

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036462.D
 Acq On : 24 Mar 2021 10:51
 Operator :
 Sample : VL0324ABL01
 Misc : 400 mL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:18:04 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	1671071	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3686938	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3392174	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2711423	9.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

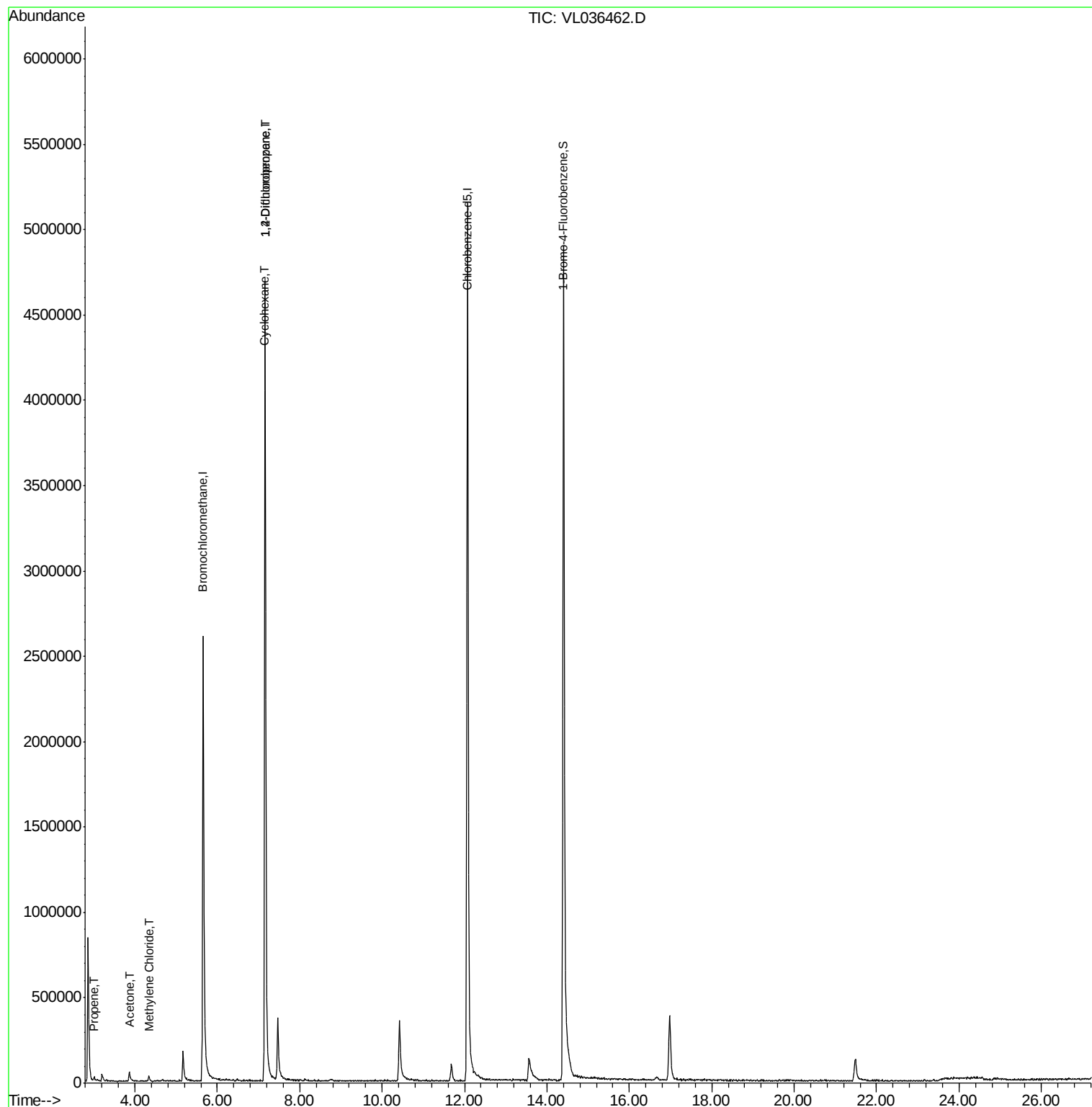
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5423	0.063	ppbv #	65
15) Acetone	3.86	43	48422	0.254	ppbv #	1
20) Methylene Chloride	4.33	84	5819	0.090	ppbv #	53
30) Cyclohexane	7.14	84	3246	0.026	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	1029858	8.465	ppbv #	22

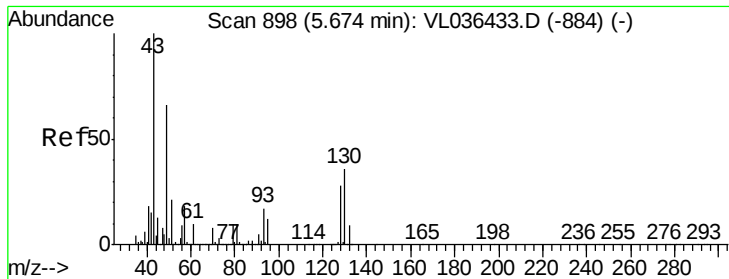
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 10:51

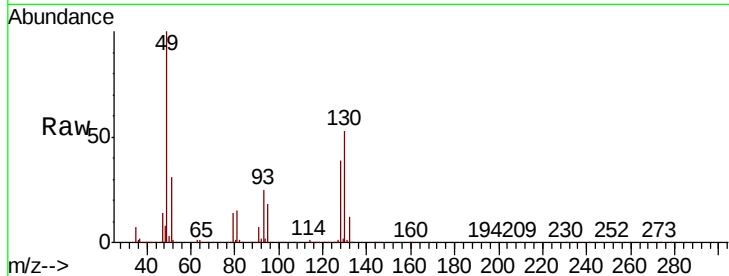
Tot Ion: 49 Resp: 1671071

Ion Ratio Lower Upper

49 100

128 42.9 22.4 67.2

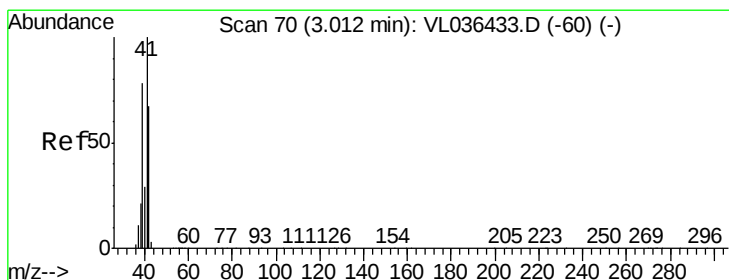
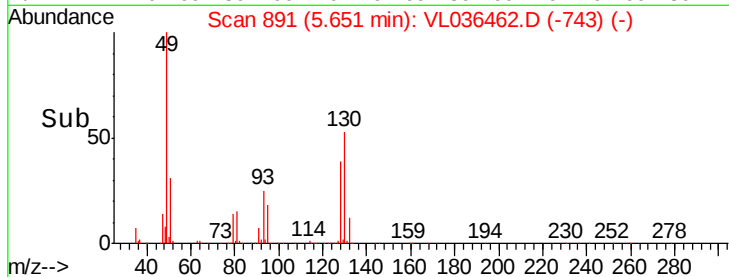
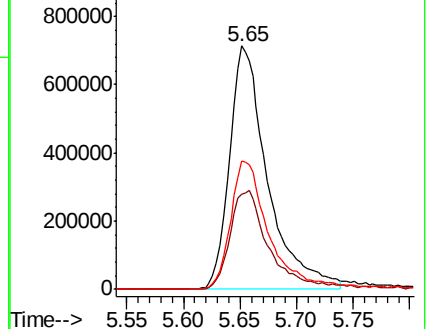
130 55.5 28.0 84.0



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: 0.063 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL036462.D

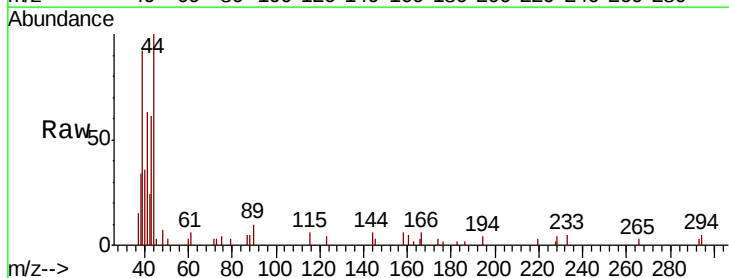
Acq: 24 Mar 2021 10:51

Tgt Ion: 41 Resp: 5423

Ion Ratio Lower Upper

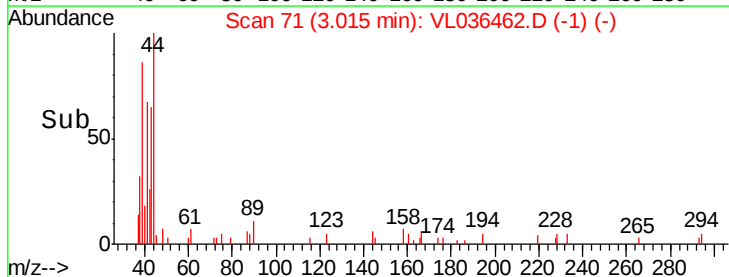
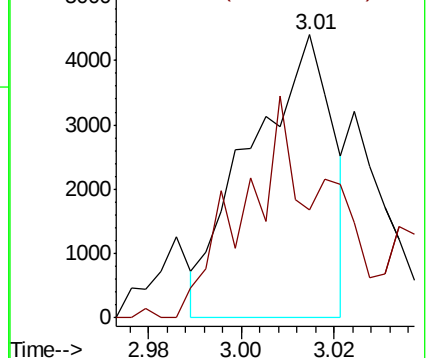
41 100

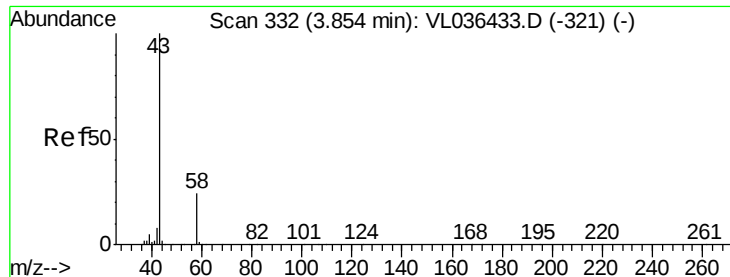
42 99.2 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.254 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

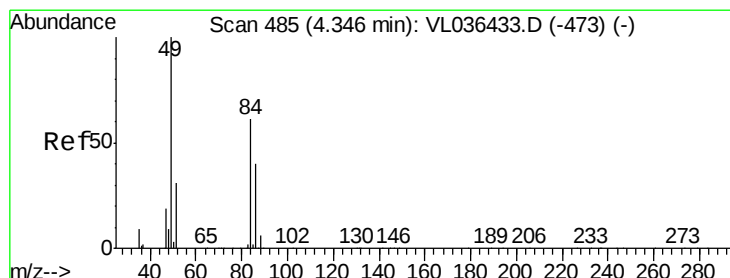
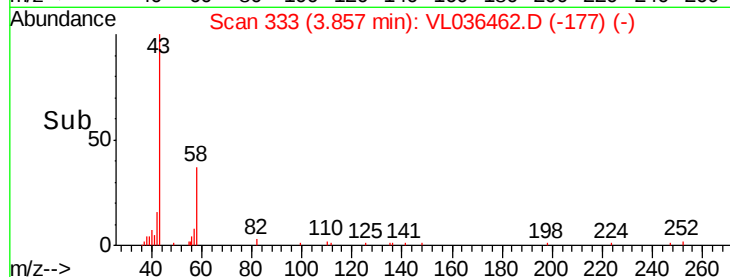
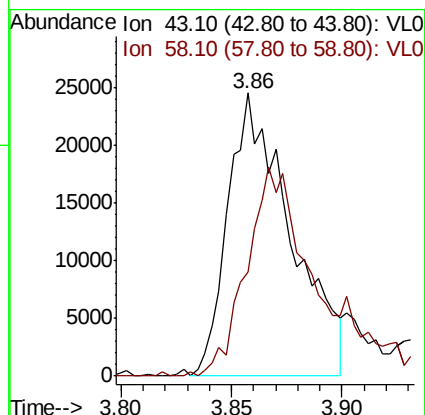
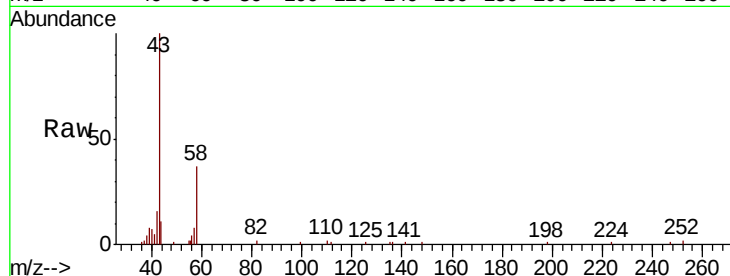
Acq: 24 Mar 2021 10:51

Tot Ion: 43 Resp: 48422

Ion Ratio Lower Upper

43 100

58 88.1 21.0 31.6#



#20

Methylene Chloride

Concen: 0.090 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036462.D

Acq: 24 Mar 2021 10:51

Tgt Ion: 84 Resp: 5819

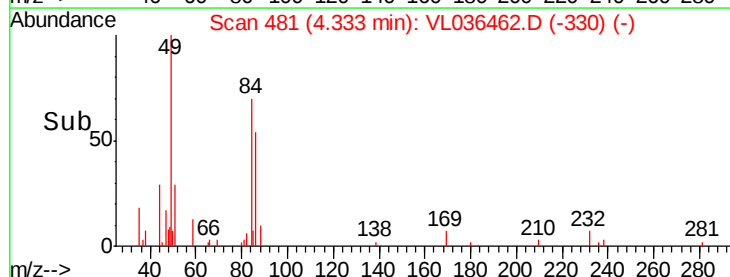
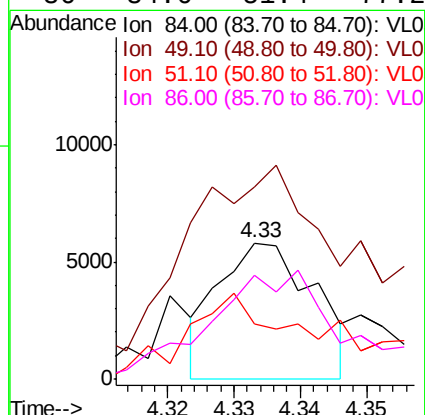
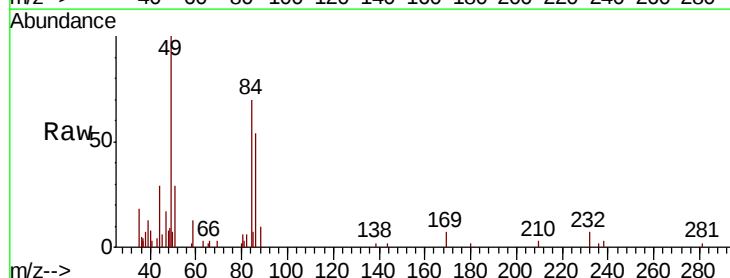
Ion Ratio Lower Upper

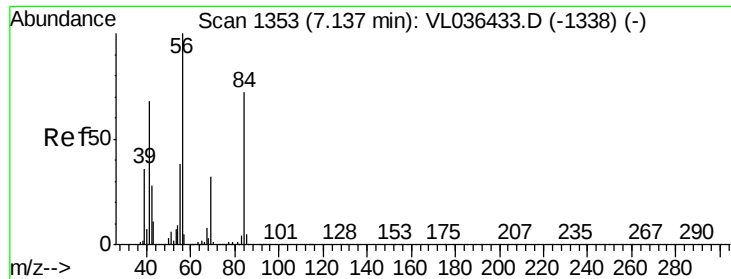
84 100

49 99.0 130.2 195.2#

51 0.4 40.5 60.7#

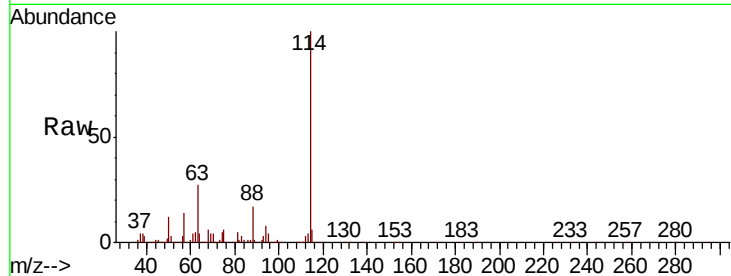
86 84.6 51.4 77.2#





#30
Cvclohexane
Concen: 0.026 ppbv
RT: 7.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2021 10:51

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	117.6	176.4#
41	0.0	75.9	113.9#

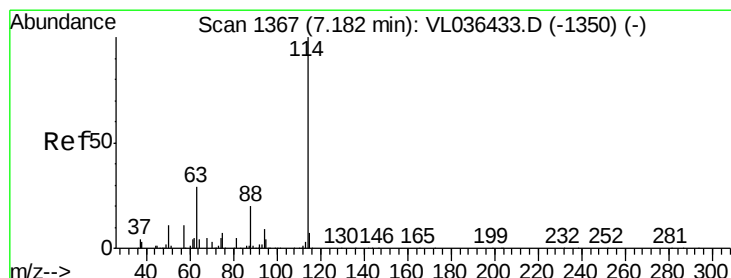
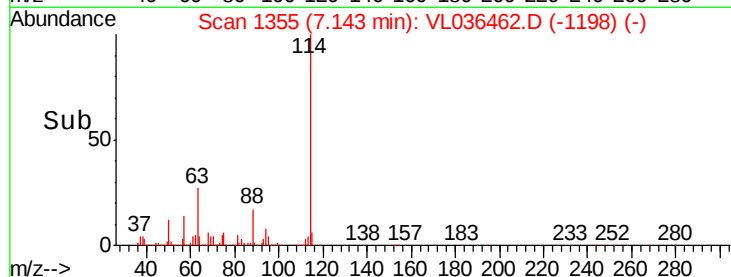
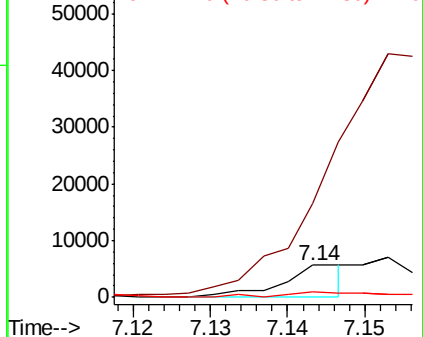


Abundance

Ion 84.20 (83.90 to 84.90): VL0

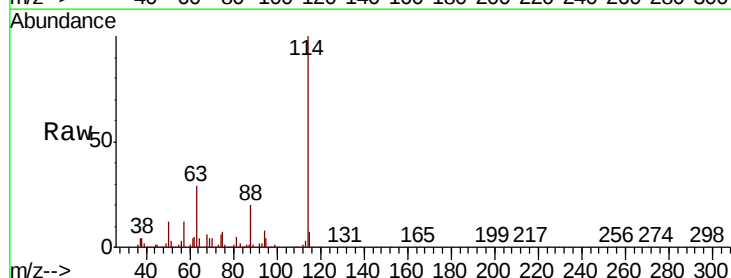
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T.: -0.02 min
Lab File: VL036462.D
Acq: 24 Mar 2021 10:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.2	23.3	34.9
88	19.7	15.6	23.4

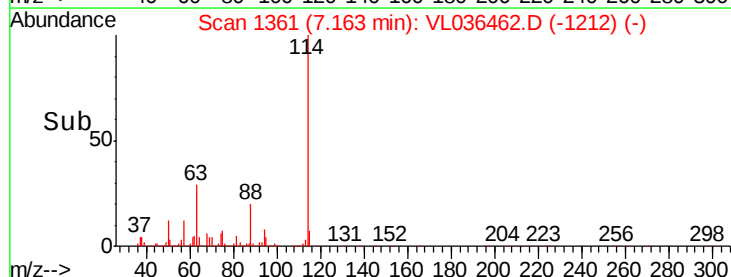
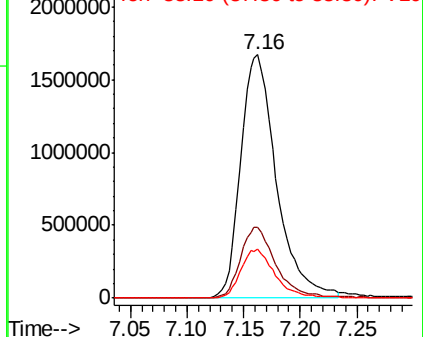


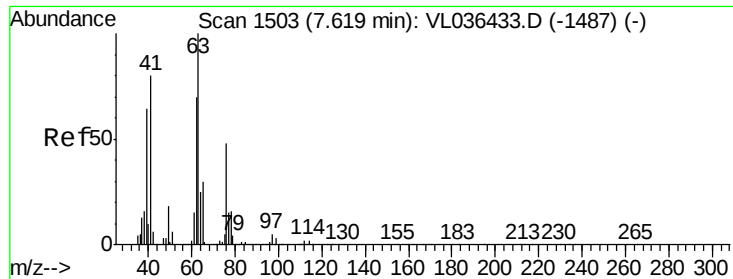
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

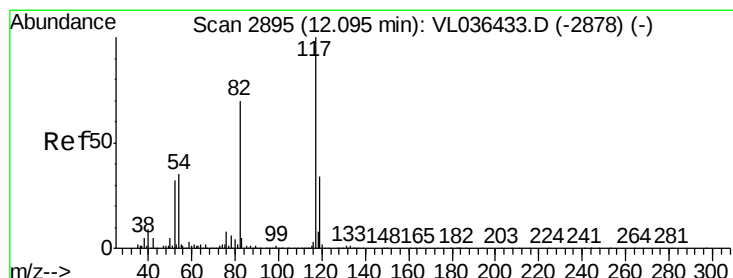
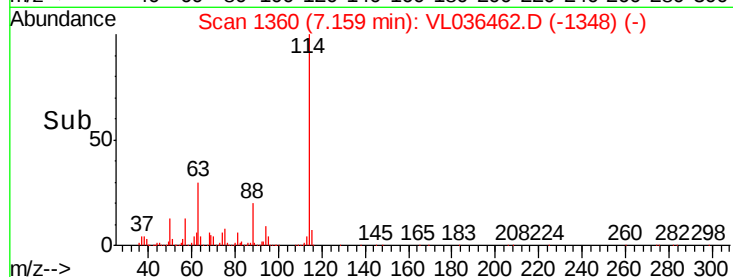
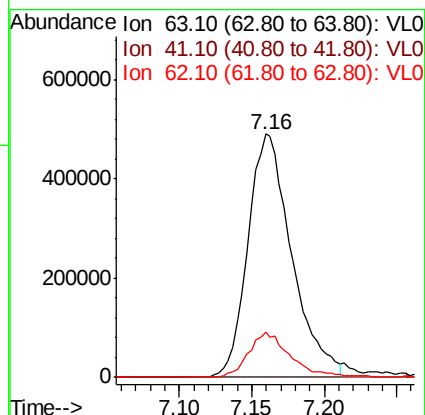
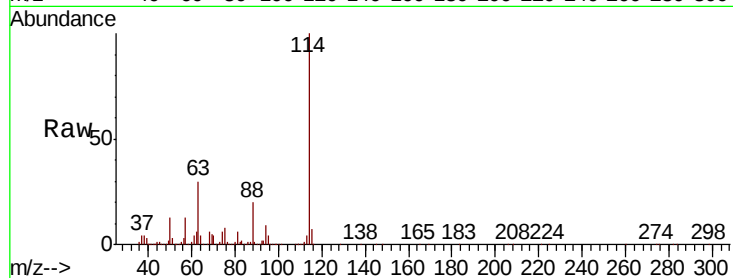
Ion 88.10 (87.80 to 88.80): VL0





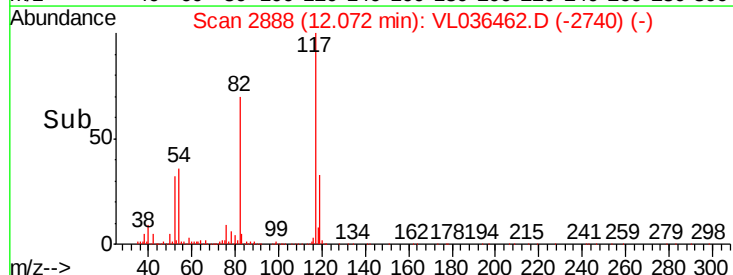
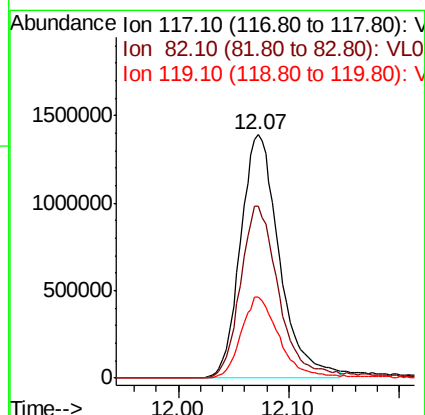
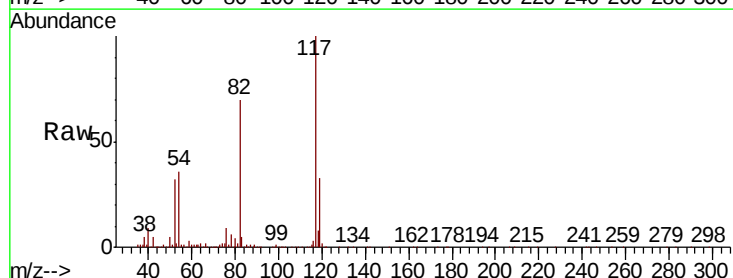
#39
 1,2-Dichloropropane
 Concen: 8.465 ppbv
 RT: 7.16
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 10:51

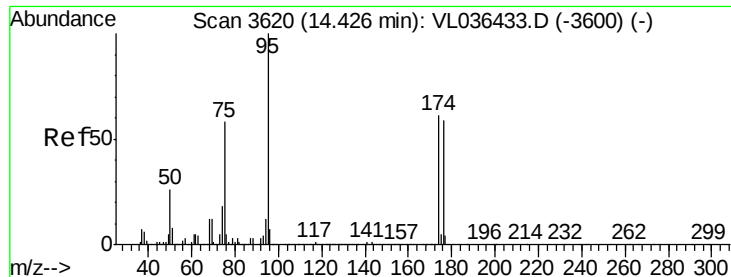
Tot Ion: 63 Resp: 1029858
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 18.6 55.7 83.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T.: -0.02 min
 Lab File: VL036462.D
 Acq: 24 Mar 2021 10:51

Tgt Ion: 117 Resp: 3392174
 Ion Ratio Lower Upper
 117 100
 82 72.0 56.5 84.7
 119 33.5 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.720 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 10:51

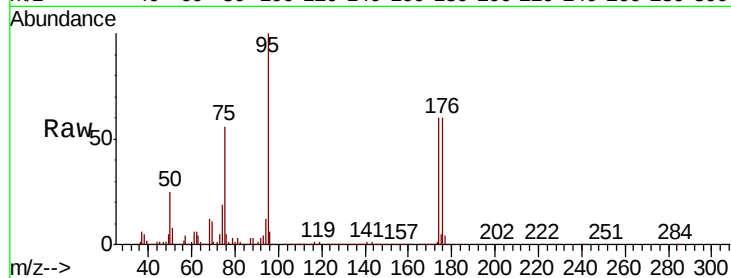
Tot Ion: 95 Resp: 2711423

Ion Ratio Lower Upper

95 100

174 66.8 51.0 76.4

175 4.6 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

