

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038352.D
 Acq On : 14 Feb 2022 22:43
 Operator : SY/AP
 Sample : N1442-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Feb 15 00:41:29 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	5.64	49	859029	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2278440	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	1955909	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1525473	10.28	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

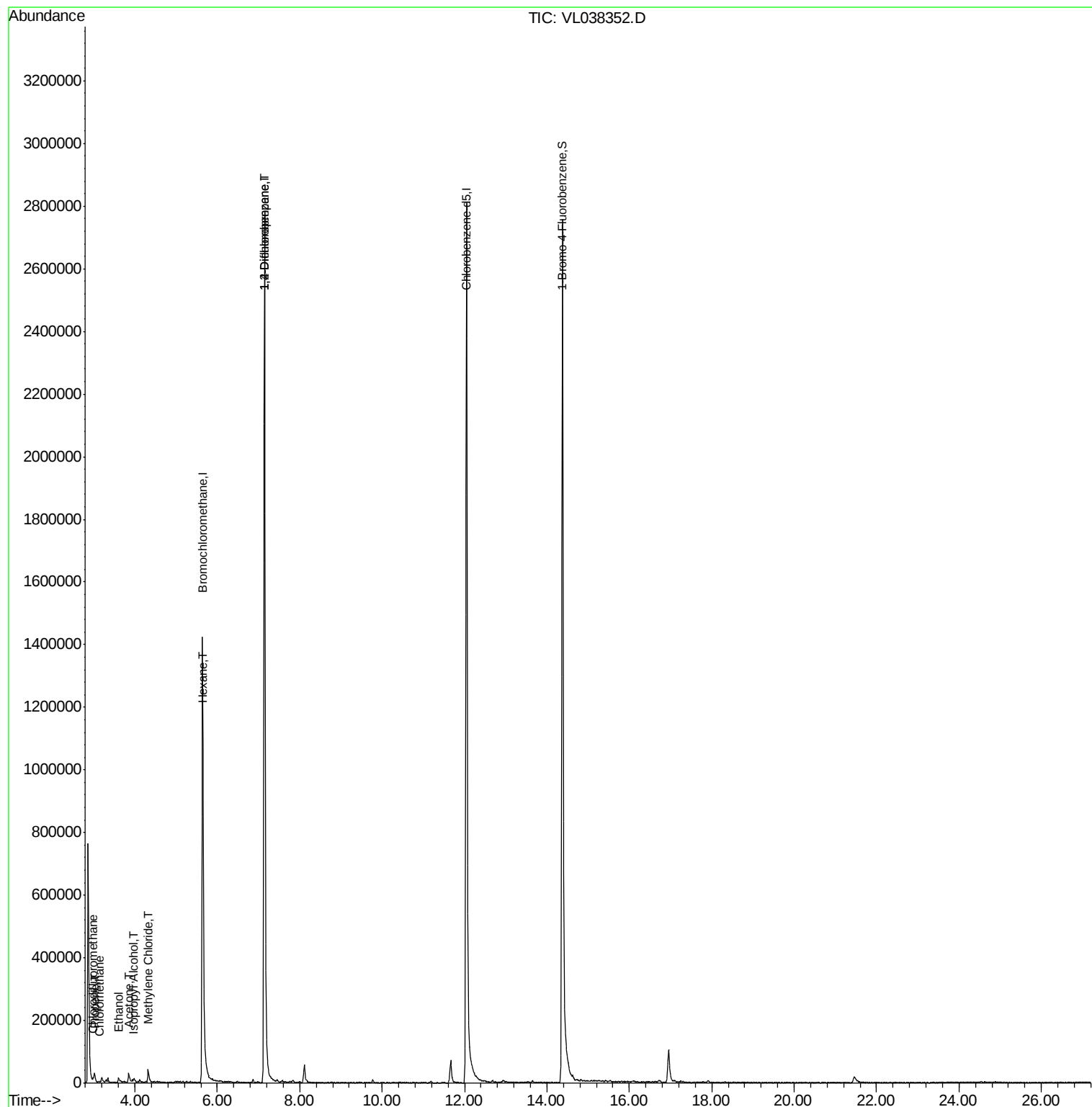
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	16627	0.10	ppbv	96
4) Chloromethane	3.13	50	2627	0.04	ppbv	93
9) Propene	3.01	41	8232	0.15	ppbv	94
13) Ethanol	3.61	45	17412	2.91	ppbv	84
15) Acetone	3.85	43	27952	0.37	ppbv #	78
19) Isopropyl Alcohol	3.97	45	5946	0.13	ppbv #	91
20) Methylene Chloride	4.33	84	13757	0.31	ppbv	87
26) Hexane	5.66	57	9536	0.10	ppbv #	62
39) 1,2-Dichloropropane	7.14	63	617028	7.55	ppbv #	25

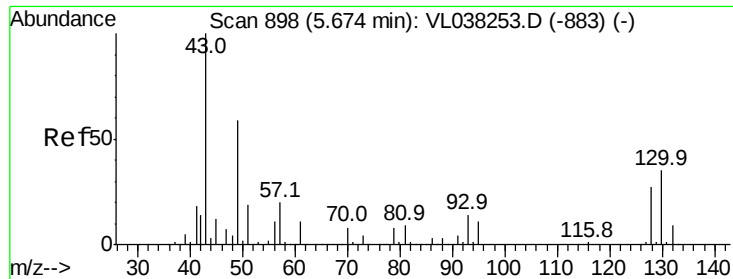
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Feb 2022 22:43

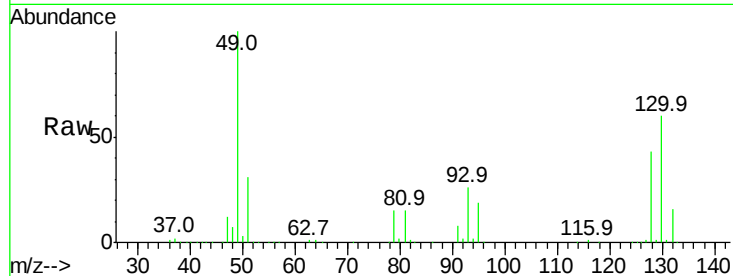
Tgt Ion: 49 Resp: 859029

Ion Ratio Lower Upper

49 100

128 47.8 24.5 73.5

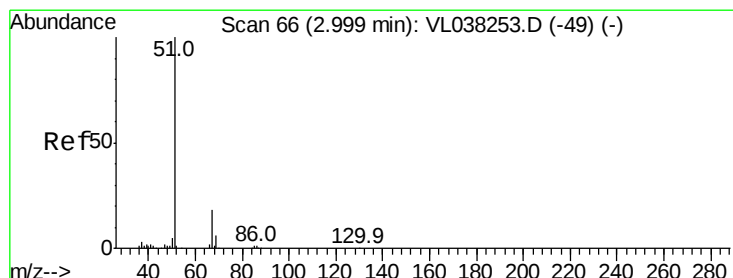
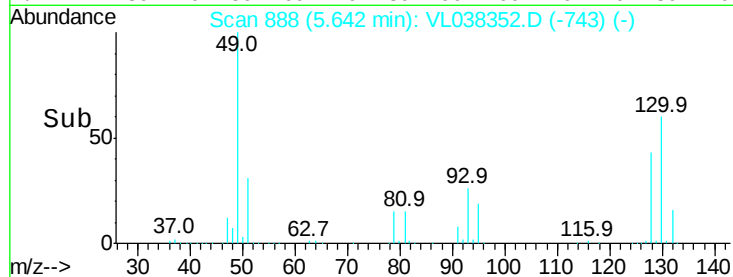
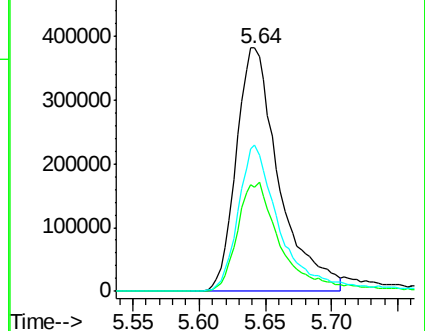
130 61.3 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.10 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL038352.D

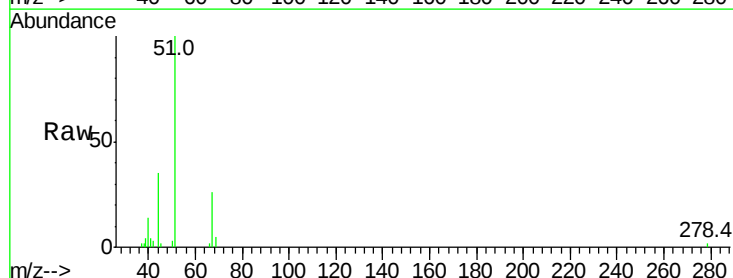
Acq: 14 Feb 2022 22:43

Tgt Ion: 51 Resp: 16627

Ion Ratio Lower Upper

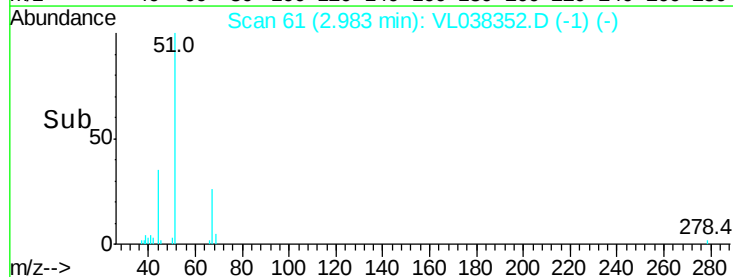
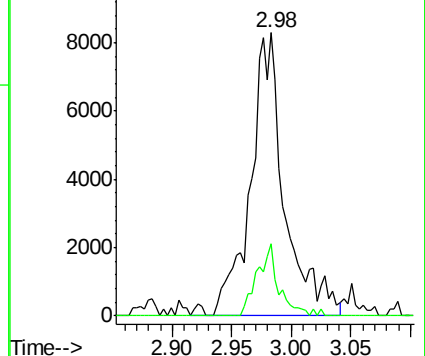
51 100

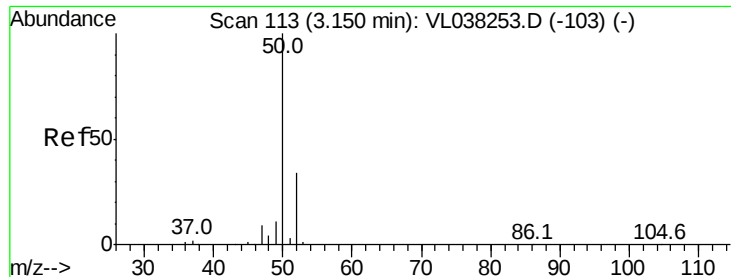
67 16.1 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

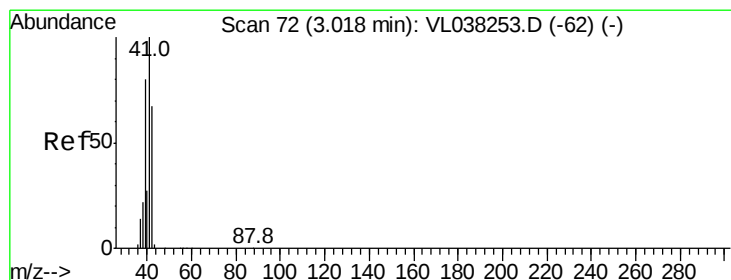
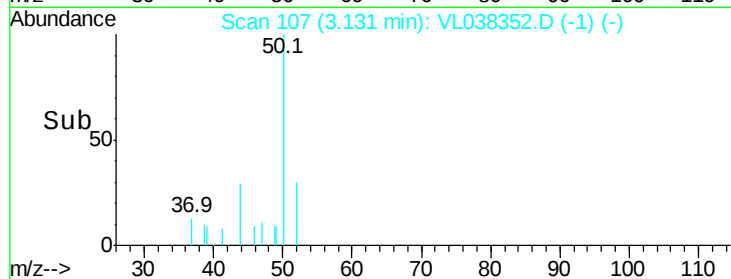
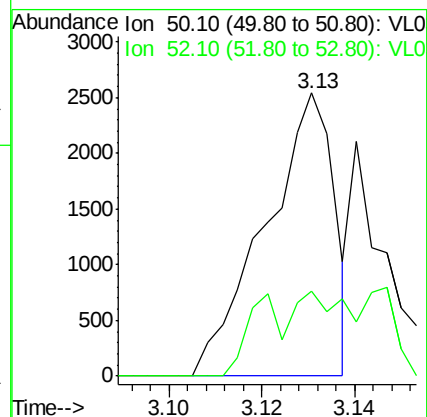
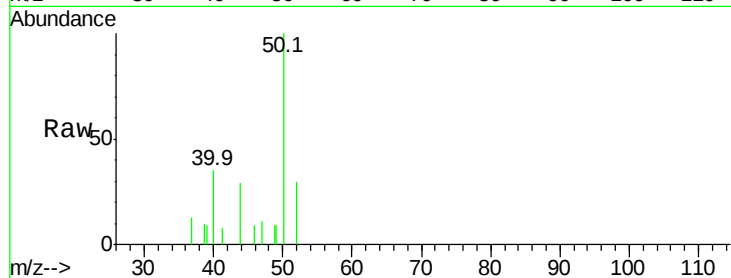
Acq: 14 Feb 2022 22:43

Tgt Ion: 50 Resp: 2627

Ion Ratio Lower Upper

50 100

52 30.1 27.1 40.7



#9

Propene

Concen: 0.15 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL038352.D

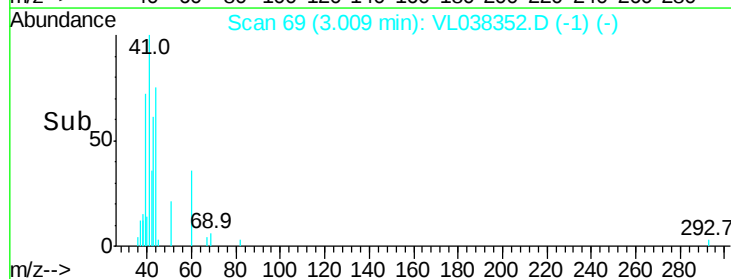
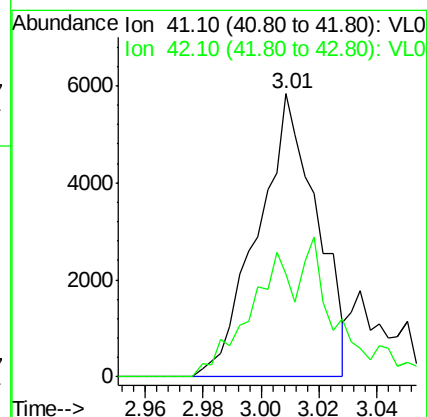
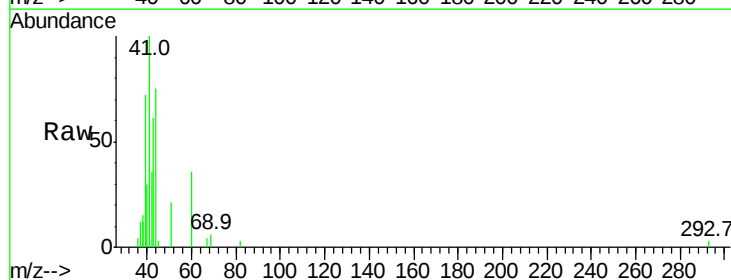
Acq: 14 Feb 2022 22:43

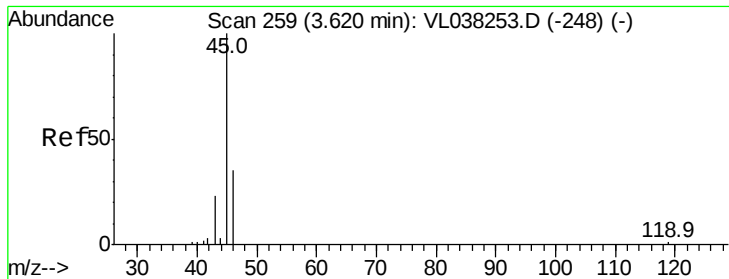
Tgt Ion: 41 Resp: 8232

Ion Ratio Lower Upper

41 100

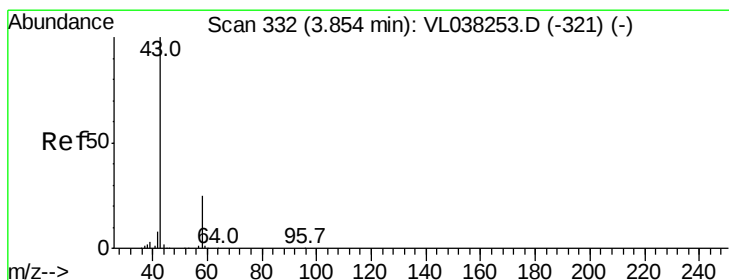
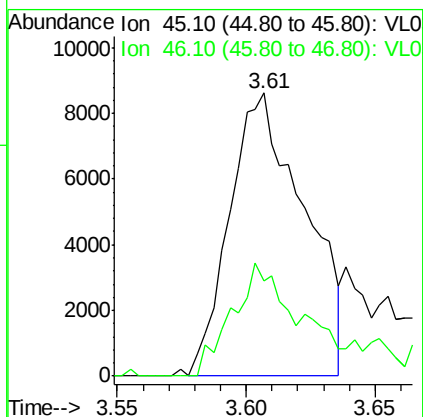
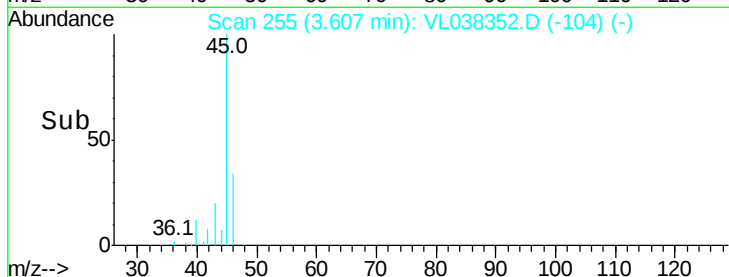
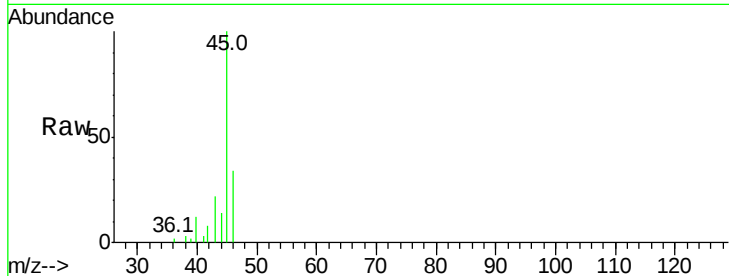
42 63.4 54.9 82.3





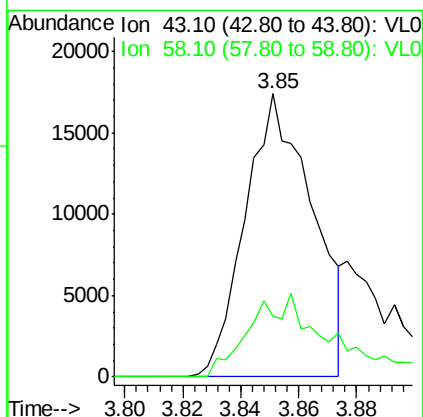
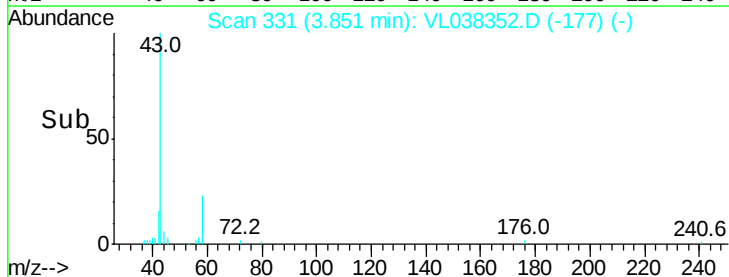
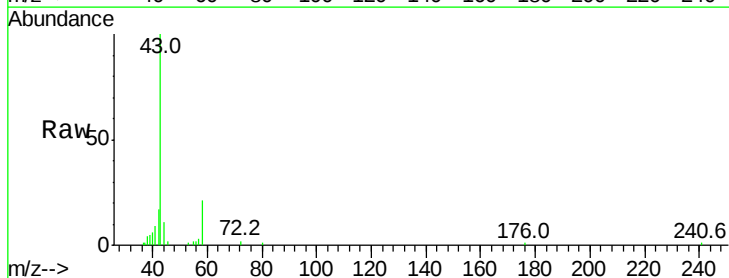
#13
Ethanol
Concen: 2.91 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Feb 2022 22:43

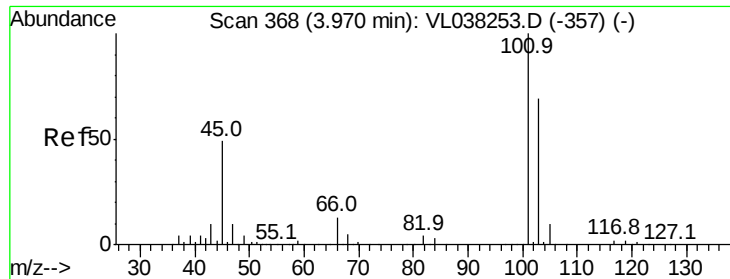
Tgt Ion: 45 Resp: 17412
Ion Ratio Lower Upper
45 100
46 48.2 15.4 61.6



#15
Acetone
Concen: 0.37 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038352.D
Acq: 14 Feb 2022 22:43

Tgt Ion: 43 Resp: 27952
Ion Ratio Lower Upper
43 100
58 38.2 21.5 32.3#





#19

Isopropyl Alcohol

Concen: 0.13 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

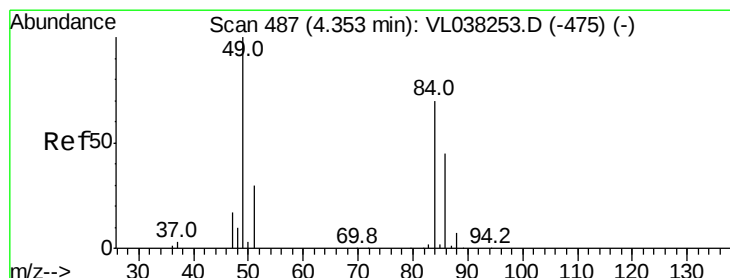
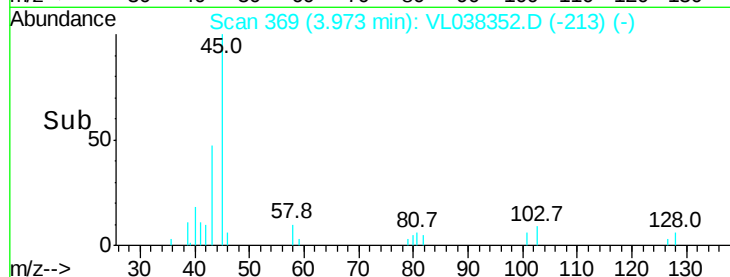
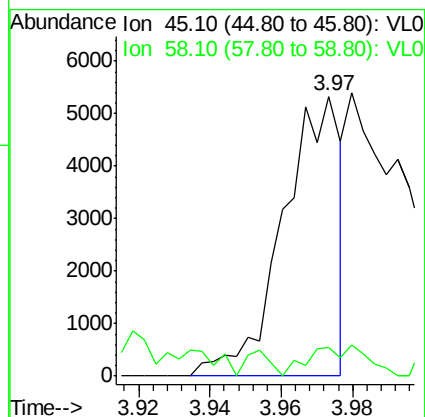
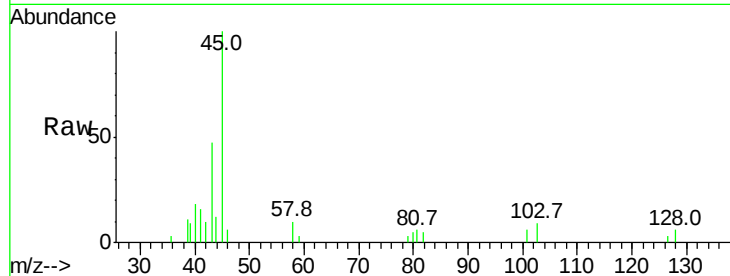
Acq: 14 Feb 2022 22:43

Tgt Ion: 45 Resp: 5946

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



#20

Methylene Chloride

Concen: 0.31 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL038352.D

Acq: 14 Feb 2022 22:43

Tgt Ion: 84 Resp: 13757

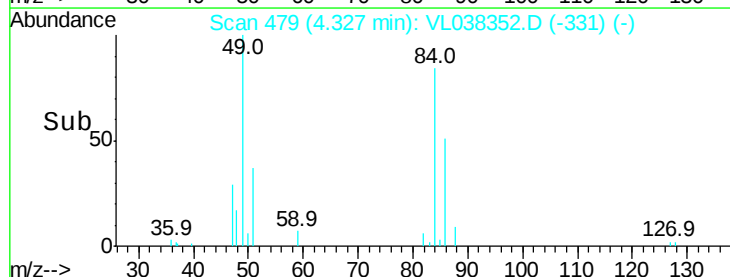
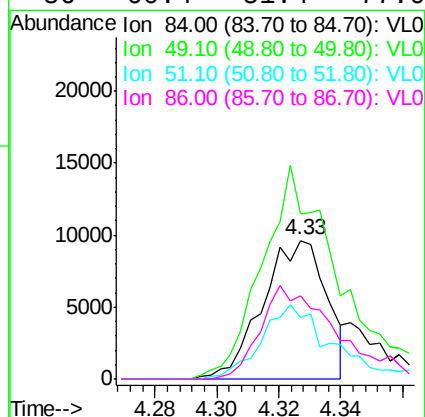
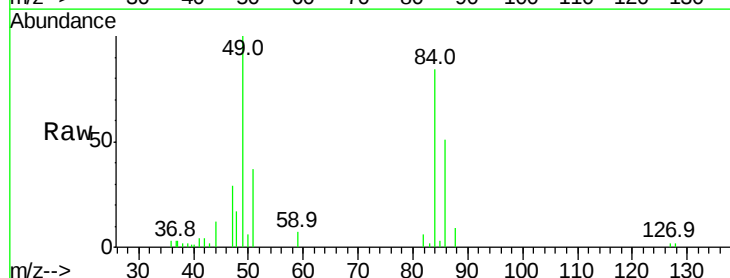
Ion Ratio Lower Upper

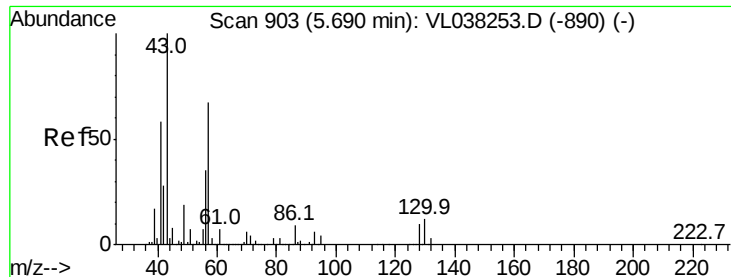
84 100

49 119.4 115.0 172.6

51 44.3 35.0 52.6

86 60.4 51.4 77.0





#26

Hexane

Concen: 0.10 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Feb 2022 22:43

Tgt Ion: 57 Resp: 9536

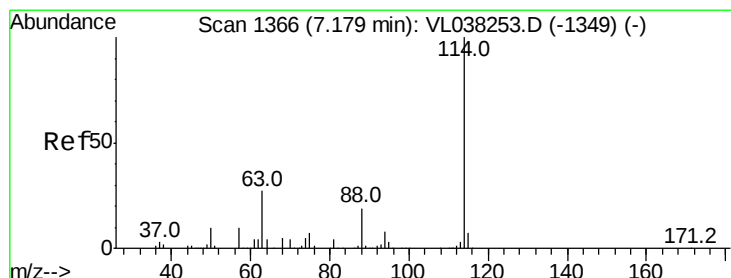
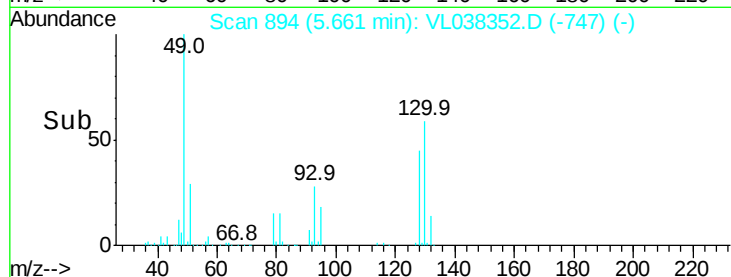
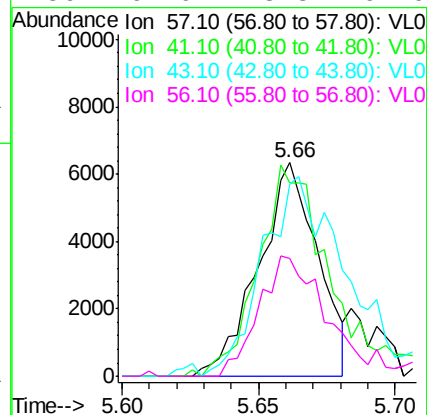
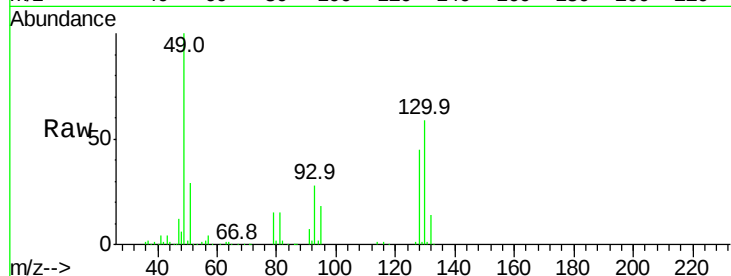
Ion Ratio Lower Upper

57 100

41 122.3 72.8 109.2#

43 148.9 177.0 265.6#

56 67.9 43.3 64.9#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.04 min

Lab File: VL038352.D

Acq: 14 Feb 2022 22:43

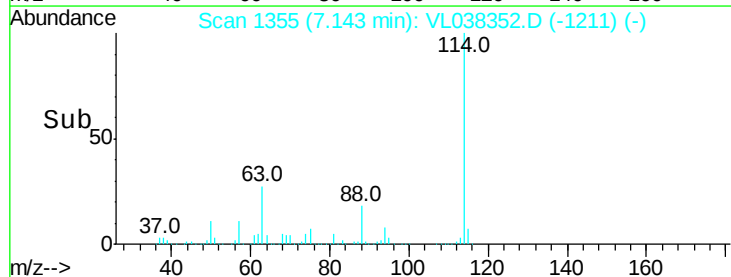
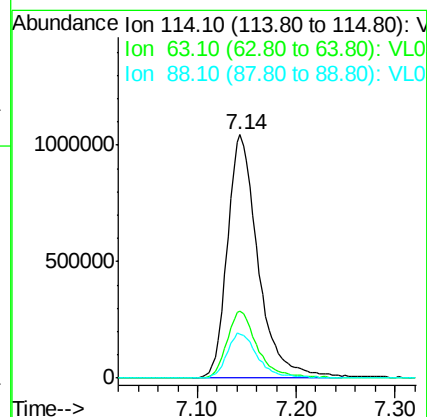
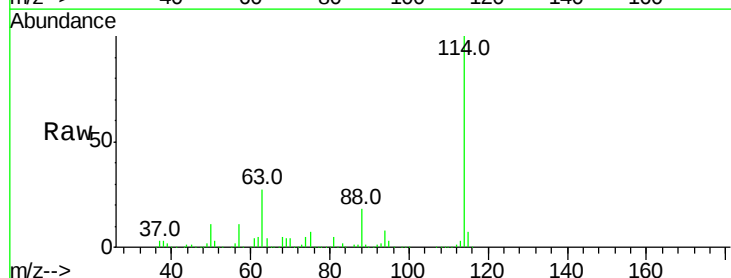
Tgt Ion: 114 Resp: 2278440

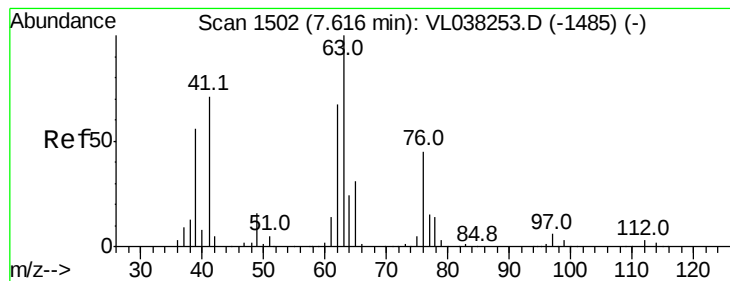
Ion Ratio Lower Upper

114 100

63 27.7 22.0 33.0

88 18.7 15.0 22.6





#39

1,2-Dichloropropane

Concen: 7.55 ppbv

RT: 7.14 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Feb 2022 22:43

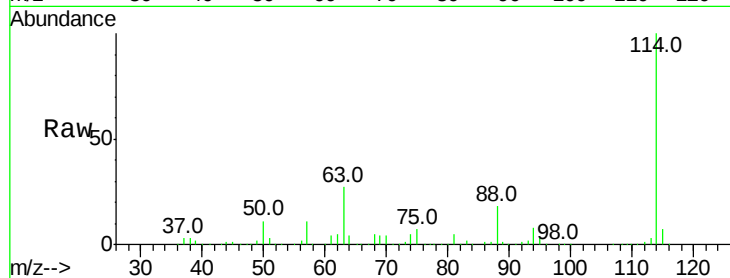
Tgt Ion: 63 Resp: 617028

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

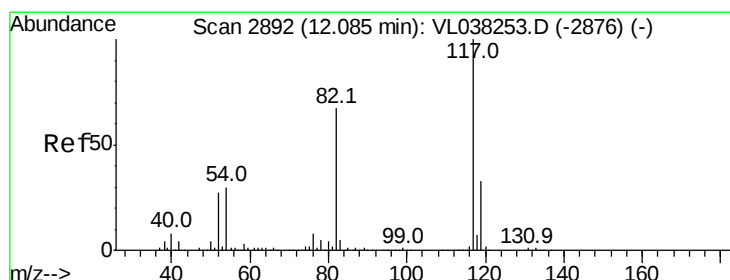
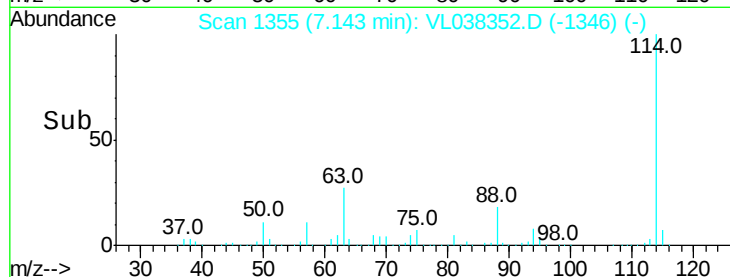
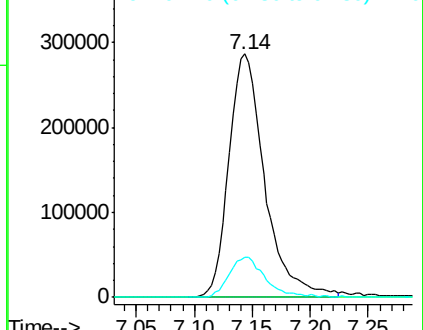
62 16.5 53.9 80.9#



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: 12.05 min Scan# 2880

Delta R.T. -0.04 min

Lab File: VL038352.D

Acq: 14 Feb 2022 22:43

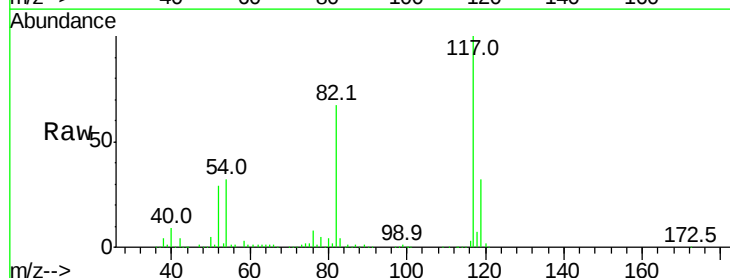
Tgt Ion: 117 Resp: 1955909

Ion Ratio Lower Upper

117 100

82 71.5 54.4 81.6

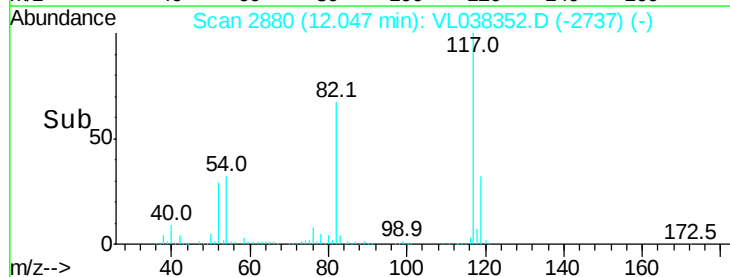
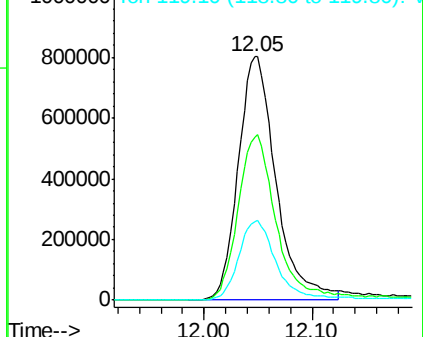
119 34.2 45.9 68.9#

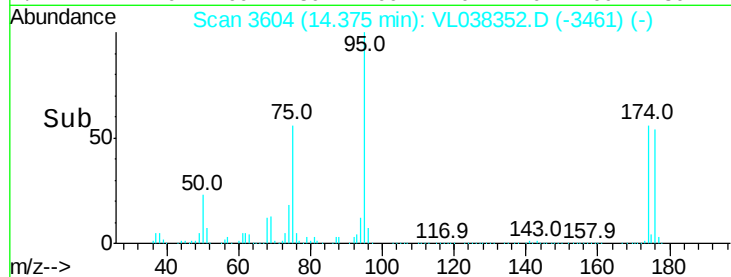
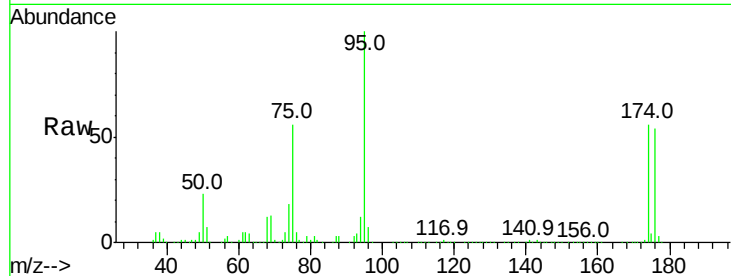
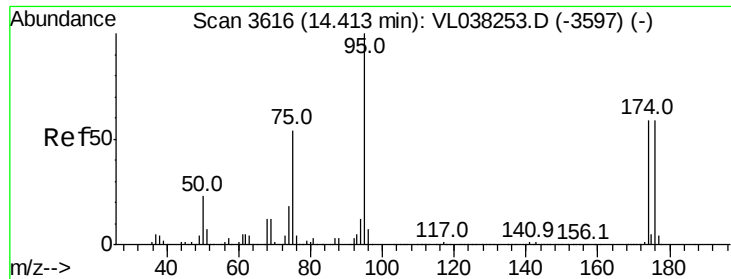


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.28 ppbv

RT: 14.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

OA1DL

Acq: 14 Feb 2022 22:45

Tgt Ion: 95 Resp: 1525473

Ion Ratio Lower Upper

95 100

174 62.5 48.3 72.5

175 4.5 3.5 5.3

