

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038599.D
 Acq On : 14 Mar 2022 17:01
 Operator : SY/AP
 Sample : N1645-13 0.03 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:38:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	810060	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	2059715	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	1748243	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1322979	9.95	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

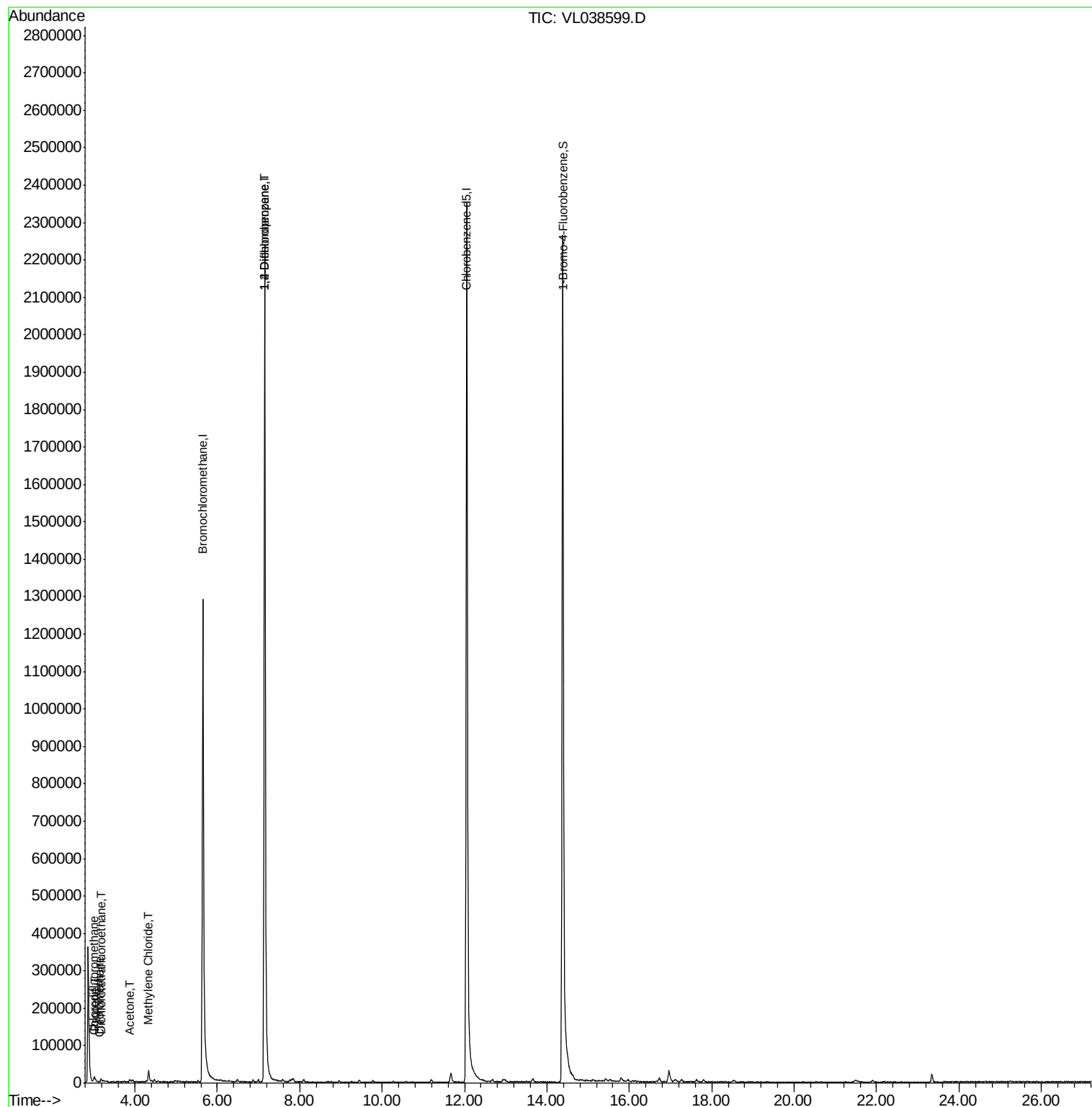
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	4681	0.03	ppbv	94
4) Chloromethane	3.13	50	1620	0.03	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	4159	0.04	ppbv	88
9) Propene	3.01	41	3864	0.08	ppbv	92
15) Acetone	3.87	43	8039	0.14	ppbv #	79
20) Methylene Chloride	4.33	84	11241	0.33	ppbv	93
39) 1,2-Dichloropropane	7.15	63	485443	6.79	ppbv #	27

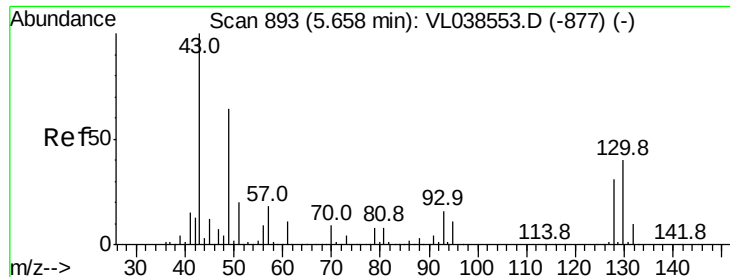
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 17:01

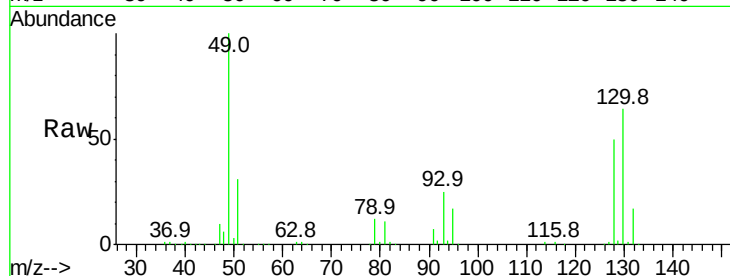
Tgt Ion: 49 Resp: 810060

Ion Ratio Lower Upper

49 100

128 52.6 26.4 79.2

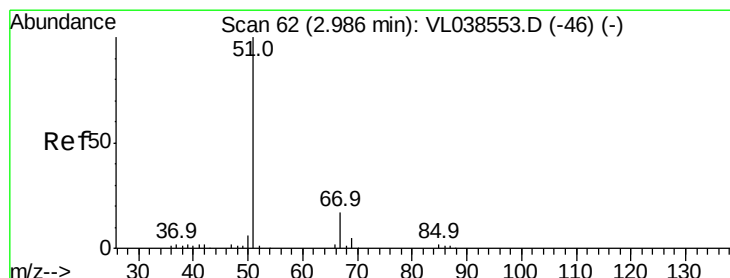
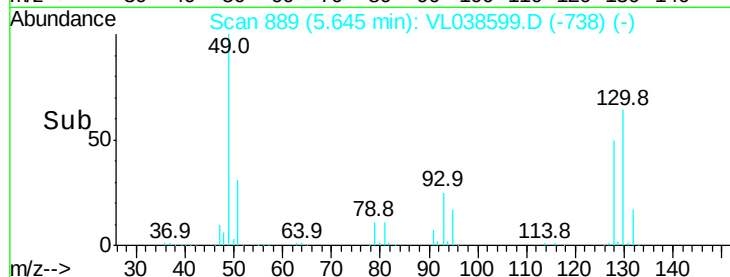
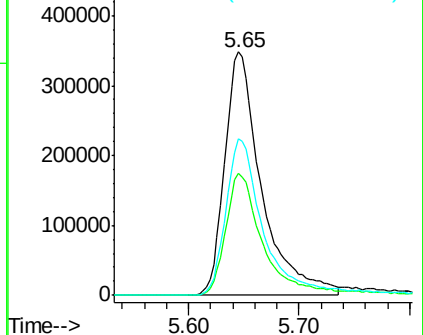
130 67.4 33.0 98.9



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: 0.03 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL038599.D

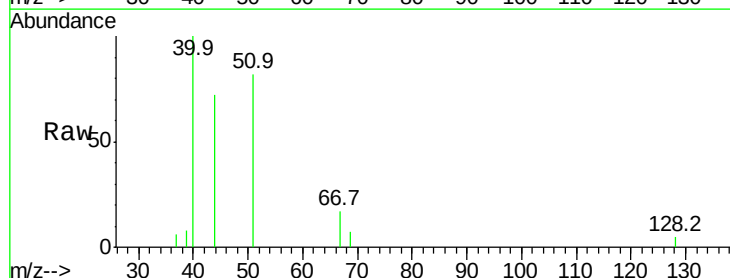
Acq: 14 Mar 2022 17:01

Tgt Ion: 51 Resp: 4681

Ion Ratio Lower Upper

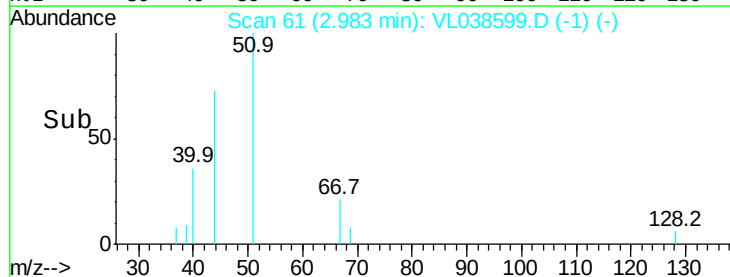
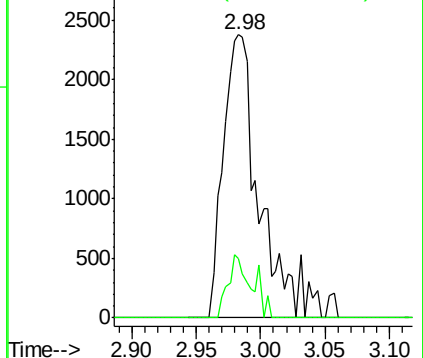
51 100

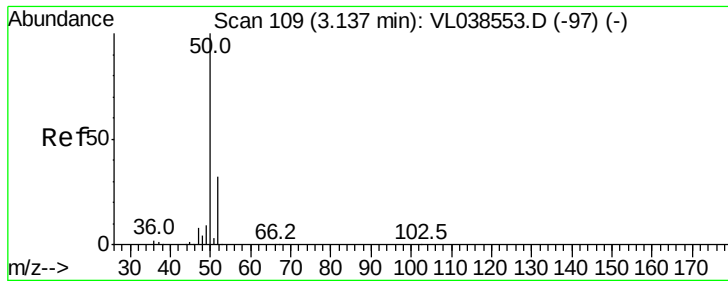
67 14.5 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

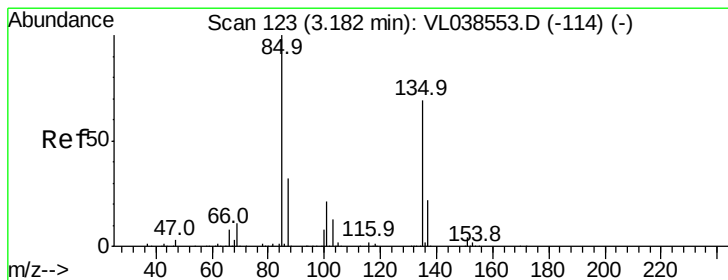
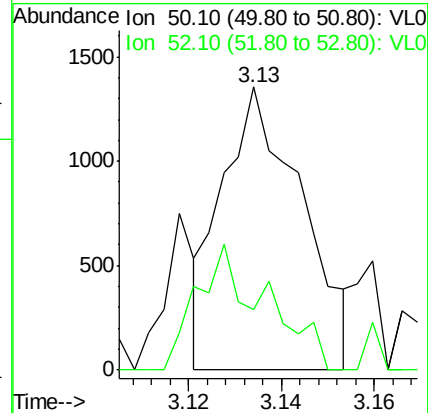
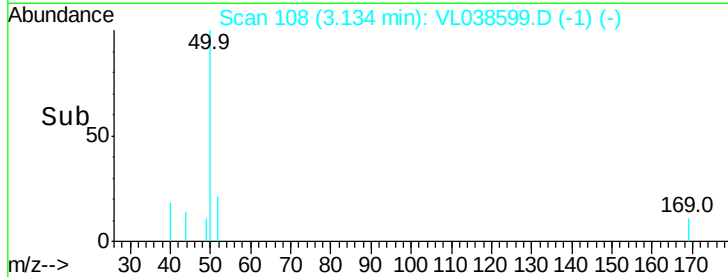
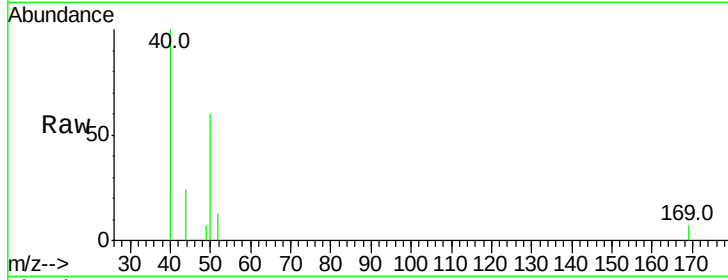
Acq: 14 Mar 2022 17:01

Tgt Ion: 50 Resp: 1620

Ion Ratio Lower Upper

50 100

52 29.8 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 0.04 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL038599.D

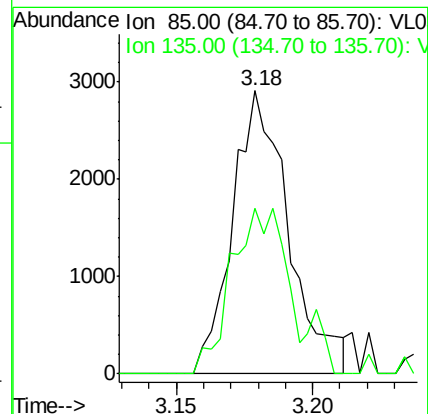
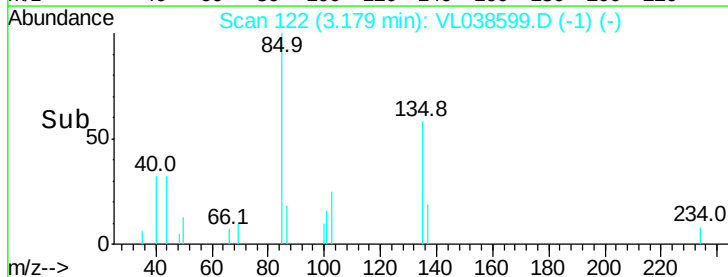
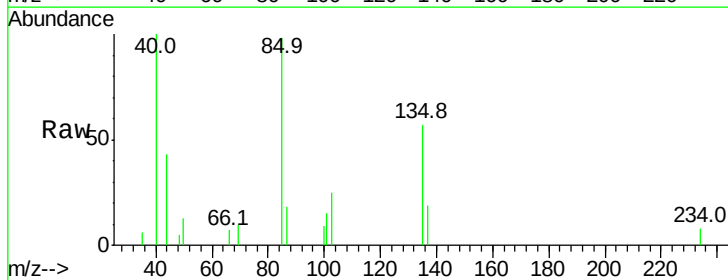
Acq: 14 Mar 2022 17:01

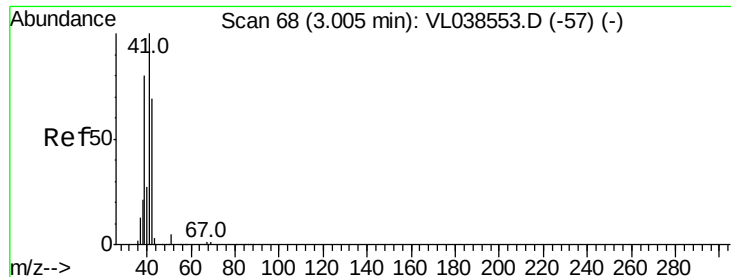
Tgt Ion: 85 Resp: 4159

Ion Ratio Lower Upper

85 100

135 63.6 59.0 88.4





#9

Propene

Concen: 0.08 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

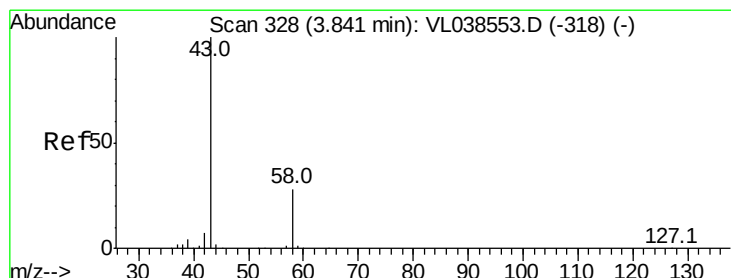
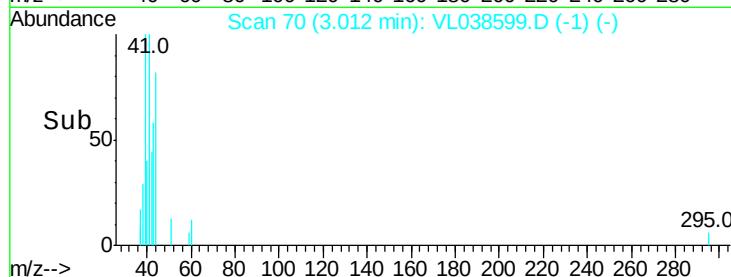
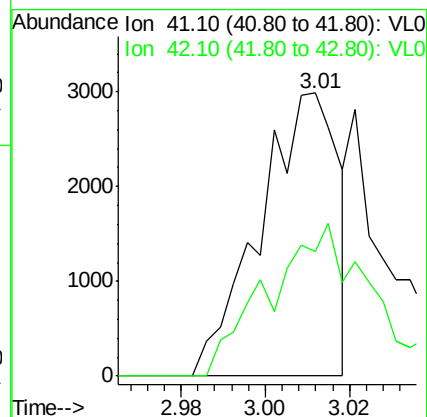
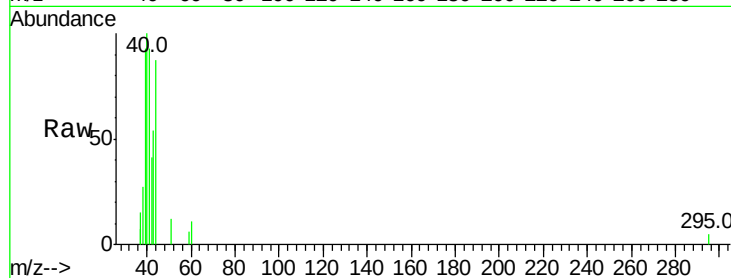
Acq: 14 Mar 2022 17:01

Tgt Ion: 41 Resp: 3864

Ion Ratio Lower Upper

41 100

42 75.9 55.7 83.5



#15

Acetone

Concen: 0.14 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL038599.D

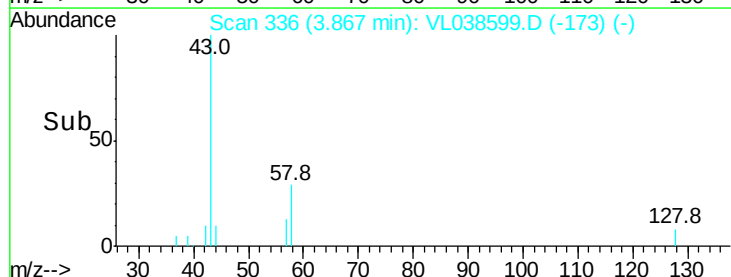
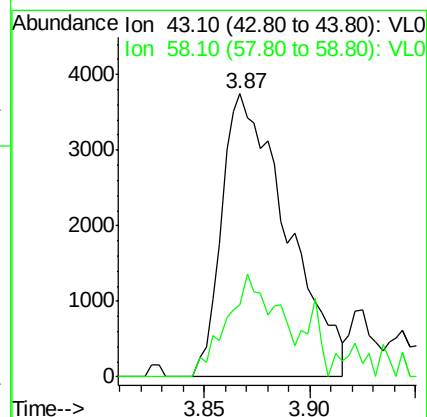
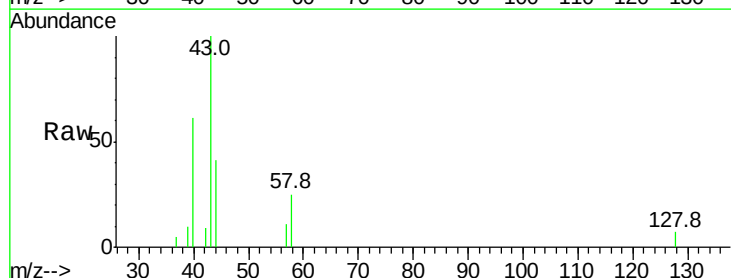
Acq: 14 Mar 2022 17:01

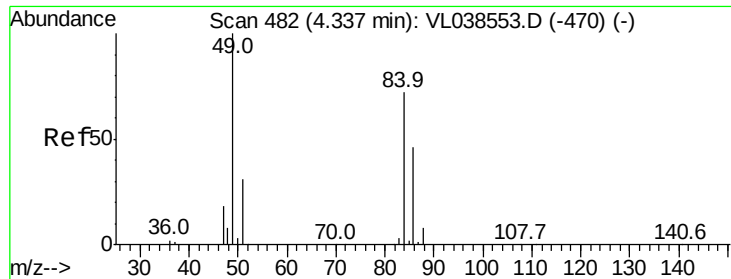
Tgt Ion: 43 Resp: 8039

Ion Ratio Lower Upper

43 100

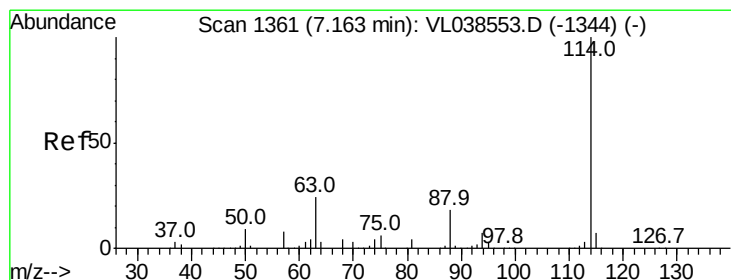
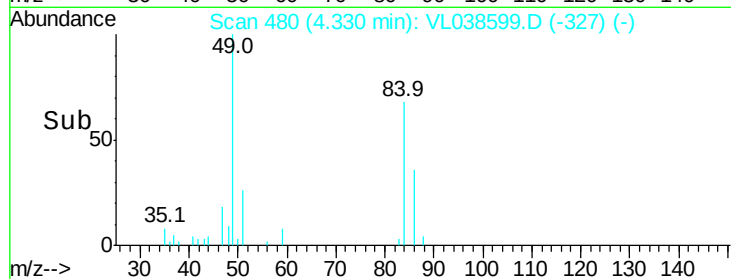
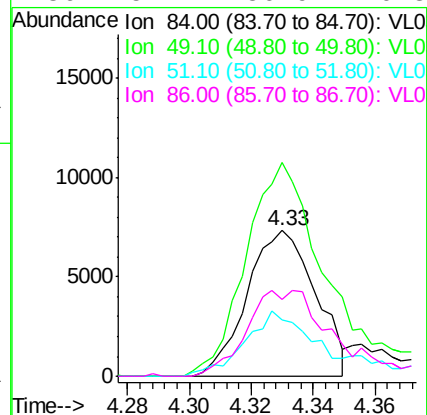
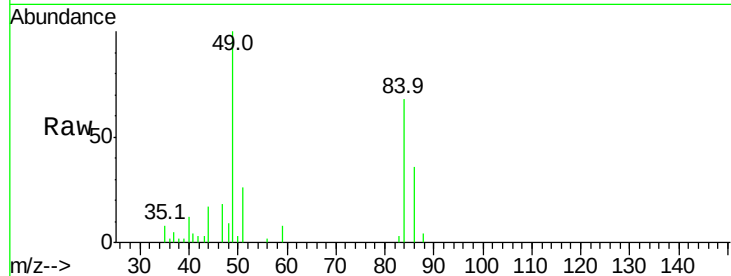
58 39.7 22.7 34.1#





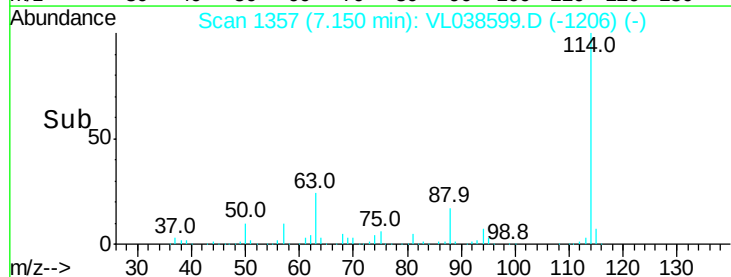
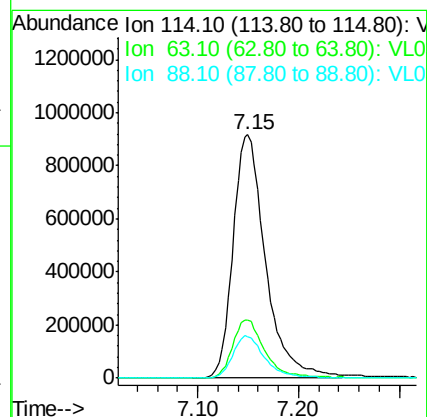
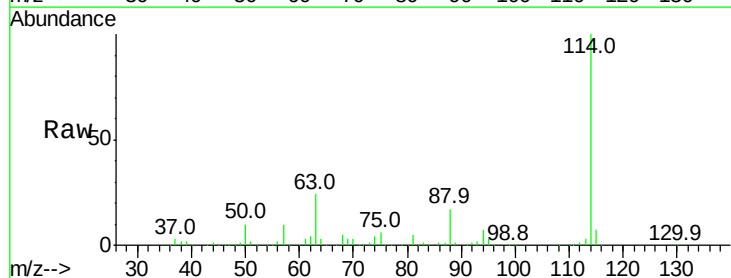
#20
Methylene Chloride
Concen: 0.33 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 14 Mar 2022 17:01

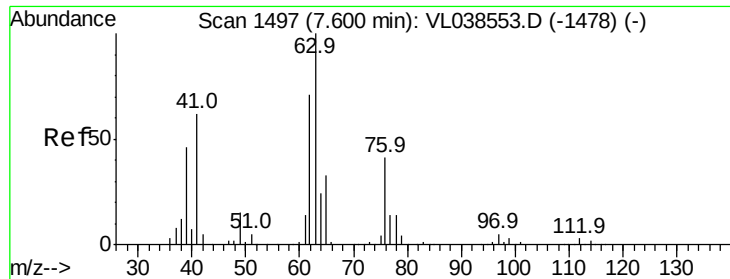
Tgt Ion:	84	Resp:	11241
Ion	Ratio	Lower	Upper
84	100		
49	143.1	111.1	166.7
51	36.4	34.0	51.0
86	52.4	50.9	76.3



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL038599.D
Acq: 14 Mar 2022 17:01

Tgt Ion:	114	Resp:	2059715
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.5	13.9	20.9





#39

1,2-Dichloropropane

Concen: 6.79 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 17:01 LOD-MDL-AIR-01-QT1-2022

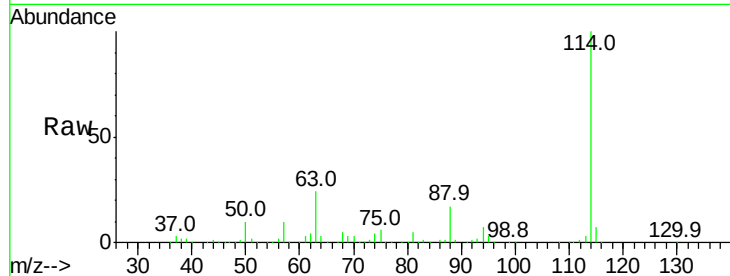
Tgt Ion: 63 Resp: 485443

Ion Ratio Lower Upper

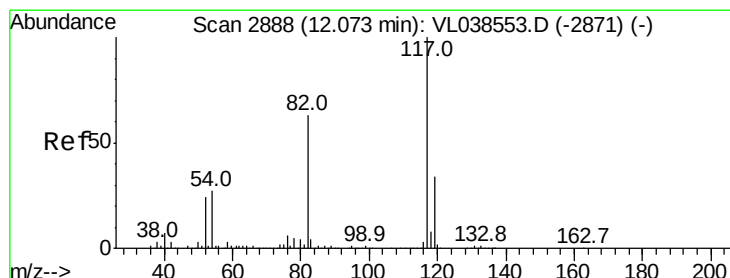
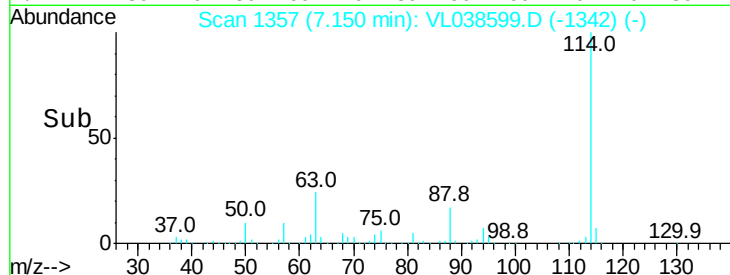
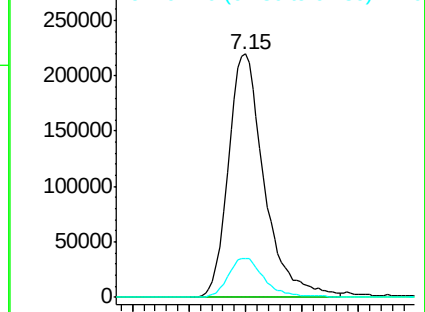
63 100

41 0.0 49.8 74.6#

62 16.1 56.7 85.1#



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# 2882

Delta R.T. -0.02 min

Lab File: VL038599.D

Acq: 14 Mar 2022 17:01

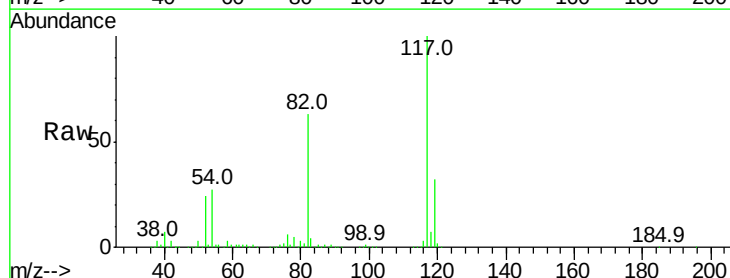
Tgt Ion: 117 Resp: 1748243

Ion Ratio Lower Upper

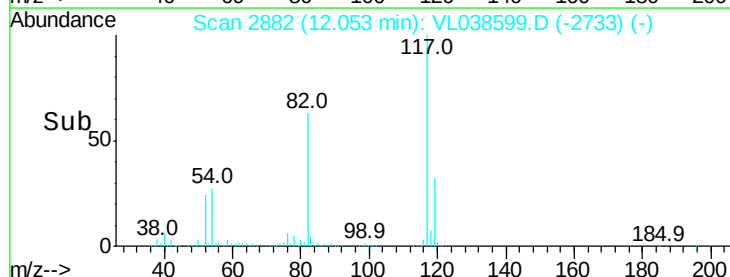
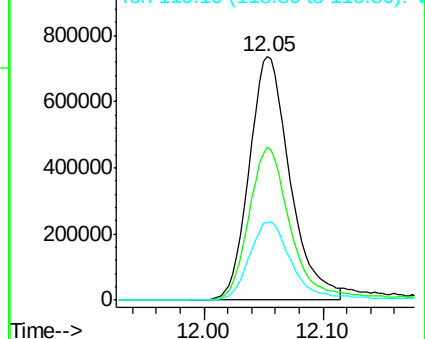
117 100

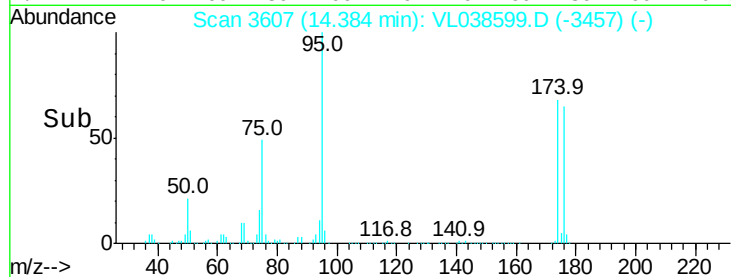
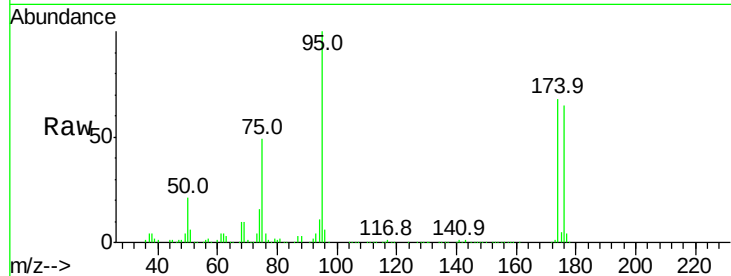
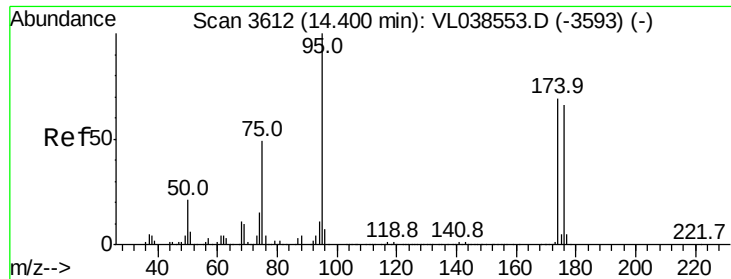
82 67.5 52.5 78.7

119 34.8 46.4 69.6#



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: 9.95 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 17:01

Tgt Ion: 95 Resp: 1322979

Ion Ratio Lower Upper

95 100

174 72.8 56.2 84.4

175 5.1 4.2 6.2

