

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036562.D
 Acq On : 30 Mar 2021 9:35
 Operator : SY/AP
 Sample : OC032921 CAN 10410
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:12:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1333184	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	3053895	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	2723763	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2176226	10.02	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

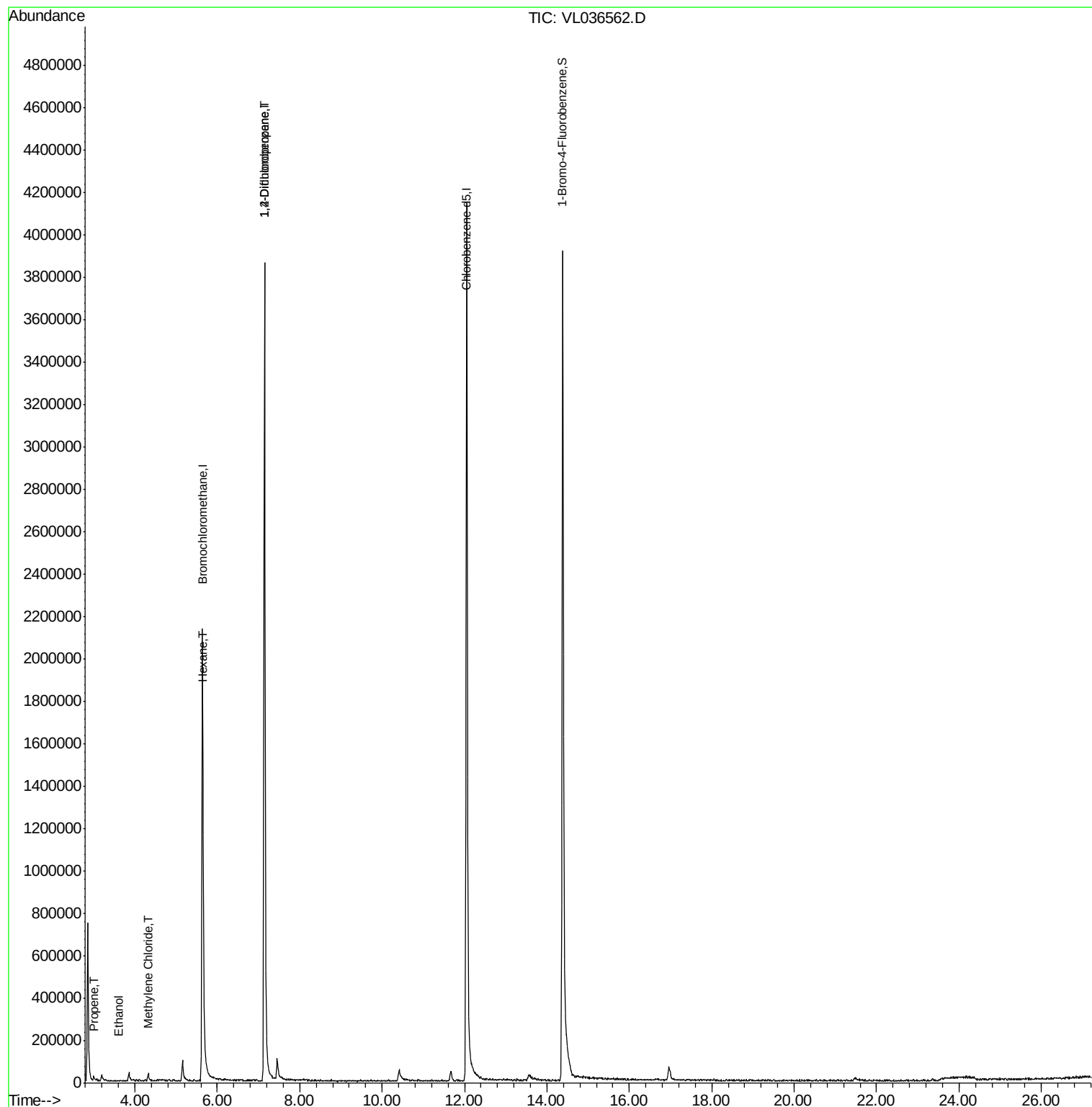
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1865	0.023	ppbv #	1
13) Ethanol	3.59	45	289	0.031	ppbv #	34
20) Methylene Chloride	4.32	84	2624	0.043	ppbv #	34
26) Hexane	5.66	57	2907	0.020	ppbv #	11
39) 1,2-Dichloropropane	7.14	63	854864	7.482	ppbv #	24

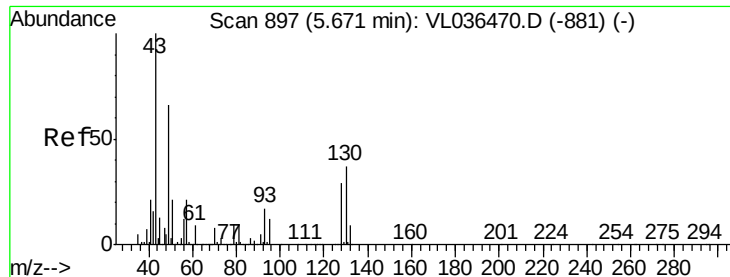
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.04 min

Lab File: VL036562.D

Acq: 30 Mar 2021 9:35

Instrument :
MSVOA_L
ClientSampled :

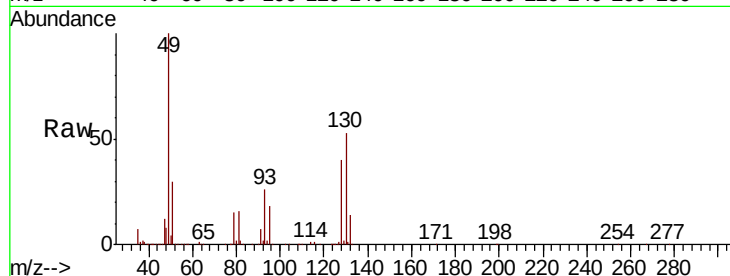
Tot Ion: 49 Resp: 1333184

Ion Ratio Lower Upper

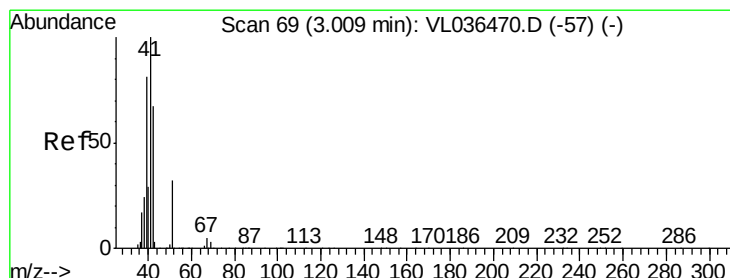
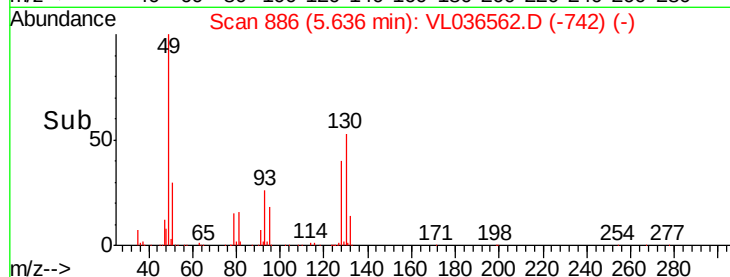
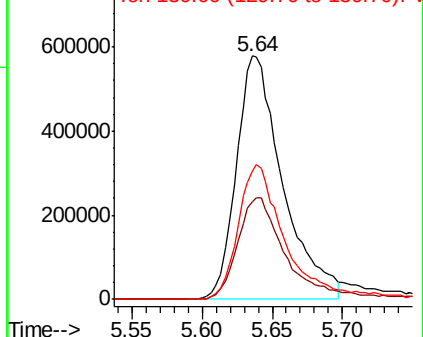
49 100

128 45.4 23.5 70.6

130 57.9 29.1 87.4



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: 0.023 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036562.D

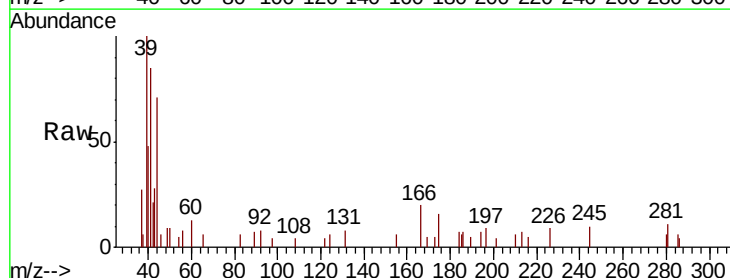
Acq: 30 Mar 2021 9:35

Tgt Ion: 41 Resp: 1865

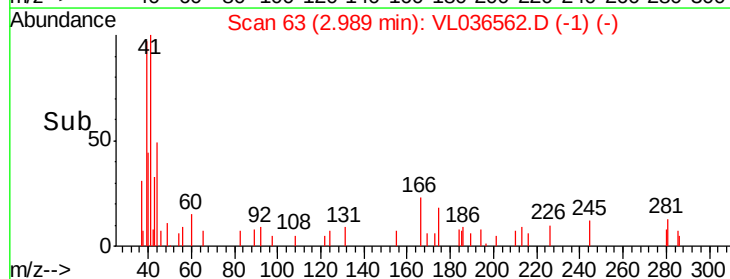
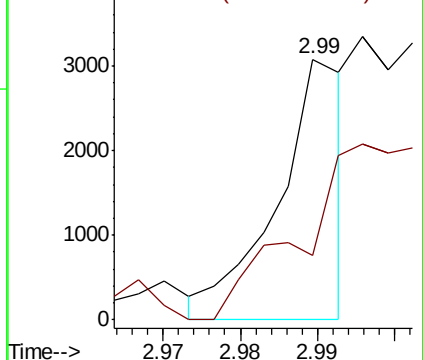
Ion Ratio Lower Upper

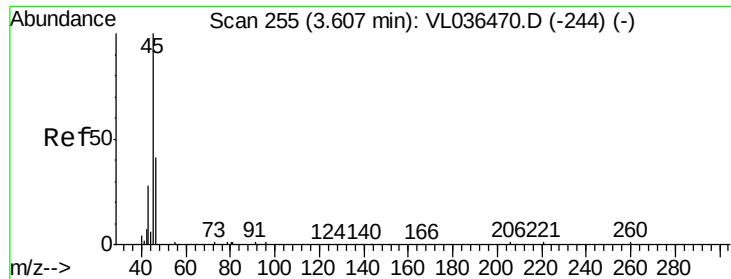
41 100

42 278.8 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

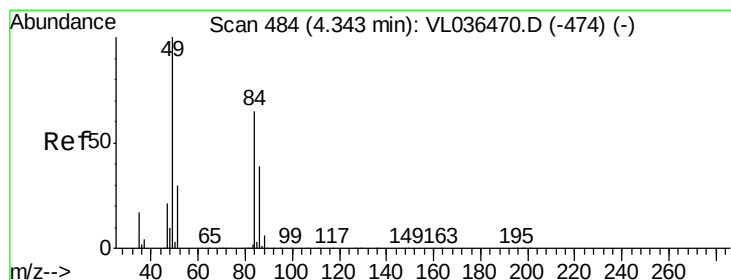
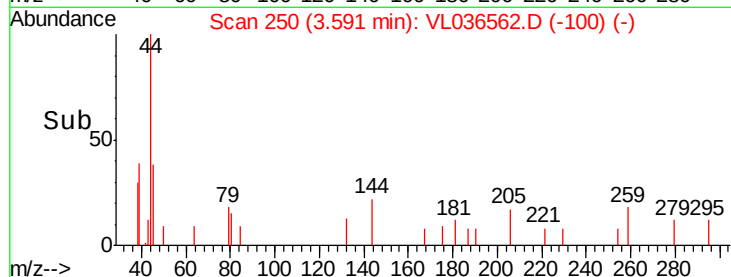
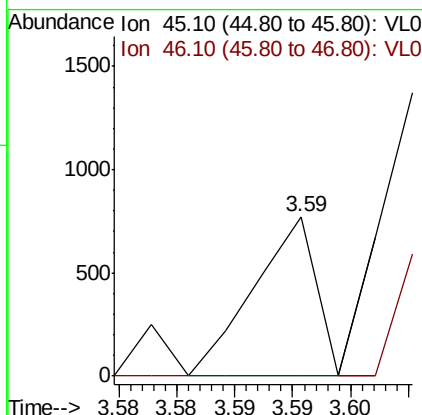
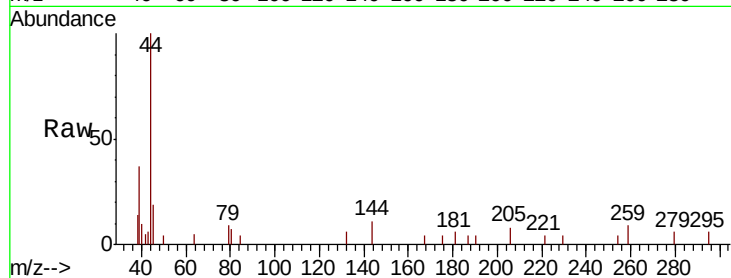




#13
Ethanol
Concen: 0.031 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036562.D
Acq: 30 Mar 2021 9:35

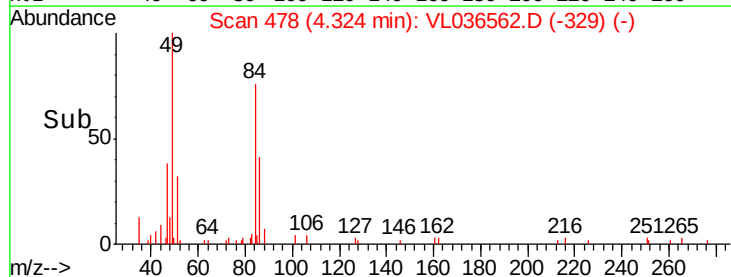
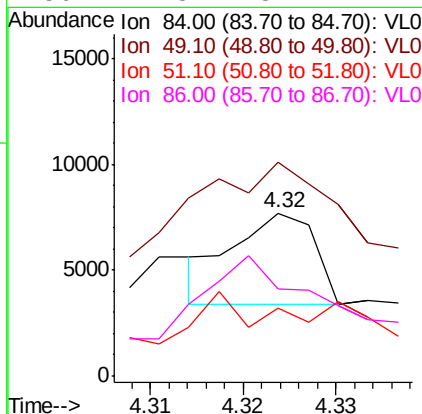
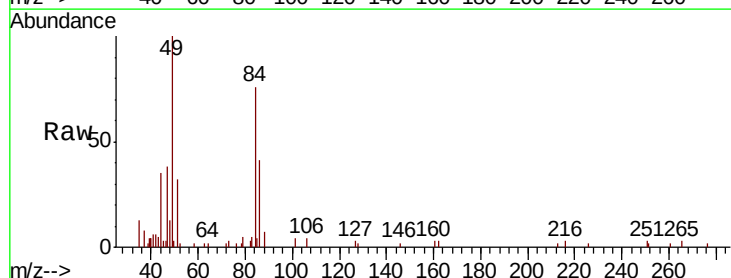
Instrument :
MSVOA_L
ClientSampleId :

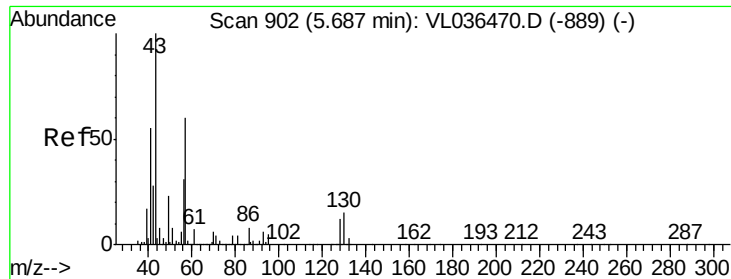
Tot Ion: 45 Resp: 289
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#20
Methylene Chloride
Concen: 0.043 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036562.D
Acq: 30 Mar 2021 9:35

Tgt Ion: 84 Resp: 2624
Ion Ratio Lower Upper
84 100
49 52.5 122.9 184.3#
51 21.9 36.9 55.3#
86 17.8 48.2 72.4#

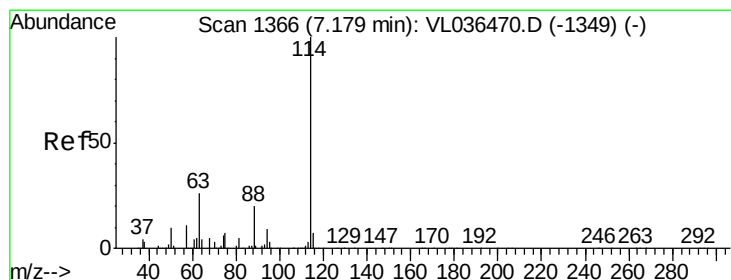
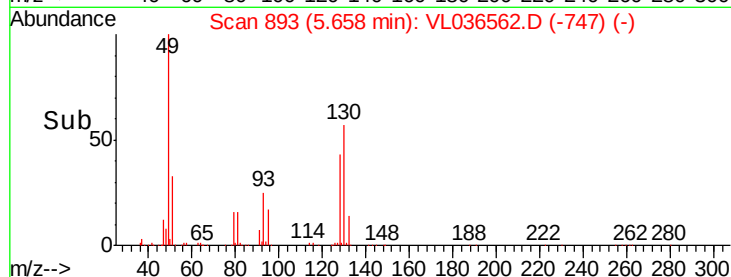
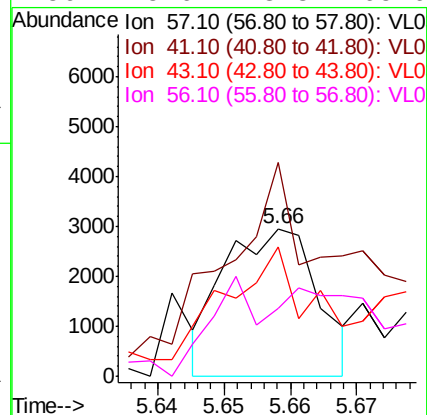
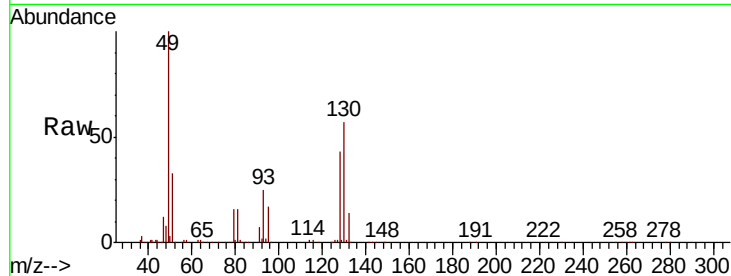




#26
Hexane
Concen: 0.020 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036562.D
Acq: 30 Mar 2021 9:35

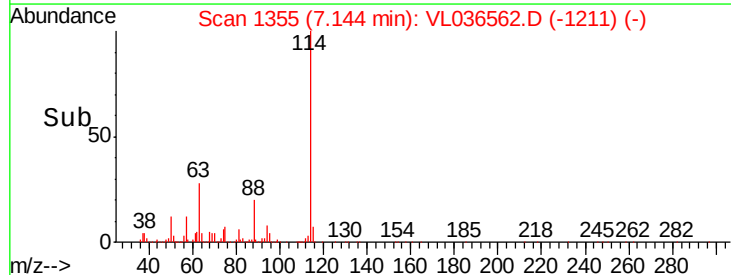
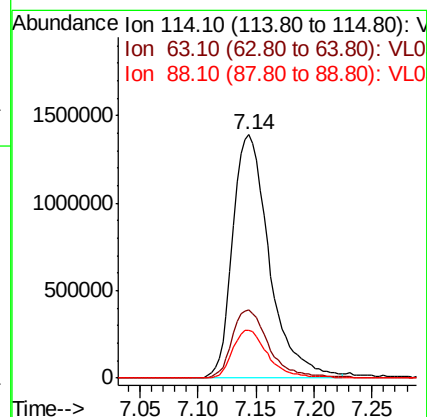
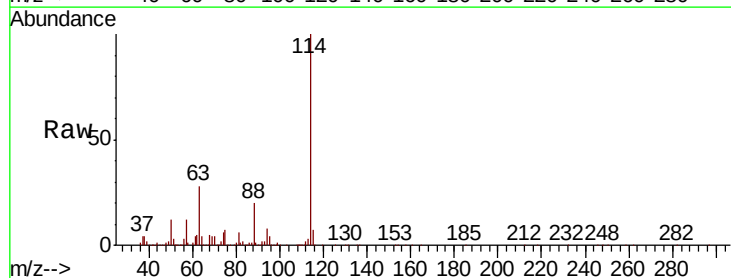
Instrument :
MSVOA_L
ClientSampled :

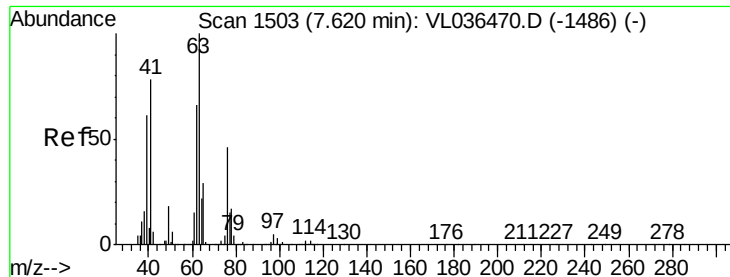
Tot Ion: 57 Resp: 2907
Ion Ratio Lower Upper
57 100
41 293.7 77.2 115.8#
43 159.5 173.8 260.6#
56 125.6 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL036562.D
Acq: 30 Mar 2021 9:35

Tgt Ion: 114 Resp: 3053895
Ion Ratio Lower Upper
114 100
63 28.8 22.4 33.6
88 19.5 15.4 23.0





#39

1,2-Dichloropropane

Concen: 7.482 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.48 min

Lab File: VL036562.D

Acq: 30 Mar 2021 9:35

Instrument :

MSVOA_L

ClientSampled :

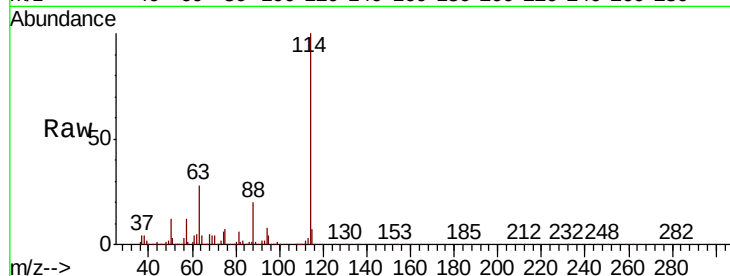
Tot Ion: 63 Resp: 854864

Ion Ratio Lower Upper

63 100

41 0.1 62.4 93.6#

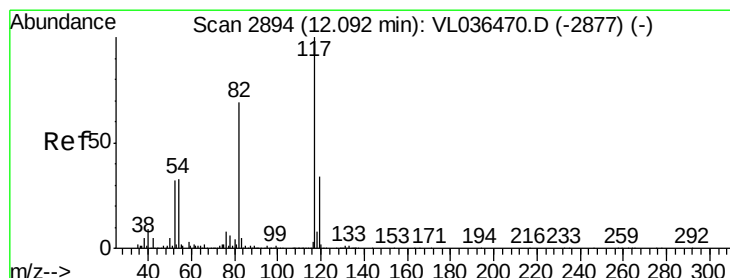
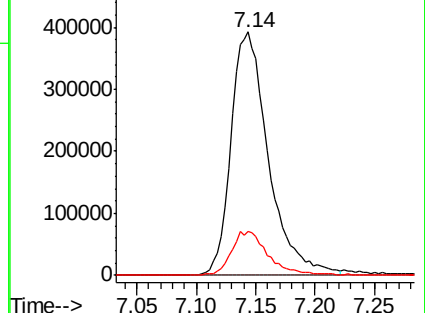
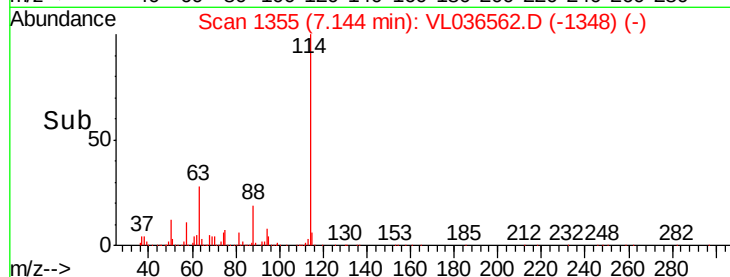
62 18.1 52.8 79.2#



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: 12.05 min Scan# 2881

Delta R.T. -0.04 min

Lab File: VL036562.D

Acq: 30 Mar 2021 9:35

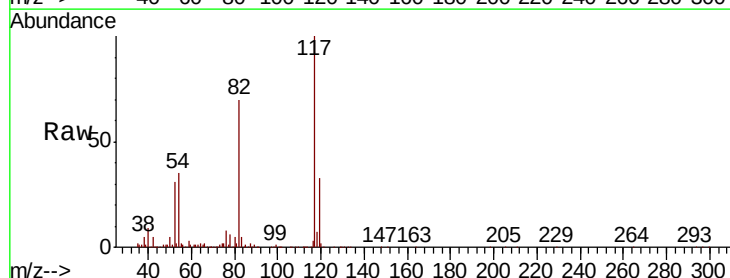
Tgt Ion: 117 Resp: 2723763

Ion Ratio Lower Upper

117 100

82 72.1 57.4 86.0

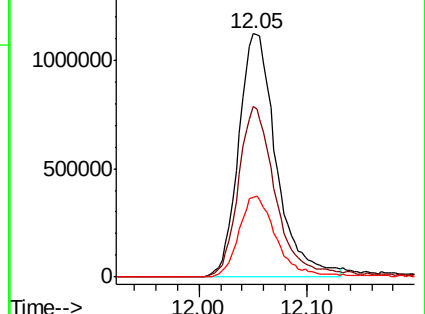
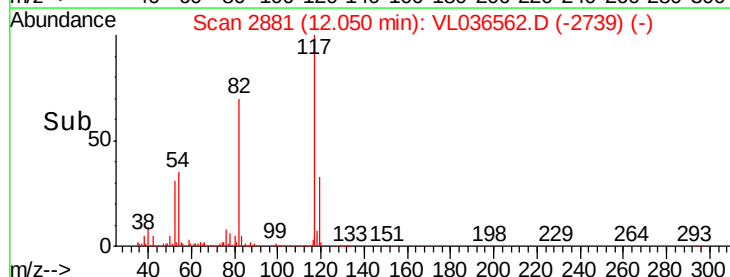
119 33.9 47.4 71.0#

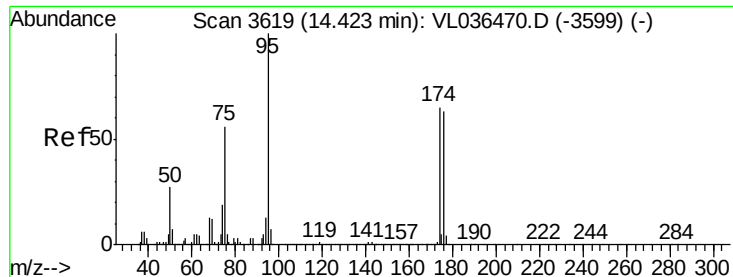


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.025 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.04 min

Lab File: VL036562.D

Acq: 30 Mar 2021 9:35

Instrument :

MSVOA_L

ClientSampleId :

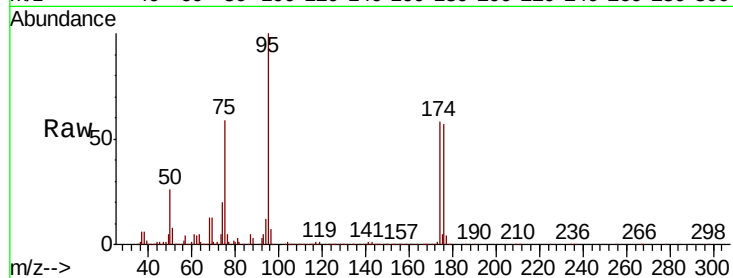
Tot Ion: 95 Resp: 2176226

Ion Ratio Lower Upper

95 100

174 66.0 51.0 76.6

175 4.7 3.9 5.9



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

