

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041322\
 Data File : VL038910.D
 Acq On : 13 Apr 2022 19:32
 Operator : SY/AP
 Sample : N2383-01DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

Quant Time: Apr 25 08:29:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1057699	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2612150	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2218601	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1825915	10.85	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.50%

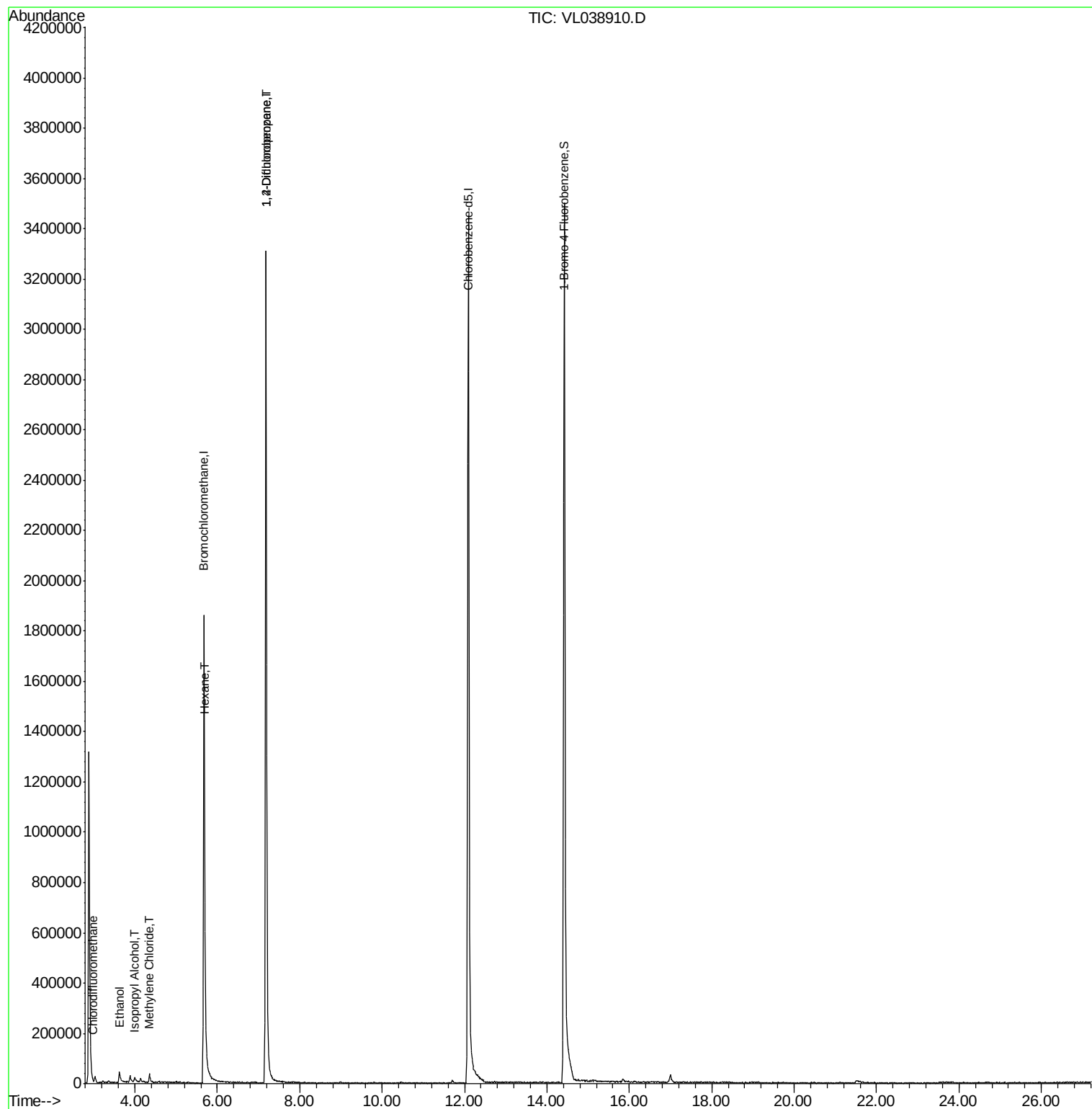
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	5035	0.039	ppbv #	92
13) Ethanol	3.62	45	31239	7.527	ppbv #	100
19) Isopropyl Alcohol	3.99	45	9897	0.184	ppbv #	100
20) Methylene Chloride	4.35	84	7812	0.205	ppbv #	70
26) Hexane	5.70	57	5391	0.044	ppbv #	40
39) 1,2-Dichloropropane	7.18	63	723846	7.964	ppbv #	28

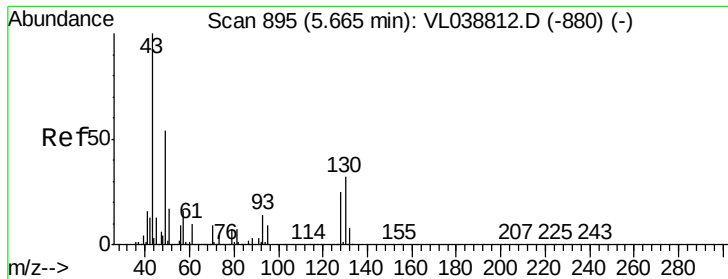
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041322\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: 1DL

Acq: 13 Apr 2022 19:32

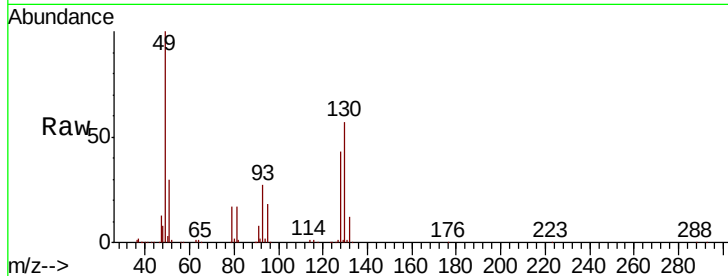
Tot Ion: 49 Resp: 1057699

Ion	Ratio	Lower	Upper
49	100		
128	48.2	24.1	72.3
130	62.8	30.9	92.8

49 100

128 48.2 24.1 72.3

130 62.8 30.9 92.8



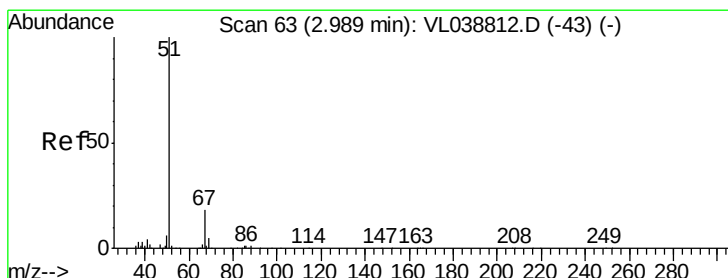
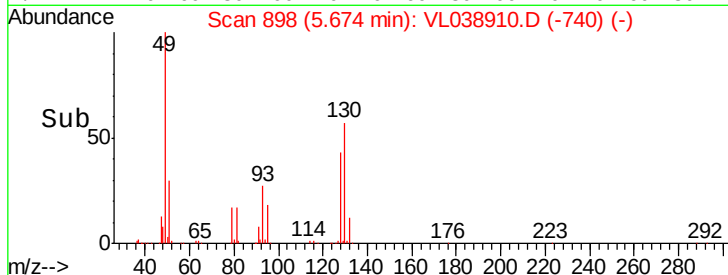
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL038910.D

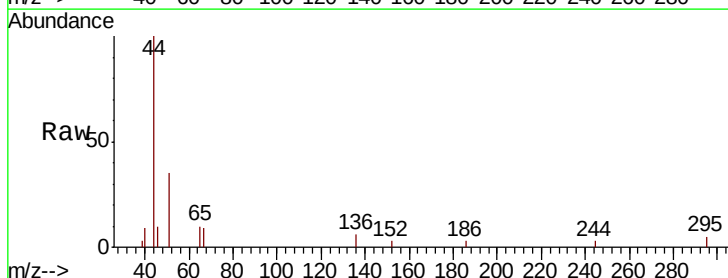
Acq: 13 Apr 2022 19:32

Tgt Ion: 51 Resp: 5035

Ion	Ratio	Lower	Upper
51	100		
67	13.2	13.4	20.0#

51 100

67 13.2 13.4 20.0#

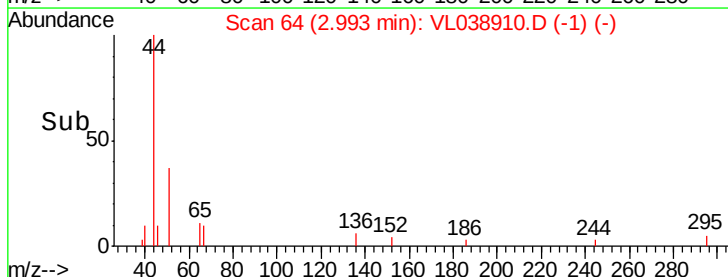


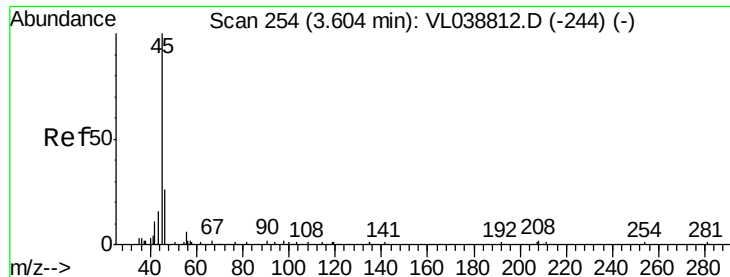
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

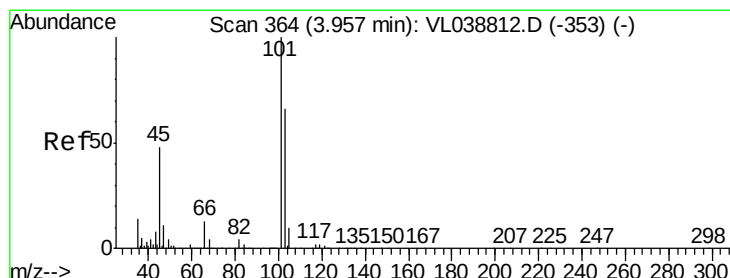
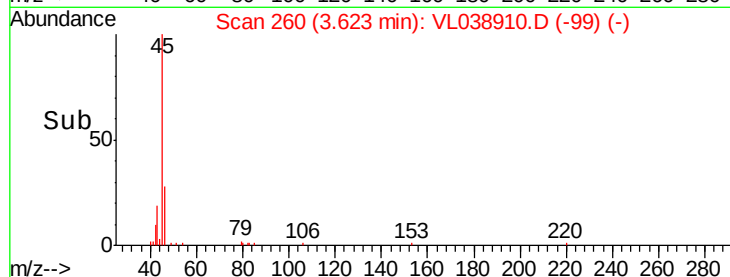
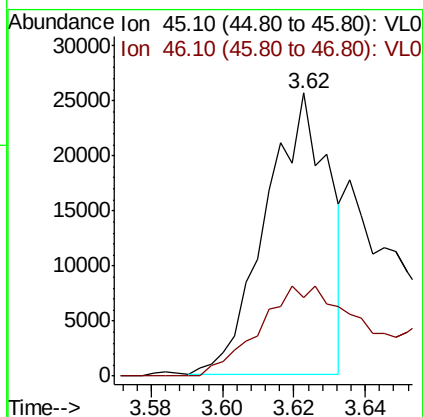
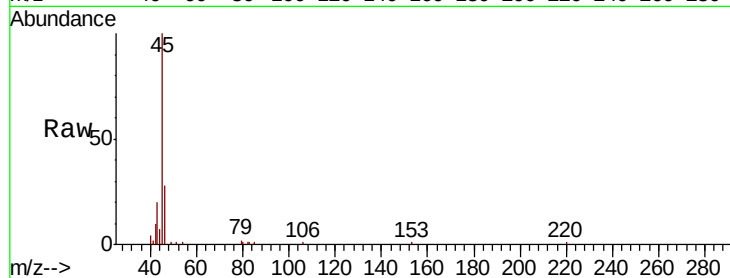
Time-->





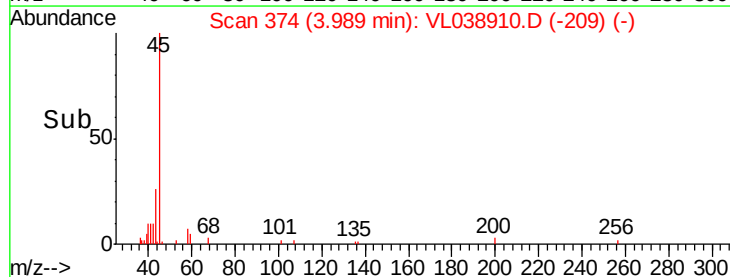
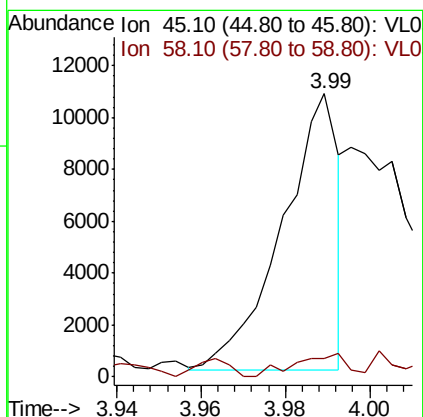
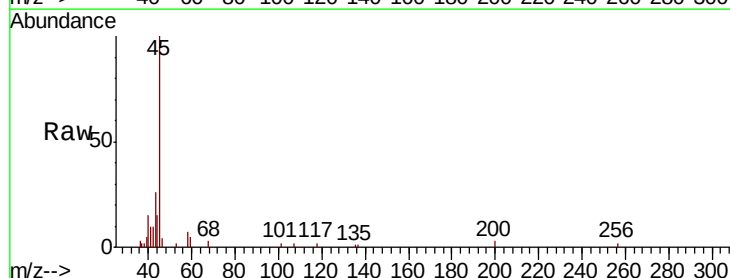
#13
 Ethanol
 Concen: 7.527 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1DL
 Acq: 13 Apr 2022 19:32

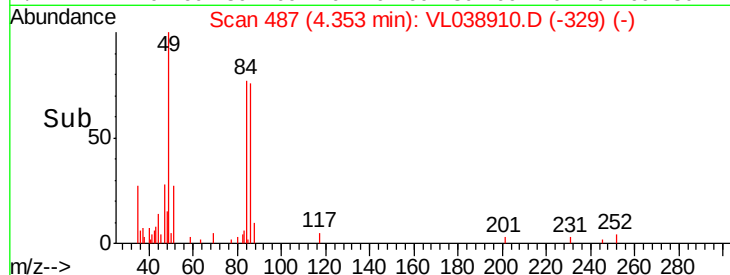
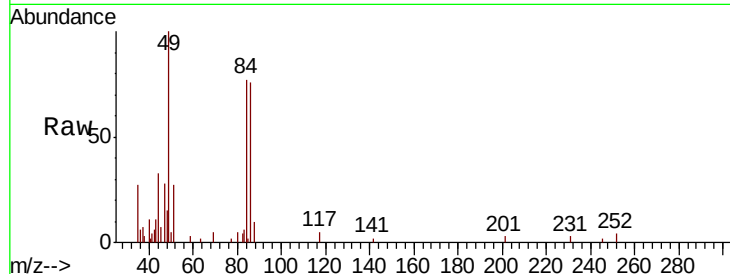
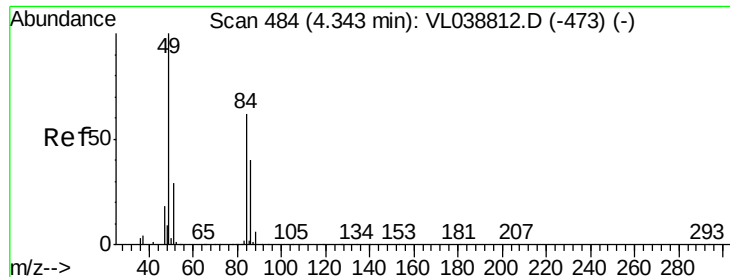
Tot Ion: 45 Resp: 31239
 Ion Ratio Lower Upper
 45 100
 46 61.4 0.0 0.0#



#19
 Isopropyl Alcohol
 Concen: 0.184 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.03 min
 Lab File: VL038910.D
 Acq: 13 Apr 2022 19:32

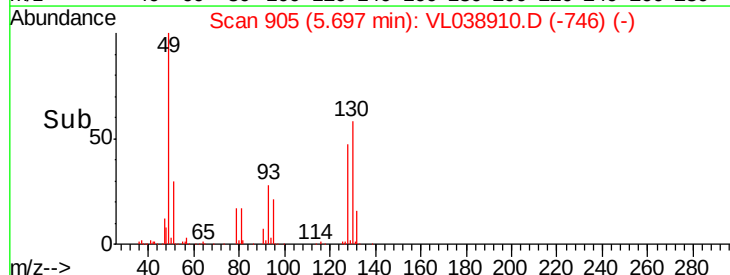
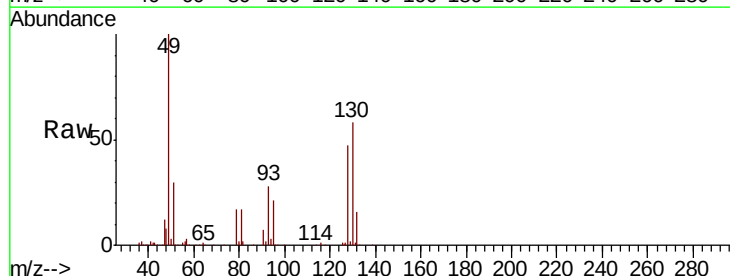
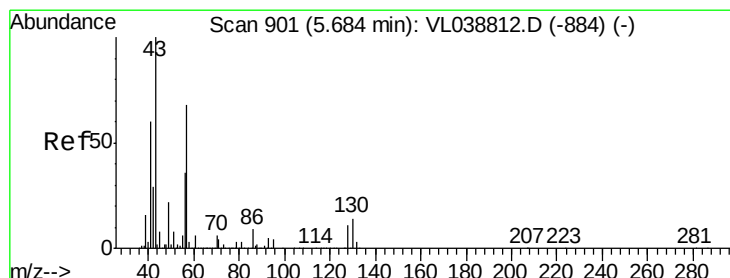
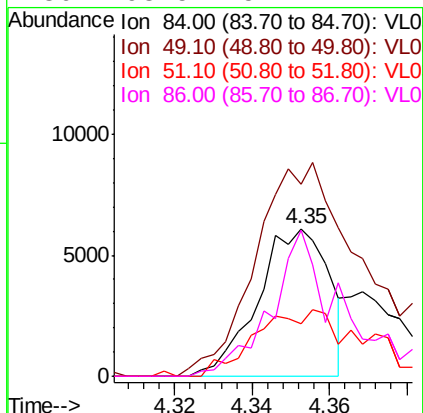
Tgt Ion: 45 Resp: 9897
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0





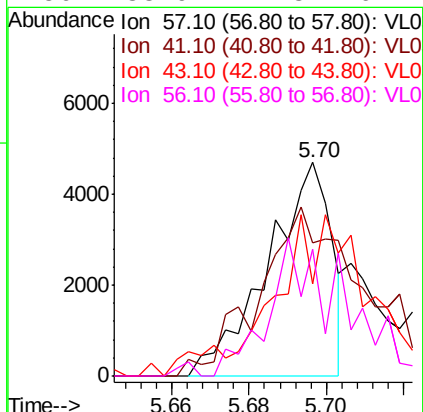
#20
Methvlene Chloride
Concen: 0.205 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 13 Apr 2022 19:32

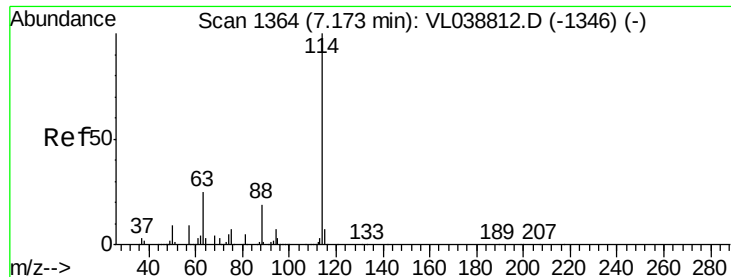
Tot Ion:	84	Resp:	7812
Ion	Ratio	Lower	Upper
84	100		
49	124.6	129.4	194.0#
51	35.3	37.4	56.2#
86	98.5	51.4	77.2#



#26
Hexane
Concen: 0.044 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL038910.D
Acq: 13 Apr 2022 19:32

Tgt Ion:	57	Resp:	5391
Ion	Ratio	Lower	Upper
57	100		
41	143.3	72.0	108.0#
43	127.9	186.6	280.0#
56	88.9	42.8	64.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 19:32

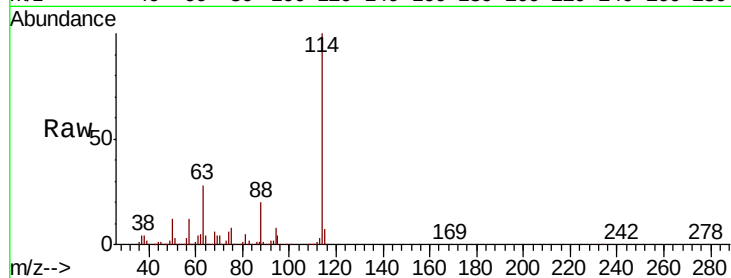
Tot Ion:114 Resp: 2612150

Ion Ratio Lower Upper

114 100

63 28.8 19.8 29.8

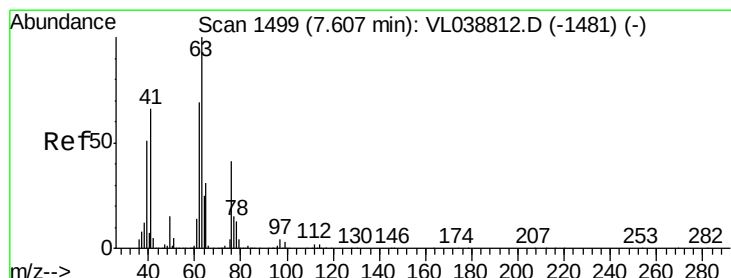
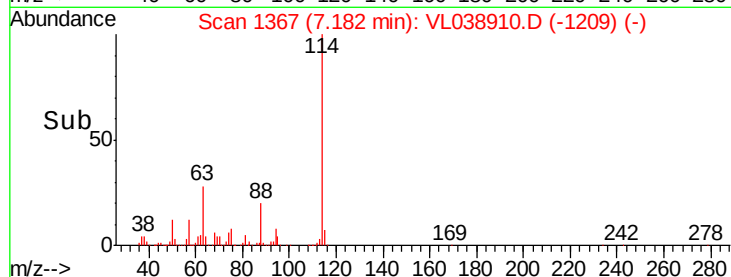
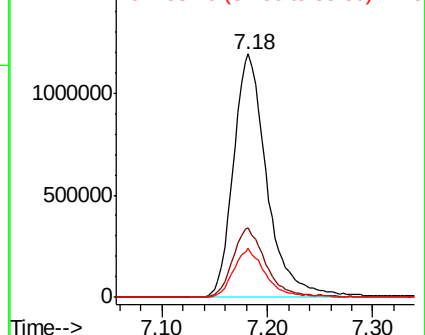
88 19.6 14.2 21.4



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: 7.964 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.42 min

Lab File: VL038910.D

Acq: 13 Apr 2022 19:32

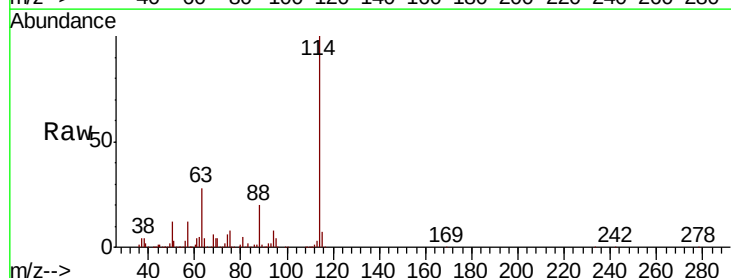
Tgt Ion: 63 Resp: 723846

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

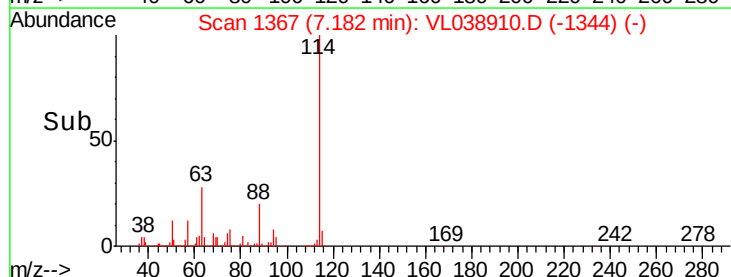
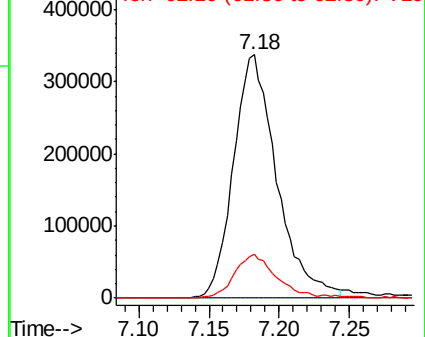
62 18.3 55.0 82.4#

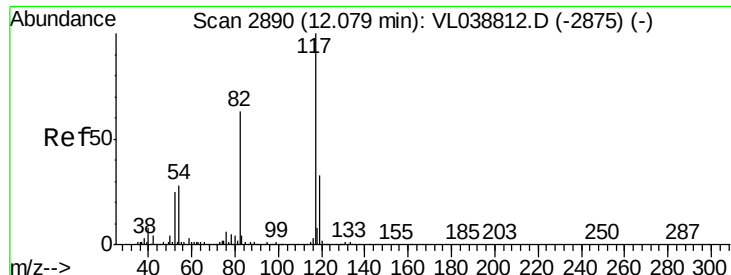


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

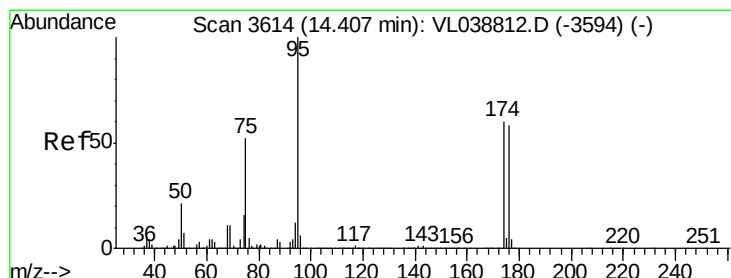
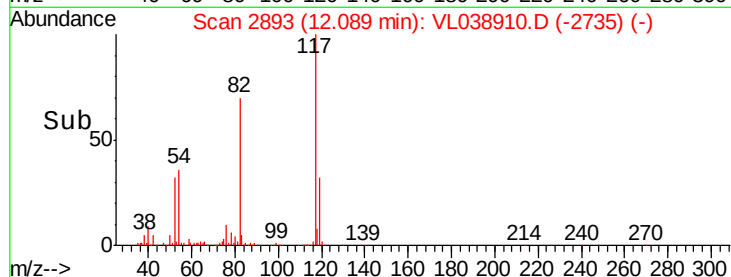
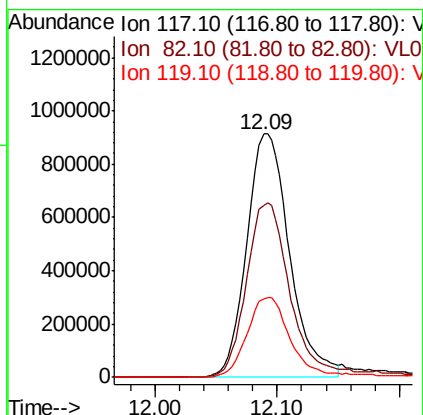
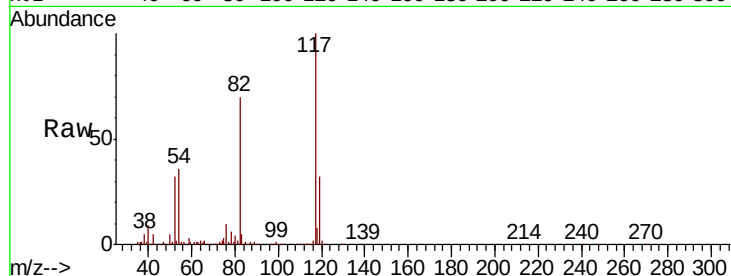




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2022 19:32

Tot Ion: 117 Resp: 2218601

Ion	Ratio	Lower	Upper
117	100		
82	75.4	53.0	79.6
119	33.9	24.9	37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.850 ppbv
RT: 14.42 min Scan# 3618
Delta R.T.: 0.01 min
Lab File: VL038910.D
Acq: 13 Apr 2022 19:32

Tgt Ion: 95 Resp: 1825915

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.0	78.0
175	4.7	4.0	6.0

