

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039337.D
 Acq On : 24 Jun 2022 11:38
 Operator : SY/AP
 Sample : VL0624ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABL01

Quant Time: Jun 27 01:47:40 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	5.66	49	1163940	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3363127	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2946510	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2179116	8.95	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.50%

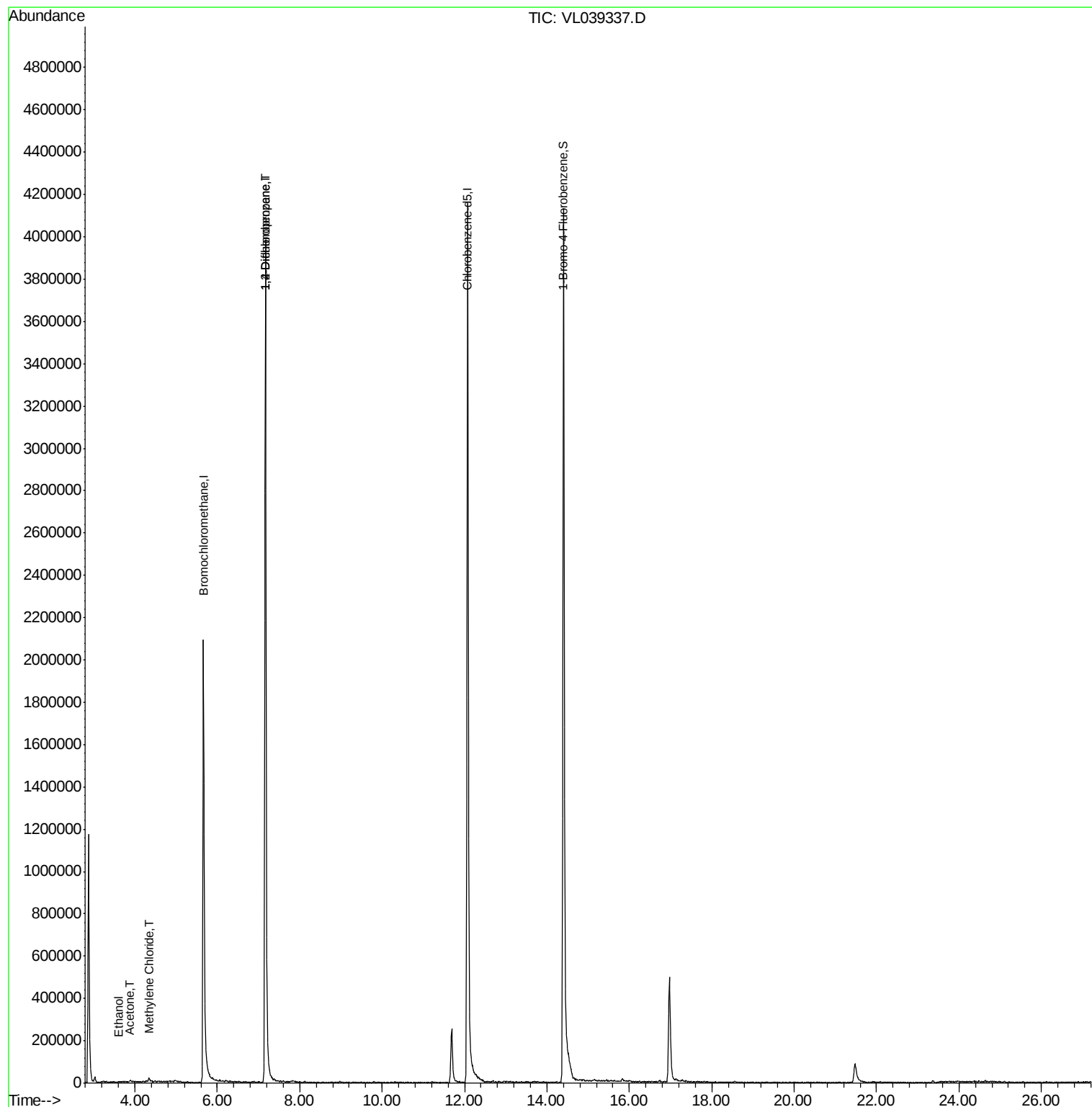
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	169	0.048	ppbv #	100
15) Acetone	3.87	43	10002	0.082	ppbv #	66
20) Methylene Chloride	4.34	84	3262	0.064	ppbv #	80
39) 1,2-Dichloropropane	7.17	63	822500	7.573	ppbv #	24

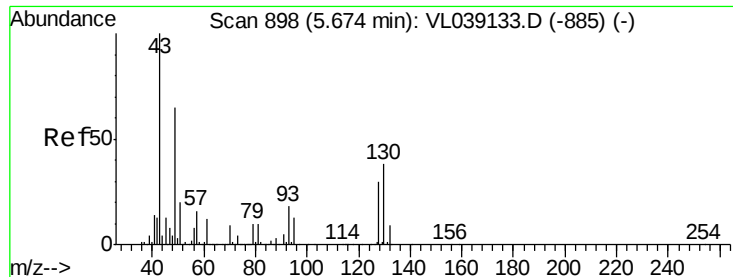
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Jun 2022 11:38 VL0624ABL01

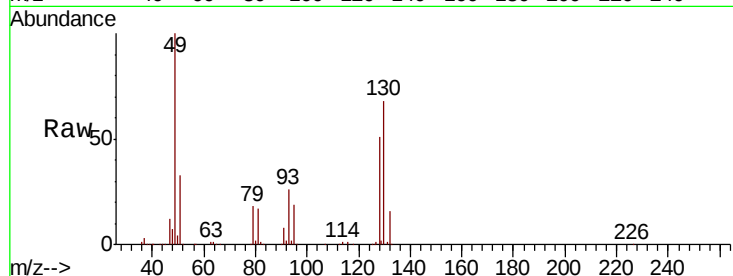
Tot Ion: 49 Resp: 1163940

Ion Ratio Lower Upper

49 100

128 55.2 24.7 74.1

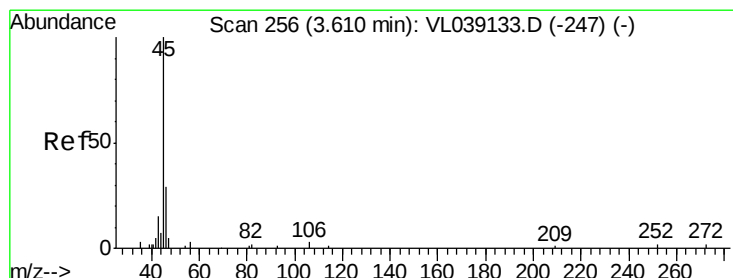
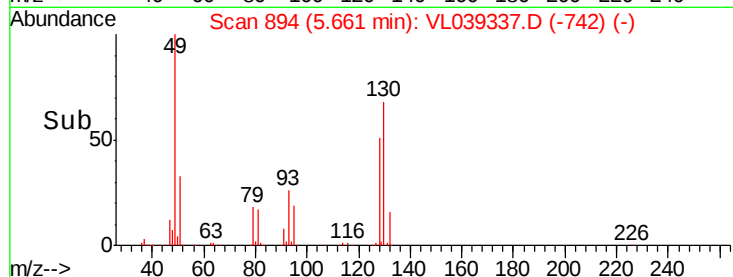
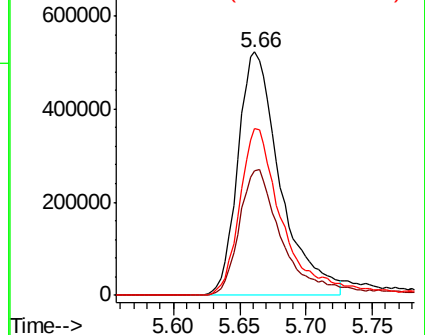
130 72.0 31.4 94.0



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: 0.048 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL039337.D

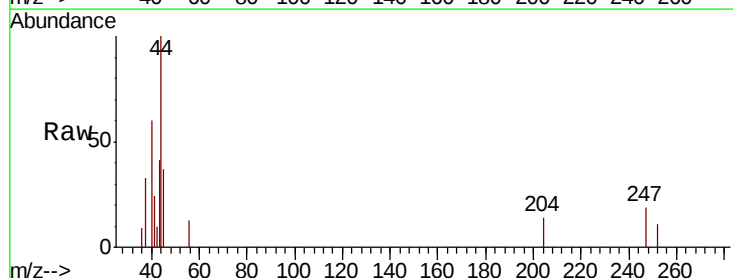
Acq: 24 Jun 2022 11:38

Tgt Ion: 45 Resp: 169

Ion Ratio Lower Upper

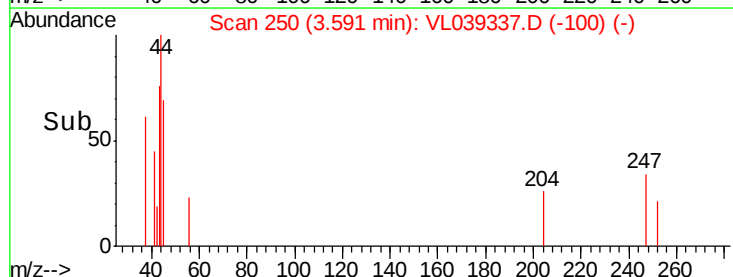
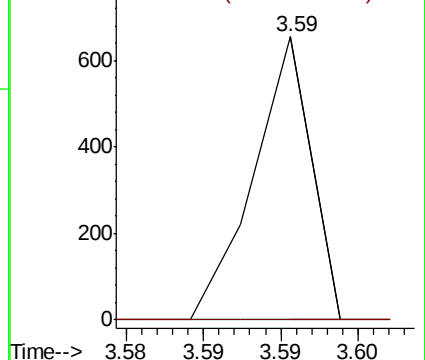
45 100

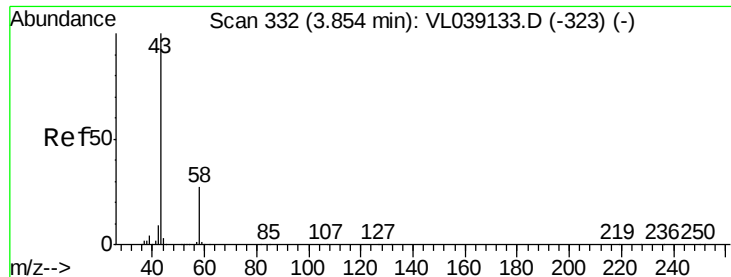
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.082 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

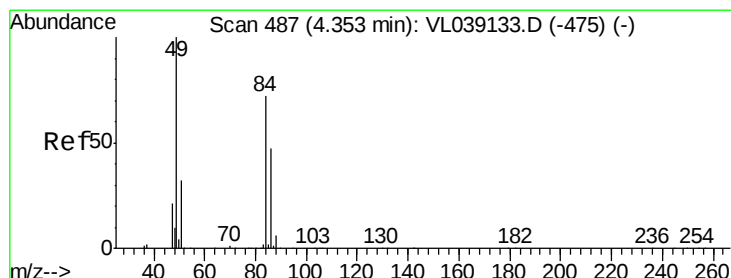
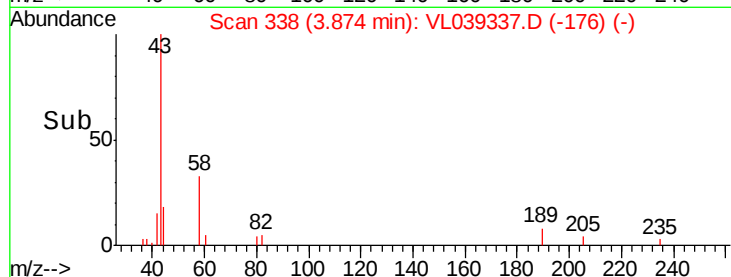
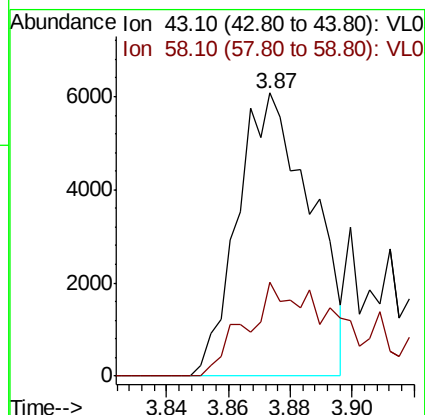
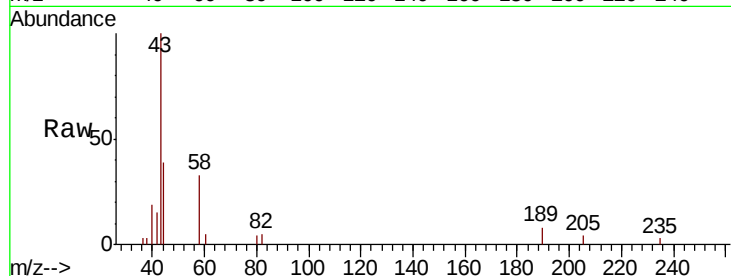
Acq: 24 Jun 2022 11:38 VL0624ABL01

Tot Ion: 43 Resp: 10002

Ion Ratio Lower Upper

43 100

58 46.2 22.5 33.7#



#20

Methylene Chloride

Concen: 0.064 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL039337.D

Acq: 24 Jun 2022 11:38

Tgt Ion: 84 Resp: 3262

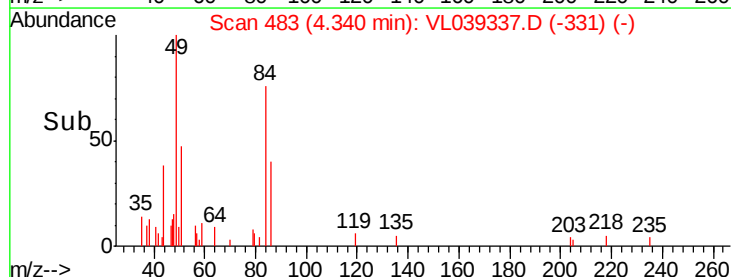
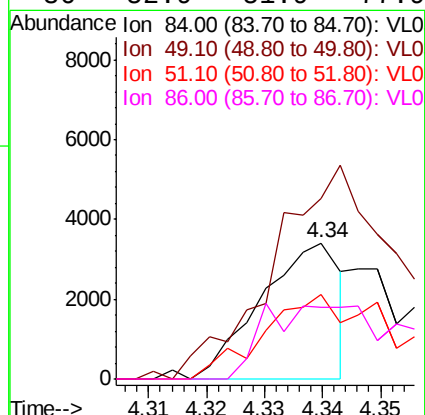
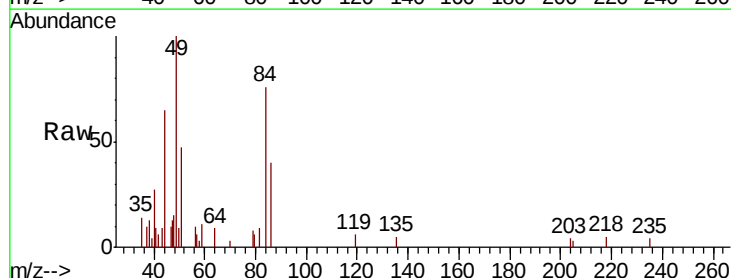
Ion Ratio Lower Upper

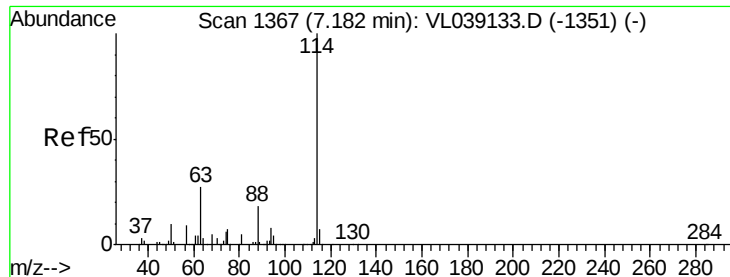
84 100

49 115.6 111.1 166.7

51 61.6 35.3 52.9#

86 52.9 51.9 77.9

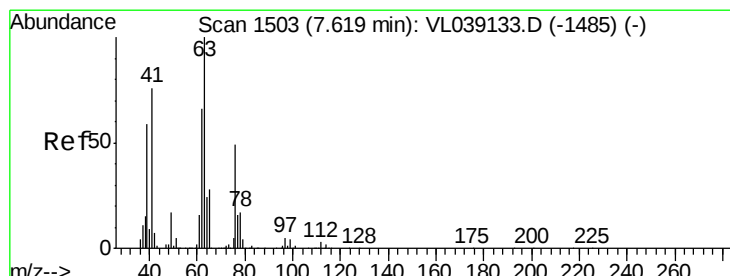
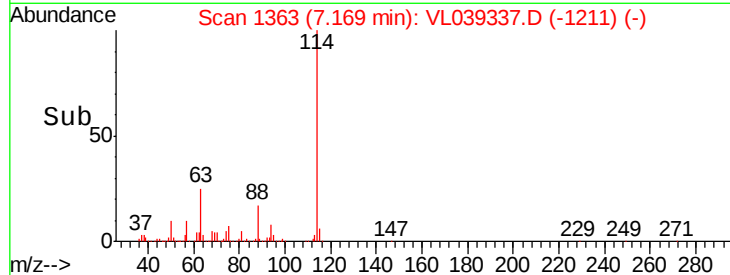
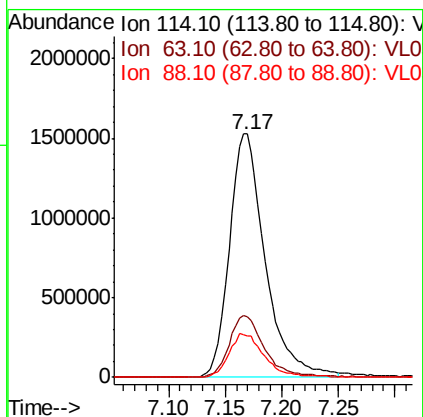
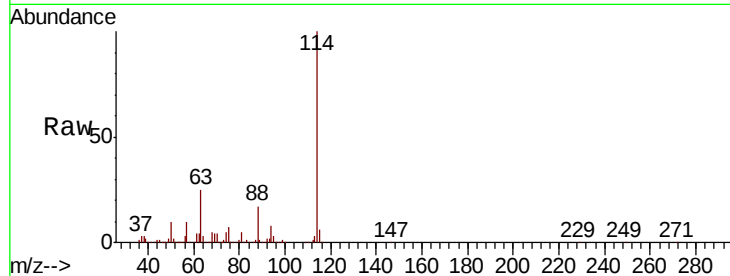




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0624ABL01
 Acq: 24 Jun 2022 11:38

Tot Ion: 114 Resp: 3363127

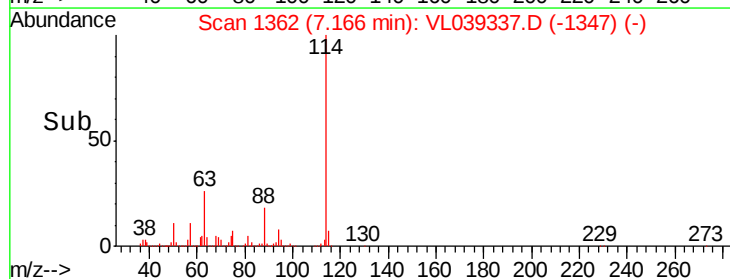
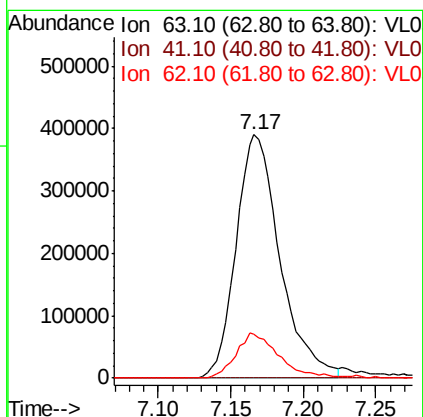
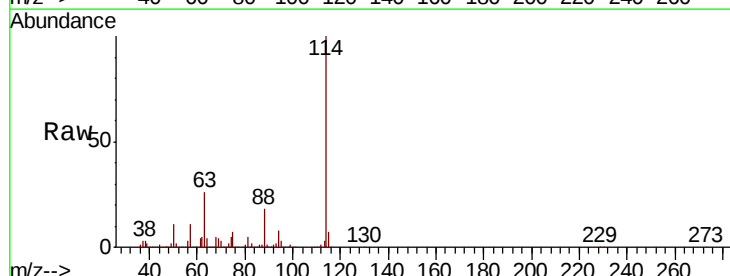
Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.2	14.8	22.2

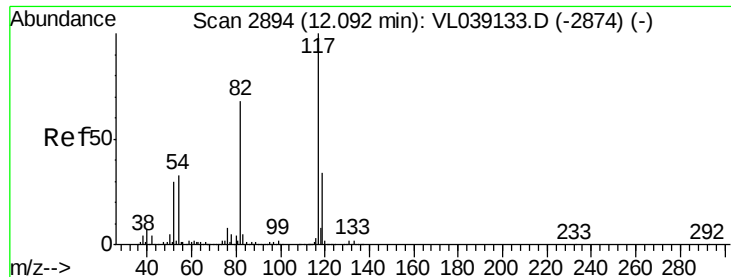


#39
 1,2-Dichloropropane
 Concen: 7.573 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL039337.D
 Acq: 24 Jun 2022 11:38

Tgt Ion: 63 Resp: 822500

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.8	91.2#
62	17.9	52.9	79.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 11:38

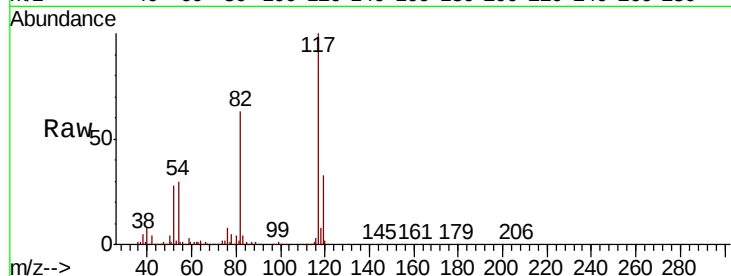
Tot Ion:117 Resp: 2946510

Ion Ratio Lower Upper

117 100

82 65.7 55.1 82.7

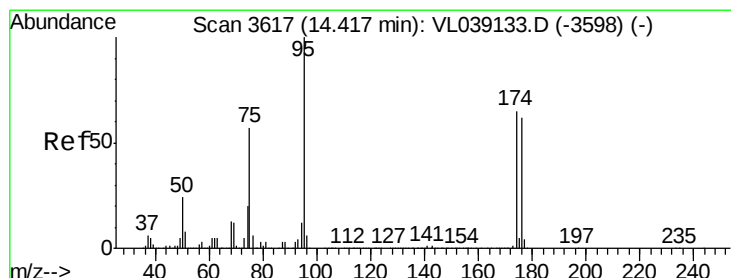
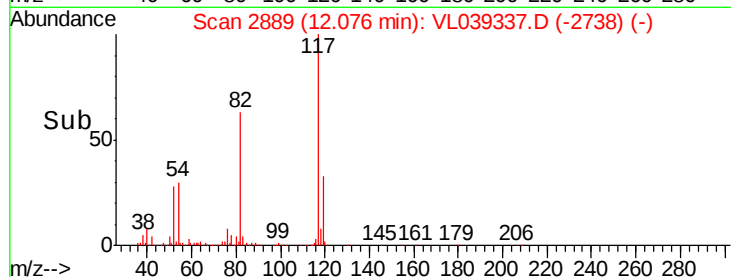
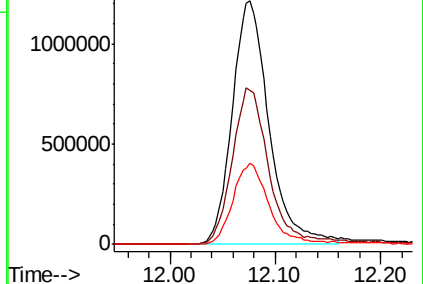
119 33.5 24.7 37.1



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: 8.946 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL039337.D

Acq: 24 Jun 2022 11:38

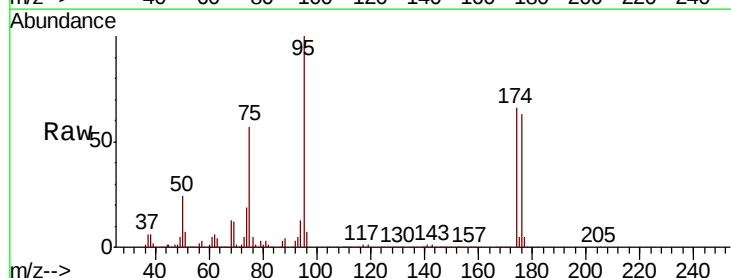
Tgt Ion: 95 Resp: 2179116

Ion Ratio Lower Upper

95 100

174 71.3 53.8 80.8

175 5.2 4.1 6.1



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

