

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 14 08:25:10 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%

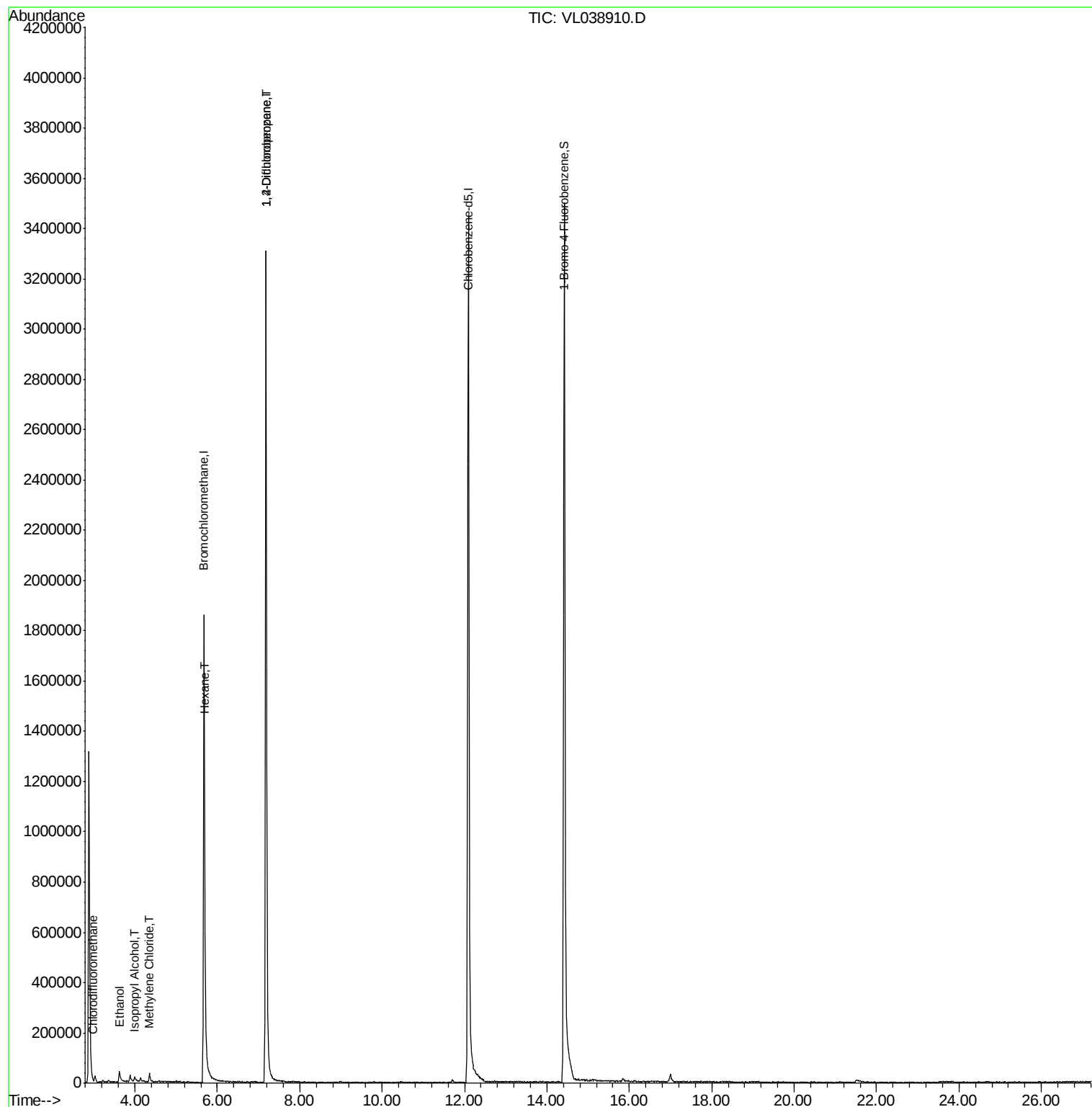
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	5035	0.039	ppbv #	92
13) Ethanol	3.62	45	31239	7.527	ppbv #	100
19) Isopropyl Alcohol	3.99	45	9897	0.184	ppbv #	100
20) Methylene Chloride	4.35	84	7812	0.205	ppbv #	70
26) Hexane	5.70	57	5391	0.044	ppbv #	40
39) 1,2-Dichloropropane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

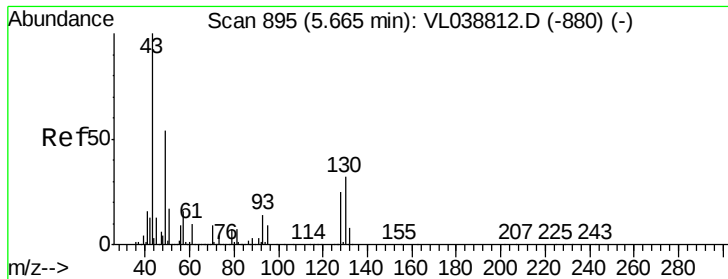
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2022 19:32

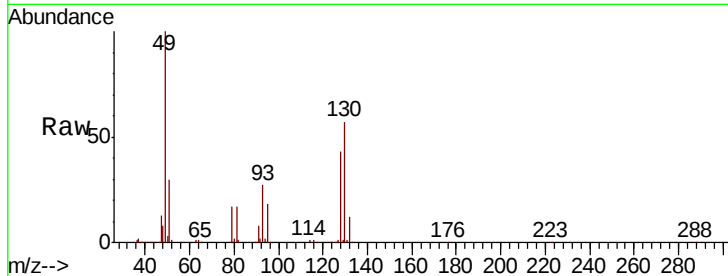
Tot Ion: 49 Resp: 1057699

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



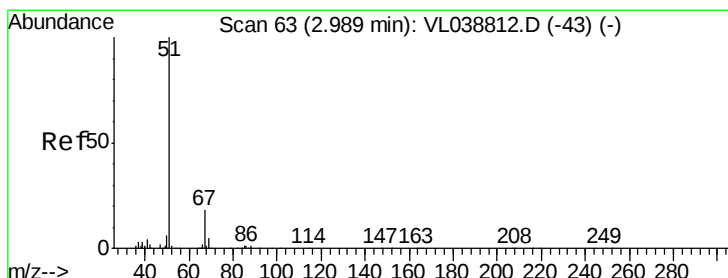
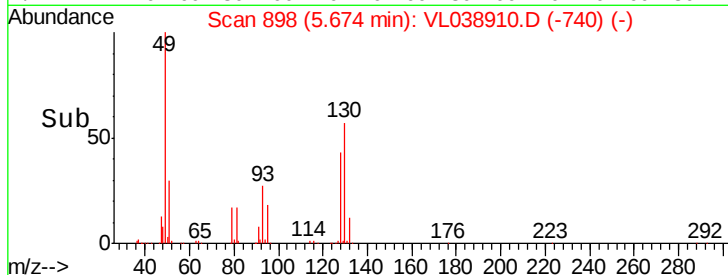
Abundance Ion 49.10 (48.80 to 49.80): VL0

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

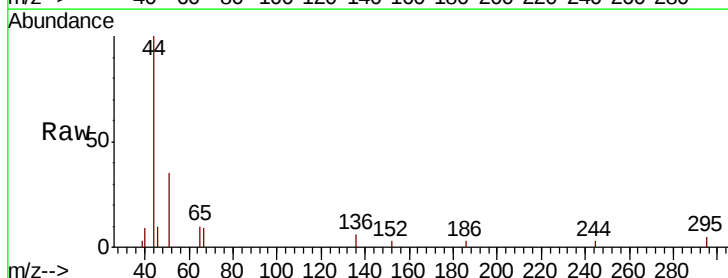
Acq: 13 Apr 2022 19:32

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#

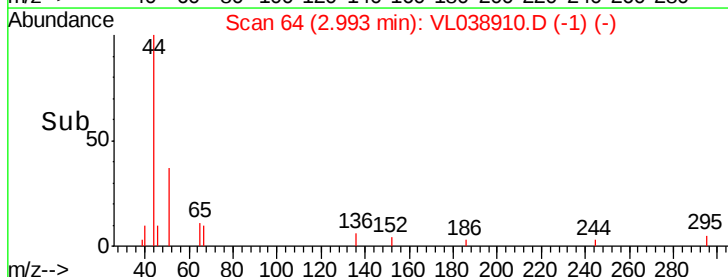


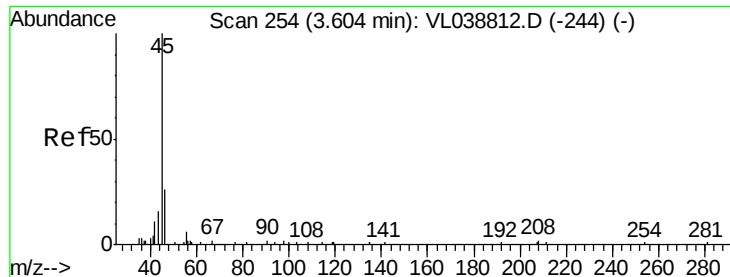
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

Time-->





#13

Ethanol

Concen: 7.527 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

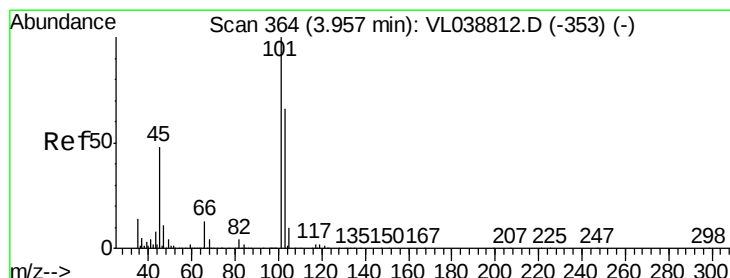
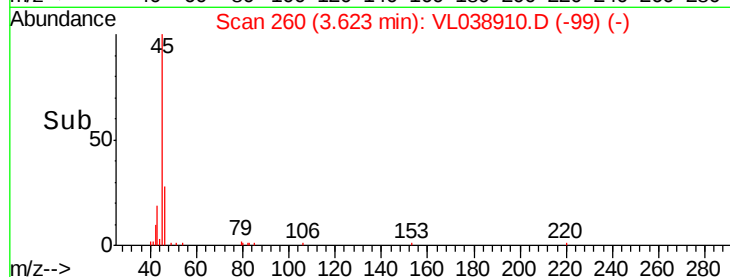
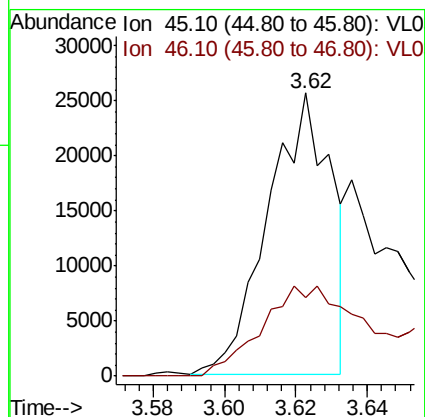
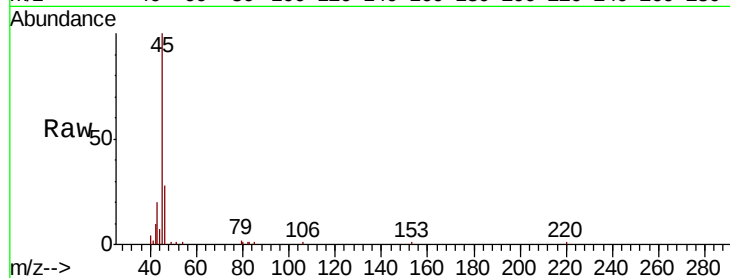
Acq: 13 Apr 2022 19:32

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

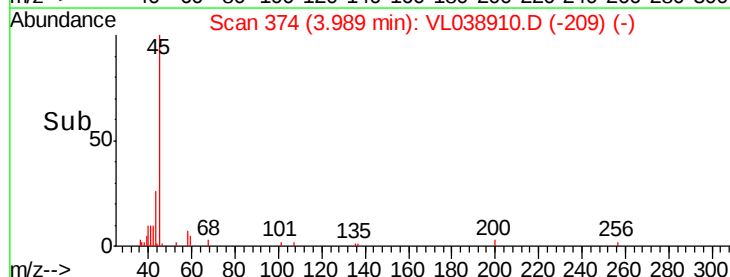
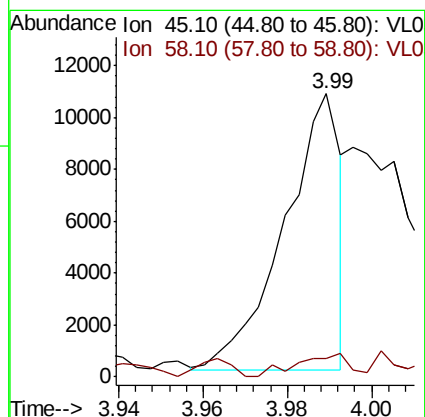
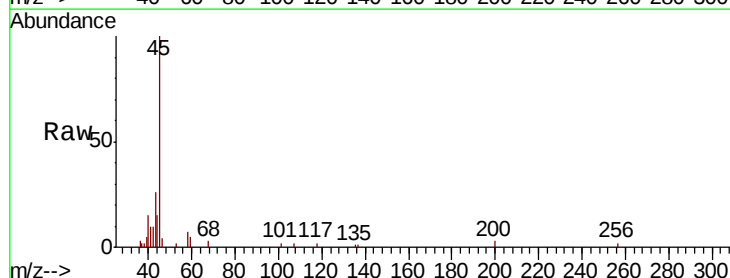
Acq: 13 Apr 2022 19:32

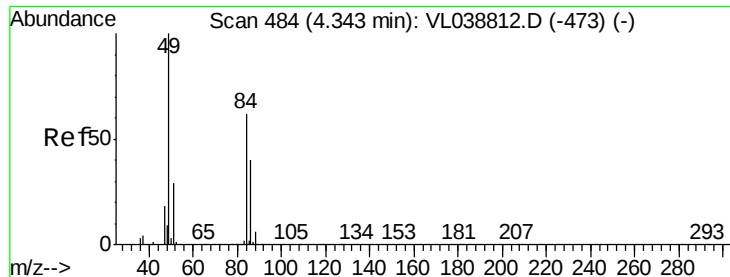
Tgt Ion: 45 Resp: 9897

Ion Ratio Lower Upper

45 100

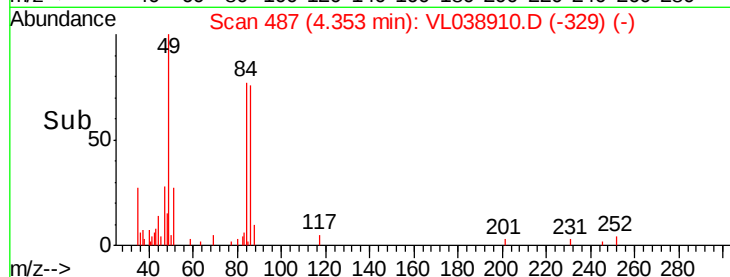
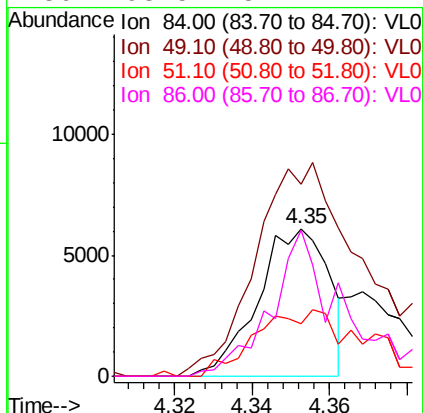
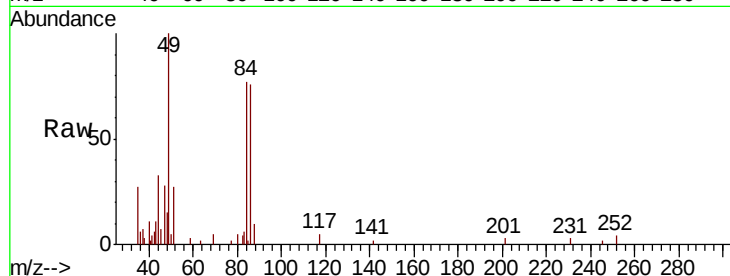
58 0.0 0.0 0.0





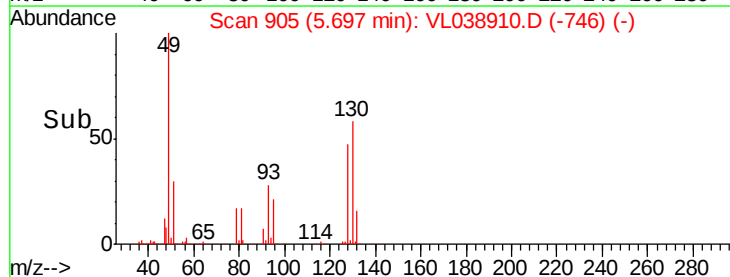
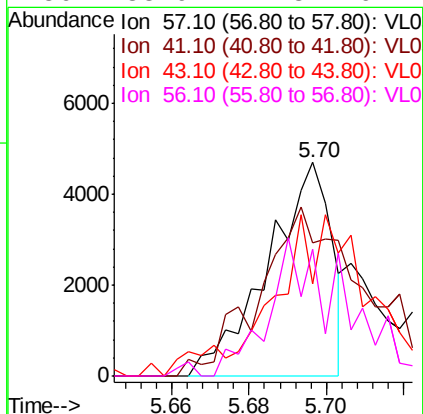
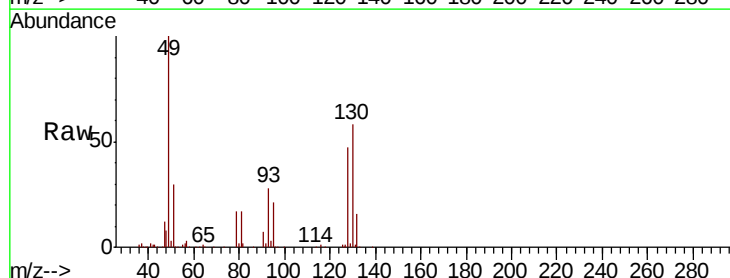
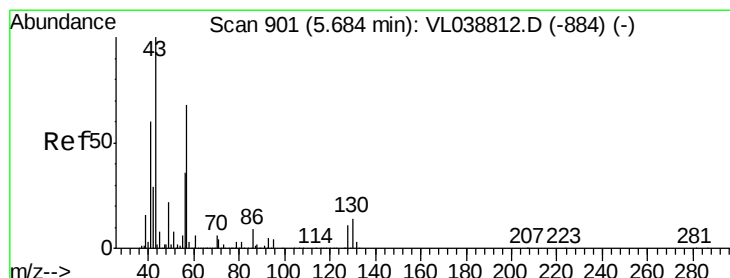
#20
Methvlene Chloride
Concen: 0.205 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2022 19:32

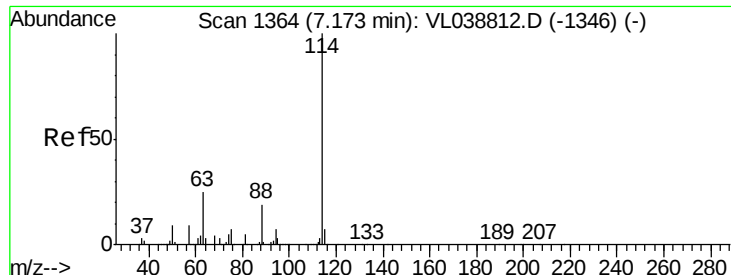
Tot Ion: 84 Resp: 7812
Ion Ratio Lower Upper
84 100
49 124.6 129.4 194.0#
51 35.3 37.4 56.2#
86 98.5 51.4 77.2#



#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

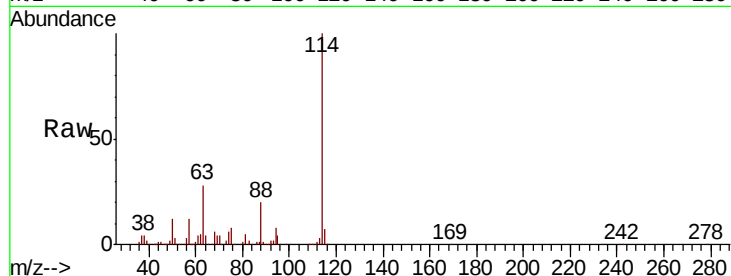
Tgt Ion: 57 Resp: 5391
Ion Ratio Lower Upper
57 100
41 143.3 72.0 108.0#
43 127.9 186.6 280.0#
56 88.9 42.8 64.2#



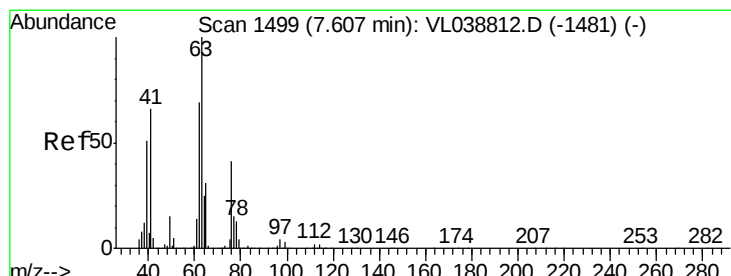
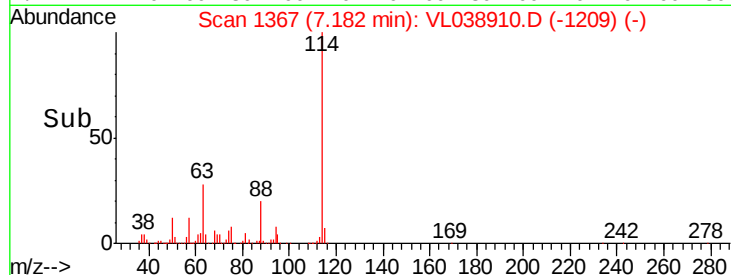
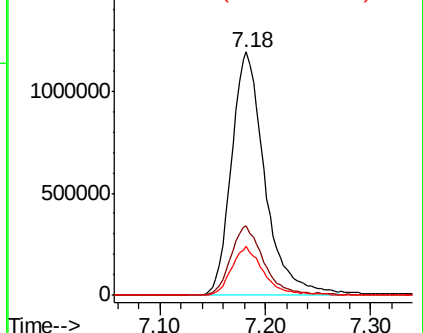


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 13 Apr 2022 19:32

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

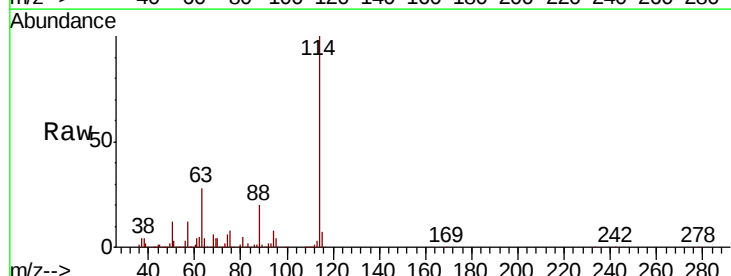


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

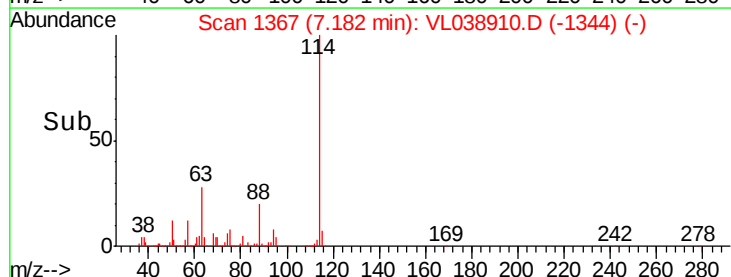
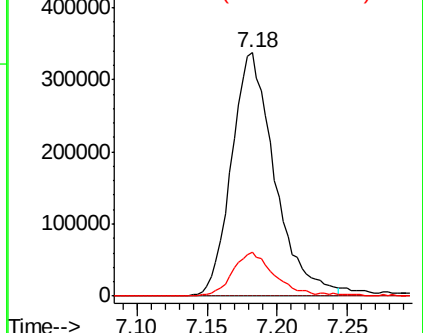


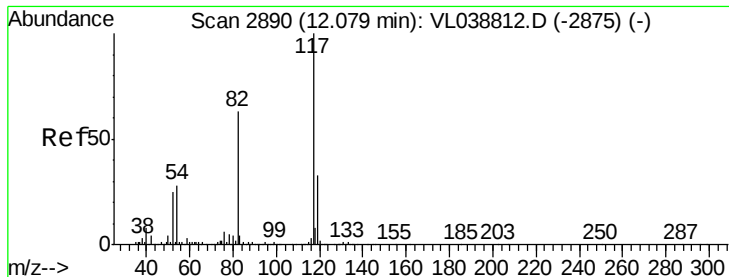
#39
 1,2-Dichloropropane
 Concen: 7.964 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T.: -0.42 min
 Lab File: VL038910.D
 Acq: 13 Apr 2022 19:32

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

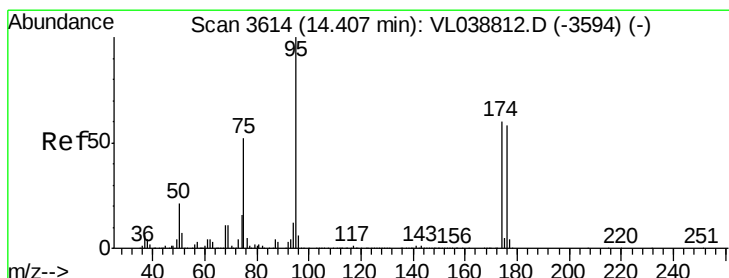
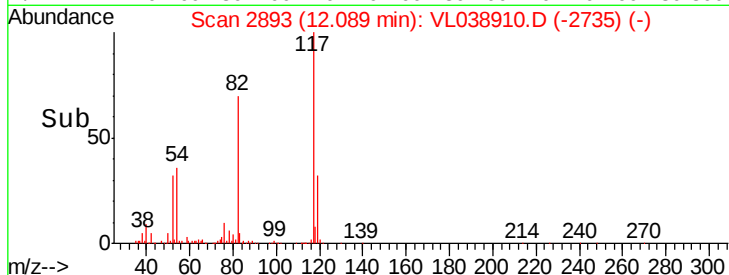
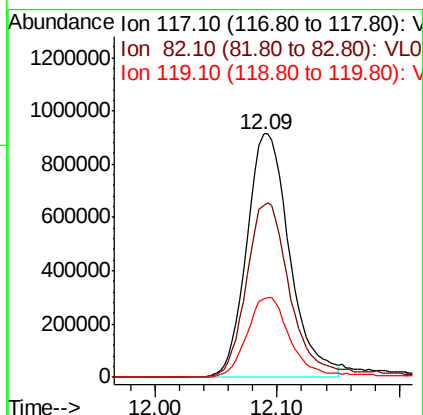
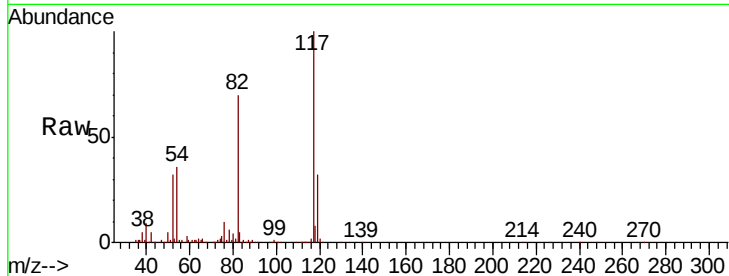




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 13 Apr 2022 19:32

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

