

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036463.D
 Acq On : 24 Mar 2021 11:28
 Operator :
 Sample : OC031821 CAN 10044
 Misc : 400 mL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:18:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1583074	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3516028	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3263463	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2652535	9.88	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

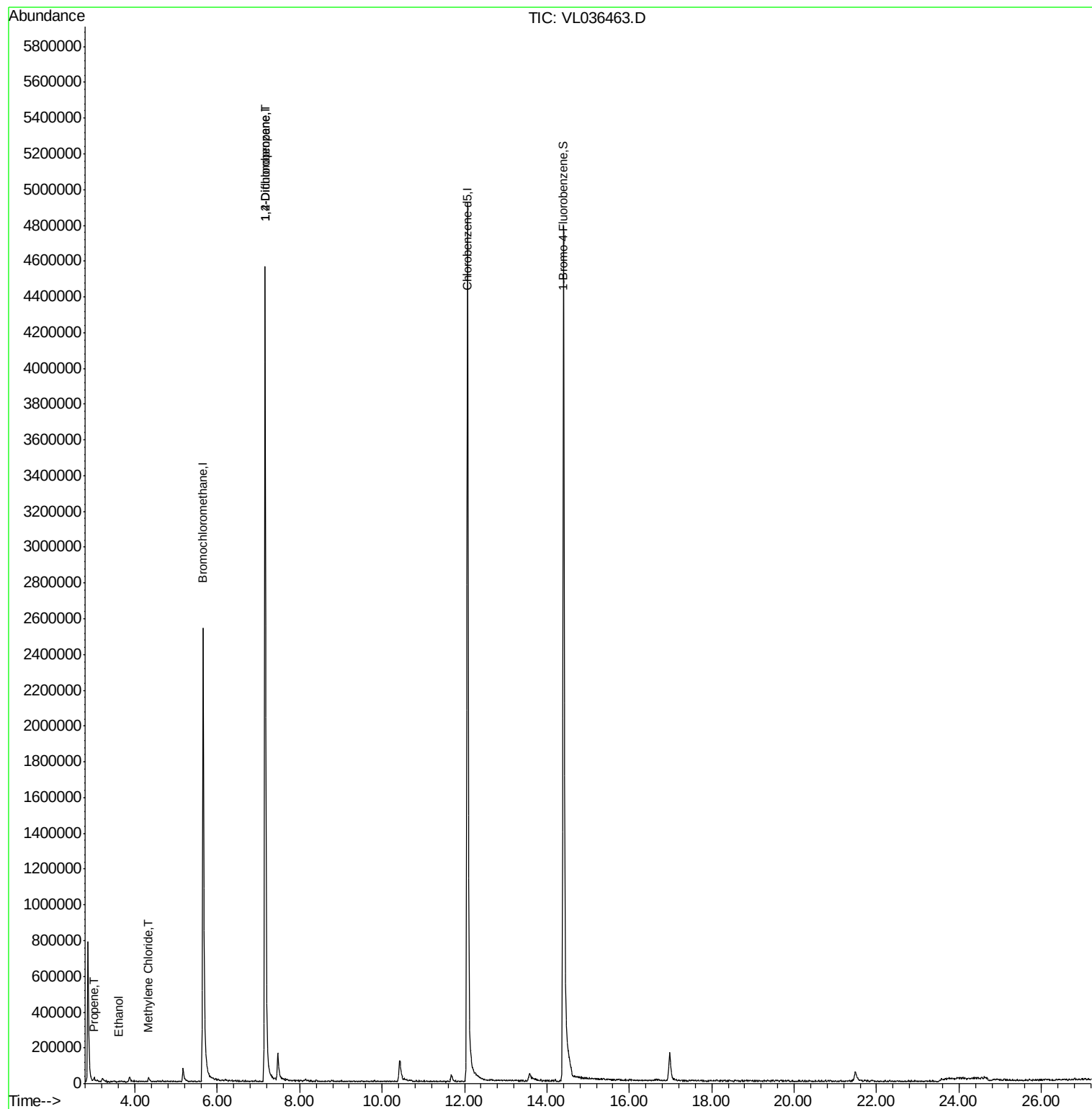
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	3034	0.037	ppbv #	15
13) Ethanol	3.61	45	577	0.046	ppbv #	51
20) Methylene Chloride	4.33	84	5380	0.088	ppbv #	87
39) 1,2-Dichloropropane	7.16	63	1008797	8.695	ppbv #	22

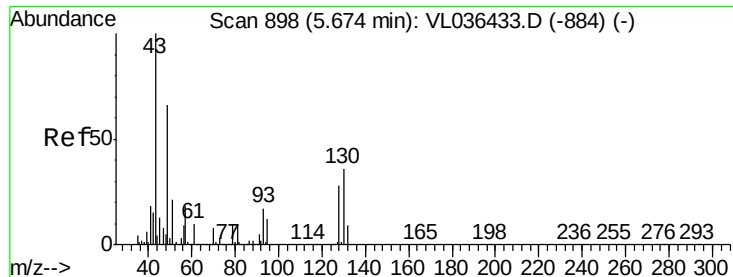
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 11:28

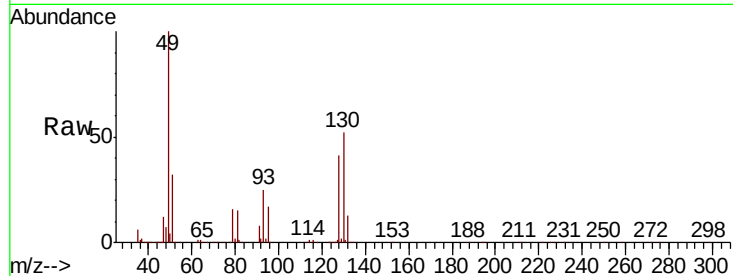
Tot Ion: 49 Resp: 1583074

Ion Ratio Lower Upper

49 100

128 43.5 22.4 67.2

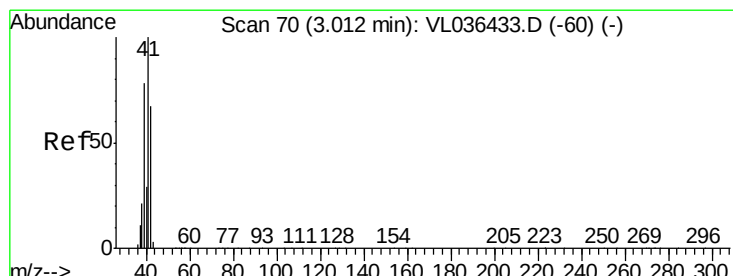
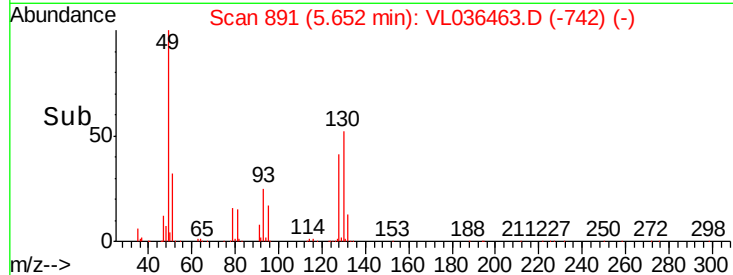
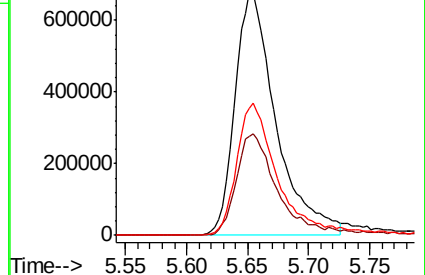
130 56.5 28.0 84.0



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: 0.037 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036463.D

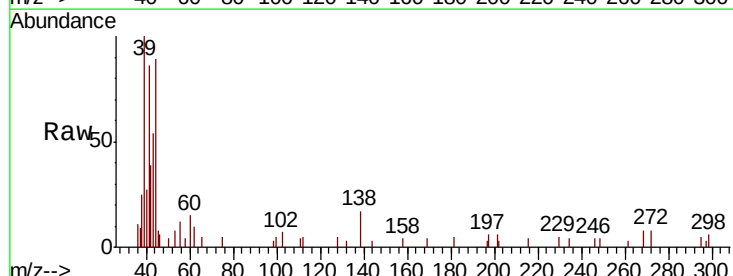
Acq: 24 Mar 2021 11:28

Tgt Ion: 41 Resp: 3034

Ion Ratio Lower Upper

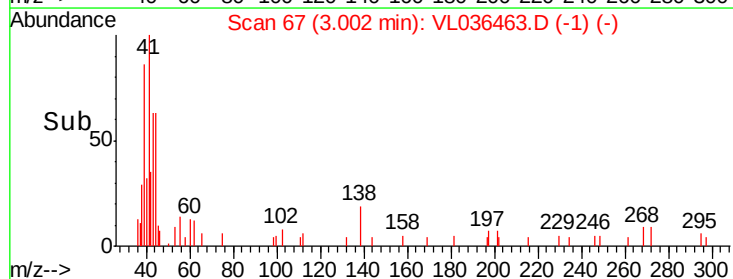
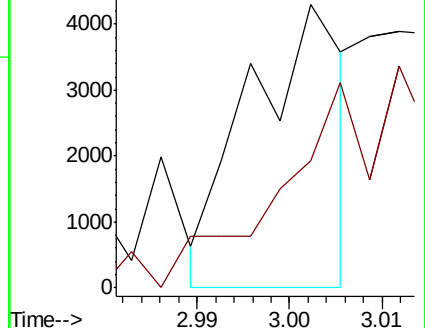
41 100

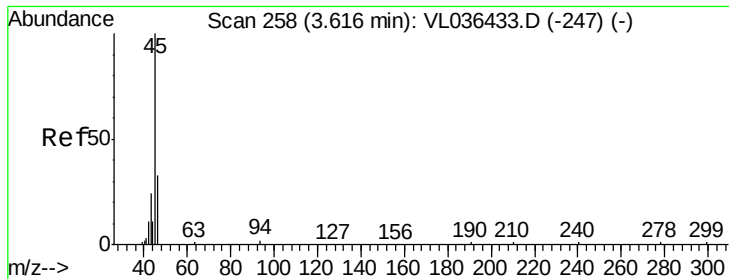
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

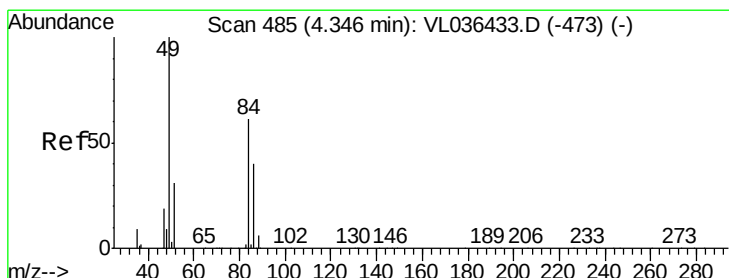
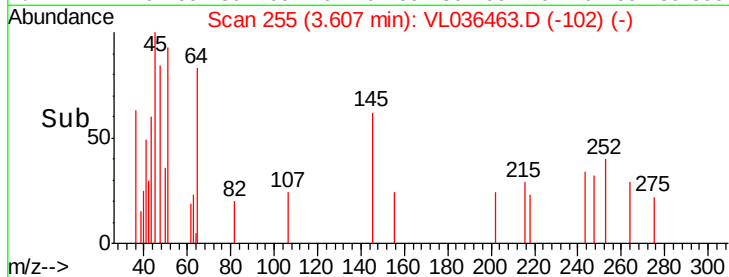
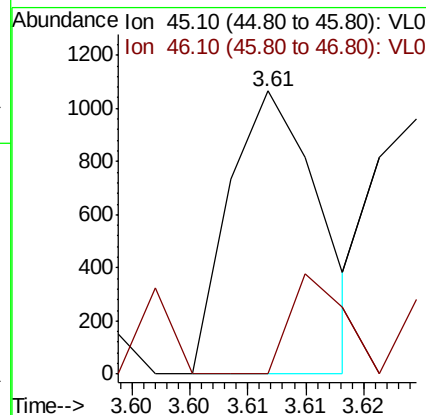
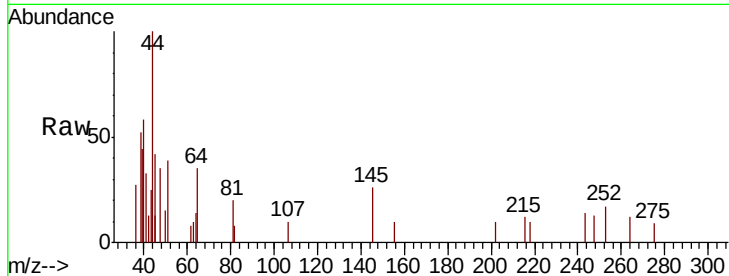
Ion 42.10 (41.80 to 42.80): VL0





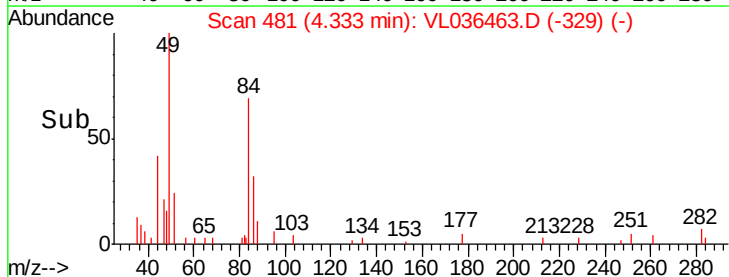
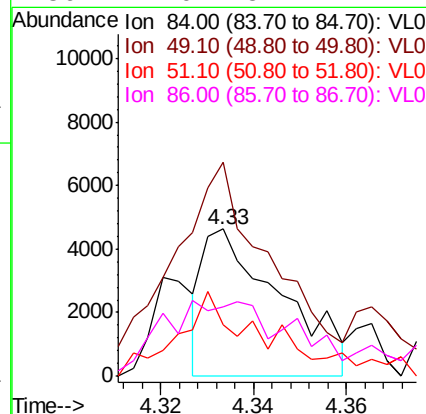
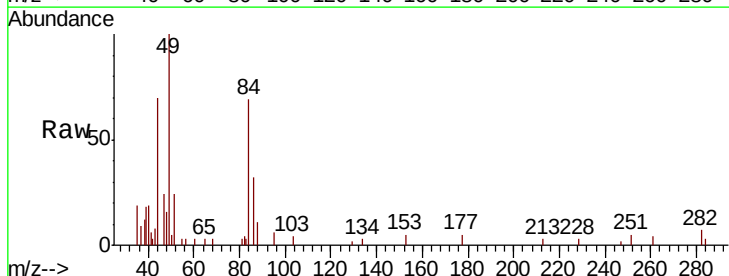
#13
 Ethanol
 Concen: 0.046 ppbv
 RT: 3.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 11:28

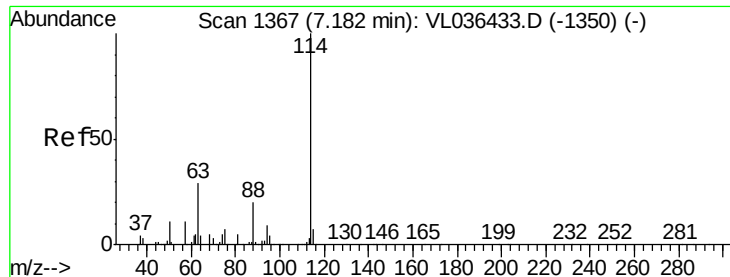
Tot Ion: 45 Resp: 577
 Ion Ratio Lower Upper
 45 100
 46 10.9 16.8 67.4#



#20
 Methylene Chloride
 Concen: 0.088 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VL036463.D
 Acq: 24 Mar 2021 11:28

Tgt Ion: 84 Resp: 5380
 Ion Ratio Lower Upper
 84 100
 49 159.3 130.2 195.2
 51 25.0 40.5 60.7#
 86 47.0 51.4 77.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 11:28

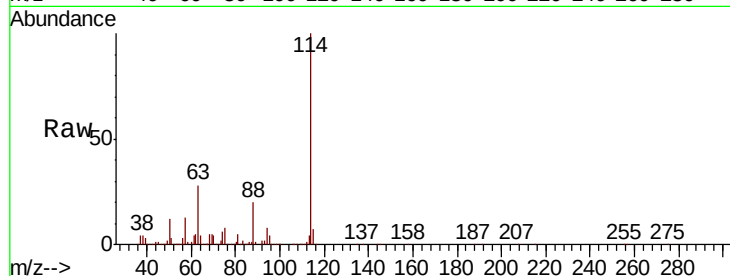
Tot Ion:114 Resp: 3516028

Ion Ratio Lower Upper

114 100

63 29.5 23.3 34.9

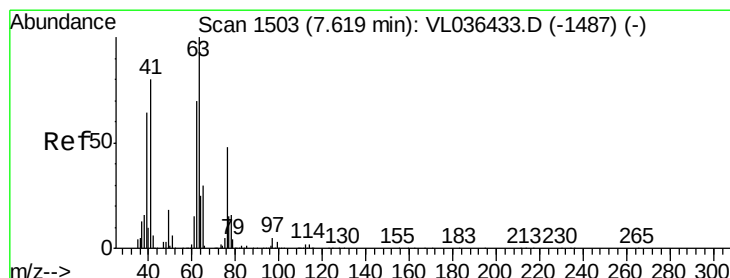
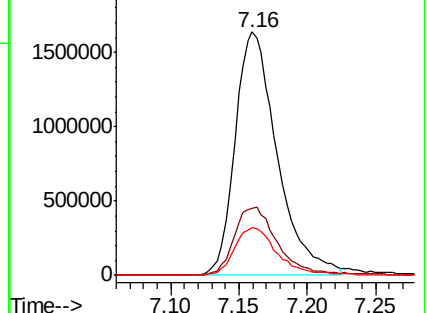
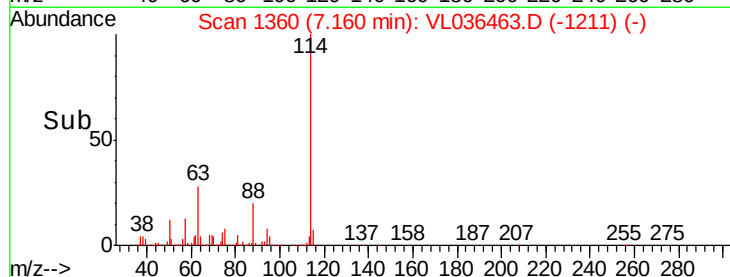
88 20.0 15.6 23.4



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: 8.695 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL036463.D

Acq: 24 Mar 2021 11:28

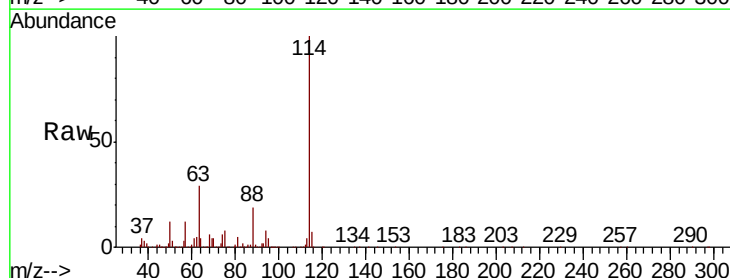
Tgt Ion: 63 Resp: 1008797

Ion Ratio Lower Upper

63 100

41 0.0 64.4 96.6#

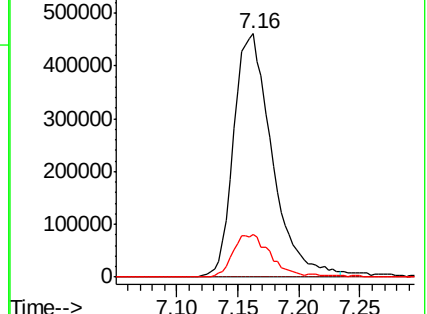
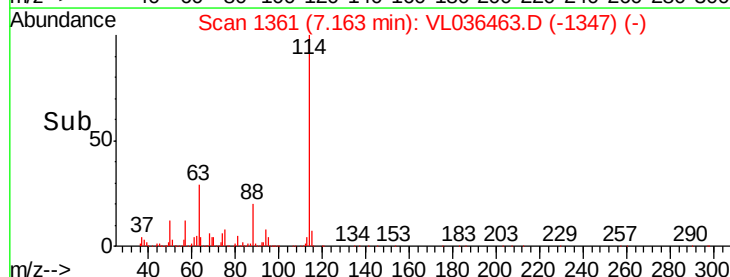
62 17.3 55.7 83.5#

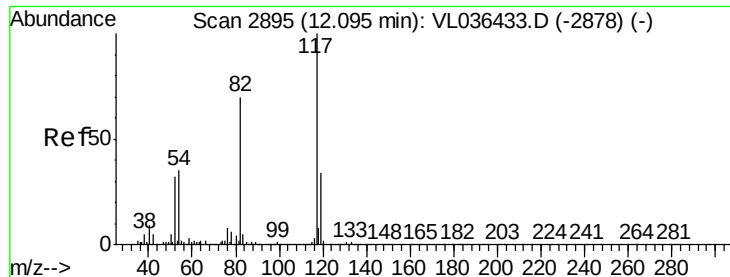


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

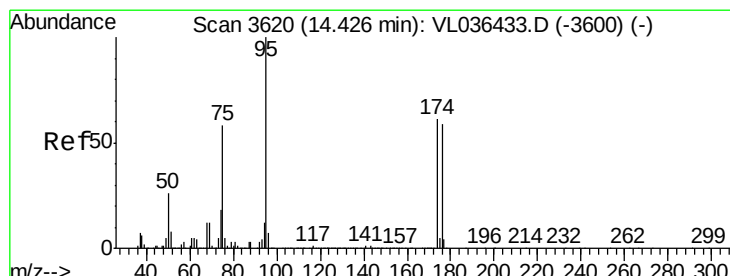
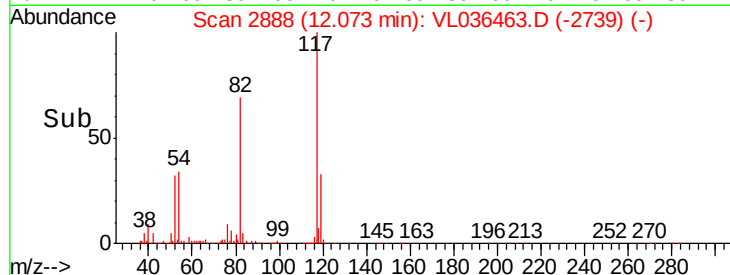
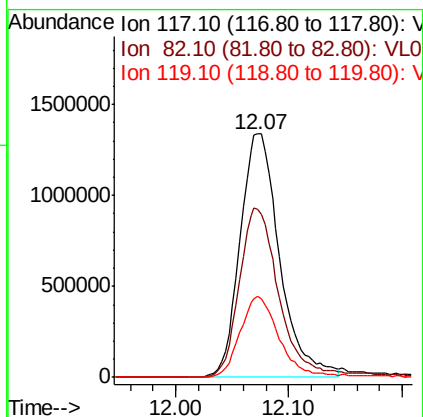
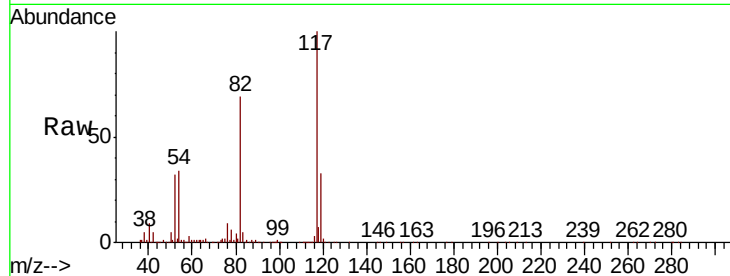
Ion 62.10 (61.80 to 62.80): VL0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 11:28

Tot Ion: 117 Resp: 3263463
Ion Ratio Lower Upper
117 100
82 72.2 56.5 84.7
119 33.5 27.0 40.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 14.40 min Scan# 3613
Delta R.T.: -0.02 min
Lab File: VL036463.D
Acq: 24 Mar 2021 11:28

Tgt Ion: 95 Resp: 2652535
Ion Ratio Lower Upper
95 100
174 64.8 51.0 76.4
175 4.6 3.8 5.6

