

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036455.D
 Acq On : 19 Mar 2021 19:50
 Operator :
 Sample : OC031821 CAN 10045
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:42:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.64	49	1603384	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3584946	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3289767	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2640332	9.76	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

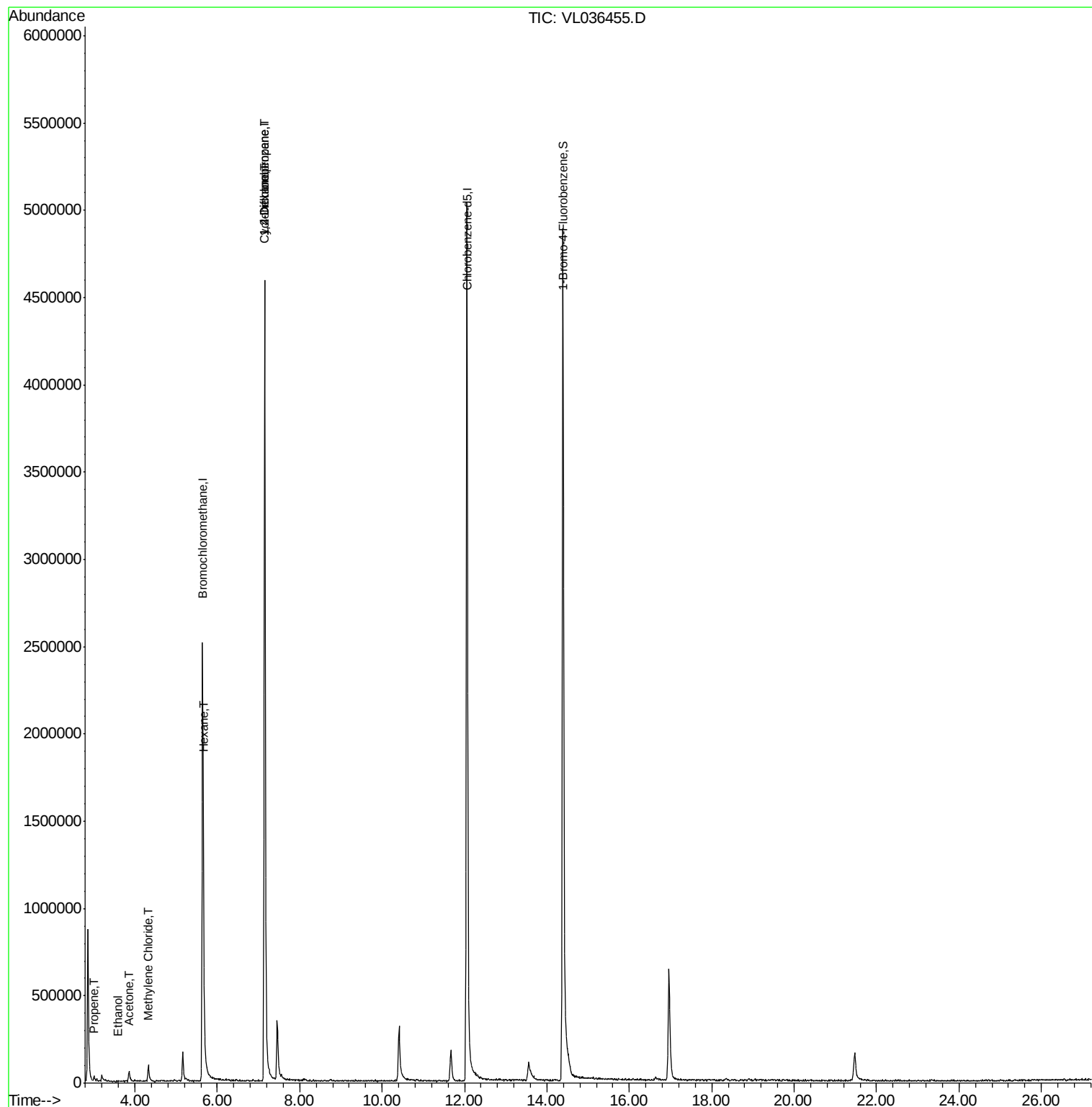
Target Compounds					Ovalue
9) Propene	2.99	41	1792	0.022 ppbv #	15
13) Ethanol	3.59	45	460	0.036 ppbv #	34
15) Acetone	3.85	43	46657	0.255 ppbv #	1
20) Methylene Chloride	4.32	84	34239	0.554 ppbv	95
26) Hexane	5.67	57	7363	0.051 ppbv #	27
30) Cyclohexane	7.14	84	9712	0.081 ppbv #	1
39) 1,2-Dichloropropane	7.15	63	1016624	8.594 ppbv #	21

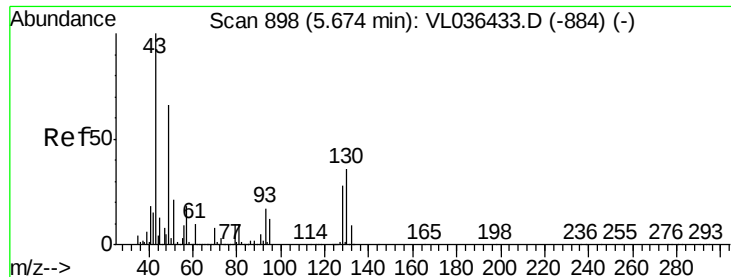
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036455.D

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Instrument :

MSVOA_L

ClientSampleId :

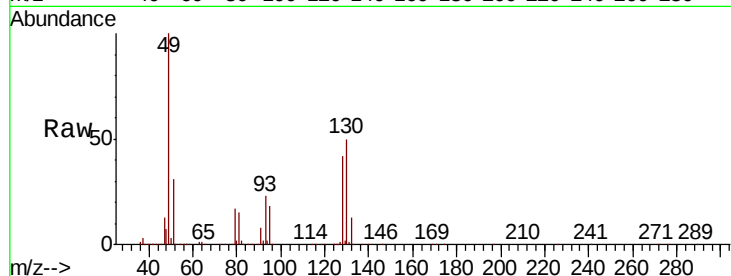
Tot Ion: 49 Resp: 1603384

Ion Ratio Lower Upper

49 100

128 43.8 22.4 67.2

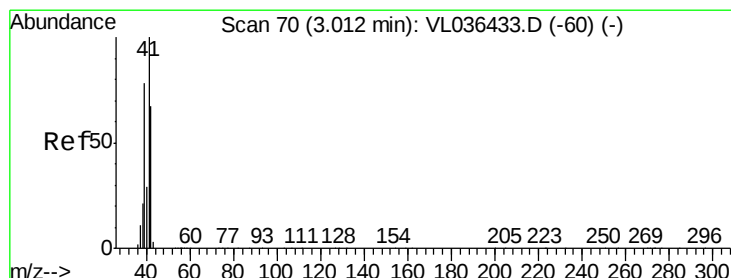
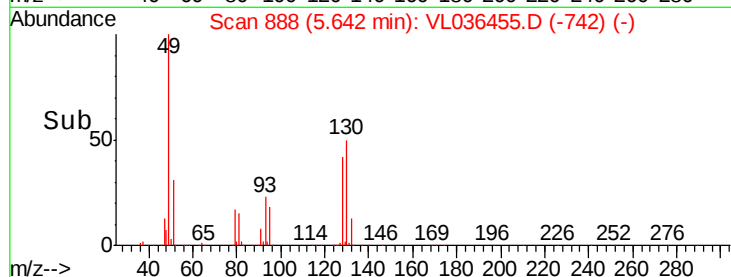
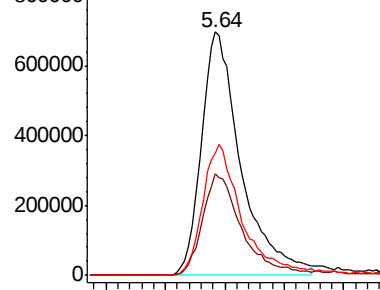
130 55.3 28.0 84.0



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: 0.022 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036455.D

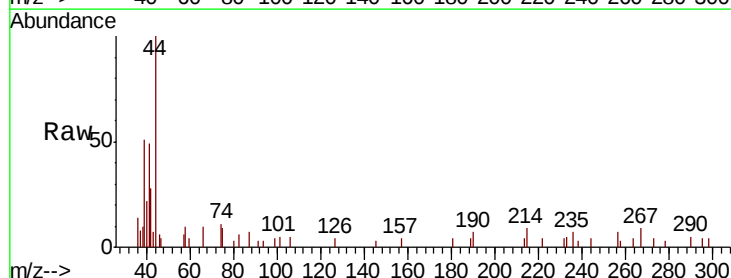
Acq: 19 Mar 2021 19:50

Tgt Ion: 41 Resp: 1792

Ion Ratio Lower Upper

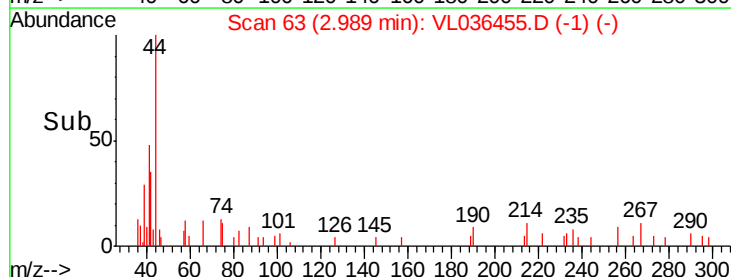
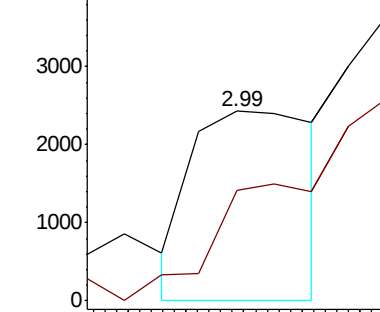
41 100

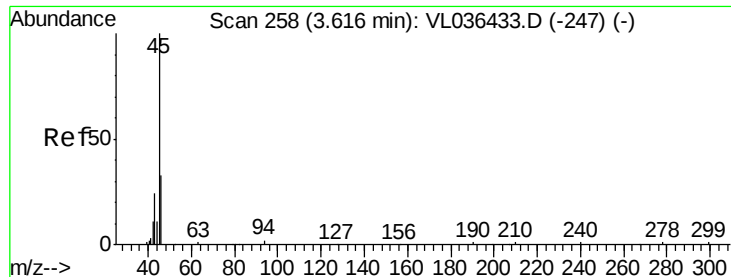
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

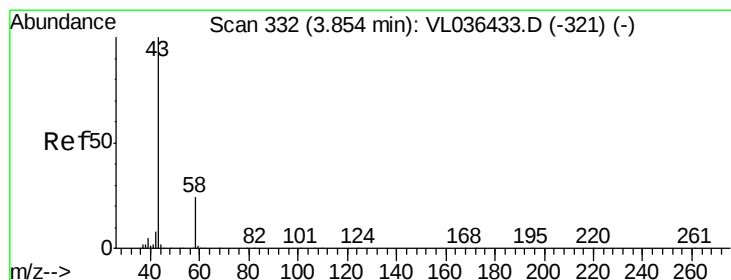
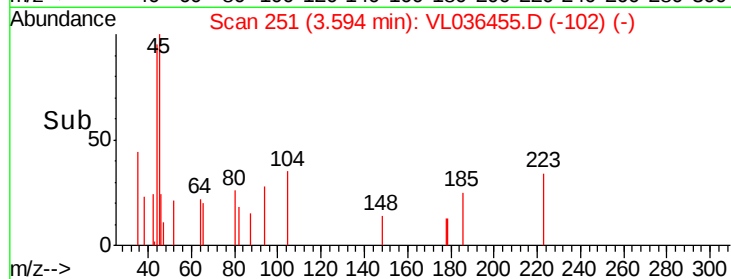
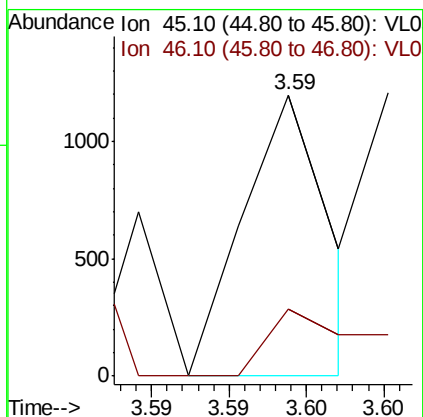
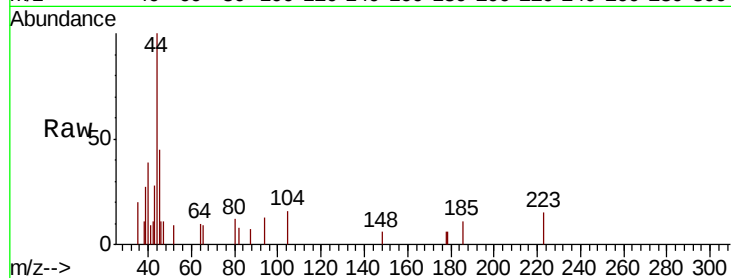




#13
Ethanol
Concen: 0.036 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

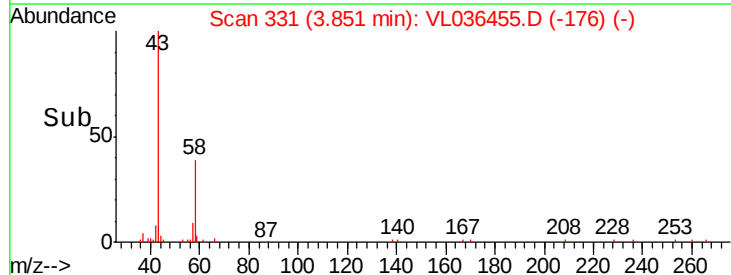
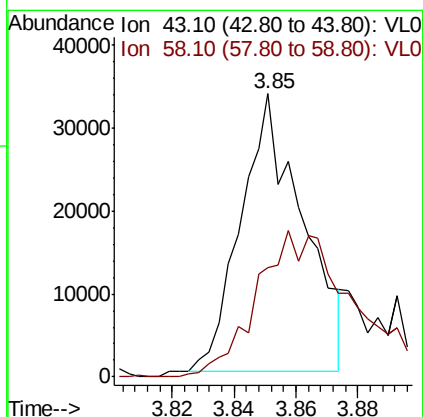
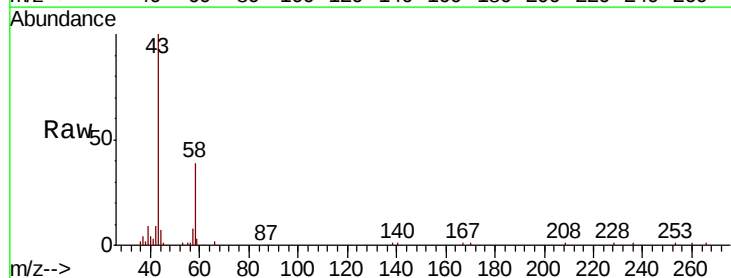
Instrument :
MSVOA_L
ClientSampled :

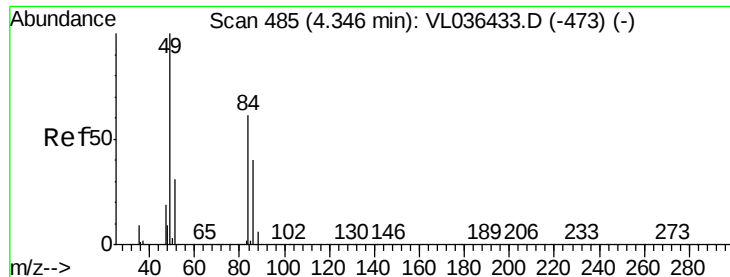
Tot Ion: 45 Resp: 460
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#



#15
Acetone
Concen: 0.255 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

Tgt Ion: 43 Resp: 46657
Ion Ratio Lower Upper
43 100
58 96.3 21.0 31.6#

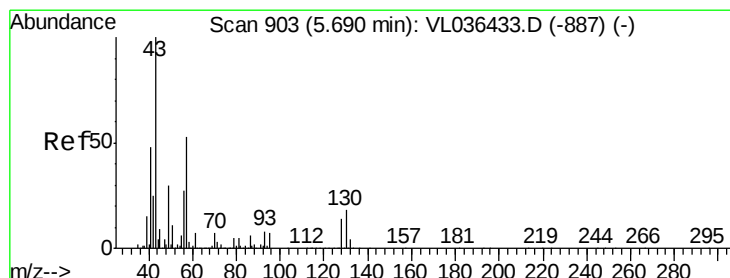
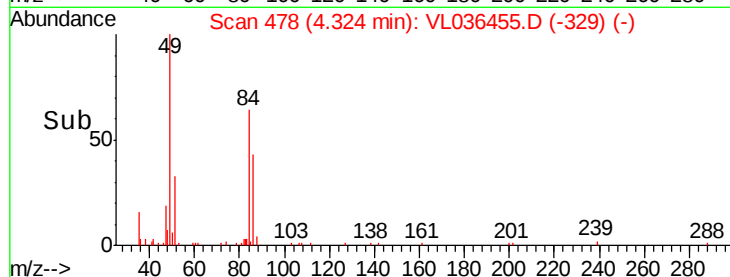
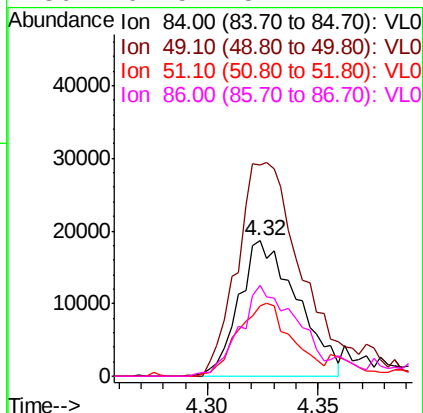
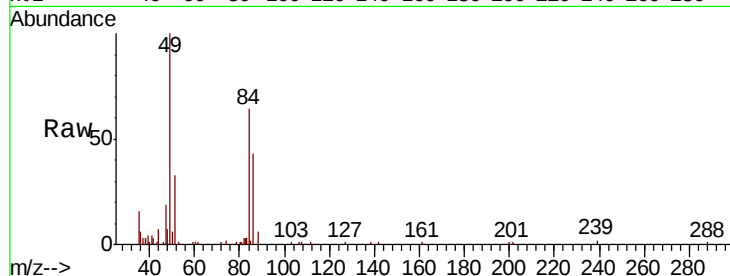




#20
Methvlene Chloride
Concen: 0.554 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

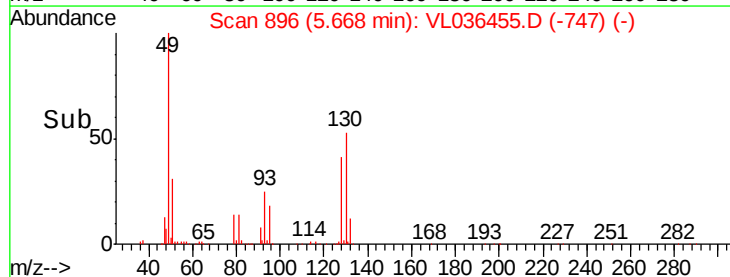
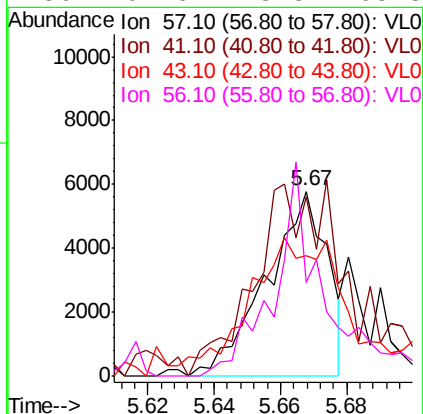
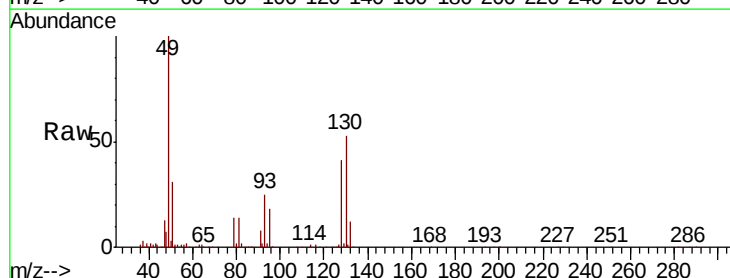
Instrument :
MSVOA_L
ClientSampleId :

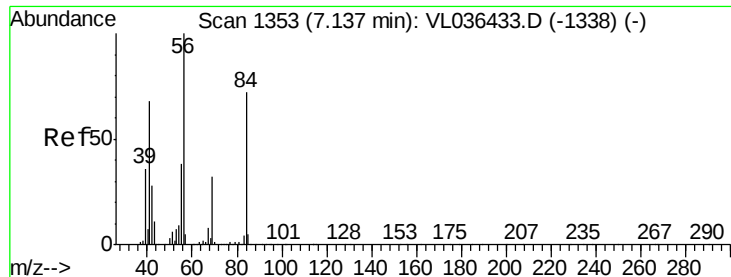
Tot Ion:	84	Resp:	34239
Ion	Ratio	Lower	Upper
84	100		
49	155.3	130.2	195.2
51	51.9	40.5	60.7
86	67.5	51.4	77.2



#26
Hexane
Concen: 0.051 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

Tgt Ion:	57	Resp:	7363
Ion	Ratio	Lower	Upper
57	100		
41	0.0	80.4	120.6#
43	137.6	199.8	299.6#
56	101.6	43.8	65.8#

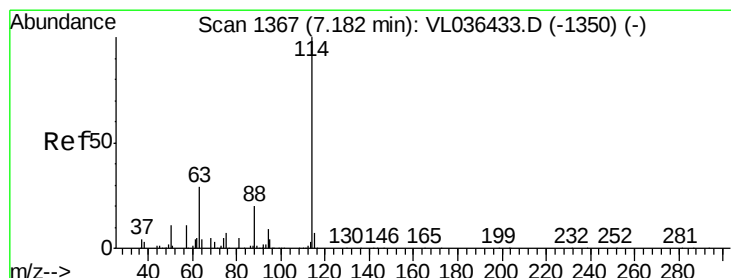
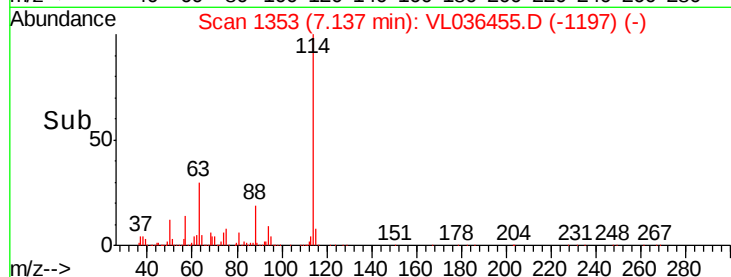
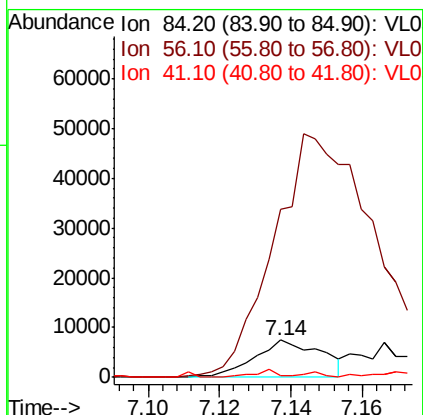
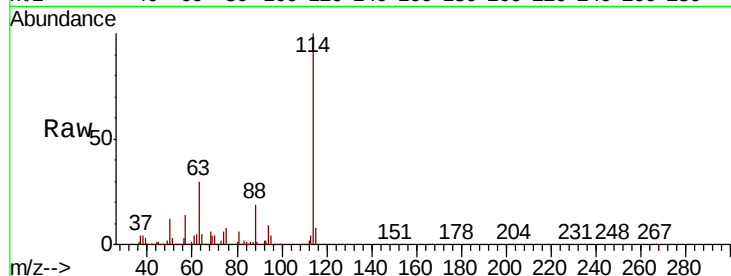




#30
Cvclohexane
Concen: 0.081 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

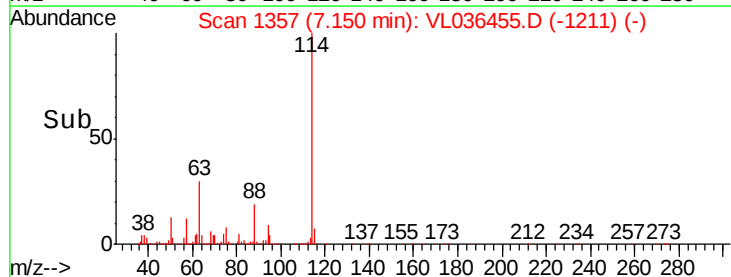
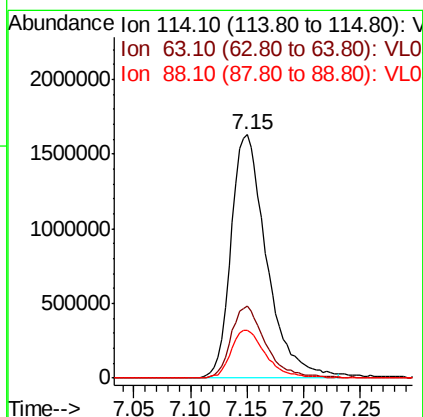
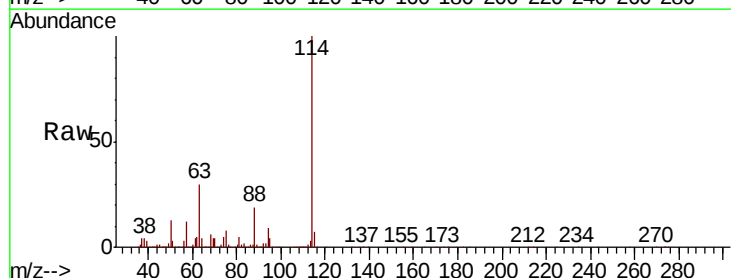
Instrument :
MSVOA_L
ClientSampleId :

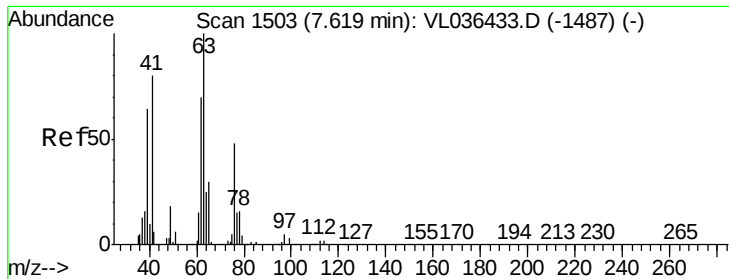
Tot Ion: 84 Resp: 9712
Ion Ratio Lower Upper
84 100
56 1088.0 117.6 176.4#
41 0.0 75.9 113.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036455.D
Acq: 19 Mar 2021 19:50

Tgt Ion:114 Resp: 3584946
Ion Ratio Lower Upper
114 100
63 29.2 23.3 34.9
88 19.6 15.6 23.4

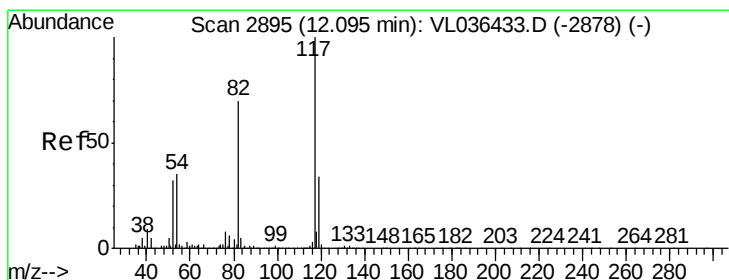
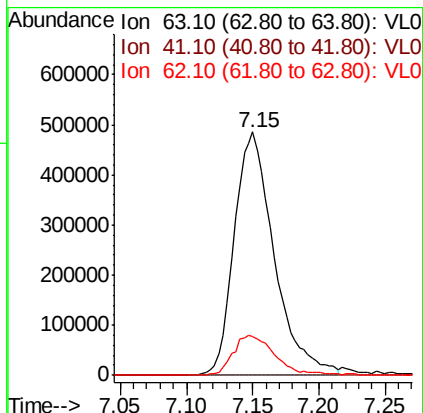
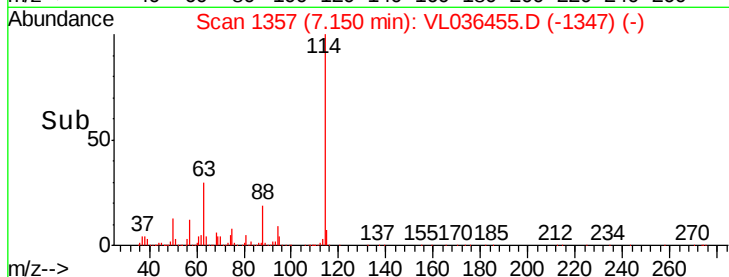
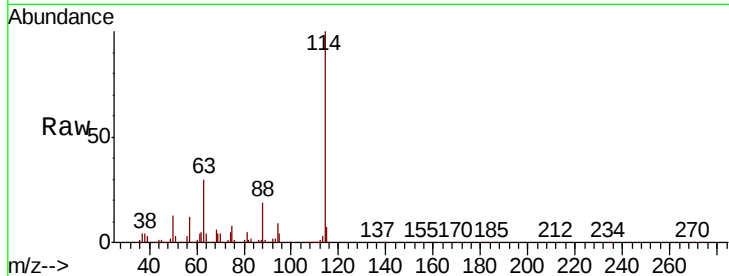




#39
 1,2-Dichloropropane
 Concen: 8.594 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL036455.D
 Acq: 19 Mar 2021 19:50

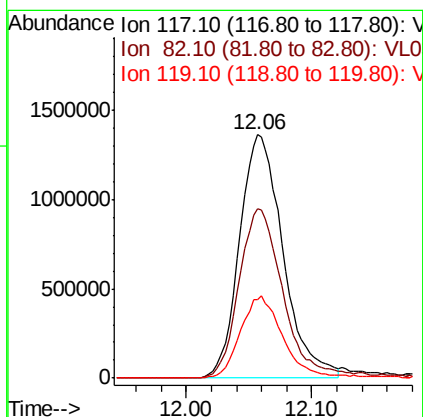
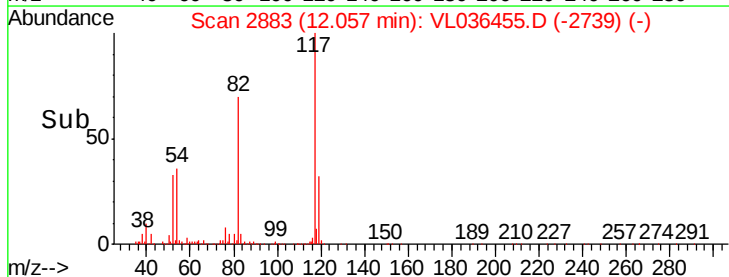
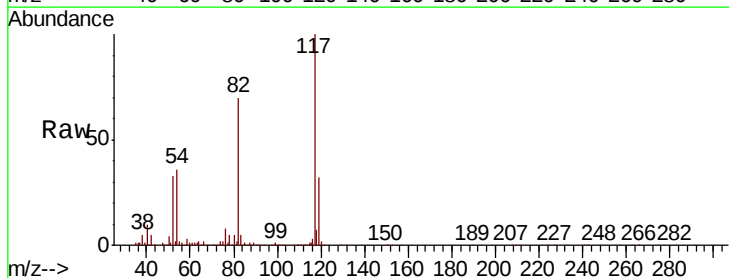
Instrument :
 MSVOA_L
 ClientSampleId :

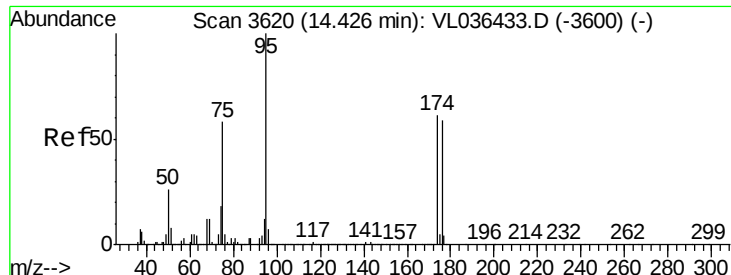
Tot Ion: 63 Resp: 1016624
 Ion Ratio Lower Upper
 63 100
 41 0.1 64.4 96.6#
 62 15.9 55.7 83.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2883
 Delta R.T. -0.04 min
 Lab File: VL036455.D
 Acq: 19 Mar 2021 19:50

Tgt Ion: 117 Resp: 3289767
 Ion Ratio Lower Upper
 117 100
 82 73.4 56.5 84.7
 119 33.9 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.760 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036455.D

Acq: 19 Mar 2021 19:50

Instrument :

MSVOA_L

ClientSampleId :

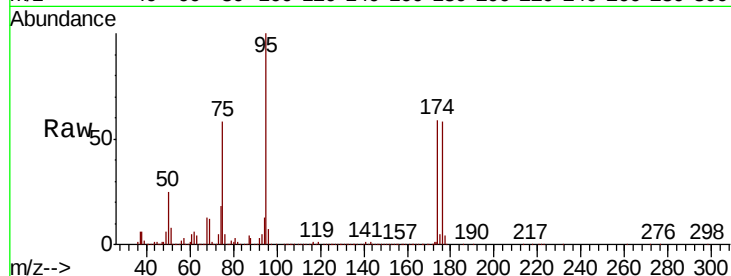
Tot Ion: 95 Resp: 2640332

Ion Ratio Lower Upper

95 100

174 66.0 51.0 76.4

175 4.8 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

