

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036252.D
 Acq On : 20 Jan 2021 18:32
 Operator : SY/AP
 Sample : M1171-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Jan 21 01:36:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1418809	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2988336	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2709664	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2157197	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

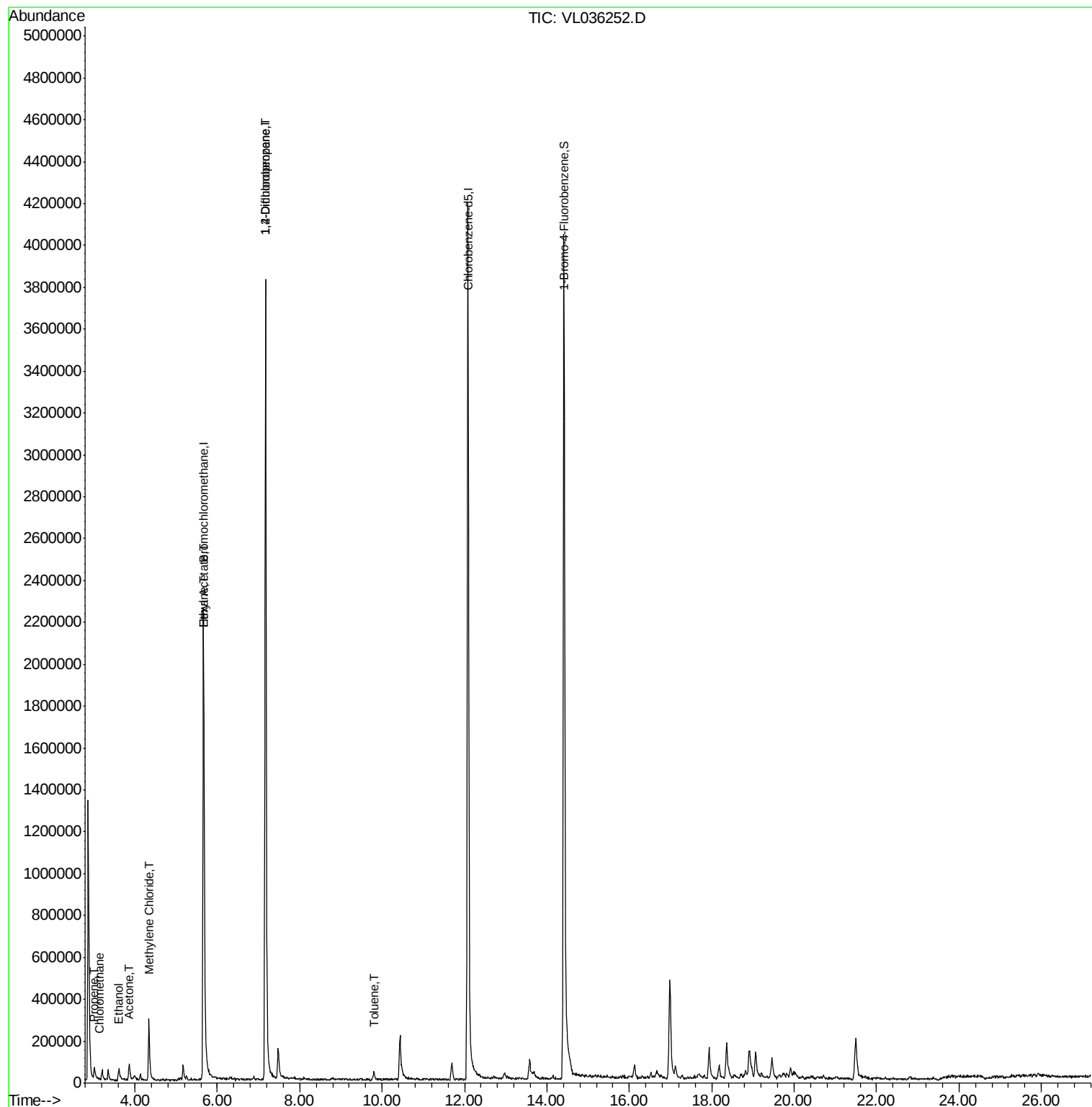
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	2747	0.032	ppbv #	54
9) Propene	3.01	41	15803	0.190	ppbv	98
13) Ethanol	3.60	45	21430	1.645	ppbv #	29
15) Acetone	3.85	43	42386	0.244	ppbv #	49
20) Methylene Chloride	4.34	84	108970	1.965	ppbv	94
25) Ethyl Acetate	5.68	43	80143	0.230	ppbv #	77
26) Hexane	5.68	57	102828	0.708	ppbv #	37
39) 1,2-Dichloropropane	7.17	63	891032	8.015	ppbv #	22
53) Toluene	9.81	91	21357	0.070	ppbv #	65

(#) = 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# 894

Delta R.T. -0.00 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Instrument :

MSVOA_L

ClientSampled :

IA-3DL

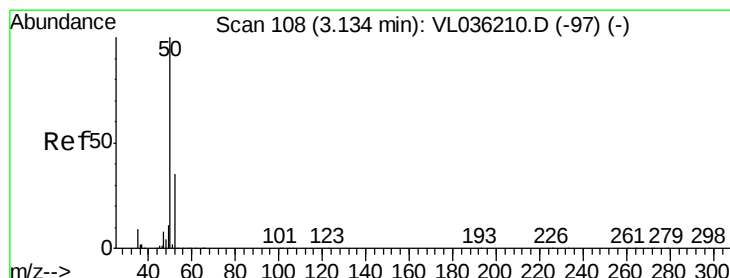
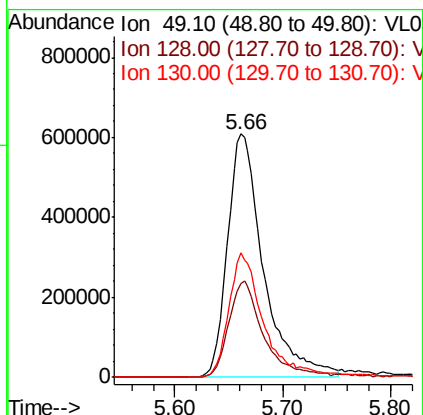
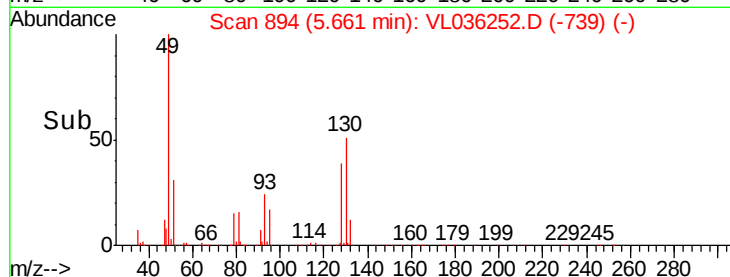
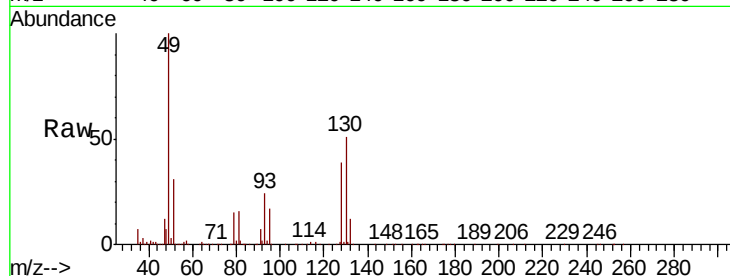
Tot Ion: 49 Resp: 1418809

Ion Ratio Lower Upper

49 100

128 39.4 20.1 60.2

130 51.2 25.3 75.9



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL036252.D

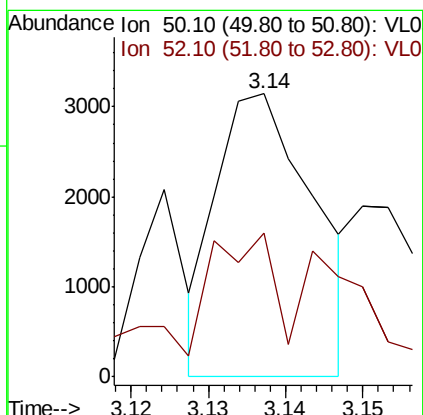
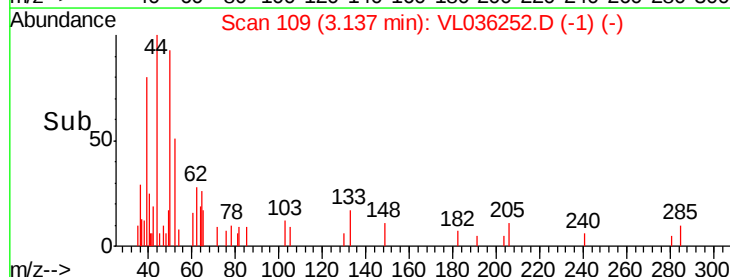
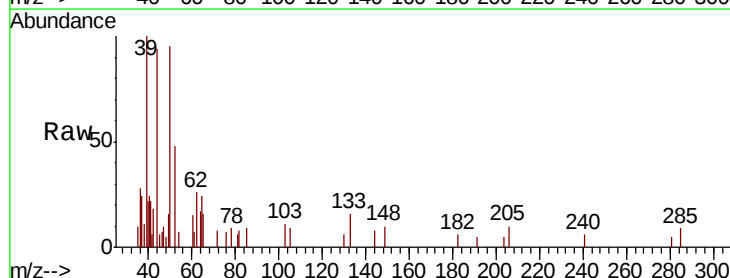
Acq: 20 Jan 2021 18:32

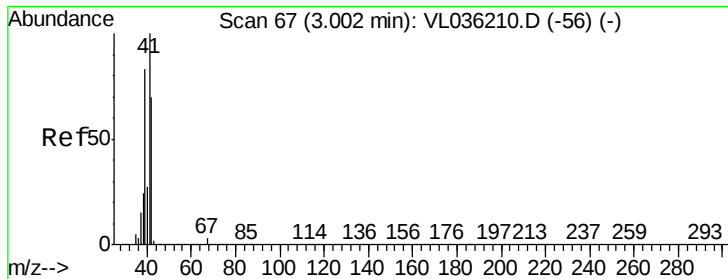
Tgt Ion: 50 Resp: 2747

Ion Ratio Lower Upper

50 100

52 61.7 27.8 41.8#





#9

Propene

Concen: 0.190 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

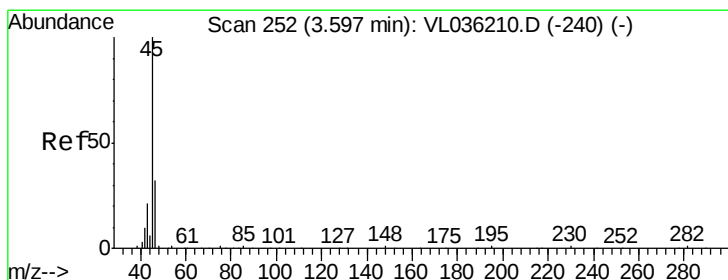
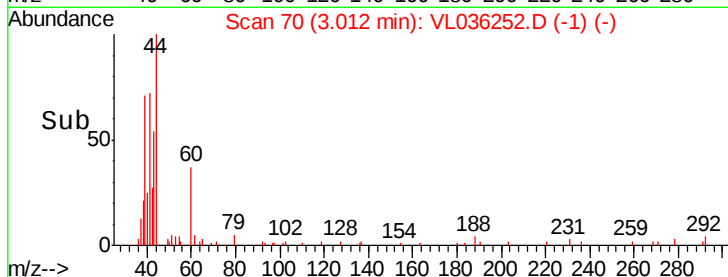
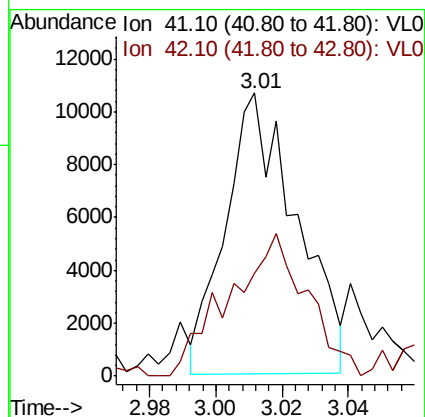
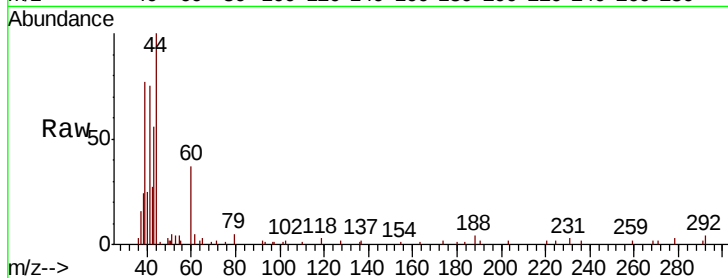
IA-3DL

Tot Ion: 41 Resp: 15803

Ion Ratio Lower Upper

41 100

42 70.1 57.1 85.7



#13

Ethanol

Concen: 1.645 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036252.D

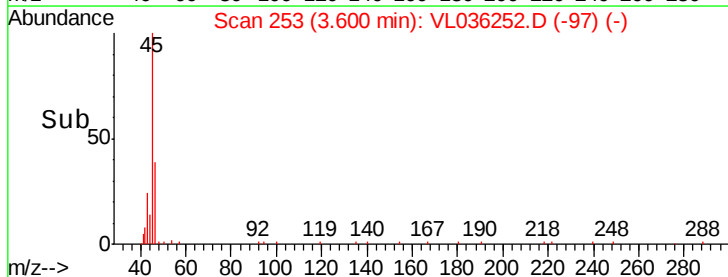
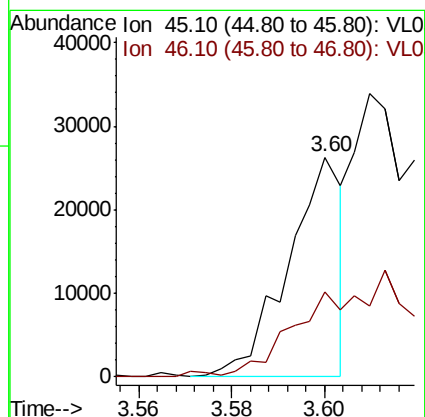
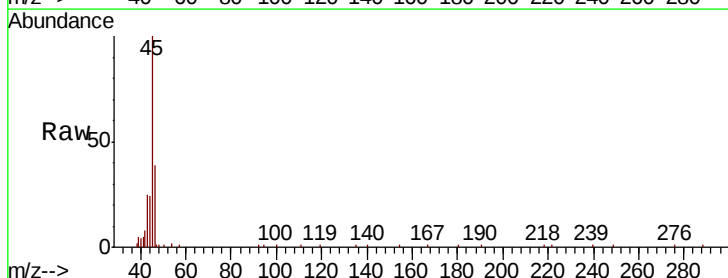
Acq: 20 Jan 2021 18:32

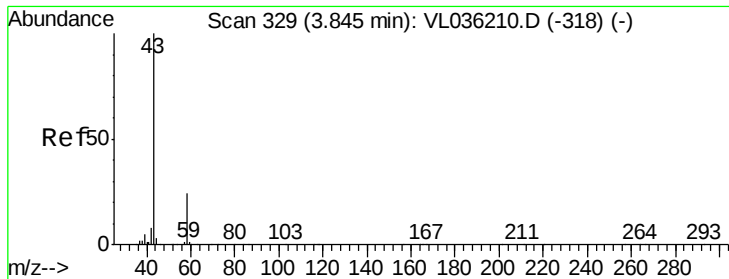
Tgt Ion: 45 Resp: 21430

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#

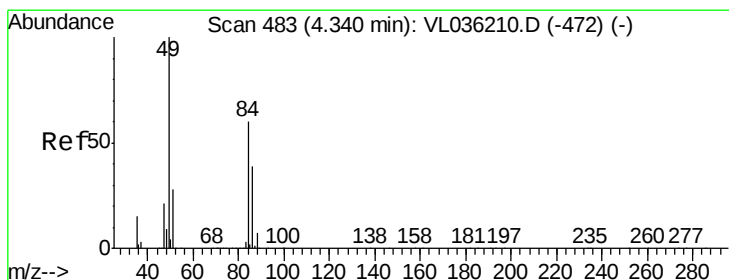
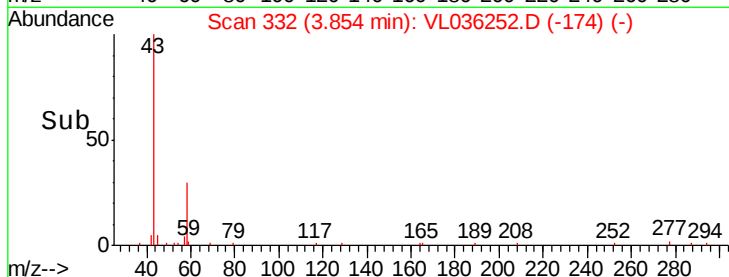
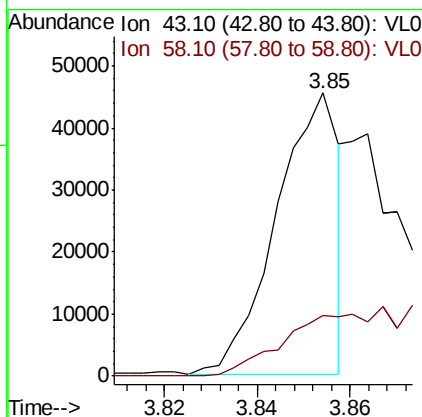
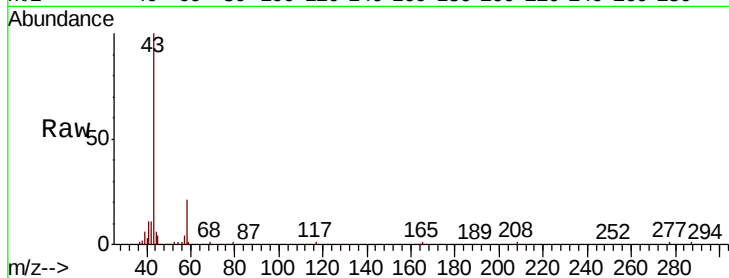




#15
Acetone
Concen: 0.244 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL036252.D
Acq: 20 Jan 2021 18:32

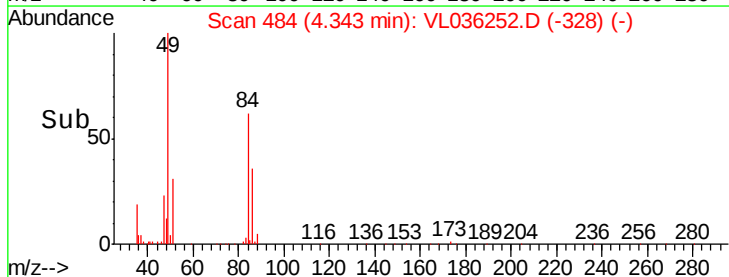
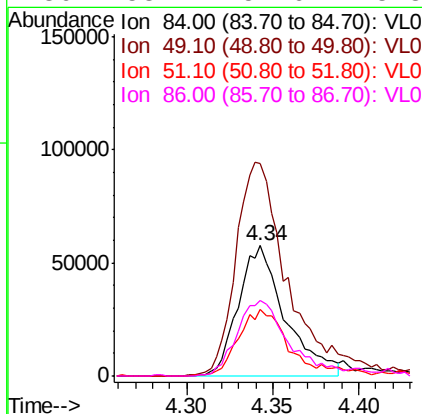
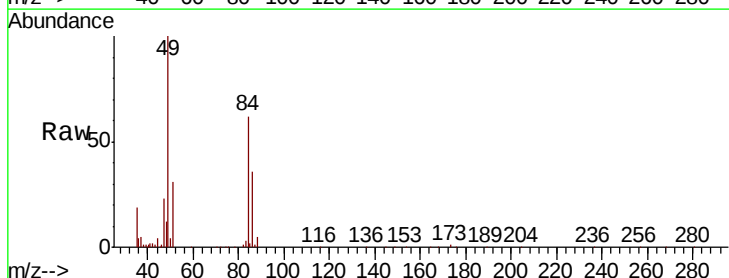
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

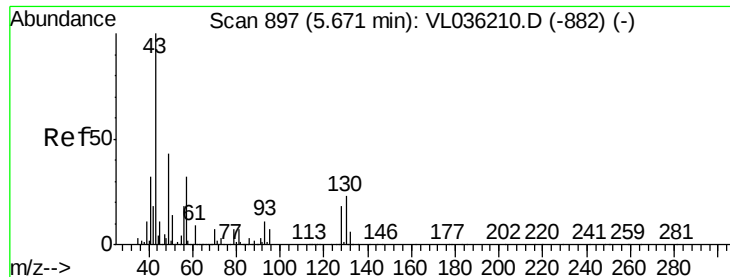
Tot Ion: 43 Resp: 42386
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 1.965 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036252.D
Acq: 20 Jan 2021 18:32

Tgt Ion: 84 Resp: 108970
Ion Ratio Lower Upper
84 100
49 161.9 134.1 201.1
51 51.2 37.4 56.0
86 58.1 52.6 78.8





#25

Ethyl Acetate

Concen: 0.230 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

Tot Ion: 43 Resp: 80143

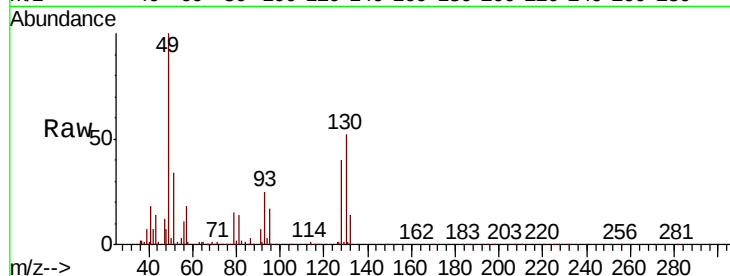
Ion Ratio Lower Upper

43 100

45 1.8 8.3 12.5#

61 0.3 7.4 11.2#

70 0.2 5.5 8.3#

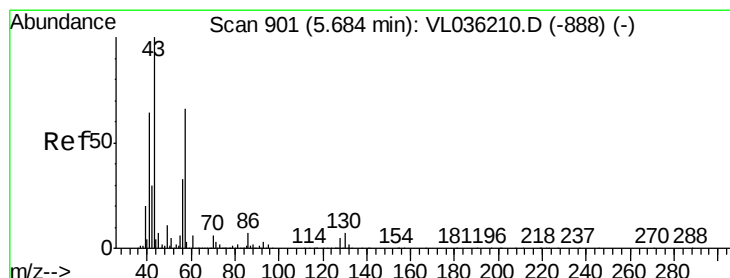
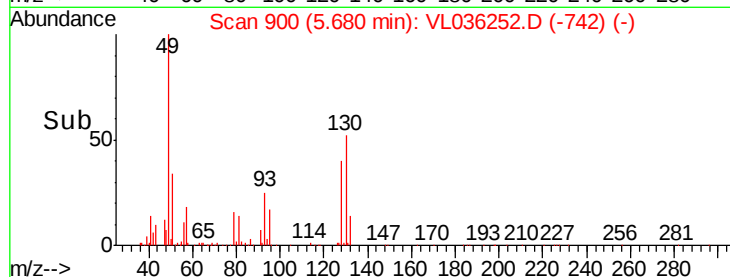
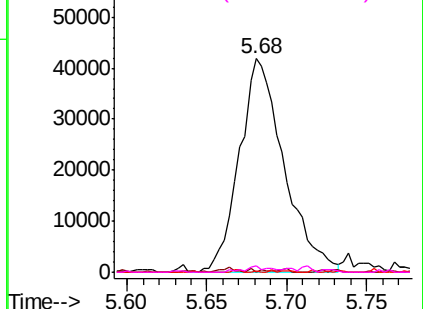


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.708 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Tgt Ion: 57 Resp: 102828

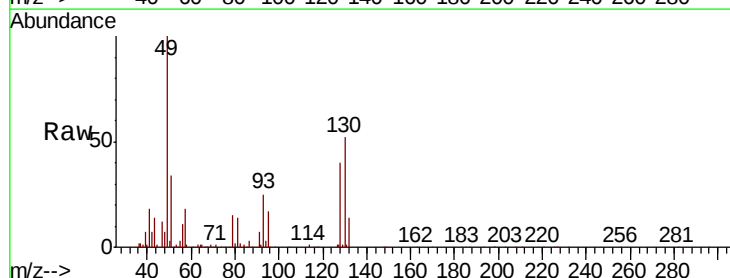
Ion Ratio Lower Upper

57 100

41 109.1 83.0 124.6

43 80.2 202.4 303.6#

56 58.7 43.4 65.0

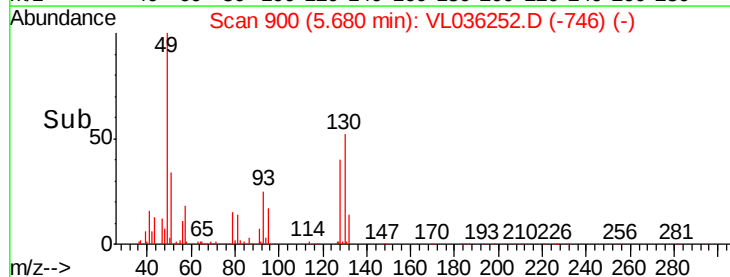
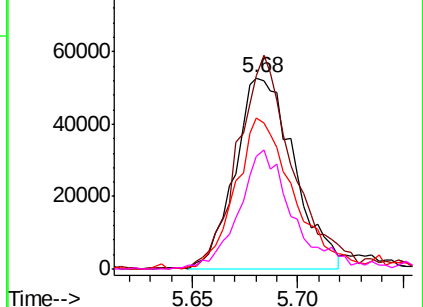


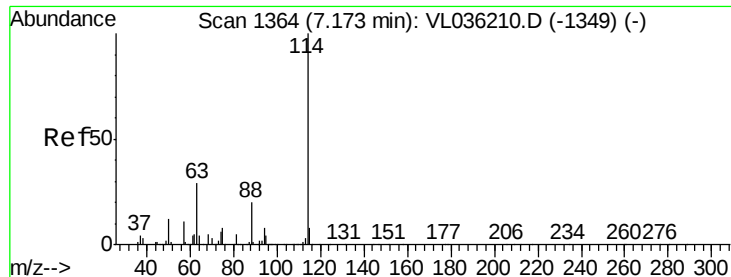
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

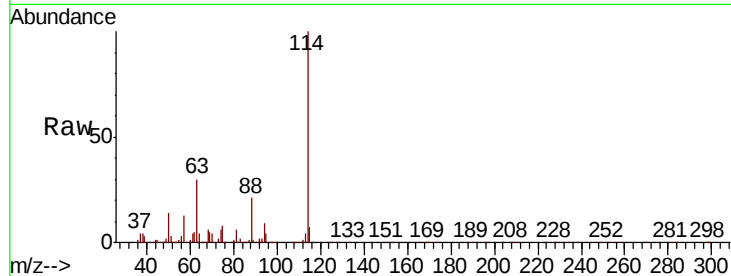




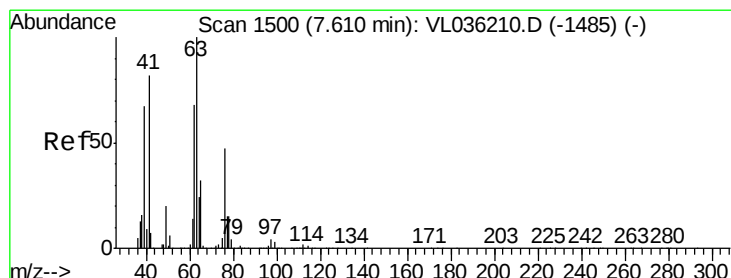
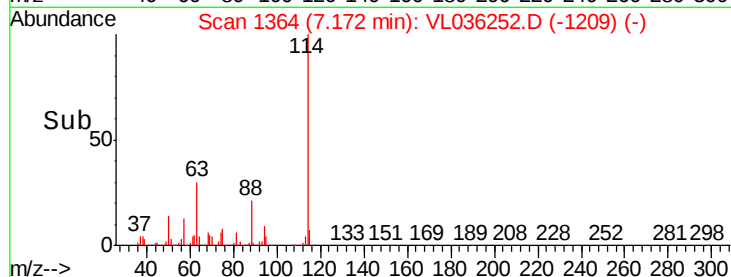
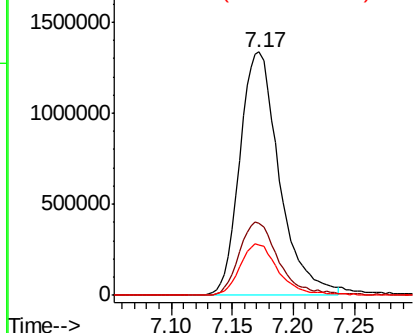
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL036252.D
 Acq: 20 Jan 2021 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Tot Ion:114 Resp: 2988336
 Ion Ratio Lower Upper
 114 100
 63 30.7 24.7 37.1
 88 21.0 16.6 24.8

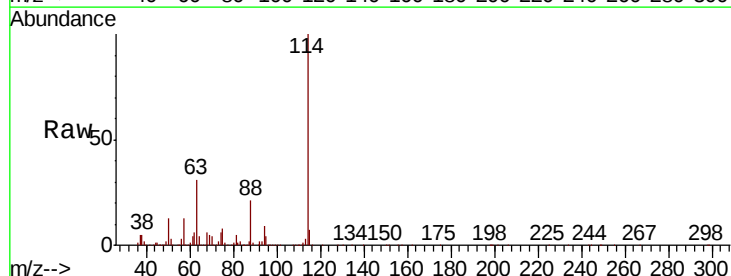


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

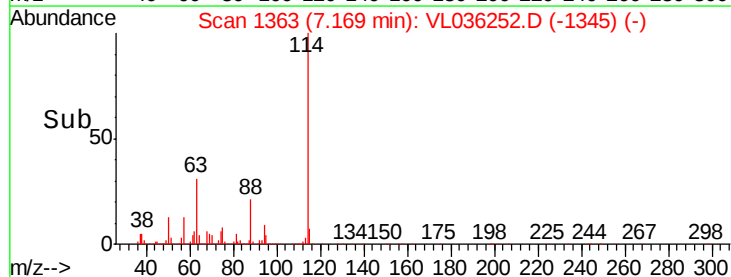
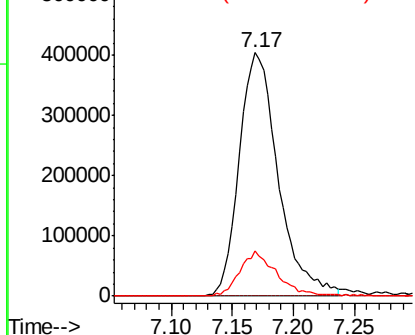


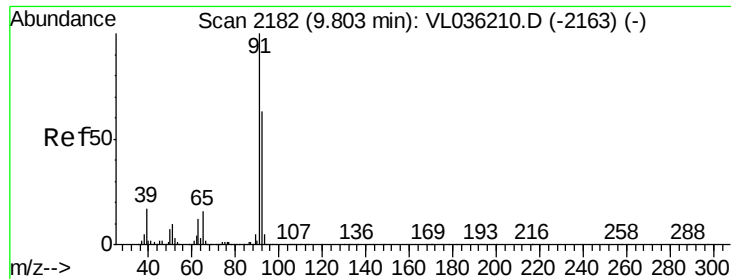
#39
 1,2-Dichloropropane
 Concen: 8.015 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL036252.D
 Acq: 20 Jan 2021 18:32

Tgt Ion: 63 Resp: 891032
 Ion Ratio Lower Upper
 63 100
 41 0.2 66.1 99.1#
 62 18.3 54.8 82.2#



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





#53

Toluene

Concen: 0.070 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

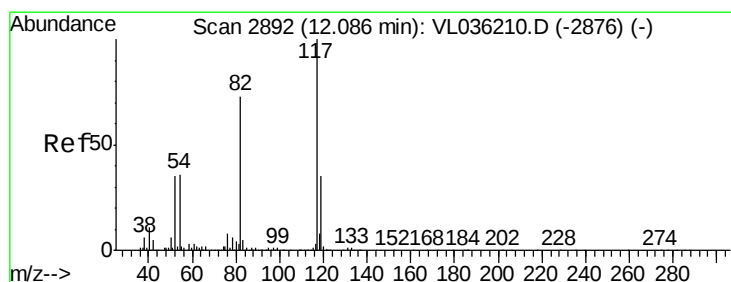
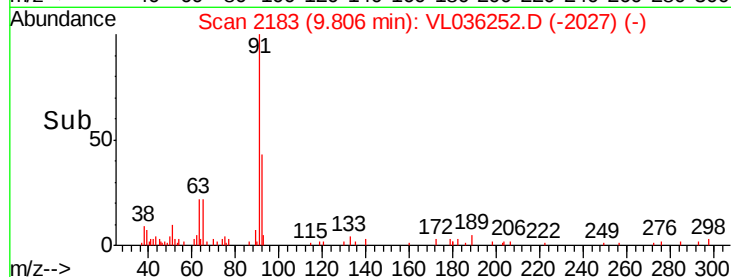
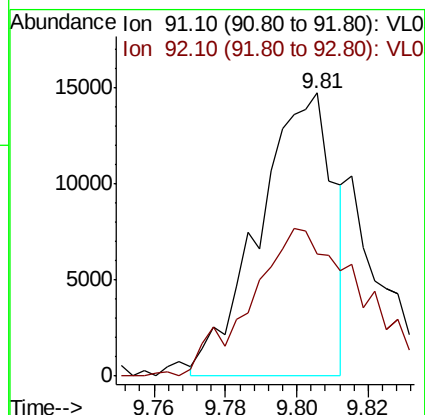
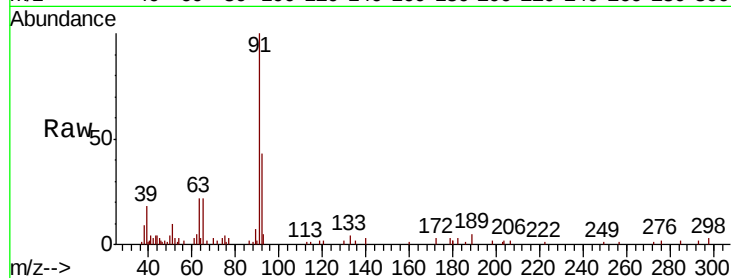
IA-3DL

Tot Ion: 91 Resp: 21357

Ion Ratio Lower Upper

91 100

92 86.9 48.5 72.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

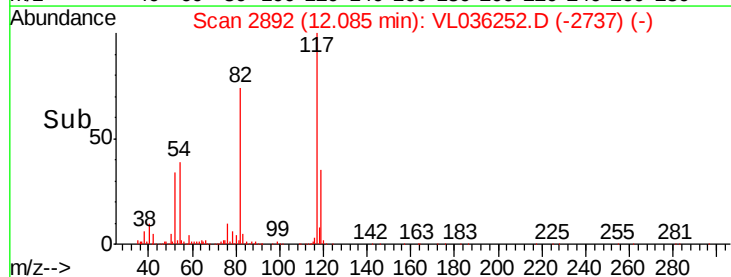
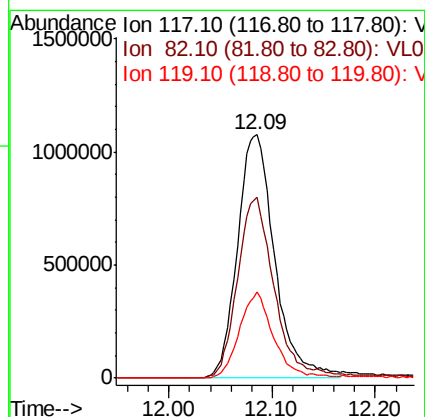
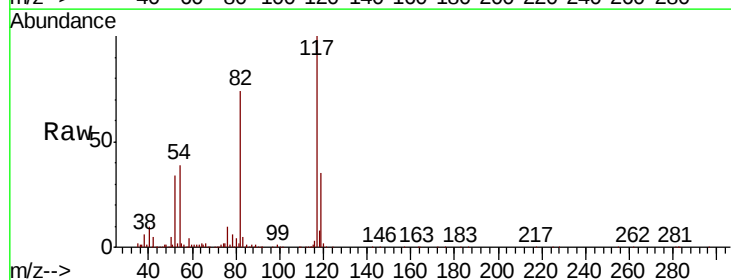
Tgt Ion: 117 Resp: 2709664

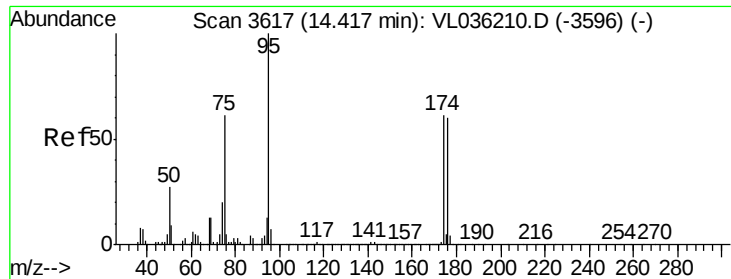
Ion Ratio Lower Upper

117 100

82 76.5 59.7 89.5

119 33.5 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.618 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.00 min

Lab File: VL036252.D

Acq: 20 Jan 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

Tot Ion: 95 Resp: 2157197

Ion Ratio Lower Upper

95 100

174 63.0 49.4 74.0

175 4.8 3.8 5.8

