

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
 Data File : VL038238.D
 Acq On : 29 Dec 2021 18:37
 Operator : SY/AP
 Sample : M5217-01DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 29 19:58:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	701216	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1784681	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1506780	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1204988	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

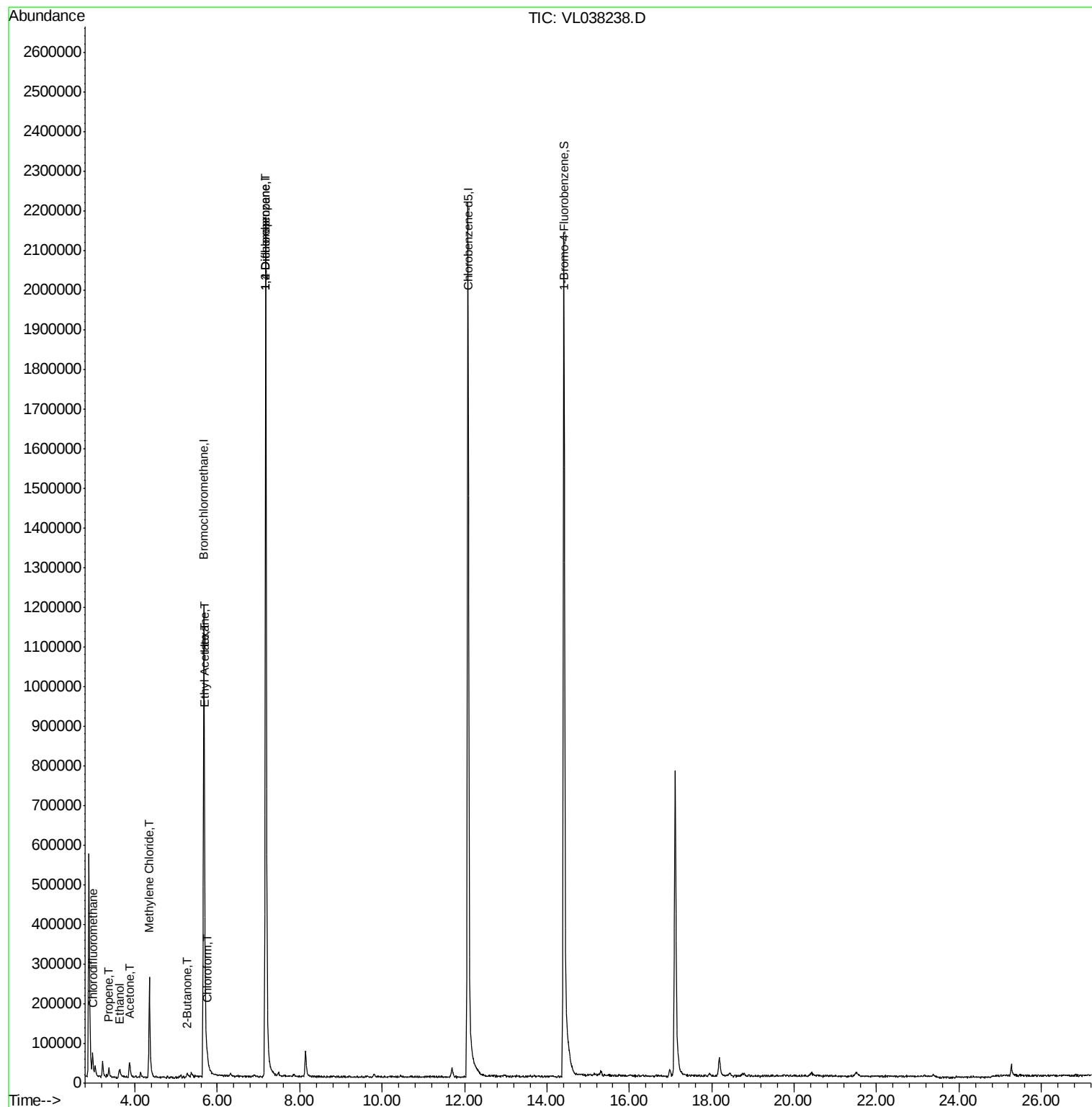
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	47258	0.321	ppbv #	61
9) Propene	3.36	41	6121	0.120	ppbv	91
13) Ethanol	3.62	45	22109	2.549	ppbv #	100
15) Acetone	3.86	43	51670	0.734	ppbv	99
20) Methylene Chloride	4.35	84	104784	2.637	ppbv	98
25) Ethyl Acetate	5.69	43	31695	0.166	ppbv #	77
26) Hexane	5.69	57	42972	0.449	ppbv #	42
29) Chloroform	5.75	83	8431	0.059	ppbv	95
34) 2-Butanone	5.26	43	5208	0.097	ppbv #	53
39) 1,2-Dichloropropane	7.18	63	484117	7.556	ppbv #	26

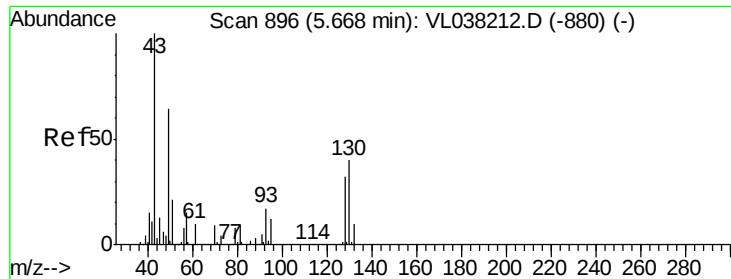
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 18:37

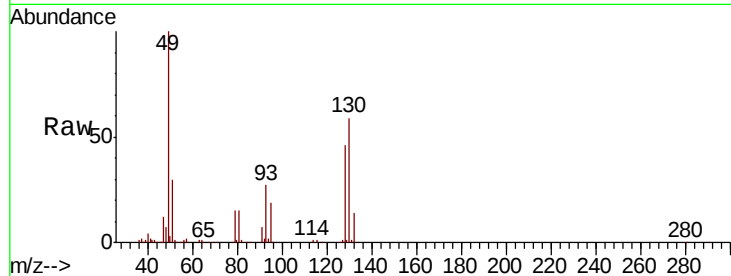
Tot Ion: 49 Resp: 701216

Ion Ratio Lower Upper

49 100

128 47.2 26.9 80.6

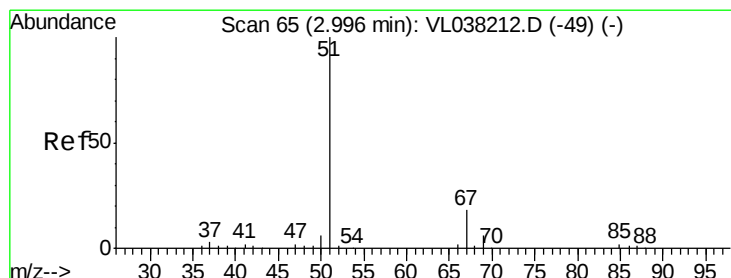
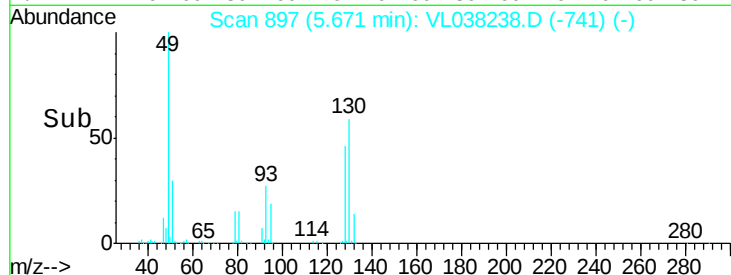
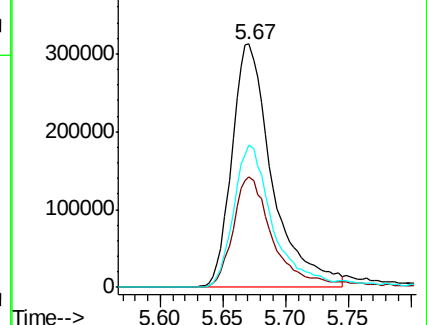
130 59.6 32.3 96.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.321 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.03 min

Lab File: VL038238.D

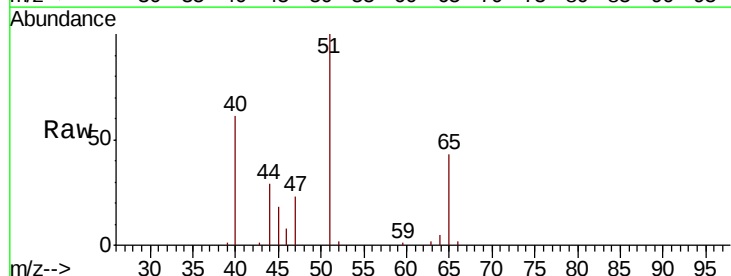
Acq: 29 Dec 2021 18:37

Tgt Ion: 51 Resp: 47258

Ion Ratio Lower Upper

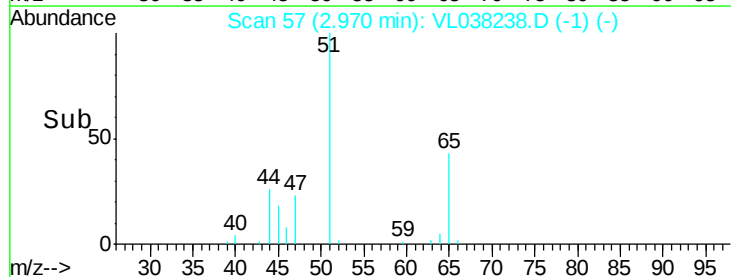
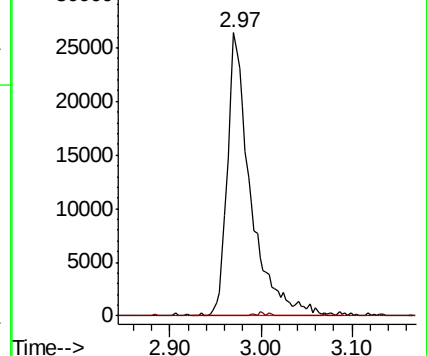
51 100

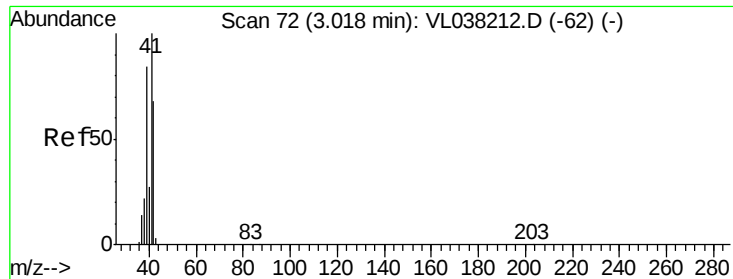
67 0.6 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.120 ppbv

RT: 3.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

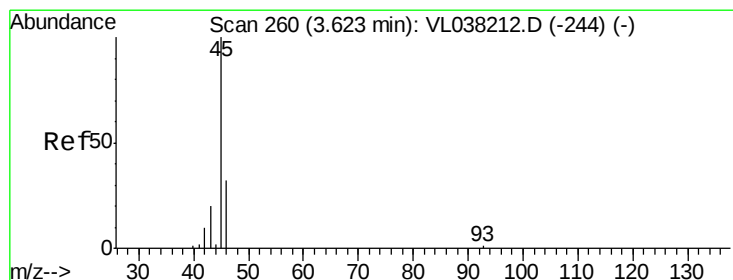
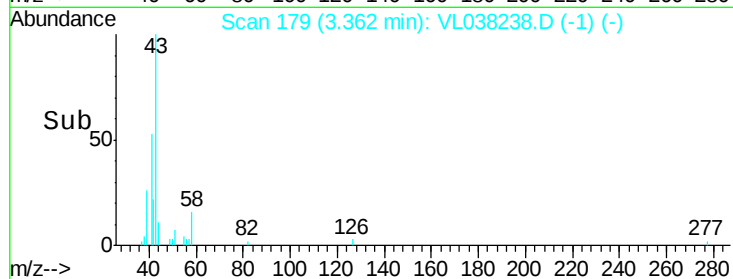
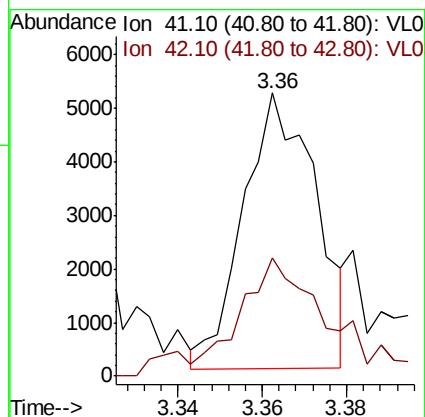
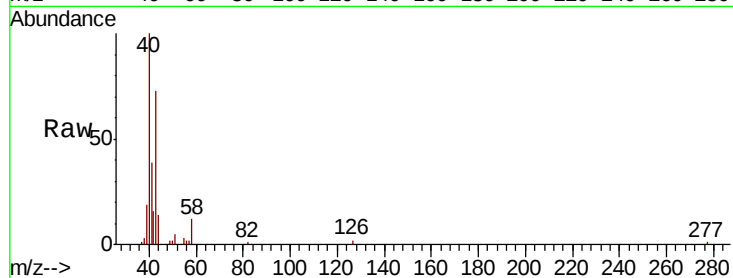
Acq: 29 Dec 2021 18:37

Tot Ion: 41 Resp: 6121

Ion Ratio Lower Upper

41 100

42 62.2 55.5 83.3



#13

Ethanol

Concen: 2.549 ppbv

RT: 3.62 min Scan# 260

Delta R.T. -0.00 min

Lab File: VL038238.D

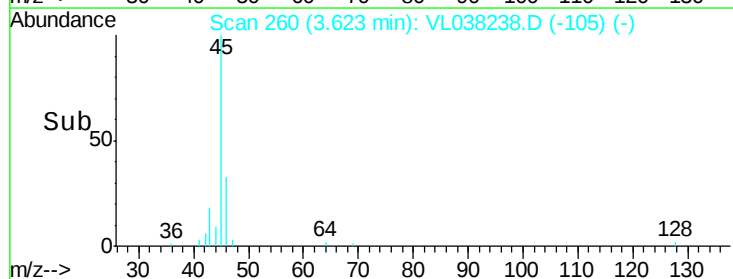
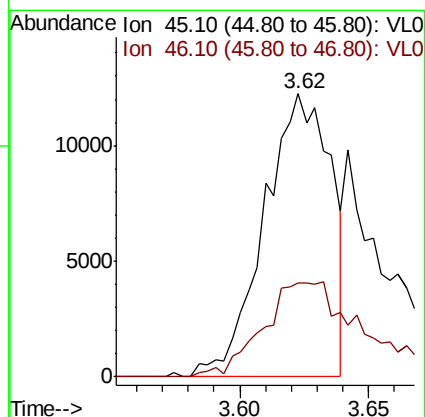
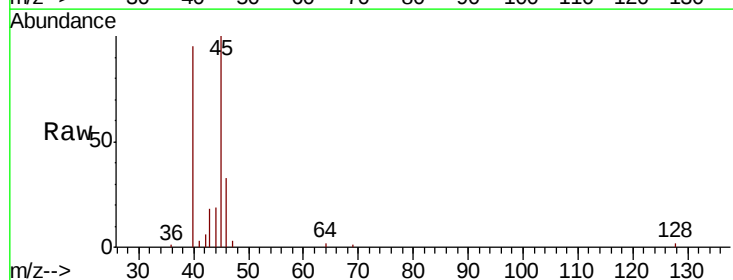
Acq: 29 Dec 2021 18:37

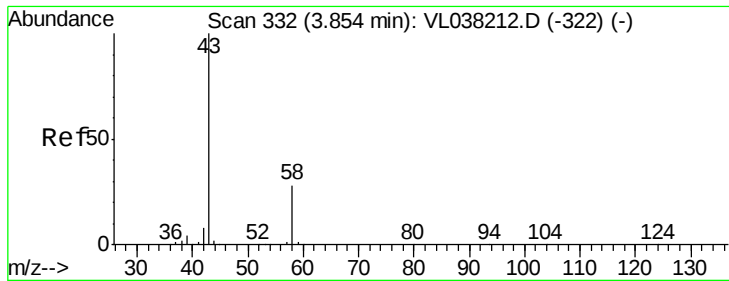
Tgt Ion: 45 Resp: 22109

Ion Ratio Lower Upper

45 100

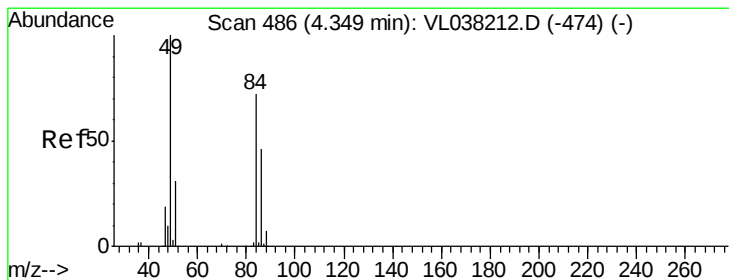
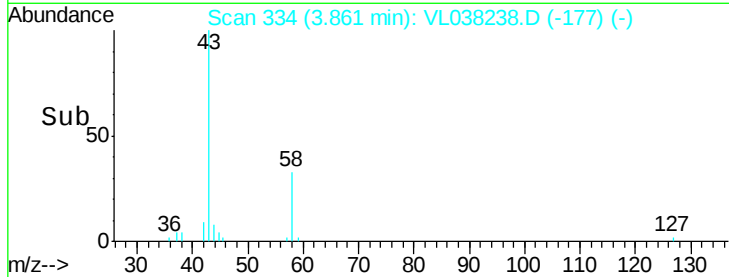
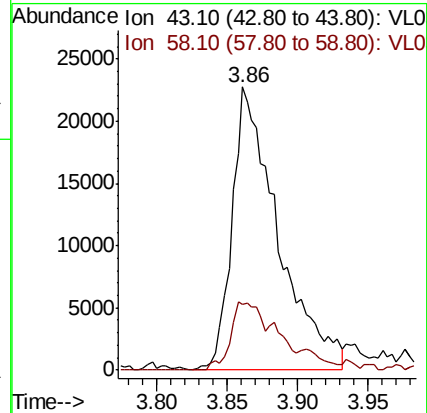
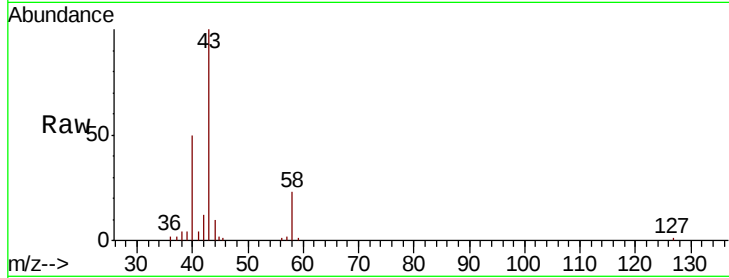
46 0.0 0.0 0.0





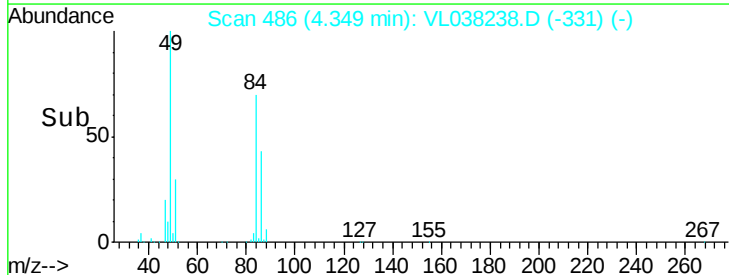
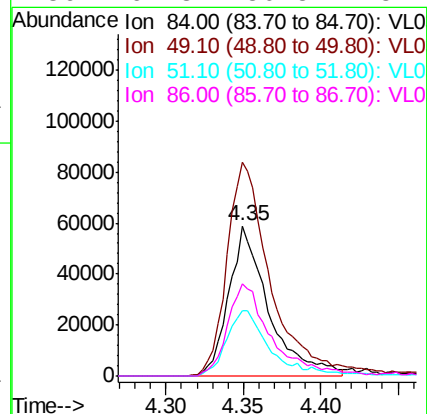
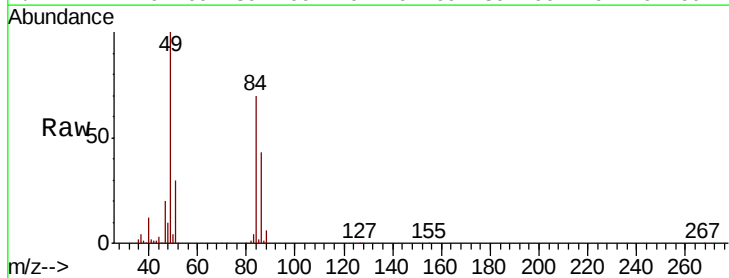
#15
Acetone
Concen: 0.734 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 18:37

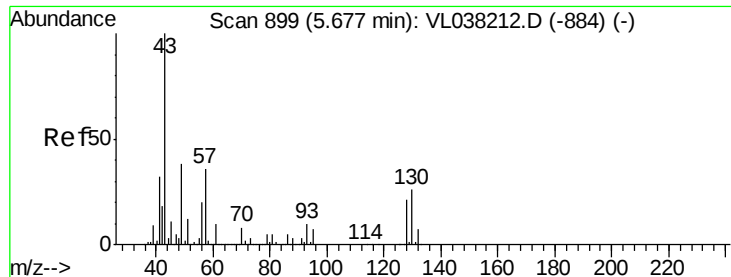
Tot Ion: 43 Resp: 51670
Ion Ratio Lower Upper
43 100
58 28.6 23.3 34.9



#20
Methylene Chloride
Concen: 2.637 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.00 min
Lab File: VL038238.D
Acq: 29 Dec 2021 18:37

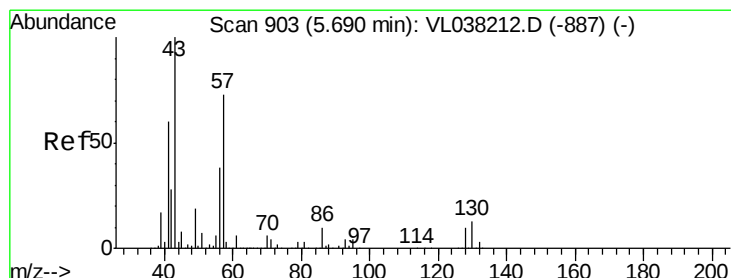
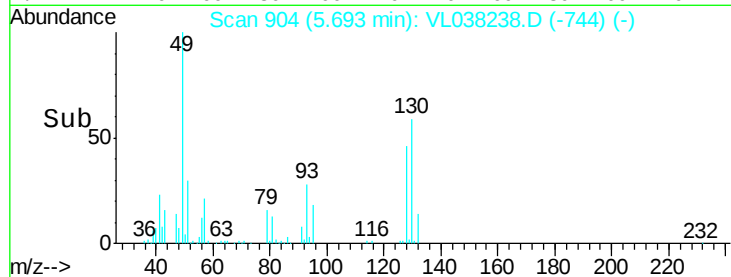
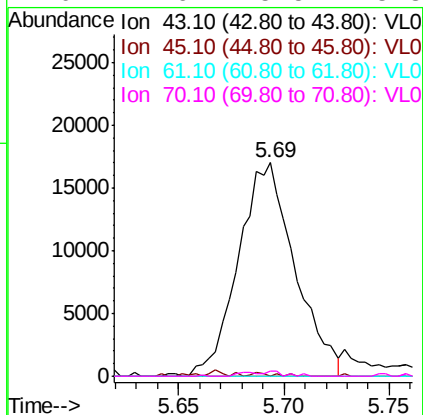
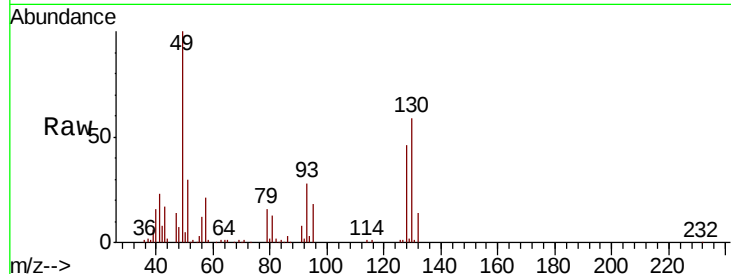
Tgt Ion: 84 Resp: 104784
Ion Ratio Lower Upper
84 100
49 142.0 110.6 166.0
51 42.8 34.2 51.2
86 61.3 50.5 75.7





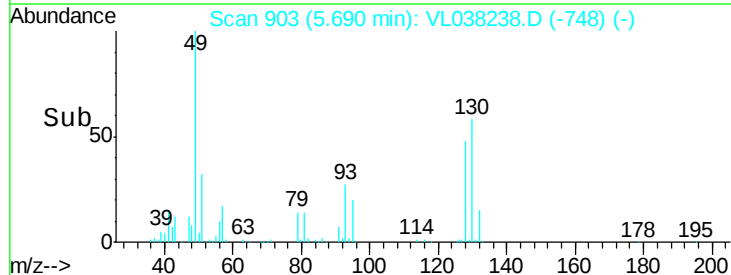
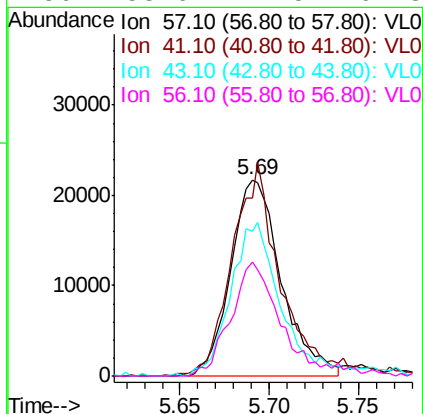
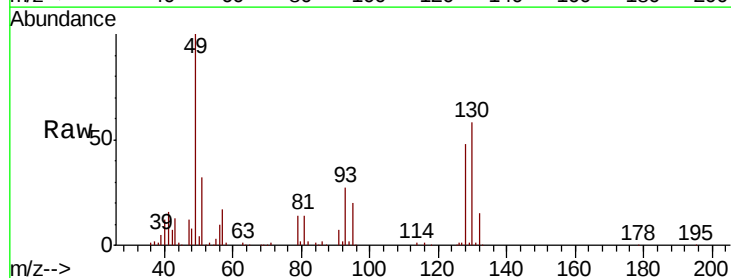
#25
Ethyl Acetate
Concen: 0.166 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 18:37

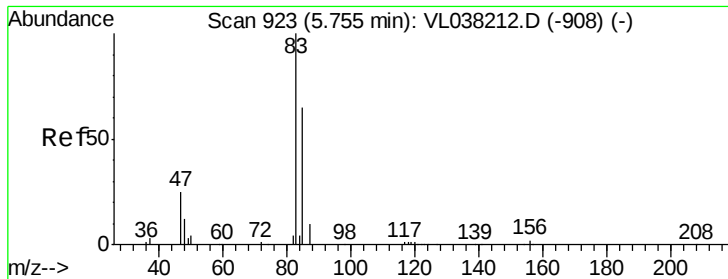
Tot Ion:	43	Resp:	31695
Ion	Ratio	Lower	Upper
43	100		
45	1.3	7.9	11.9#
61	0.0	8.1	12.1#
70	1.6	5.5	8.3#



#26
Hexane
Concen: 0.449 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: -0.00 min
Lab File: VL038238.D
Acq: 29 Dec 2021 18:37

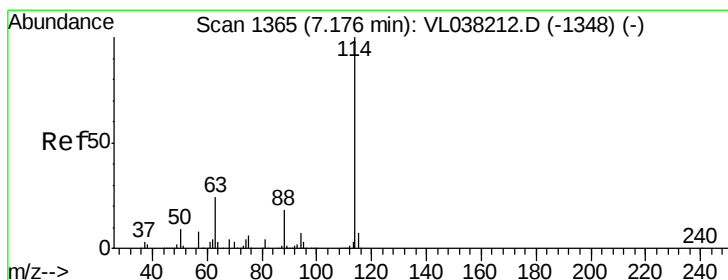
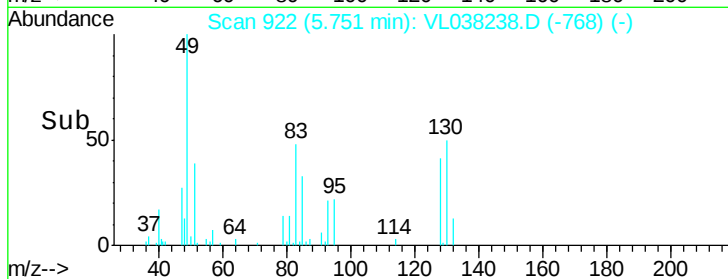
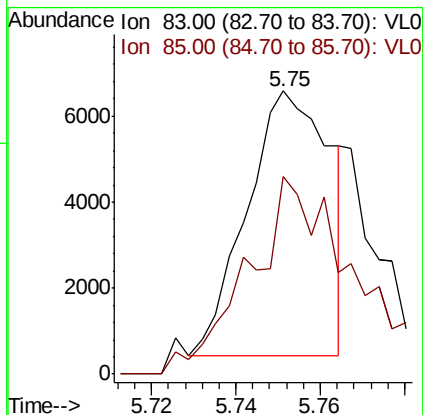
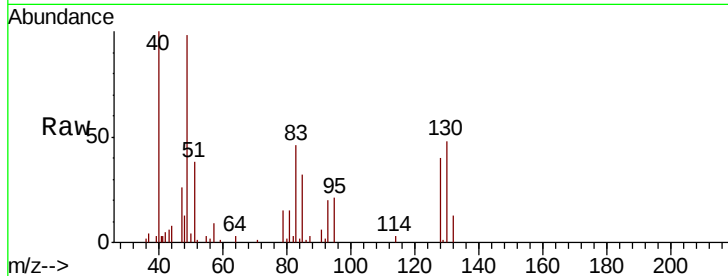
Tgt Ion:	57	Resp:	42972
Ion	Ratio	Lower	Upper
57	100		
41	107.1	69.0	103.6#
43	81.0	171.2	256.8#
56	58.6	41.5	62.3





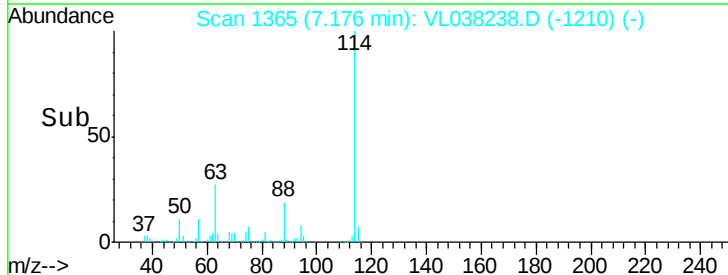
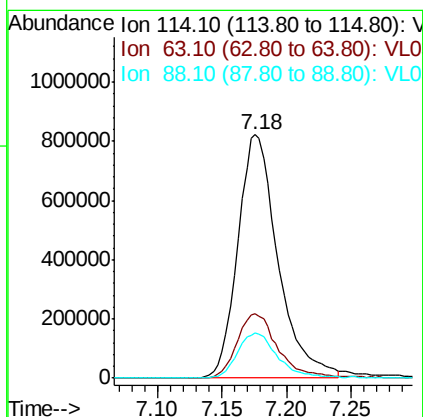
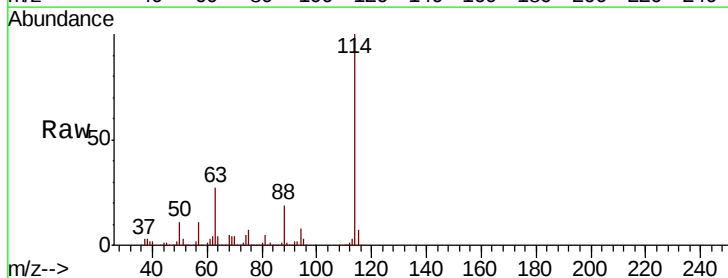
#29
 Chloroform
 Concen: 0.059 ppbv
 RT: 5.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 18:37

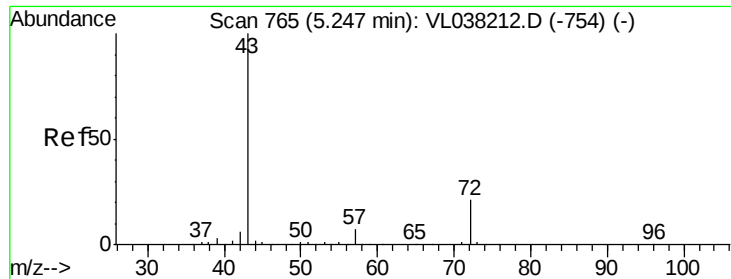
Tot Ion: 83 Resp: 8431
 Ion Ratio Lower Upper
 83 100
 85 69.0 52.2 78.4



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL038238.D
 Acq: 29 Dec 2021 18:37

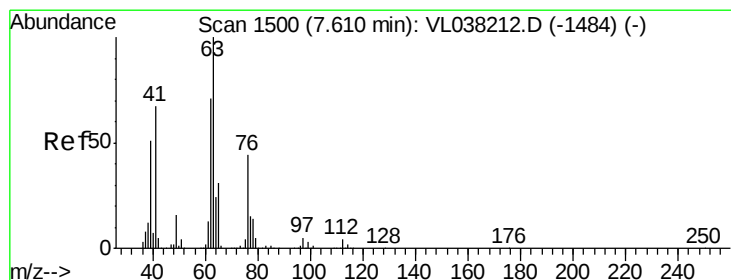
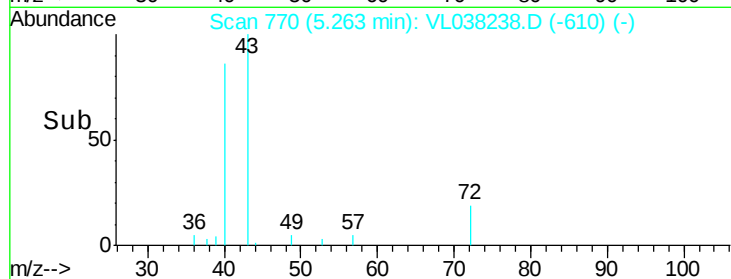
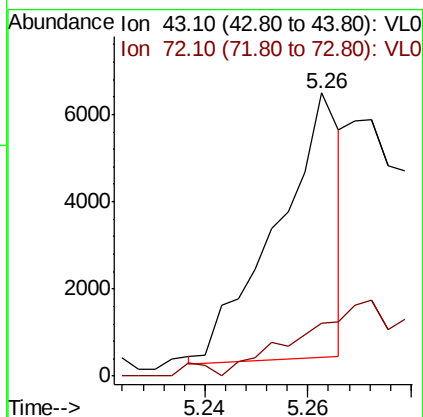
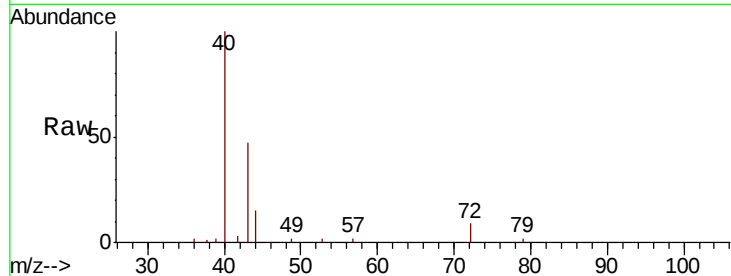
Tgt Ion: 114 Resp: 1784681
 Ion Ratio Lower Upper
 114 100
 63 27.5 19.7 29.5
 88 18.9 14.3 21.5





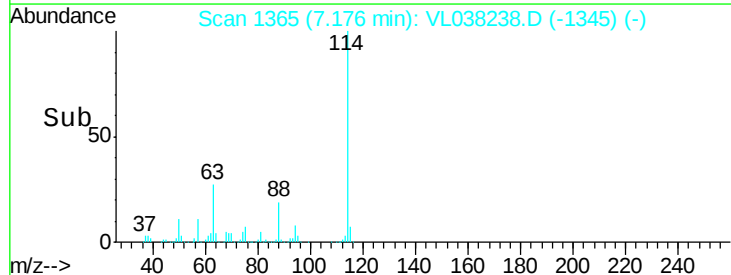
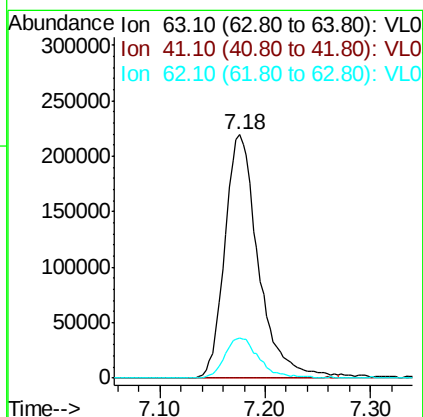
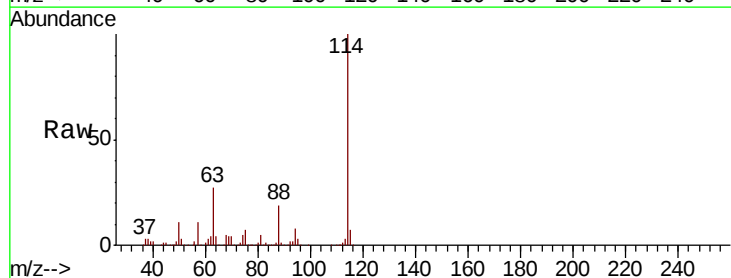
#34
 2-Butanone
 Concen: 0.097 ppbv
 RT: 5.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 18:37

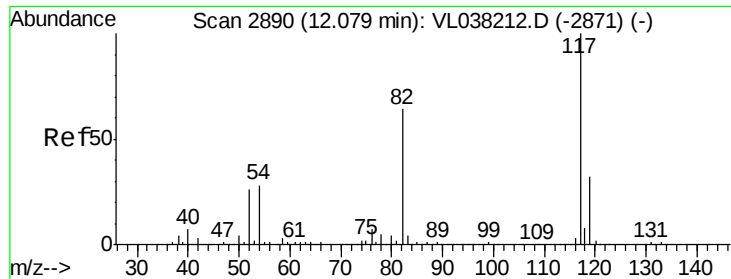
Tot Ion: 43 Resp: 5208
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.3 27.5#



#39
 1,2-Dichloropropane
 Concen: 7.556 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL038238.D
 Acq: 29 Dec 2021 18:37

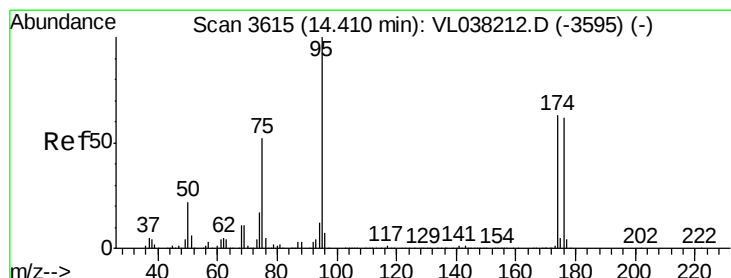
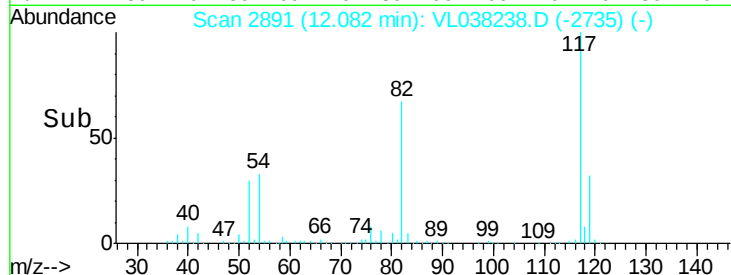
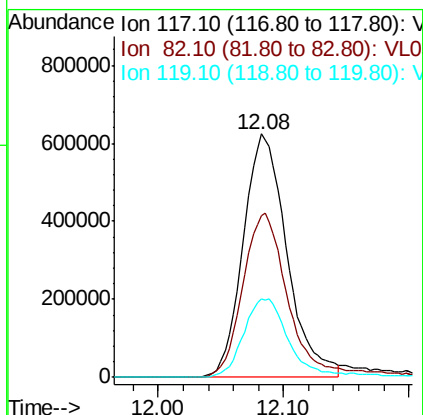
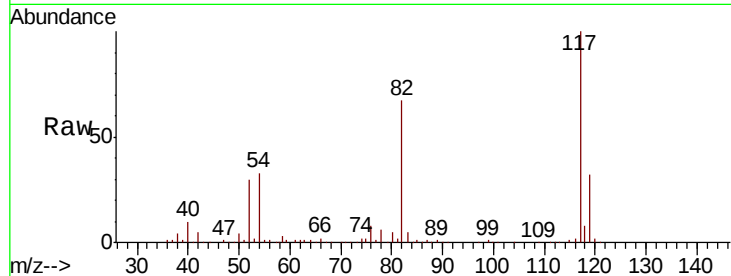
Tgt Ion: 63 Resp: 484117
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.4 80.2#
 62 16.5 56.5 84.7#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 18:37

Tot Ion: 117 Resp: 1506780
 Ion Ratio Lower Upper
 117 100
 82 73.9 53.3 79.9
 119 34.6 25.5 38.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.378 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: -0.00 min
 Lab File: VL038238.D
 Acq: 29 Dec 2021 18:37

Tgt Ion: 95 Resp: 1204988
 Ion Ratio Lower Upper
 95 100
 174 63.3 54.6 81.8
 175 4.4 4.1 6.1

