

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
 Data File : VL038250.D
 Acq On : 30 Dec 2021 2:30
 Operator : SY/AP
 Sample : M5252-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Dec 30 06:23:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	654757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1608054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1376524	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1063149	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

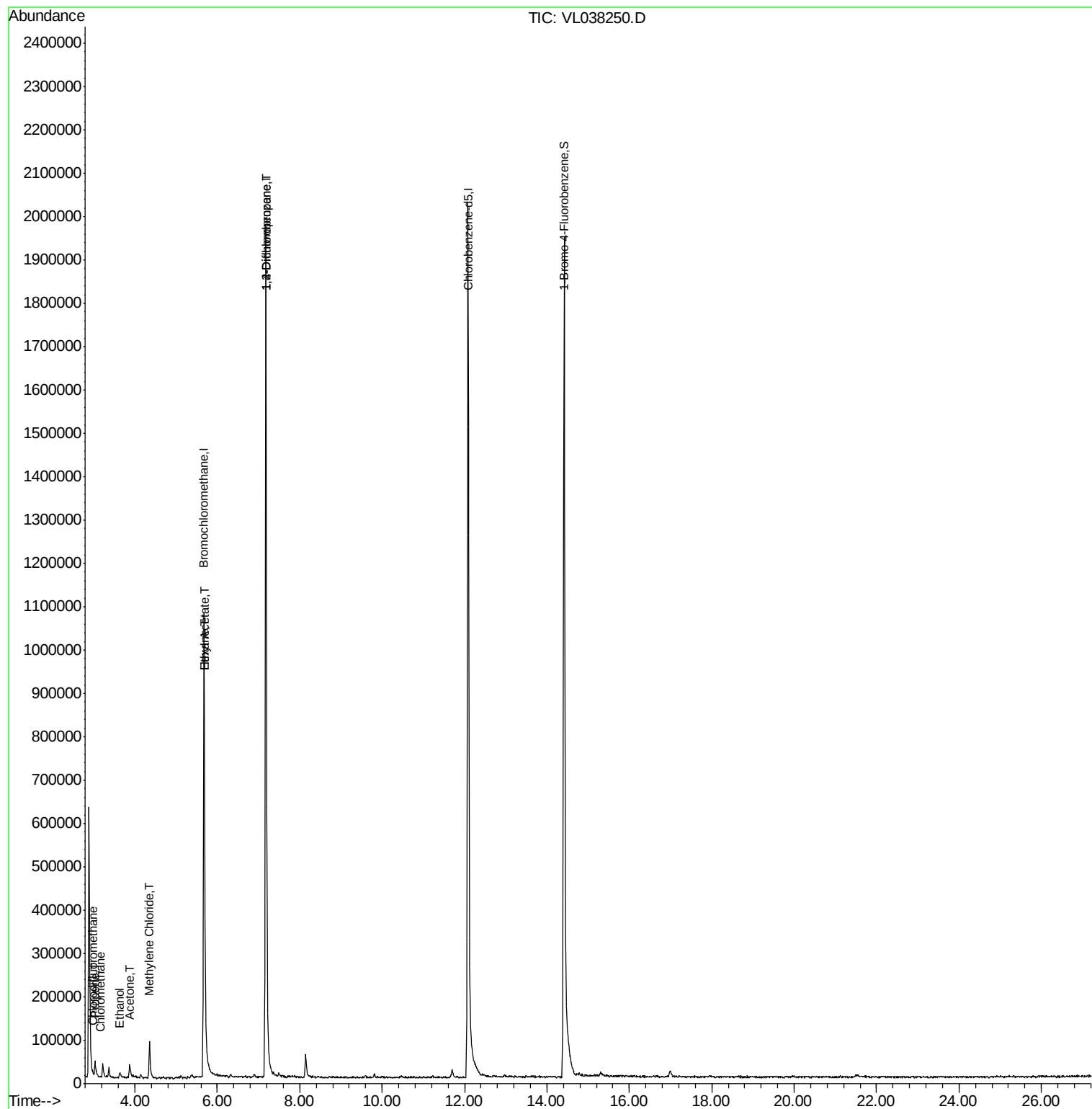
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	9914	0.072	ppbv #	73
4) Chloromethane	3.15	50	1804	0.038	ppbv #	78
9) Propene	3.02	41	2119	0.044	ppbv #	15
13) Ethanol	3.63	45	4854	0.599	ppbv #	100
15) Acetone	3.87	43	17325	0.264	ppbv #	45
20) Methylene Chloride	4.36	84	37118	1.000	ppbv	95
25) Ethyl Acetate	5.69	43	20667	0.116	ppbv #	78
26) Hexane	5.69	57	30903	0.346	ppbv #	42
39) 1,2-Dichloropropane	7.18	63	448973	7.777	ppbv #	26

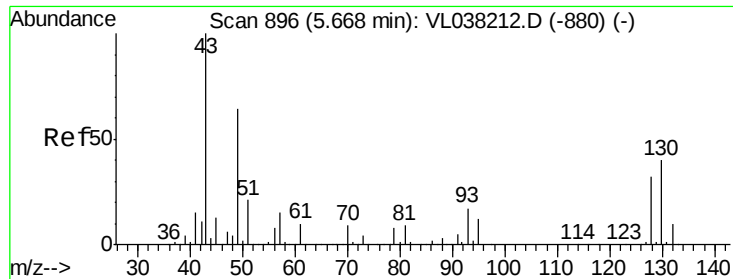
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
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QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: AA-1DL

Acq: 30 Dec 2021 2:30

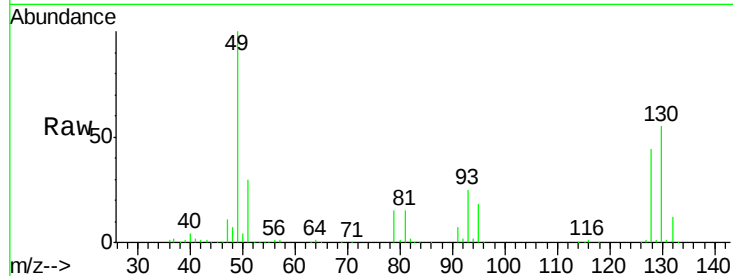
Tgt Ion: 49 Resp: 654757

Ion Ratio Lower Upper

49 100

128 45.2 26.9 80.6

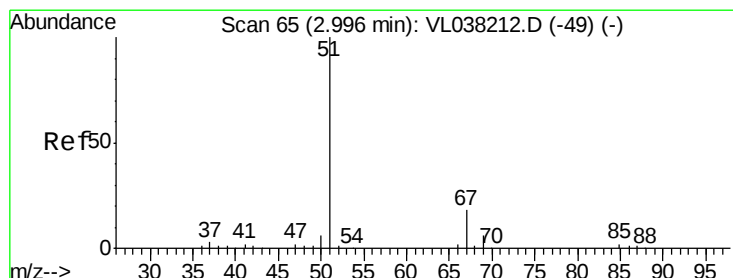
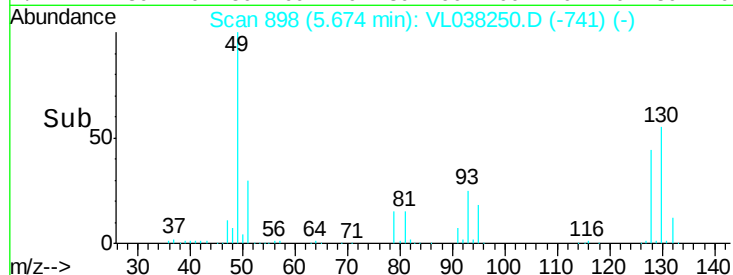
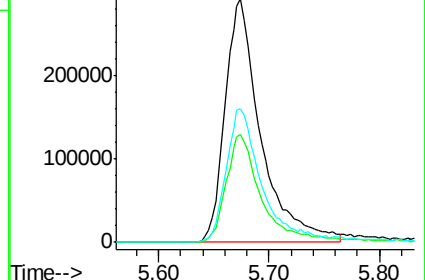
130 58.2 32.3 96.9



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: 0.072 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL038250.D

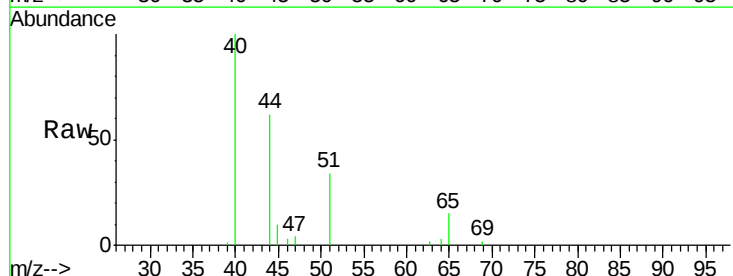
Acq: 30 Dec 2021 2:30

Tgt Ion: 51 Resp: 9914

Ion Ratio Lower Upper

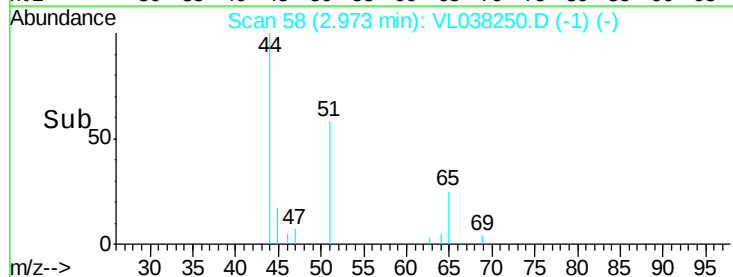
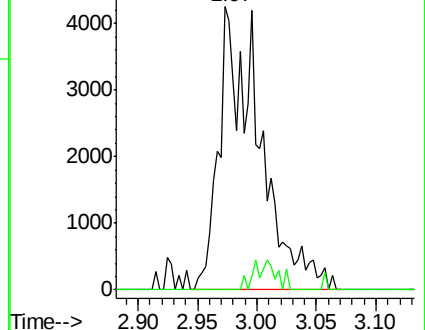
51 100

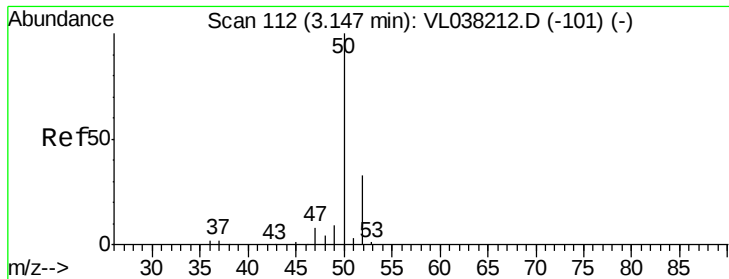
67 5.8 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.038 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

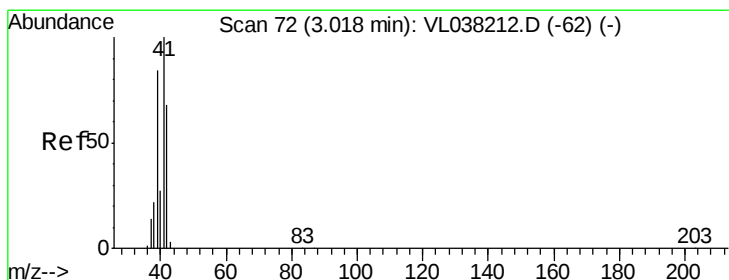
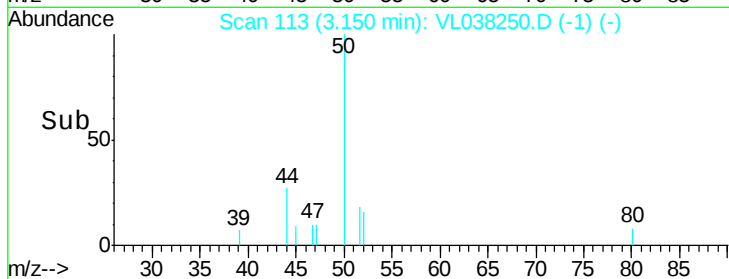
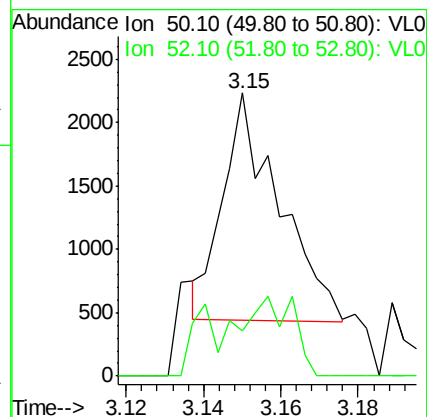
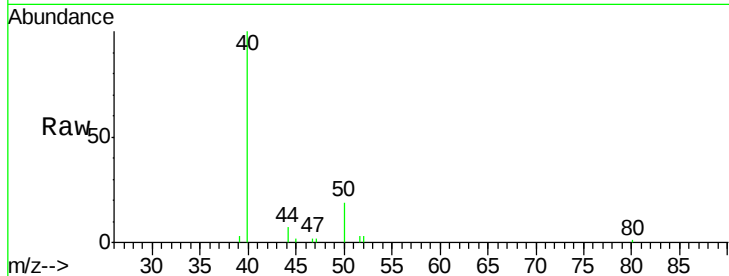
Acq: 30 Dec 2021 2:30

Tgt Ion: 50 Resp: 1804

Ion Ratio Lower Upper

50 100

52 20.1 26.2 39.2#



#9

Propene

Concen: 0.044 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL038250.D

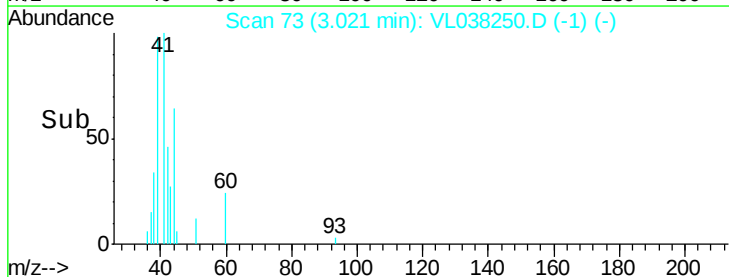
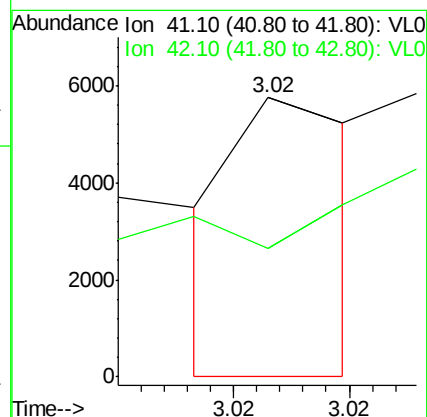
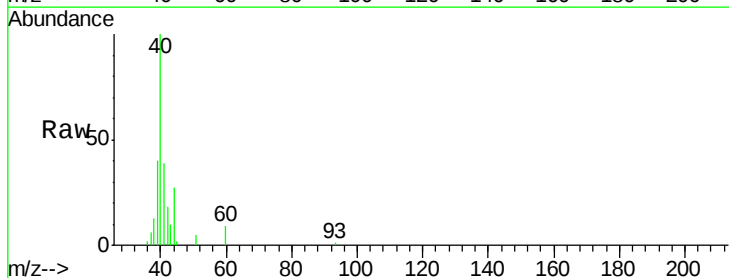
Acq: 30 Dec 2021 2:30

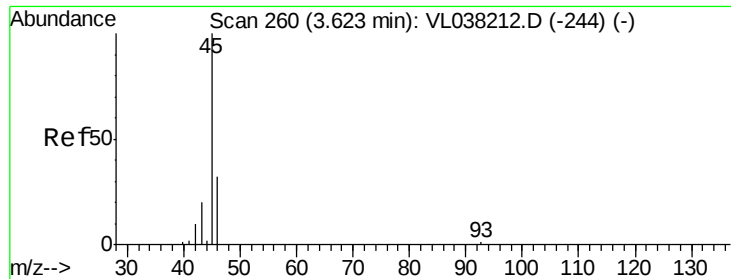
Tgt Ion: 41 Resp: 2119

Ion Ratio Lower Upper

41 100

42 0.0 55.5 83.3#





#13

Ethanol

Concen: 0.599 ppbv

RT: 3.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

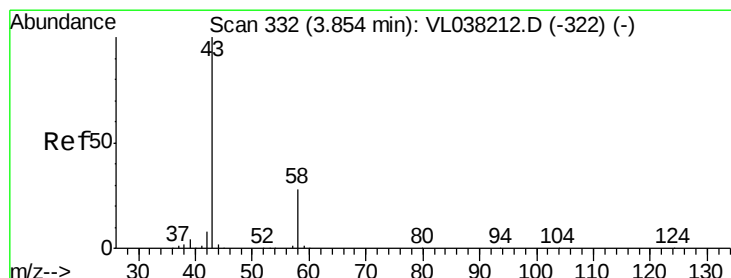
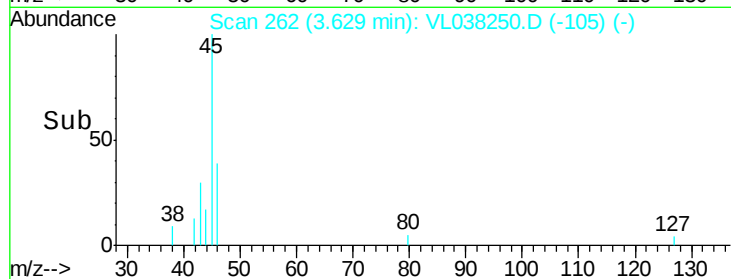
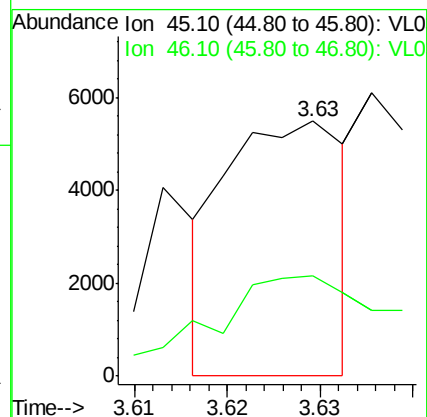
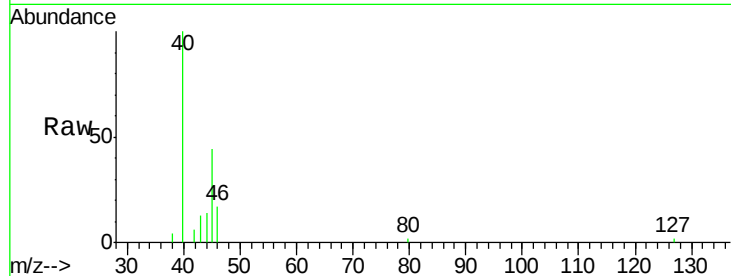
Acq: 30 Dec 2021 2:30

Tgt Ion: 45 Resp: 4854

Ion Ratio Lower Upper

45 100

46 135.5 0.0 0.0#



#15

Acetone

Concen: 0.264 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL038250.D

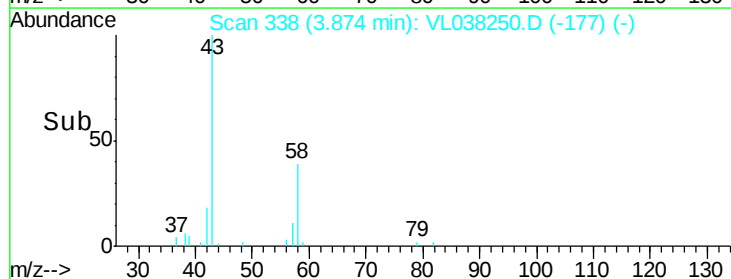
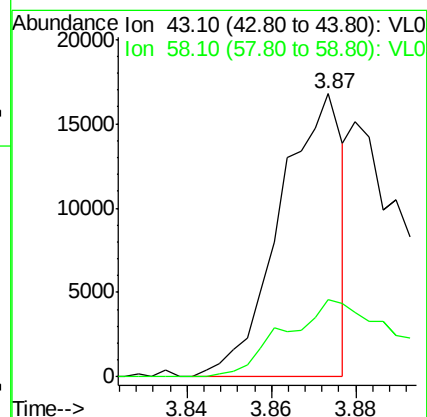
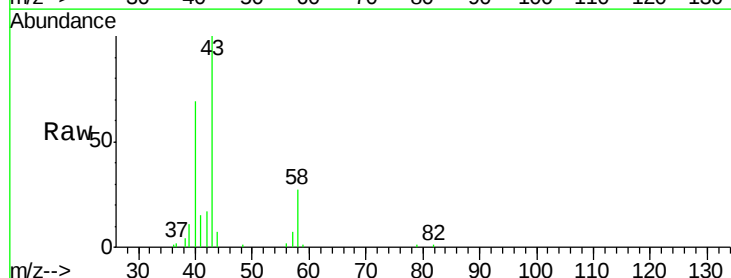
Acq: 30 Dec 2021 2:30

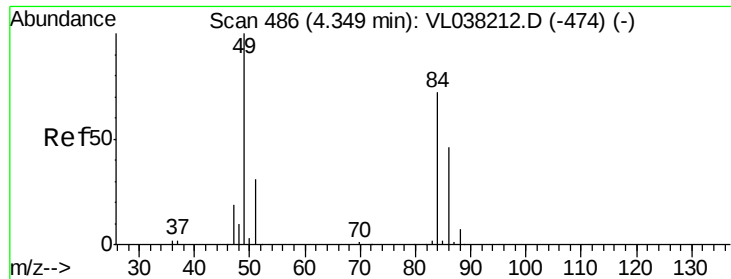
Tgt Ion: 43 Resp: 17325

Ion Ratio Lower Upper

43 100

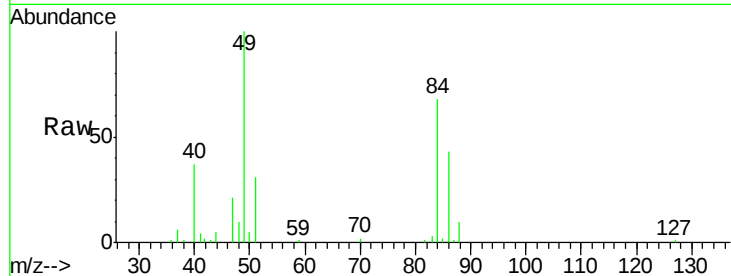
58 58.3 23.3 34.9#



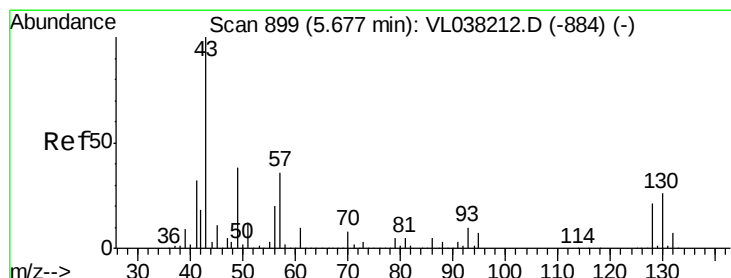
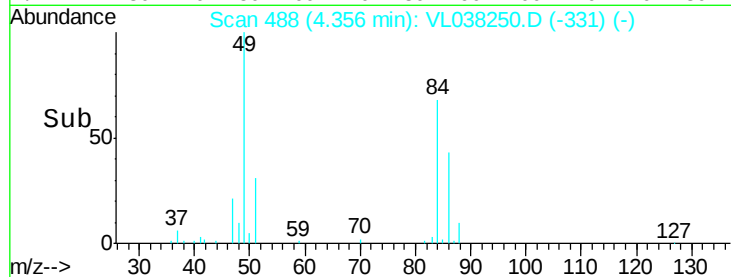
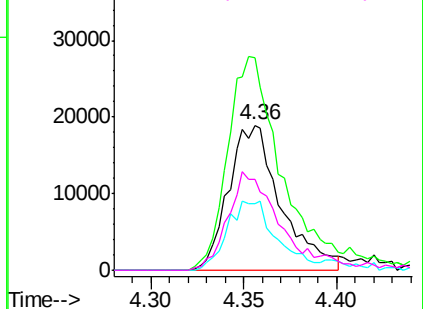


#20
Methylene Chloride
Concen: 1.000 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Dec 2021 2:30

Tgt Ion:	84	Resp:	37118
Ion	Ratio	Lower	Upper
84	100		
49	146.4	110.6	166.0
51	46.0	34.2	51.2
86	62.4	50.5	75.7

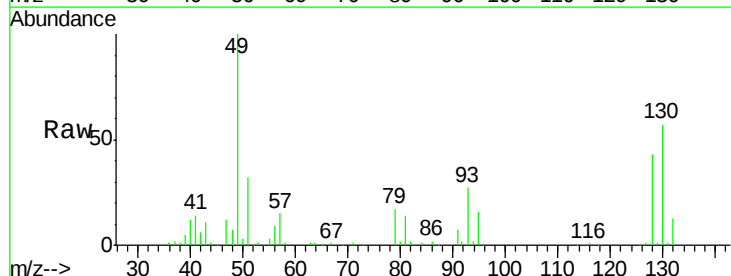


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

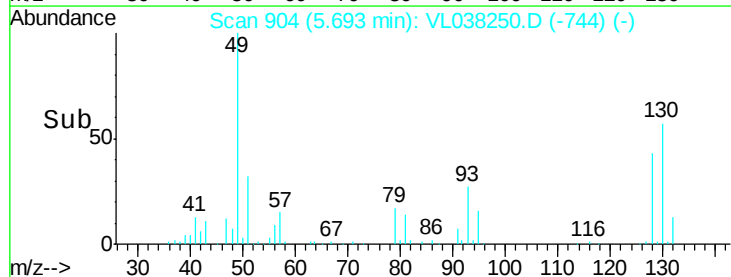
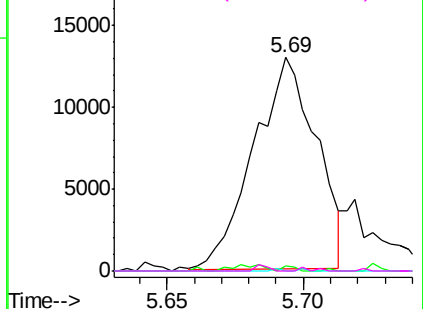


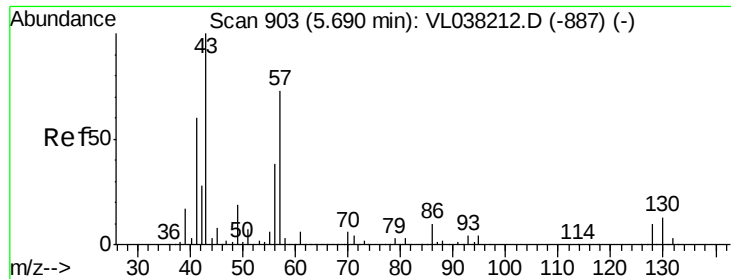
#25
Ethyl Acetate
Concen: 0.116 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038250.D
Acq: 30 Dec 2021 2:30

Tgt Ion:	43	Resp:	20667
Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.9	11.9#
61	0.0	8.1	12.1#
70	0.8	5.5	8.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.346 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Dec 2021 2:30

Tgt Ion: 57 Resp: 30903

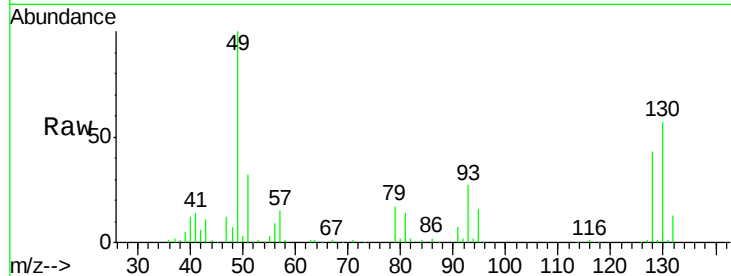
Ion Ratio Lower Upper

57 100

41 107.0 69.0 103.6#

43 82.7 171.2 256.8#

56 61.0 41.5 62.3

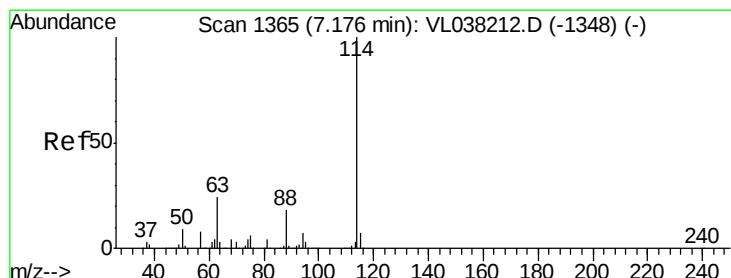
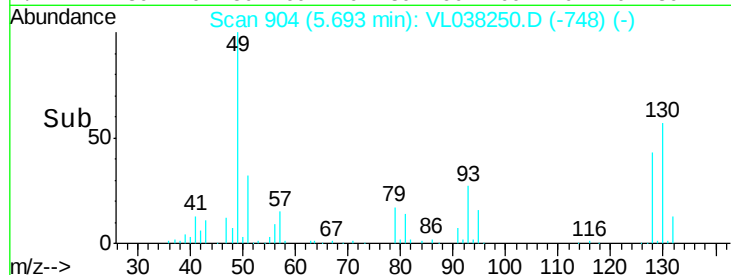
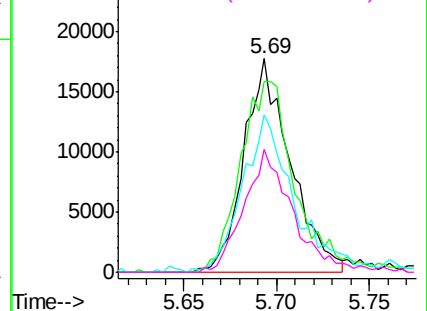


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL038250.D

Acq: 30 Dec 2021 2:30

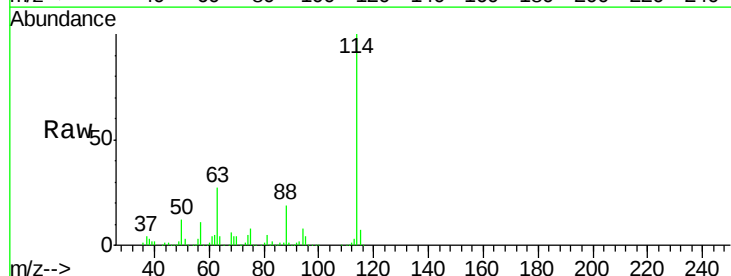
Tgt Ion: 114 Resp: 1608054

Ion Ratio Lower Upper

114 100

63 28.6 19.7 29.5

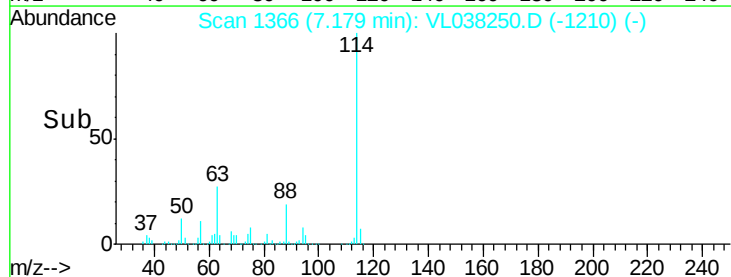
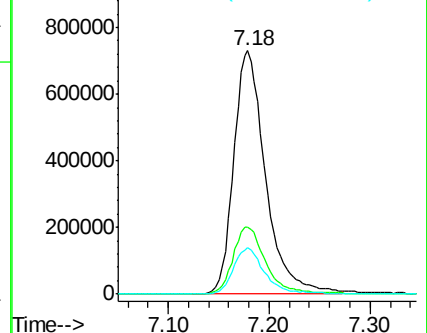
88 19.0 14.3 21.5

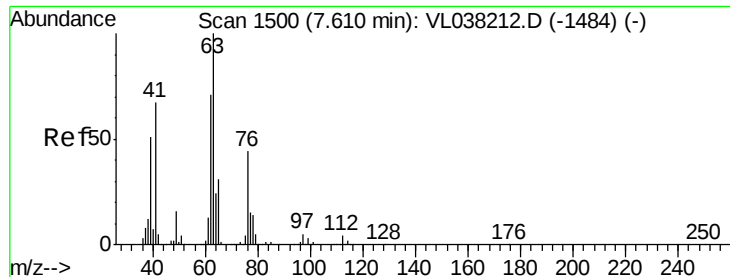


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

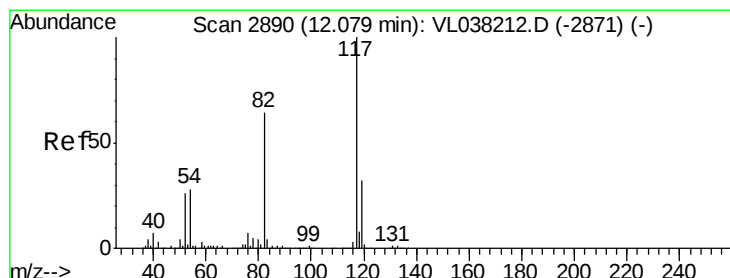
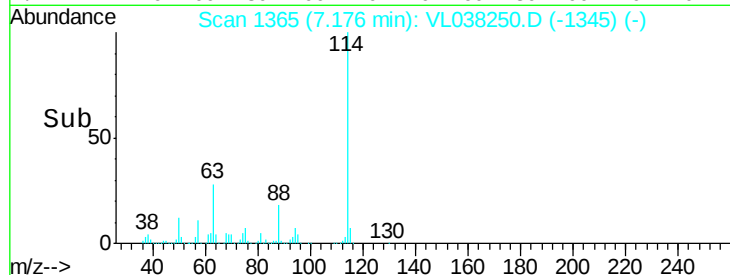
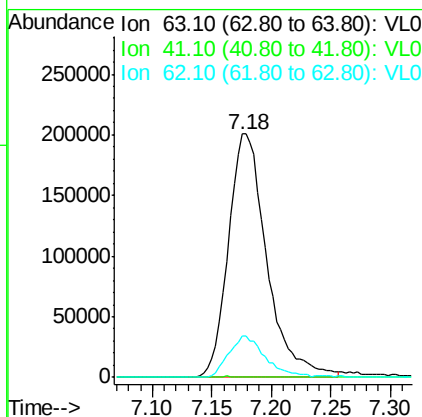
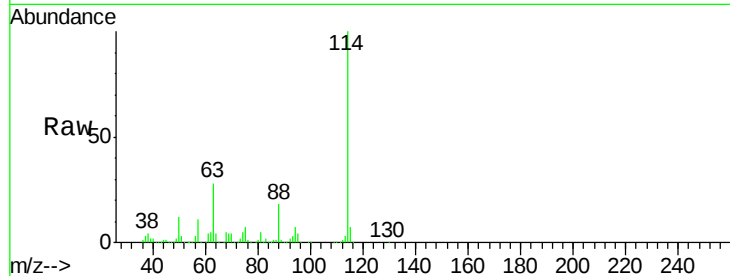
Ion 88.10 (87.80 to 88.80): VL0





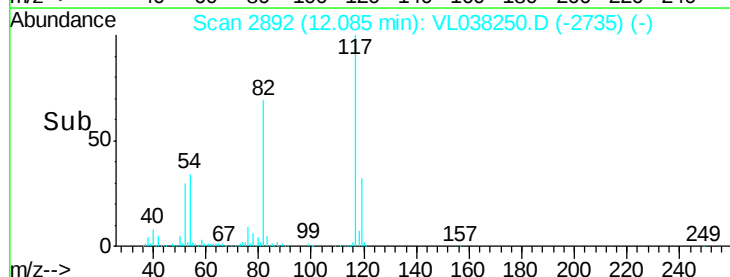
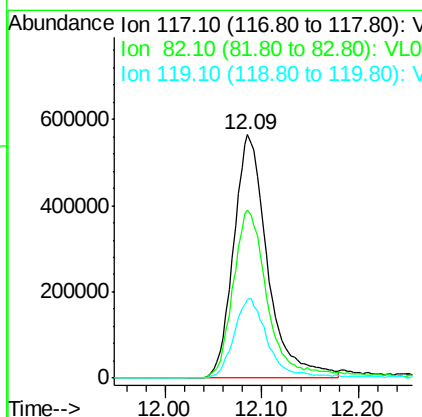
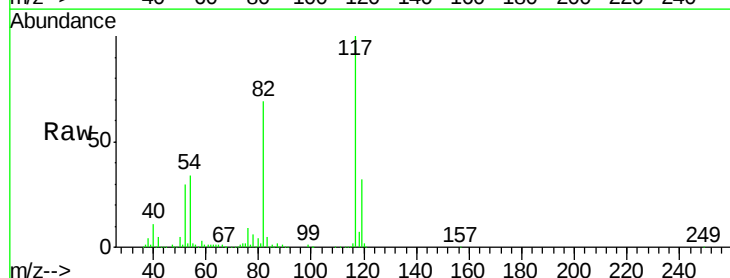
#39
 1,2-Dichloropropane
 Concen: 7.777 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 30 Dec 2021 2:30

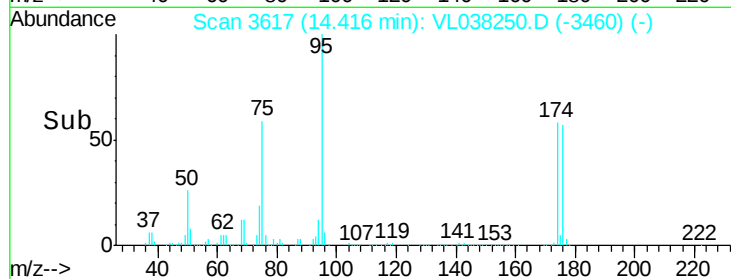
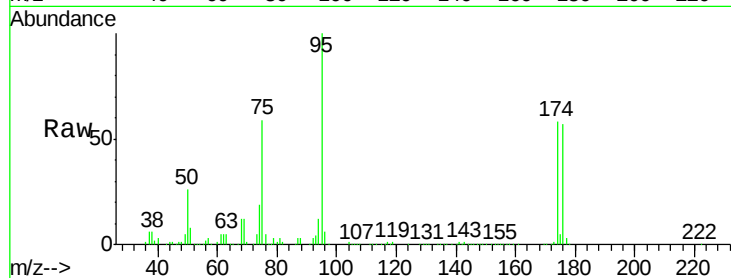
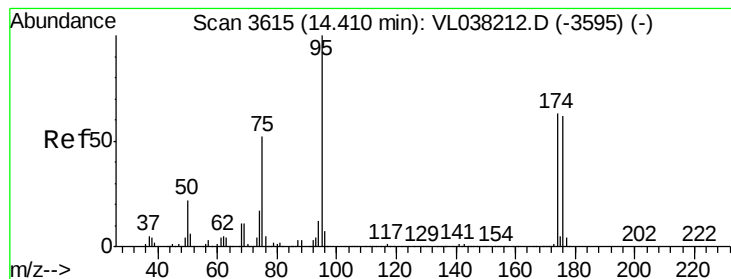
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.4	80.2#
62	17.1	56.5	84.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. 0.01 min
 Lab File: VL038250.D
 Acq: 30 Dec 2021 2:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	74.5	53.3	79.9
119	33.8	25.5	38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.023 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Dec 2021 2:30

Tgt Ion: 95 Resp: 1063149

Ion Ratio Lower Upper

95 100

174 63.2 54.6 81.8

175 4.6 4.1 6.1

