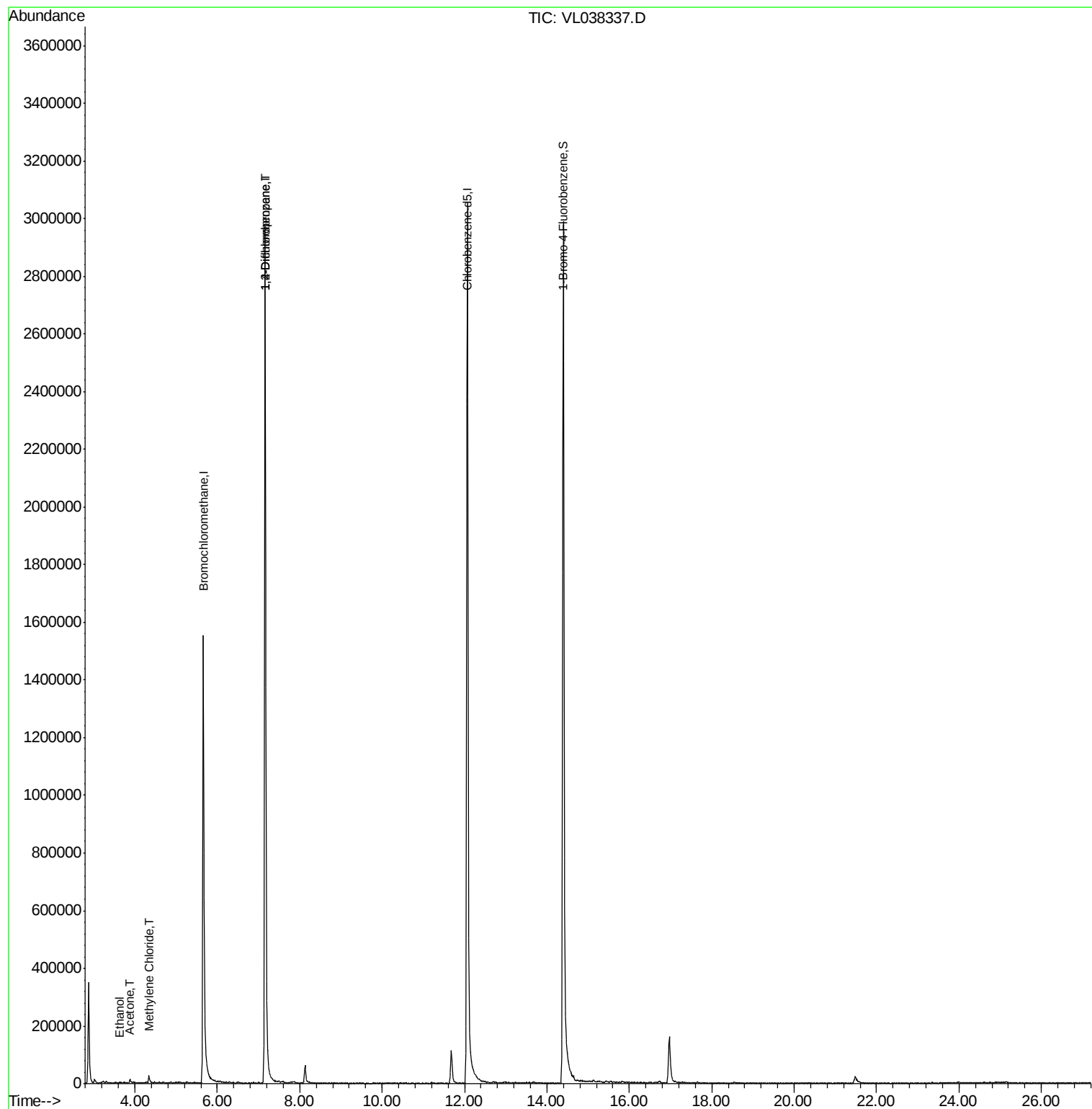
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	337	0.05	ppbv #	37
15) Acetone	3.88	43	7579	0.09	ppbv #	28
20) Methylene Chloride	4.34	84	5165	0.11	ppbv #	65
39) 1,2-Dichloropropane	7.16	63	663972	7.49	ppbv #	26

(#) = 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_1

Lab File: ClientSampleId:

VL0214ABL01

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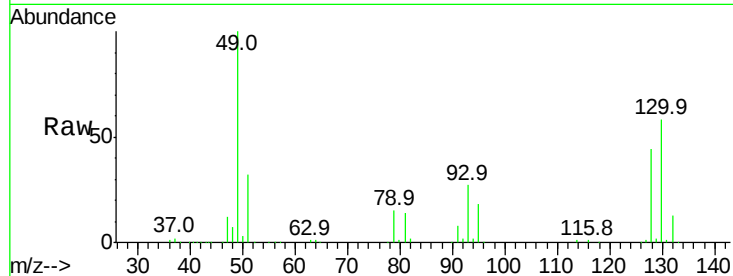
Tgt Ion: 49 Resp: 935148

Ion Ratio Lower Upper

49 100

128 48.4 24.5 73.5

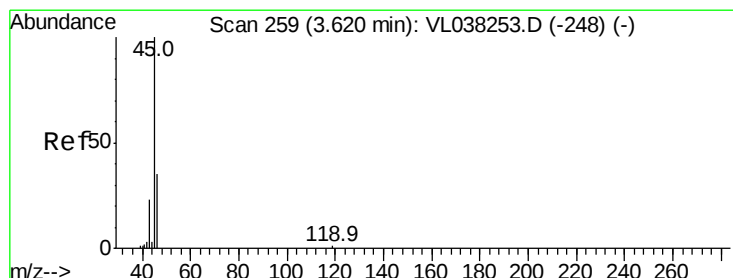
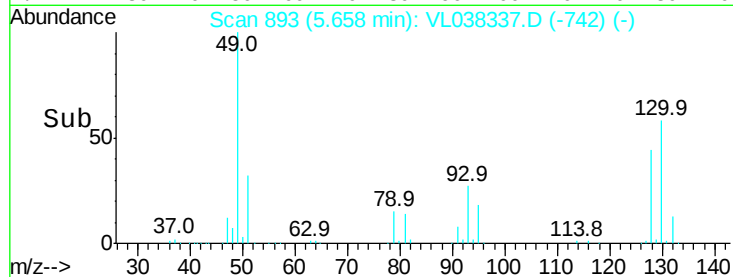
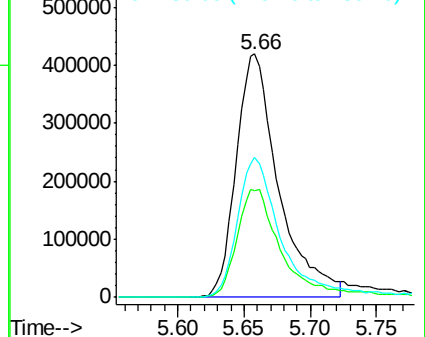
130 62.0 30.1 90.5



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



#13

Ethanol

Concen: 0.05 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.01 min

Lab File: VL038337.D

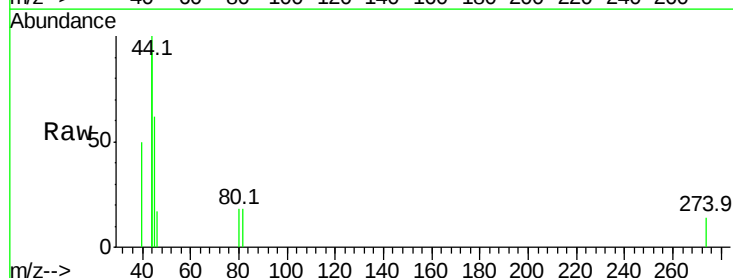
Acq: 14 Feb 2022 11:54

Tgt Ion: 45 Resp: 337

Ion Ratio Lower Upper

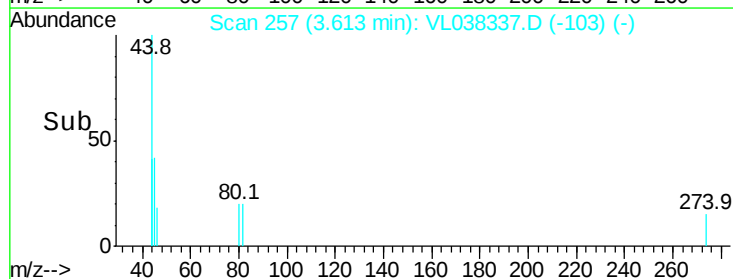
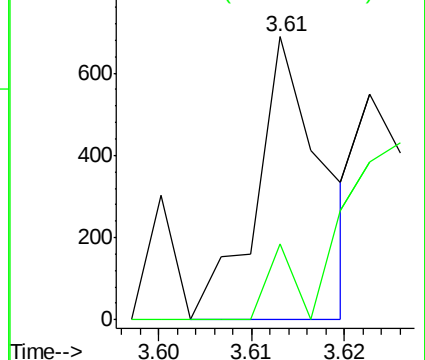
45 100

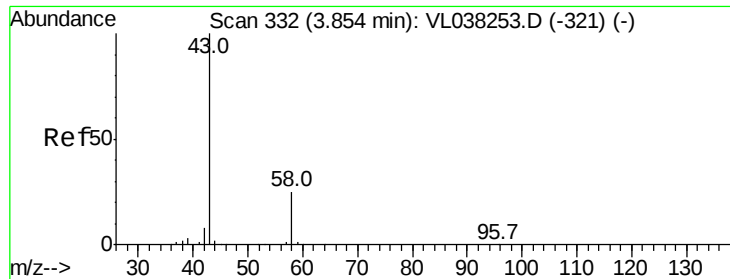
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.09 ppbv

RT: 3.88 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0214ABL01

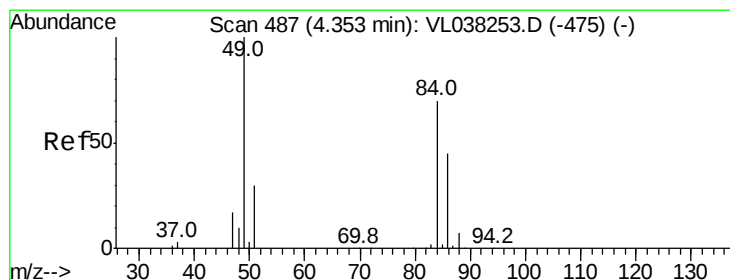
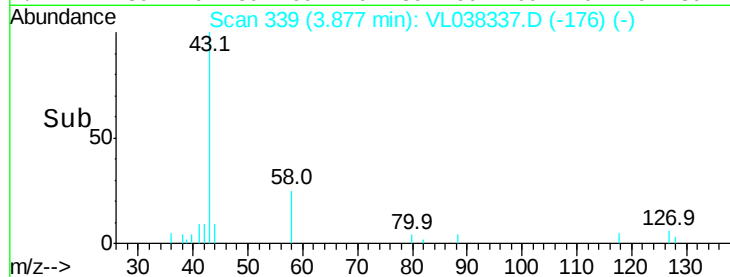
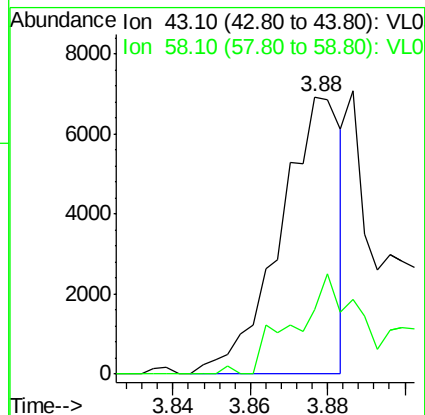
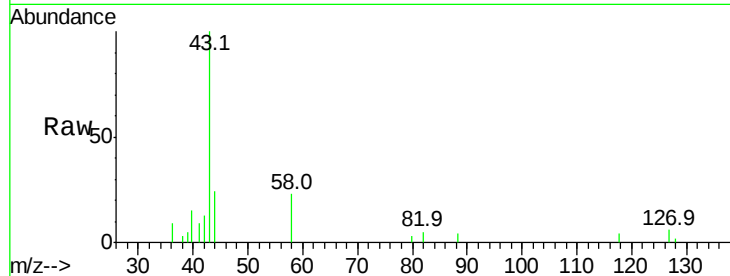
Acq: 14 Feb 2022 11:54

Tgt Ion: 43 Resp: 7579

Ion Ratio Lower Upper

43 100

58 64.3 21.5 32.3#



#20

Methylene Chloride

Concen: 0.11 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL038337.D

Acq: 14 Feb 2022 11:54

Tgt Ion: 84 Resp: 5165

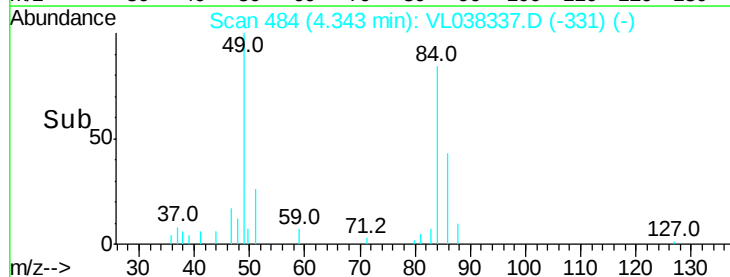
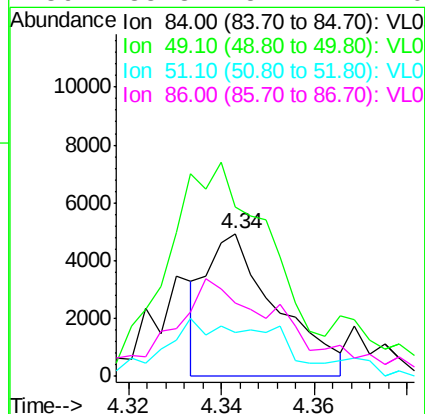
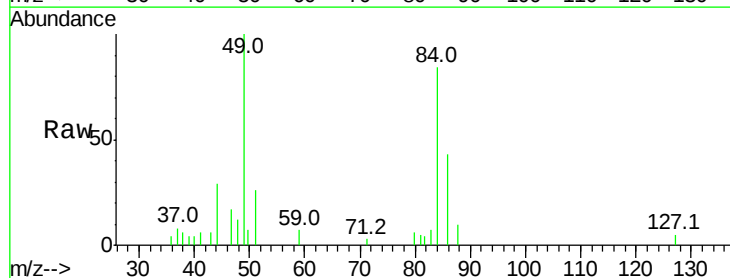
Ion Ratio Lower Upper

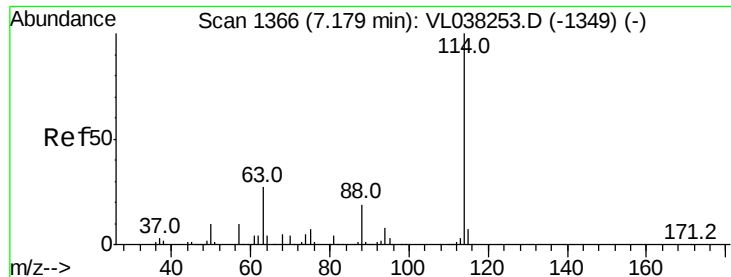
84 100

49 100.7 115.0 172.6#

51 24.1 35.0 52.6#

86 35.3 51.4 77.0#

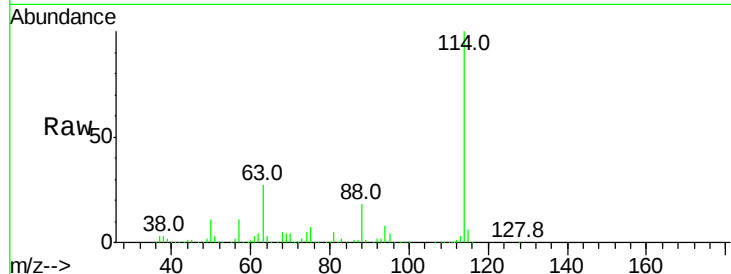




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0214ABL01
 Acq: 14 Feb 2022 11:54

Tgt Ion: 114 Resp: 2471421

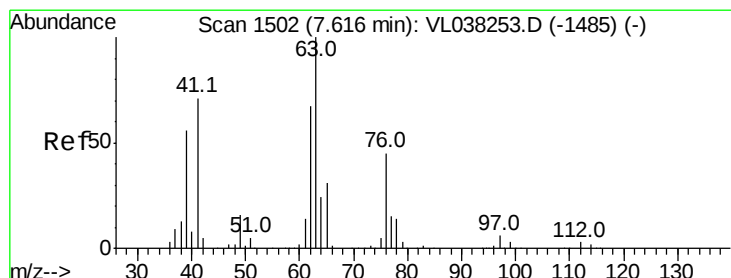
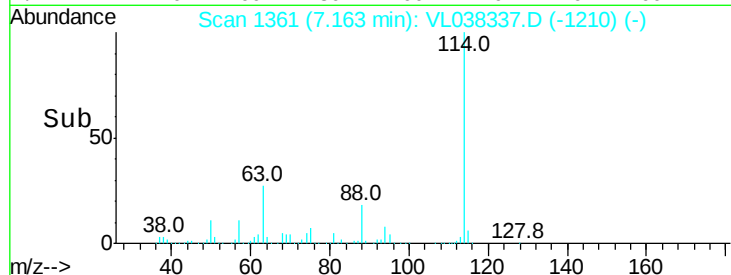
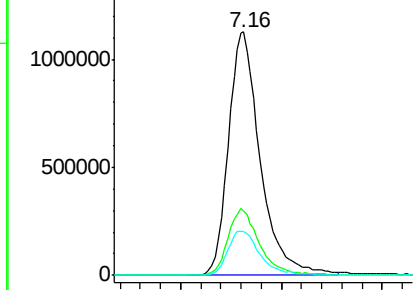
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.0	33.0
88	19.0	15.0	22.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

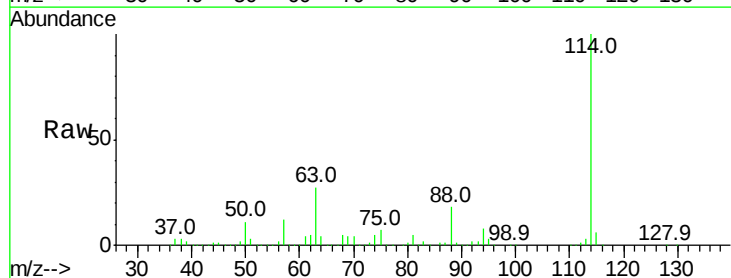
Ion 88.10 (87.80 to 88.80): VL0



#39
 1,2-Dichloropropane
 Concen: 7.49 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.46 min
 Lab File: VL038337.D
 Acq: 14 Feb 2022 11:54

Tgt Ion: 63 Resp: 663972

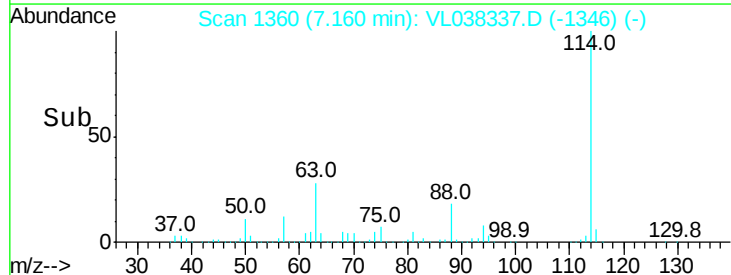
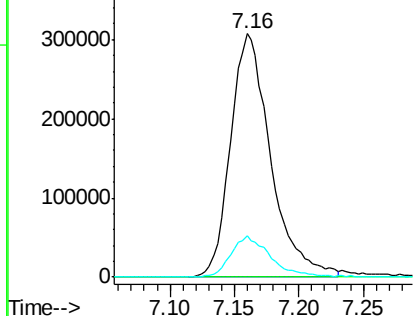
Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.6	85.0#
62	17.0	53.9	80.9#

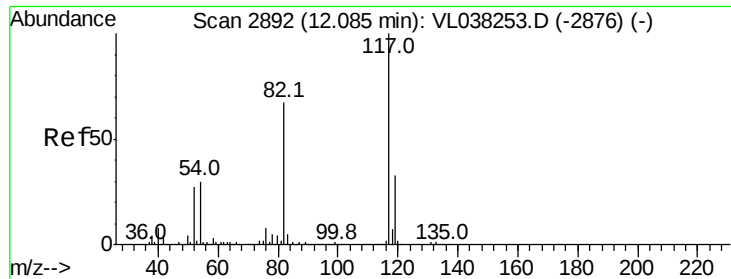


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

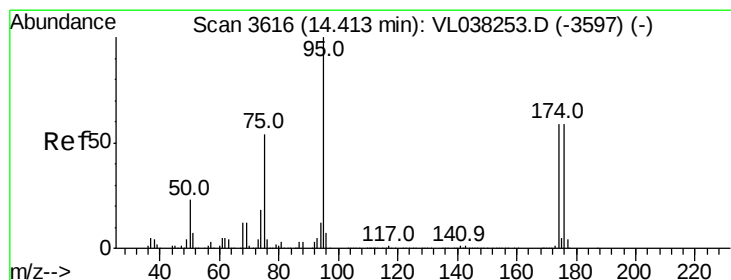
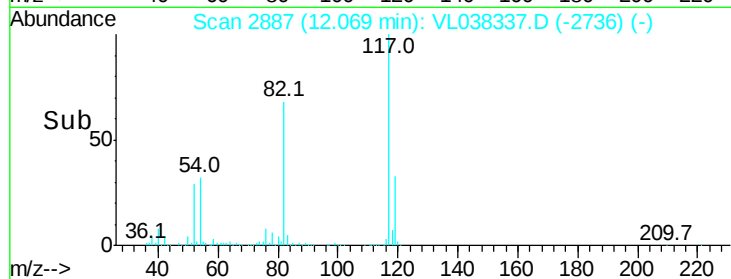
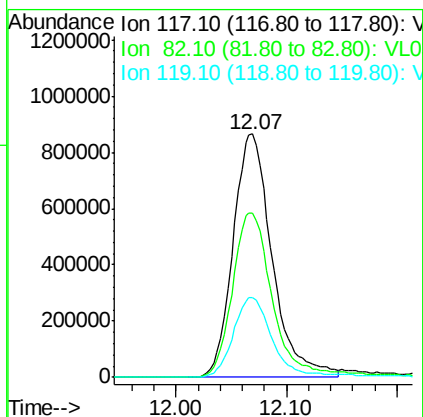
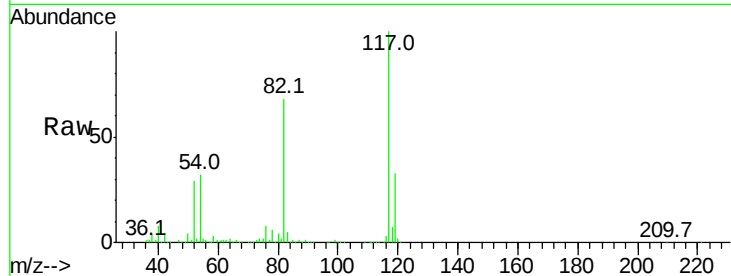
Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0214ABL01
 Acq: 14 Feb 2022 11:54

Tgt Ion: 117 Resp: 2124812
 Ion Ratio Lower Upper
 117 100
 82 71.7 54.4 81.6
 119 34.3 45.9 68.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.36 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.02 min
 Lab File: VL038337.D
 Acq: 14 Feb 2022 11:54

Tgt Ion: 95 Resp: 1671193
 Ion Ratio Lower Upper
 95 100
 174 63.0 48.3 72.5
 175 4.5 3.5 5.3

