

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
 Data File : VL038232.D
 Acq On : 29 Dec 2021 14:27
 Operator : SY/AP
 Sample : VL1221ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 29 18:39:57 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	742971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1920955	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1667135	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1320255	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

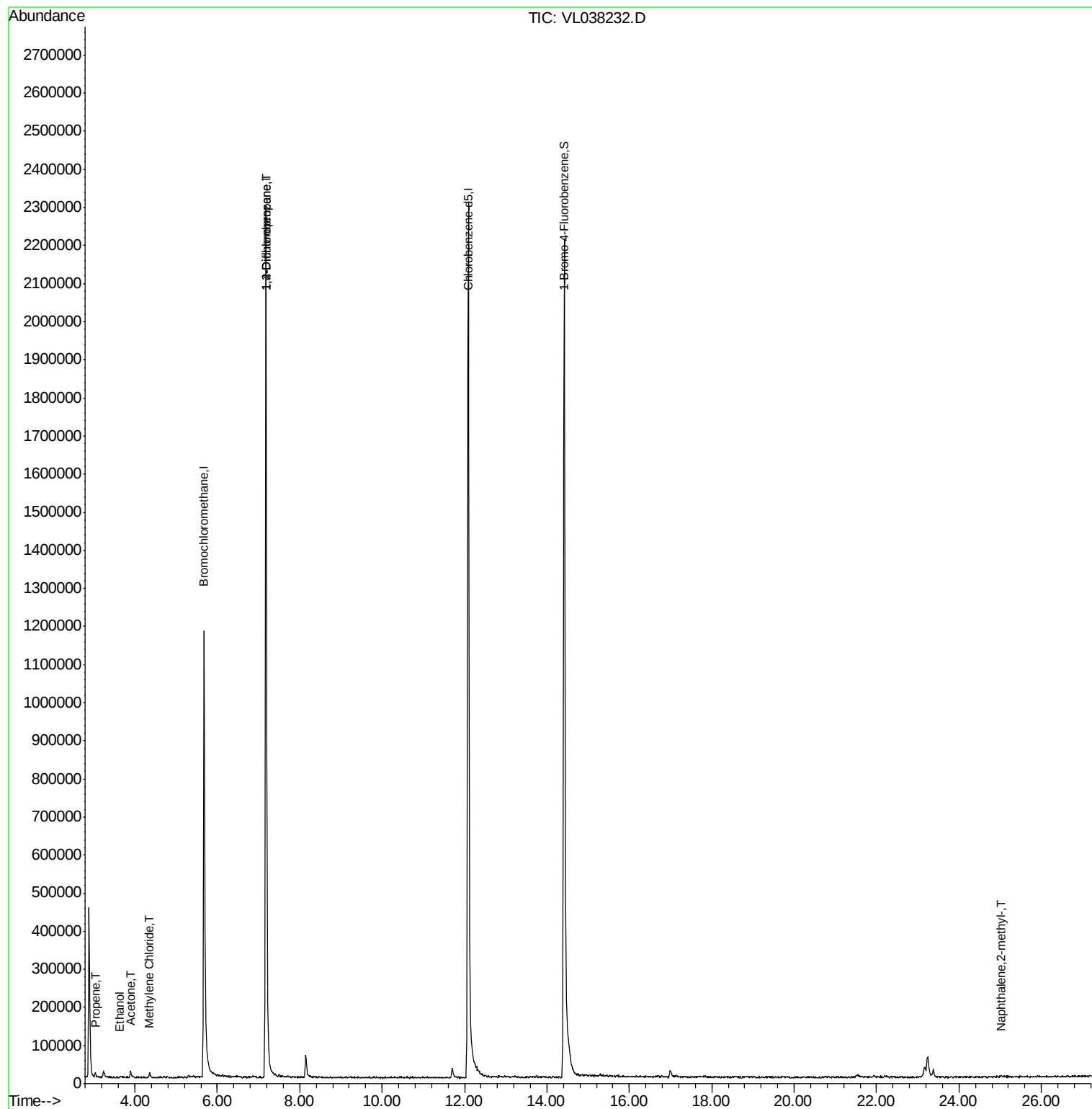
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	1809	0.033	ppbv #	33
13) Ethanol	3.63	45	277	0.030	ppbv #	100
15) Acetone	3.90	43	15246	0.204	ppbv #	64
20) Methylene Chloride	4.35	84	3783	0.090	ppbv	92
39) 1,2-Dichloropropane	7.18	63	506858	7.350	ppbv #	25
80) Naphthalene,2-methyl-	25.01	142	1725	0.076	ppbv #	72

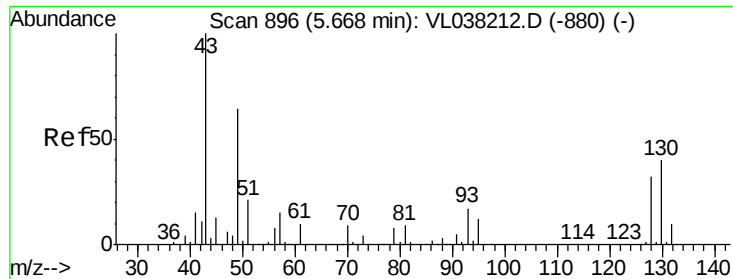
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 29 Dec 2021 14:27

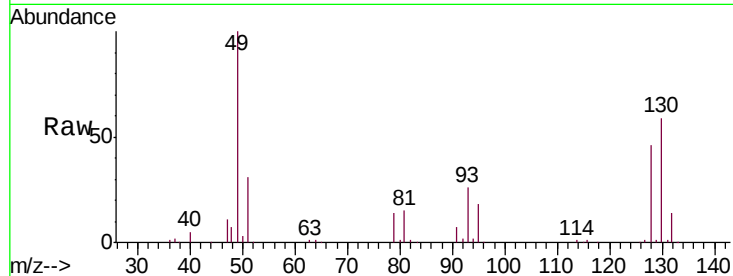
Tot Ion: 49 Resp: 742971

Ion Ratio Lower Upper

49 100

128 46.7 26.9 80.6

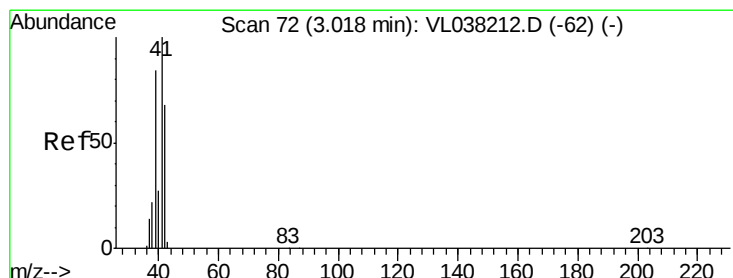
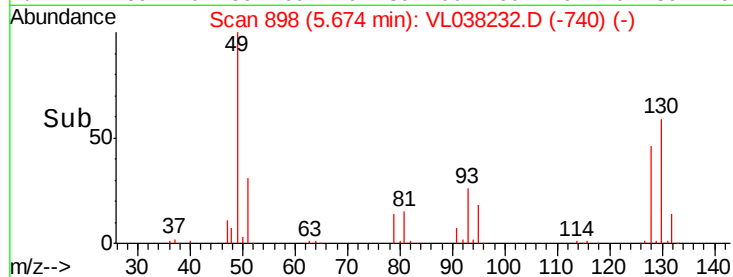
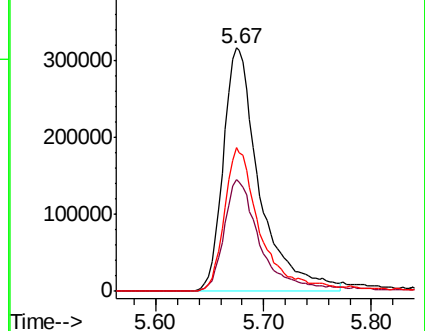
130 60.8 32.3 96.9



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



#9

Propene

Concen: 0.033 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038232.D

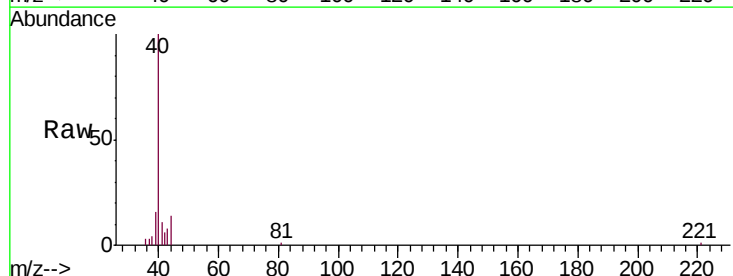
Acq: 29 Dec 2021 14:27

Tgt Ion: 41 Resp: 1809

Ion Ratio Lower Upper

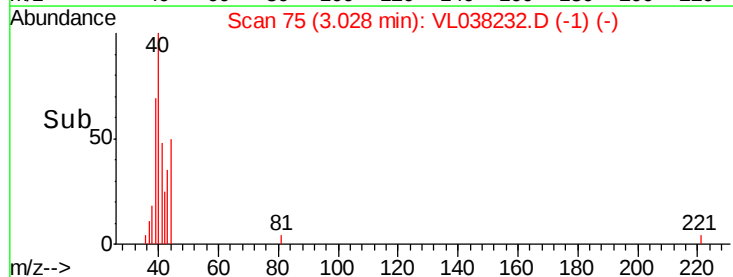
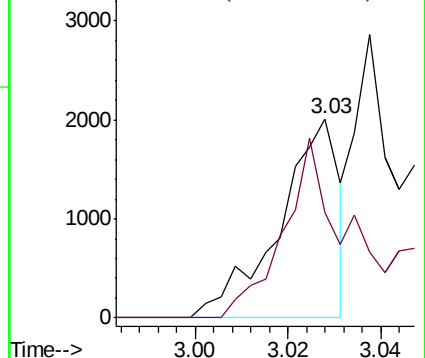
41 100

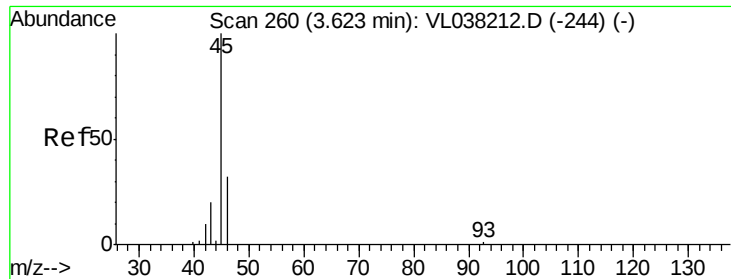
42 124.1 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

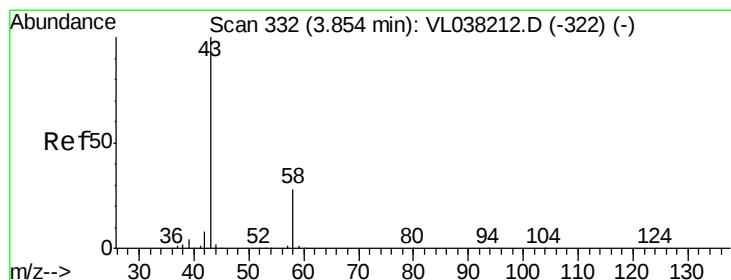
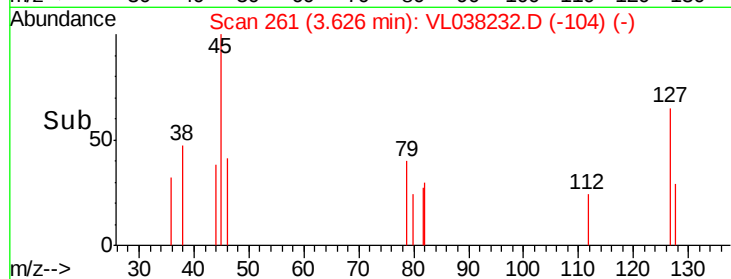
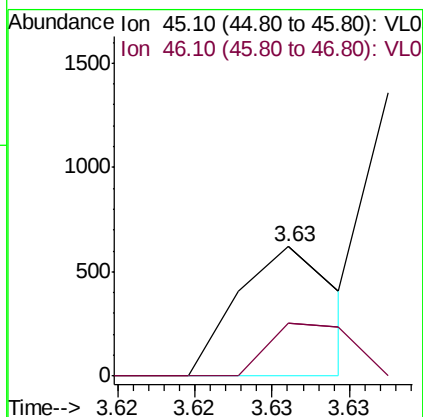
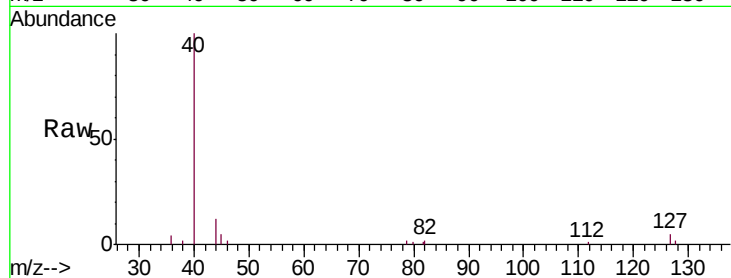
Ion 42.10 (41.80 to 42.80): VL0





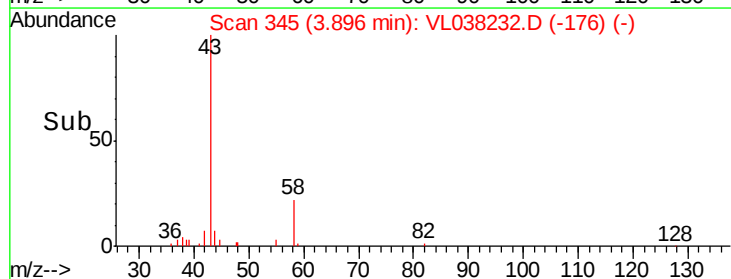
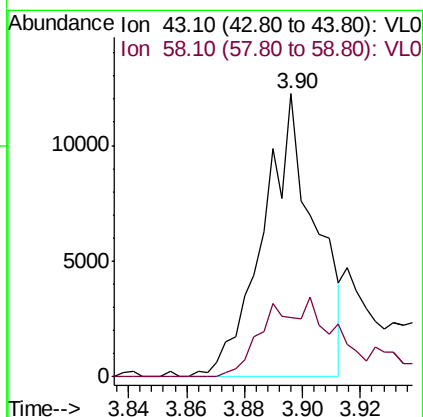
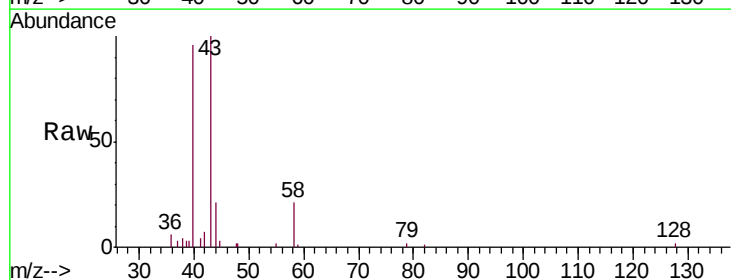
#13
Ethanol
Concen: 0.030 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 14:27

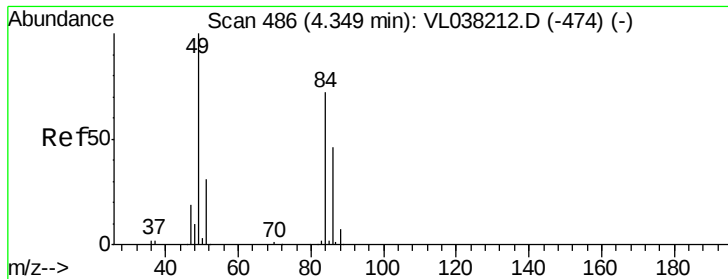
Tot Ion: 45 Resp: 277
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#15
Acetone
Concen: 0.204 ppbv
RT: 3.90 min Scan# 345
Delta R.T. 0.04 min
Lab File: VL038232.D
Acq: 29 Dec 2021 14:27

Tgt Ion: 43 Resp: 15246
Ion Ratio Lower Upper
43 100
58 48.2 23.3 34.9#

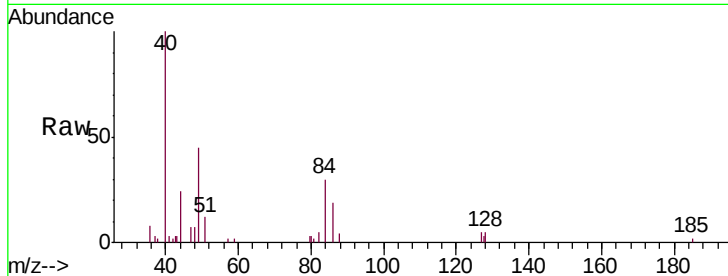




#20
Methylene Chloride
Concen: 0.090 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 14:27

Tot Ion: 84 Resp: 3783

Ion	Ratio	Lower	Upper
84	100		
49	124.6	110.6	166.0
51	35.7	34.2	51.2
86	62.8	50.5	75.7



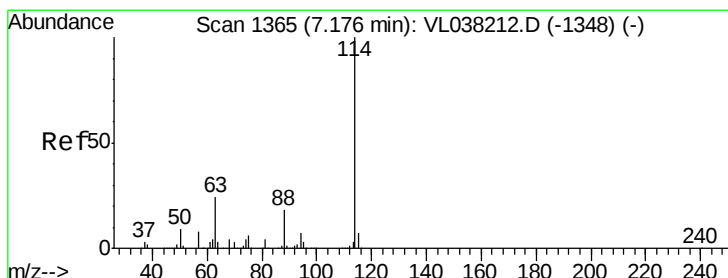
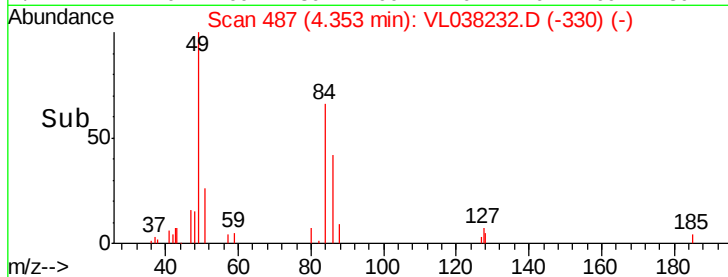
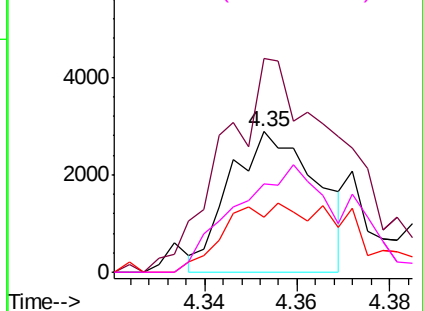
Abundance

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

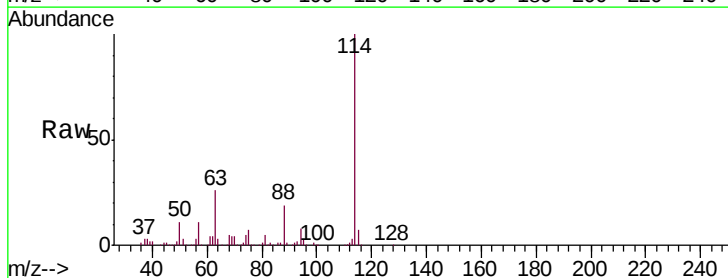
Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.01 min
Lab File: VL038232.D
Acq: 29 Dec 2021 14:27

Tgt Ion: 114 Resp: 1920955

Ion	Ratio	Lower	Upper
114	100		
63	27.2	19.7	29.5
88	18.6	14.3	21.5

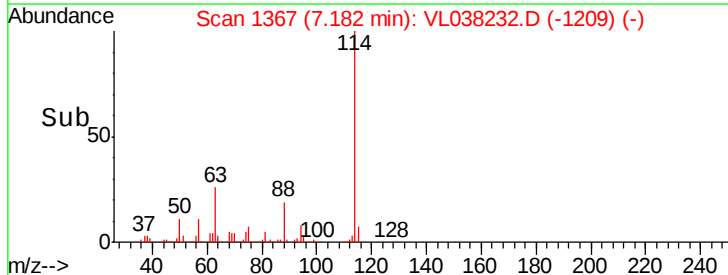
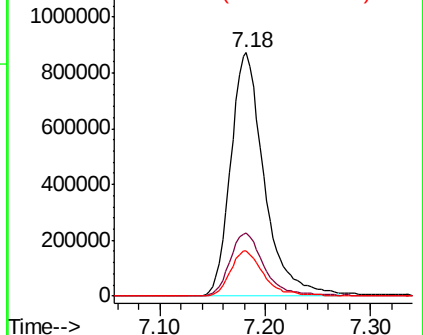


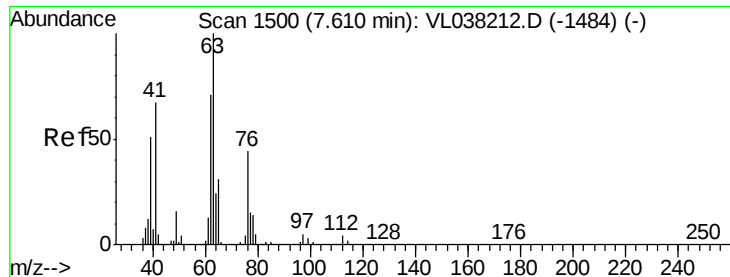
Abundance

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: 7.350 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 14:27

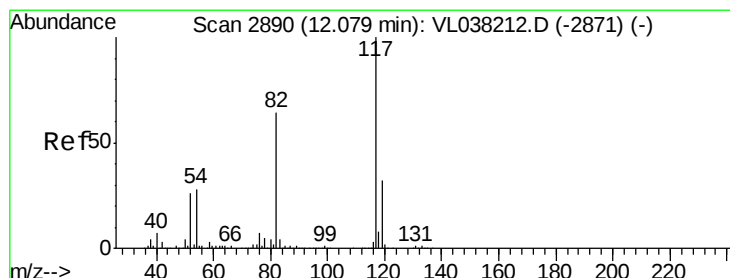
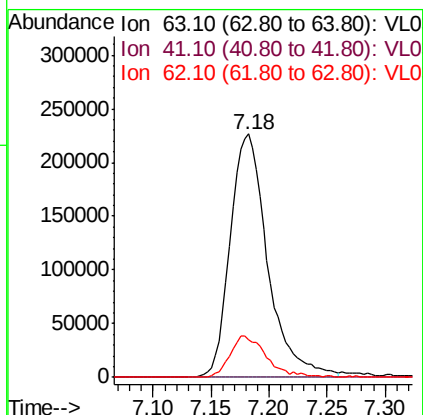
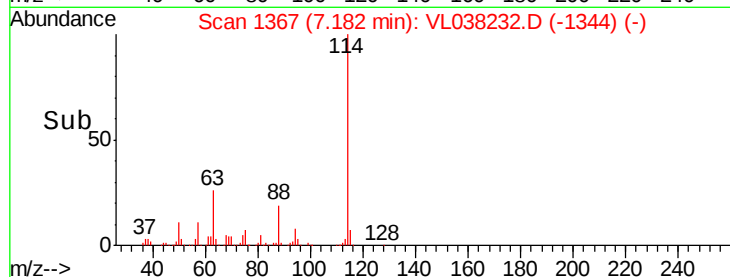
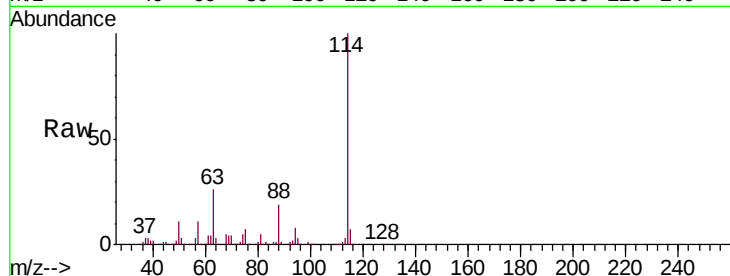
Tot Ion: 63 Resp: 506858

Ion Ratio Lower Upper

63 100

41 0.0 53.4 80.2#

62 15.4 56.5 84.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL038232.D

Acq: 29 Dec 2021 14:27

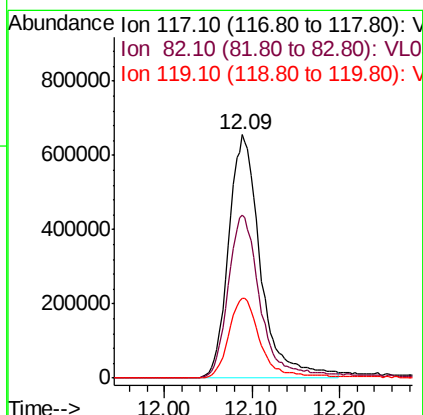
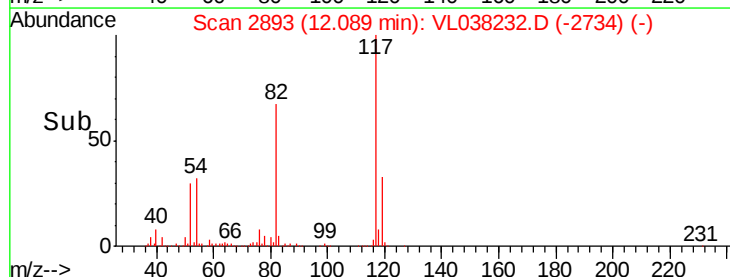
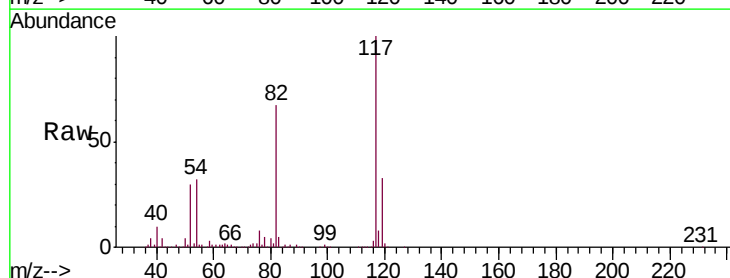
Tgt Ion: 117 Resp: 1667135

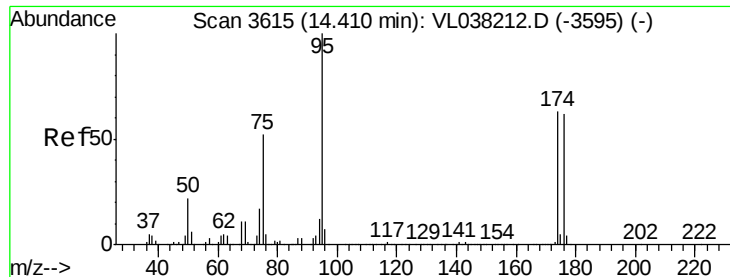
Ion Ratio Lower Upper

117 100

82 69.5 53.3 79.9

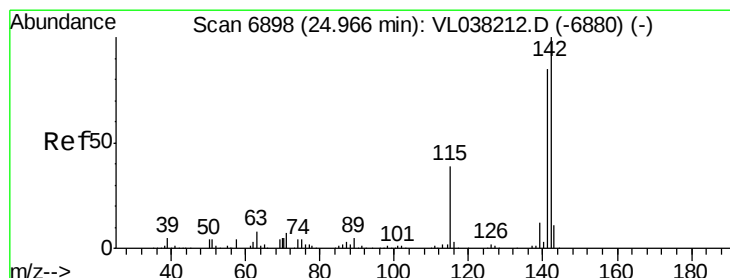
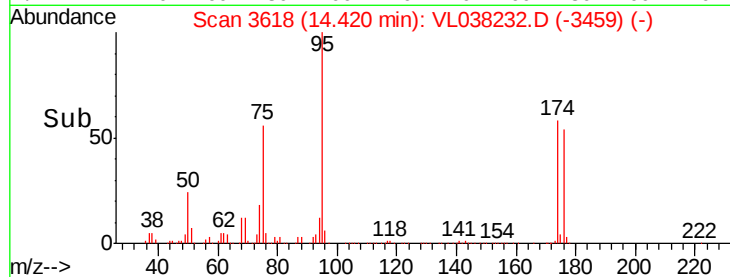
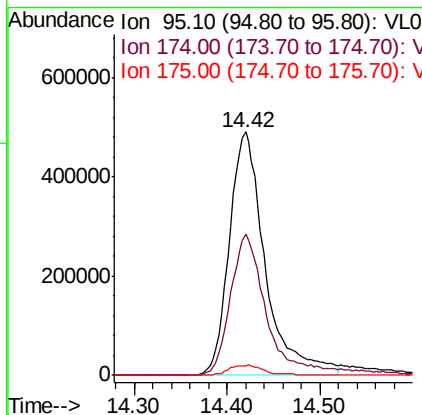
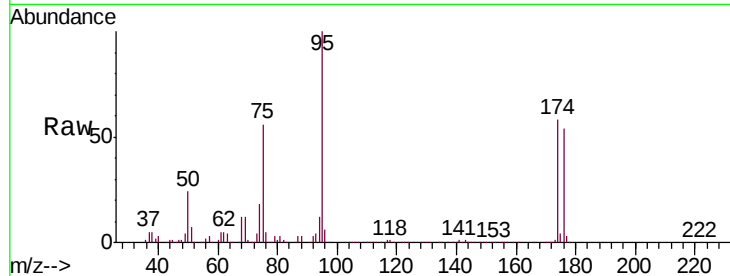
119 33.1 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.277 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 14:27

Tot Ion: 95 Resp: 1320255
 Ion Ratio Lower Upper
 95 100
 174 60.9 54.6 81.8
 175 4.4 4.1 6.1



#80
 Naphthalene, 2-methyl-
 Concen: 0.076 ppbv
 RT: 25.01 min Scan# 6912
 Delta R.T. 0.05 min
 Lab File: VL038232.D
 Acq: 29 Dec 2021 14:27

Tgt Ion: 142 Resp: 1725
 Ion Ratio Lower Upper
 142 100
 141 46.8 66.7 100.1#
 115 36.6 29.4 44.0

