

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036218.D
 Acq On : 13 Jan 2021 8:19
 Operator : SY/AP
 Sample : VL0113ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABL01

Quant Time: Jan 13 22:05:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1549007	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3303761	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2946655	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2478489	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

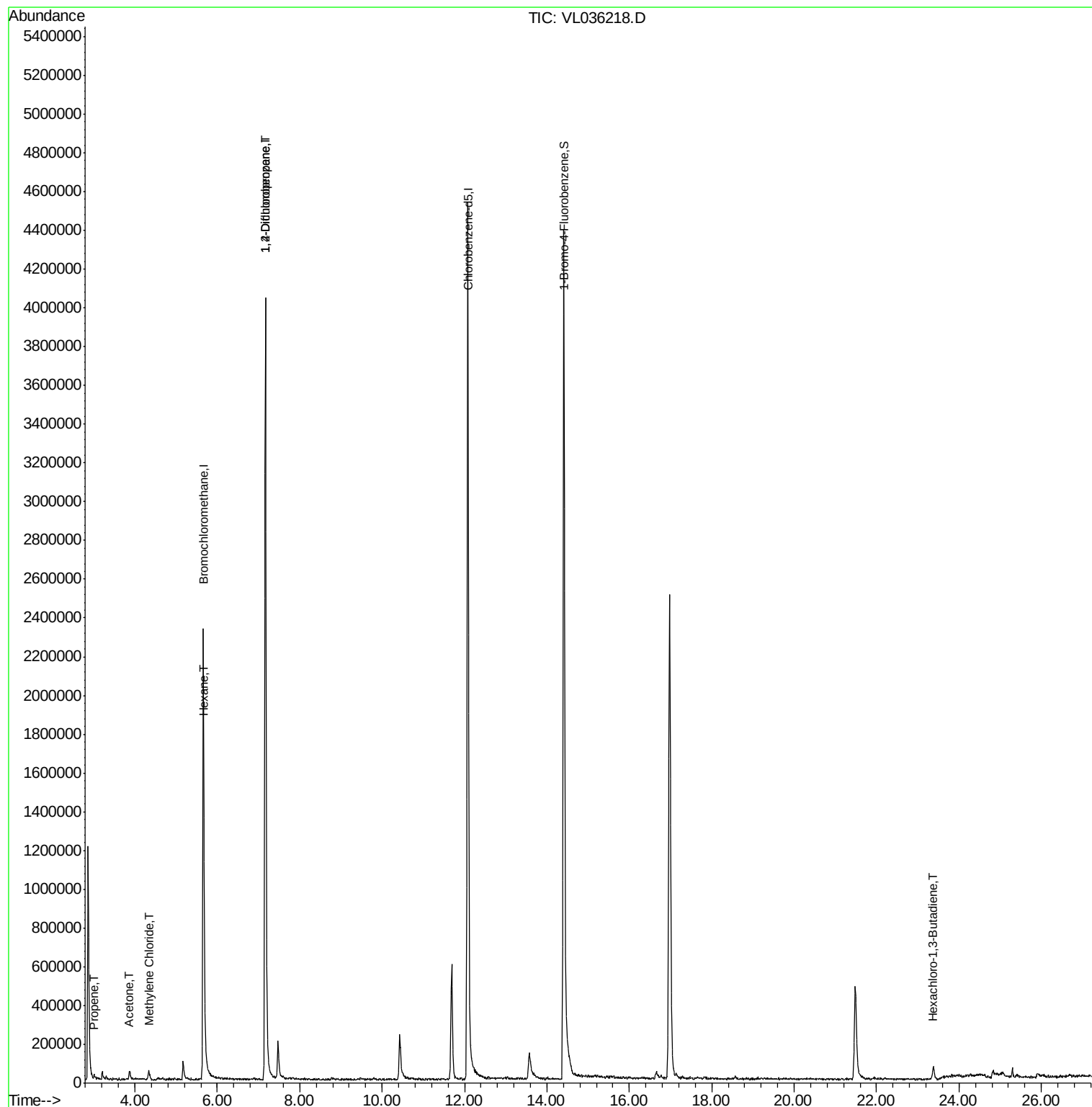
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	4893	0.053	ppbv	95
15) Acetone	3.86	43	44735	0.243	ppbv #	40
20) Methylene Chloride	4.33	84	7365	0.131	ppbv #	89
26) Hexane	5.68	57	6088	0.039	ppbv #	34
39) 1,2-Dichloropropane	7.17	63	963810	7.842	ppbv #	21
78) Hexachloro-1,3-Butadiene	23.37	225	10855	0.066	ppbv #	21

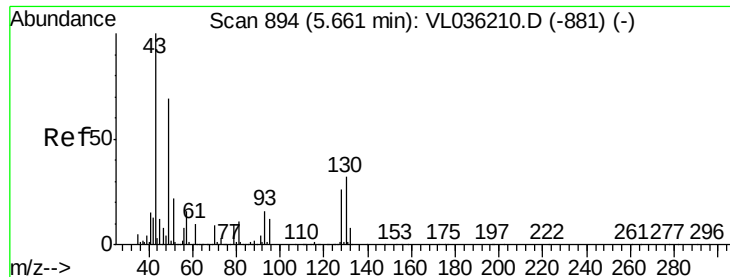
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL036218.D

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ClientSampleId :

VL0113ABL01

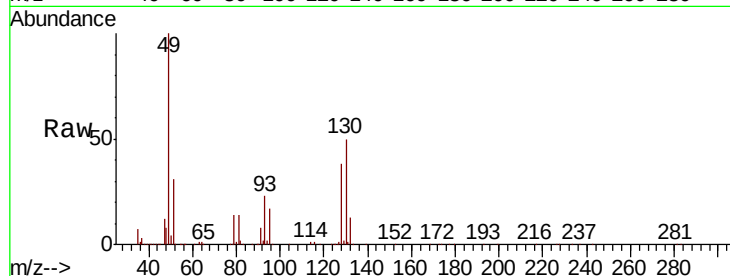
Tot Ion: 49 Resp: 1549007

Ion Ratio Lower Upper

49 100

128 39.7 20.1 60.2

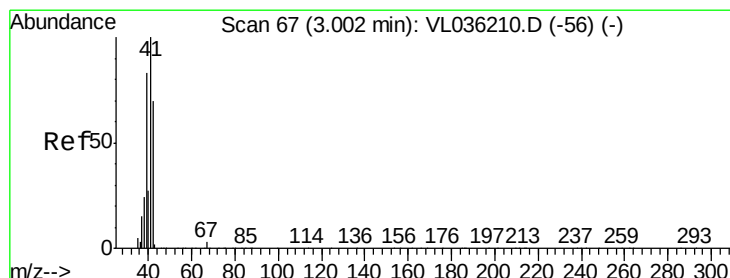
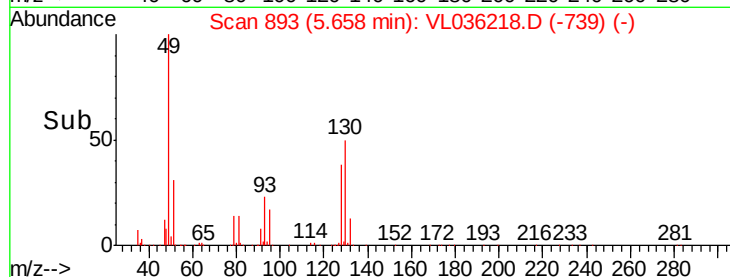
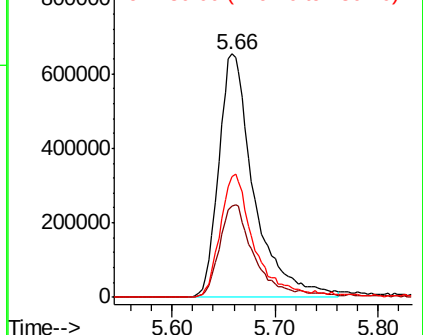
130 50.8 25.3 75.9



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: 0.053 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036218.D

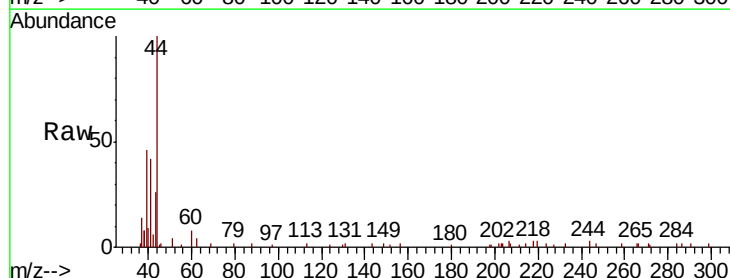
Acq: 13 Jan 2021 8:19

Tgt Ion: 41 Resp: 4893

Ion Ratio Lower Upper

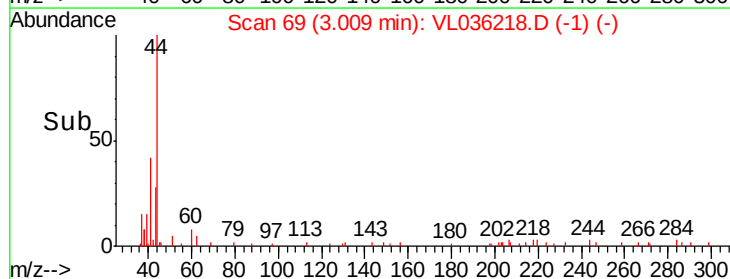
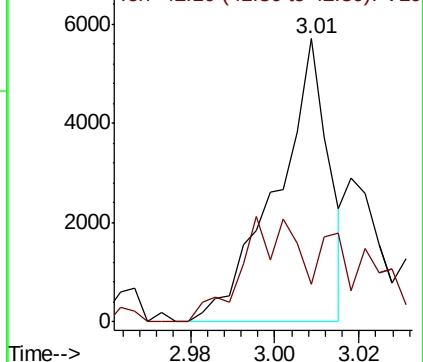
41 100

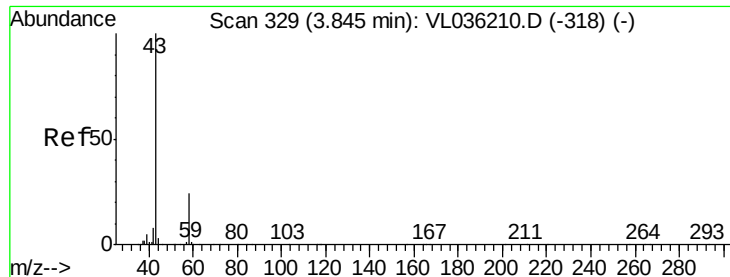
42 75.8 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

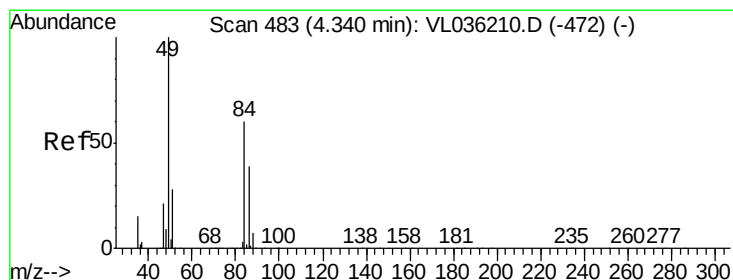
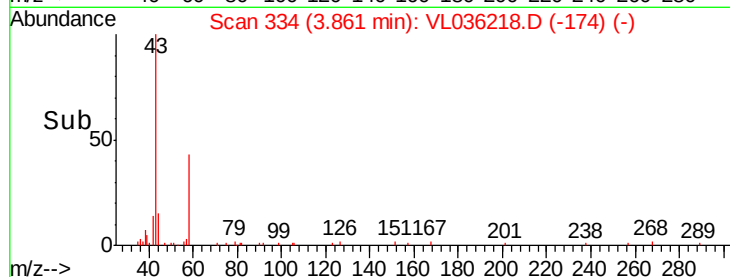
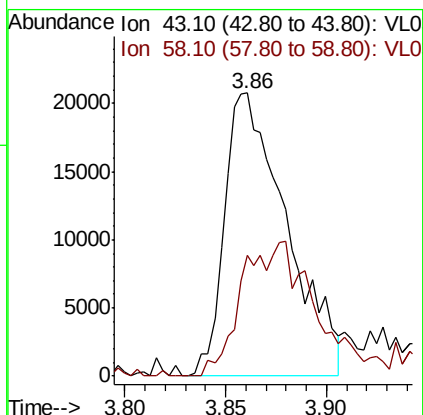
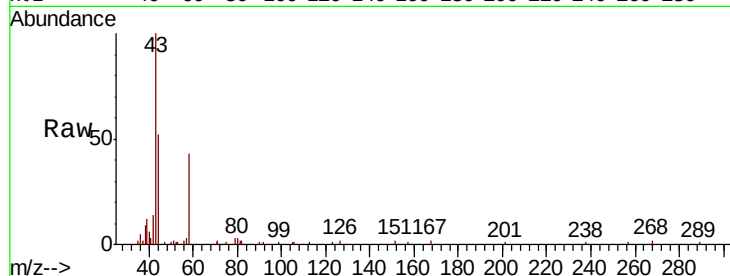




#15
Acetone
Concen: 0.243 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL036218.D
Acq: 13 Jan 2021 8:19

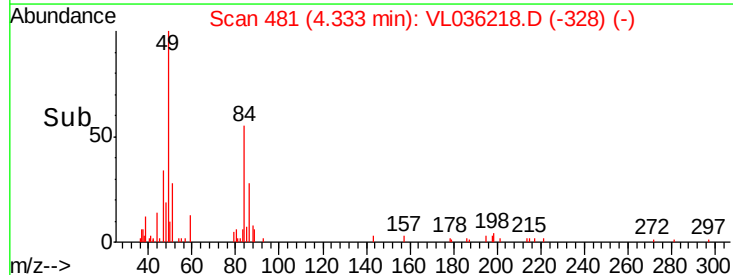
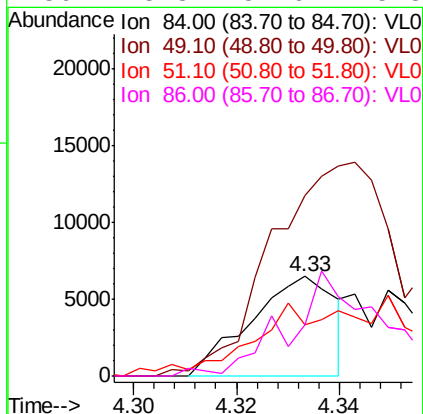
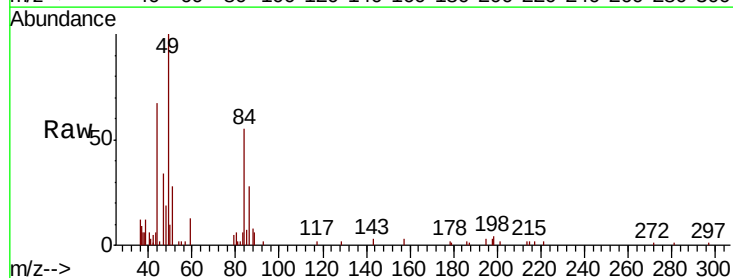
Instrument :
MSVOA_L
ClientSampleId :
VL0113ABL01

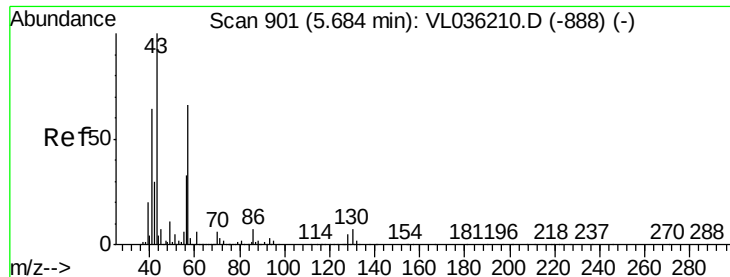
Tot Ion: 43 Resp: 44735
Ion Ratio Lower Upper
43 100
58 56.6 20.9 31.3#



#20
Methylene Chloride
Concen: 0.131 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036218.D
Acq: 13 Jan 2021 8:19

Tgt Ion: 84 Resp: 7365
Ion Ratio Lower Upper
84 100
49 175.4 134.1 201.1
51 44.4 37.4 56.0
86 43.8 52.6 78.8#

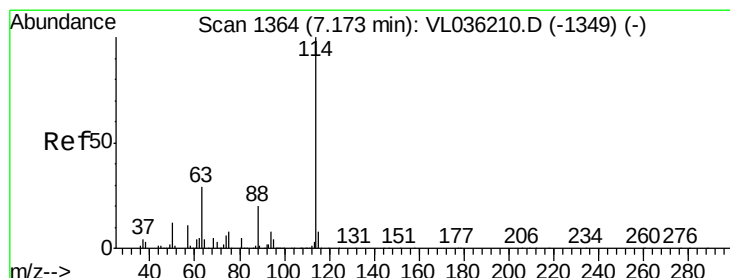
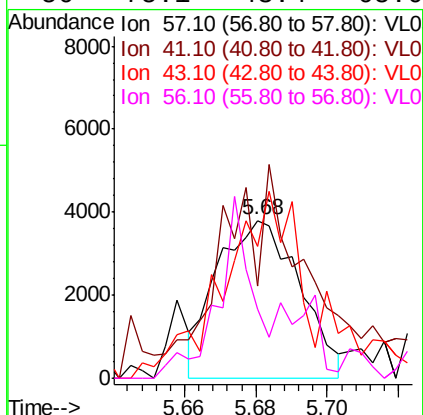
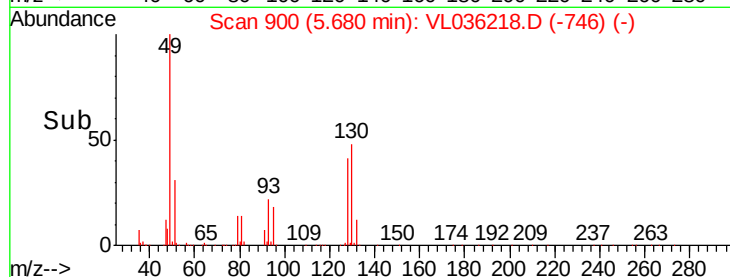
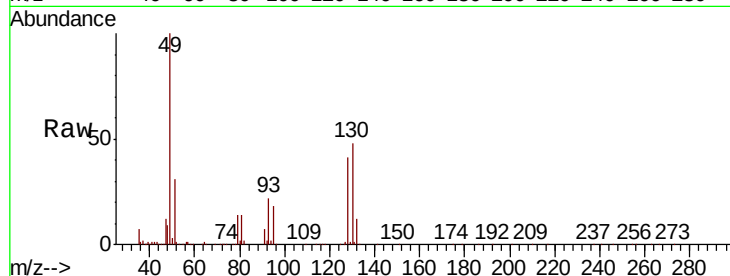




#26
Hexane
Concen: 0.039 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036218.D
Acq: 13 Jan 2021 8:19

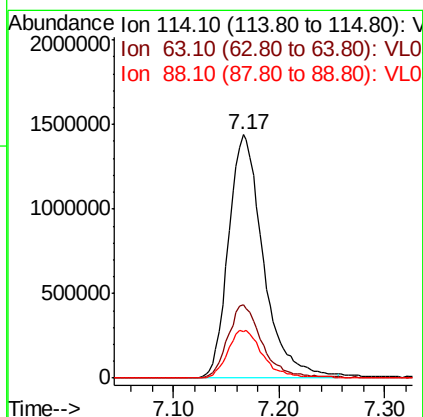
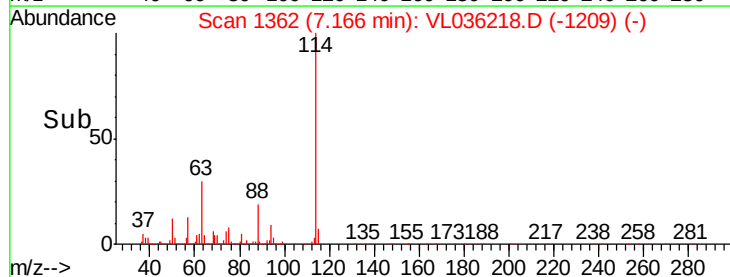
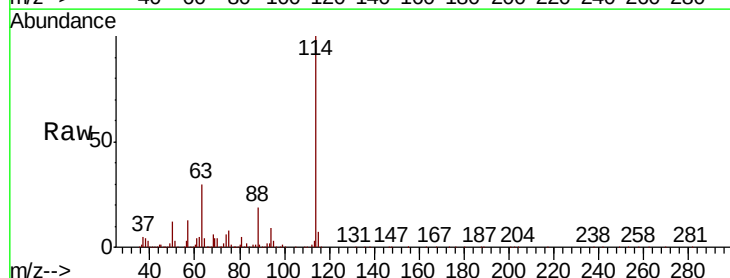
Instrument :
MSVOA_L
ClientSampleId :
VL0113ABL01

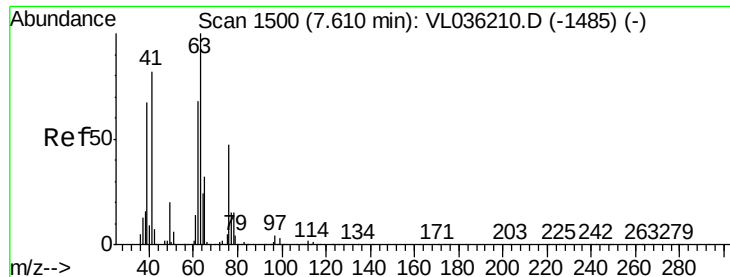
Tot Ion: 57 Resp: 6088
Ion Ratio Lower Upper
57 100
41 181.5 83.0 124.6#
43 129.8 202.4 303.6#
56 75.1 43.4 65.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL036218.D
Acq: 13 Jan 2021 8:19

Tgt Ion:114 Resp: 3303761
Ion Ratio Lower Upper
114 100
63 30.1 24.7 37.1
88 20.3 16.6 24.8

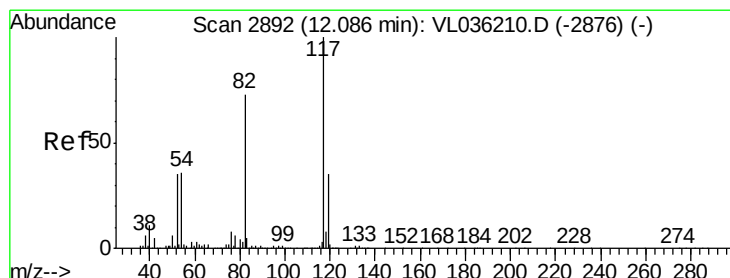
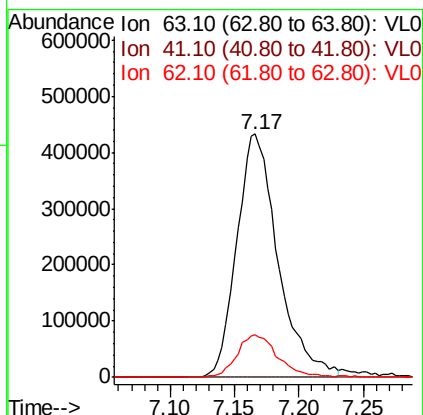
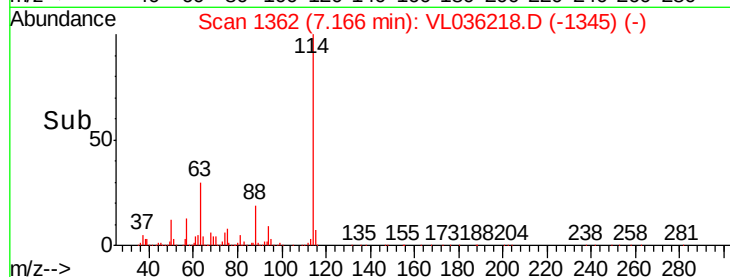
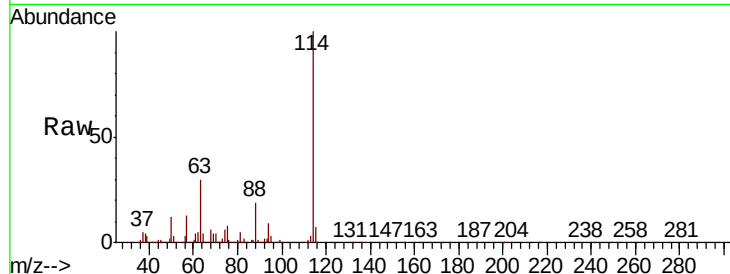




#39
 1,2-Dichloropropane
 Concen: 7.842 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.44 min
 Lab File: VL036218.D
 Acq: 13 Jan 2021 8:19

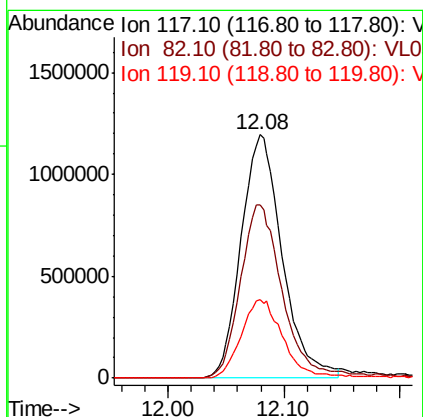
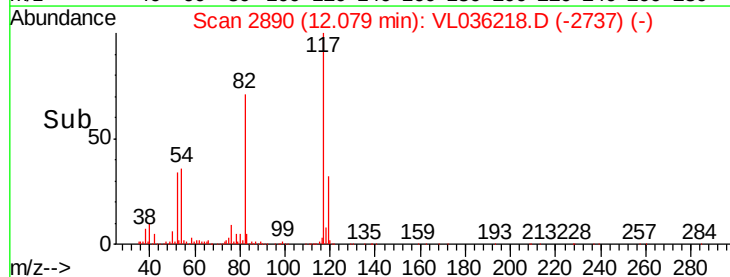
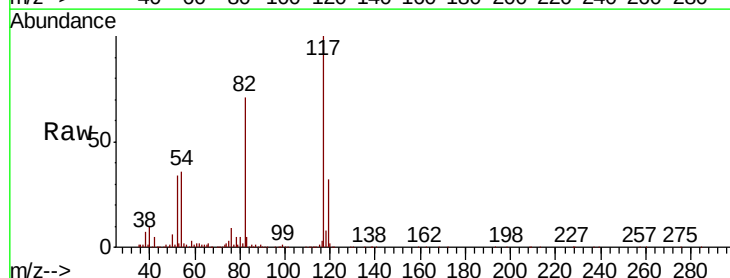
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0113ABL01

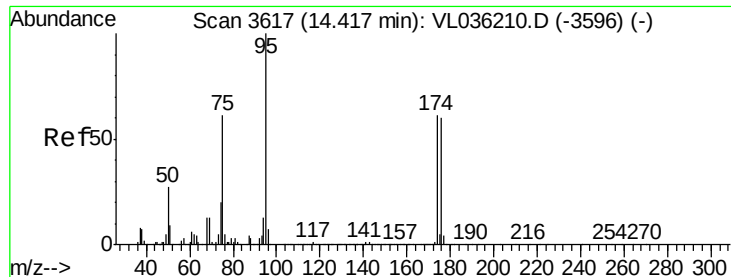
Tot Ion: 63 Resp: 963810
 Ion Ratio Lower Upper
 63 100
 41 0.3 66.1 99.1#
 62 17.7 54.8 82.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2890
 Delta R.T. -0.01 min
 Lab File: VL036218.D
 Acq: 13 Jan 2021 8:19

Tgt Ion: 117 Resp: 2946655
 Ion Ratio Lower Upper
 117 100
 82 72.9 59.7 89.5
 119 33.8 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.162 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036218.D

Acq: 13 Jan 2021 8:19

Instrument :

MSVOA_L

ClientSampleId :

VL0113ABL01

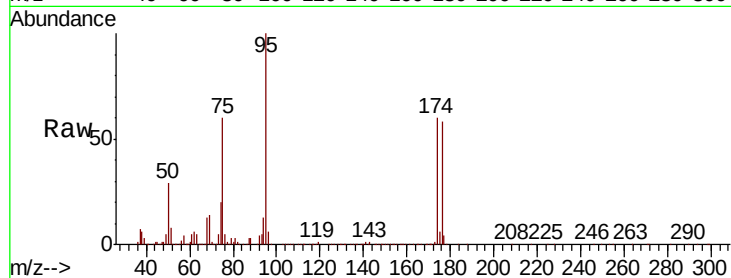
Tot Ion: 95 Resp: 2478489

Ion Ratio Lower Upper

95 100

174 63.8 49.4 74.0

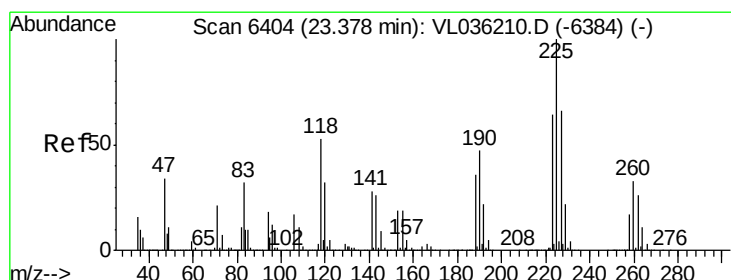
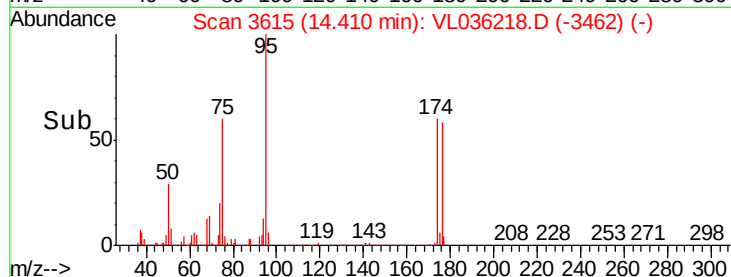
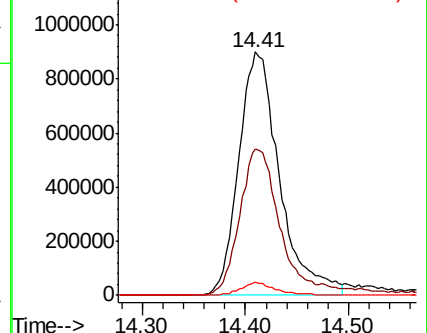
175 4.6 3.8 5.8



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.066 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.00 min

Lab File: VL036218.D

Acq: 13 Jan 2021 8:19

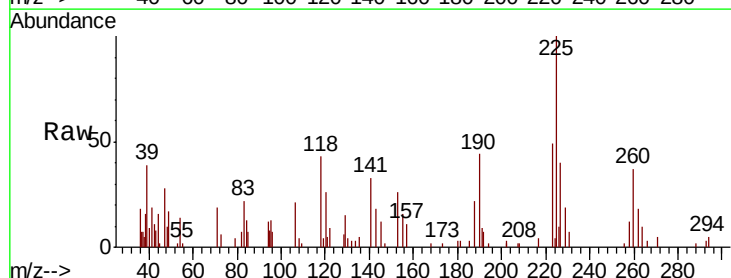
Tgt Ion: 225 Resp: 10855

Ion Ratio Lower Upper

225 100

223 0.0 50.5 75.7#

227 124.9 51.7 77.5#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

