

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036401.D
 Acq On : 26 Feb 2021 14:10
 Operator : SY/AP
 Sample : M1502-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:16:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1480740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3189696	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	2917159	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2262178	9.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

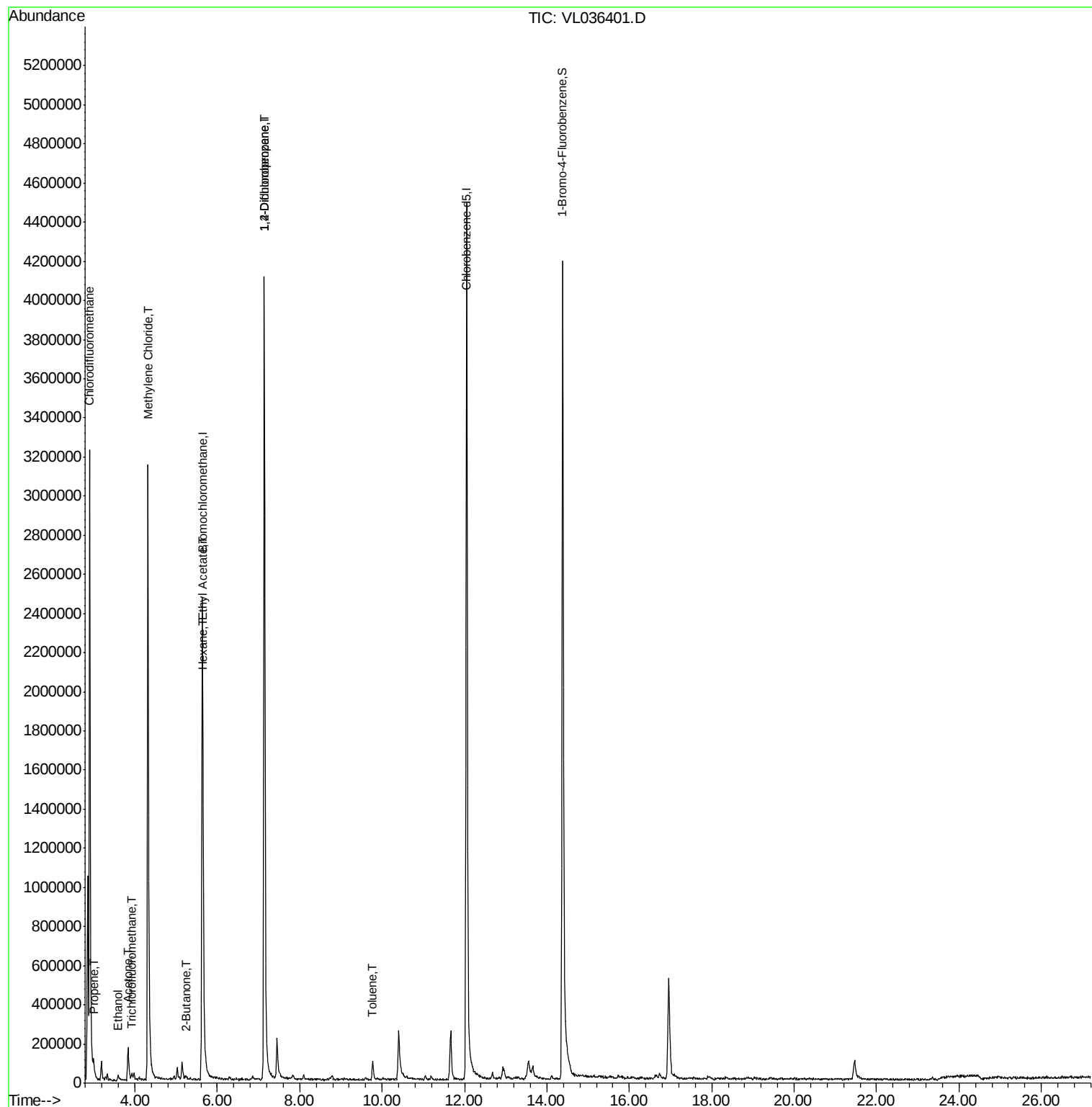
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.90	51	440713	2.395	ppbv #	59
9) Propene	2.99	41	14423	0.210	ppbv #	58
11) Trichlorofluoromethane	3.92	101	16541	0.076	ppbv	99
13) Ethanol	3.60	45	20016	1.554	ppbv	88
15) Acetone	3.83	43	184927	1.022	ppbv #	73
20) Methylene Chloride	4.32	84	1257637	21.537	ppbv	98
25) Ethyl Acetate	5.65	43	106668	0.305	ppbv #	80
26) Hexane	5.66	57	83891	0.584	ppbv #	29
34) 2-Butanone	5.23	43	15578	0.074	ppbv #	37
39) 1,2-Dichloropropane	7.14	63	919239	8.352	ppbv #	23
53) Toluene	9.77	91	39328	0.134	ppbv #	45

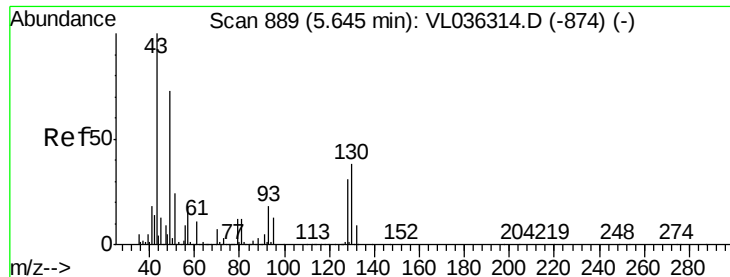
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
ClientSampleId :

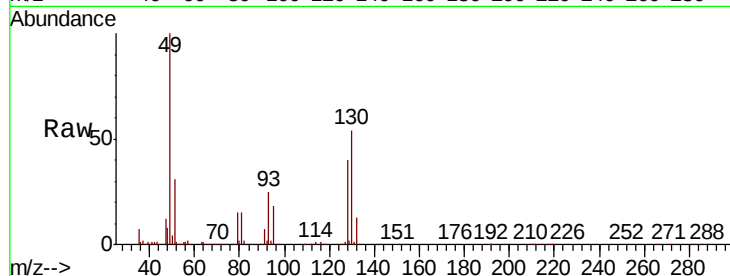
Tot Ion: 49 Resp: 1480740

Ion Ratio Lower Upper

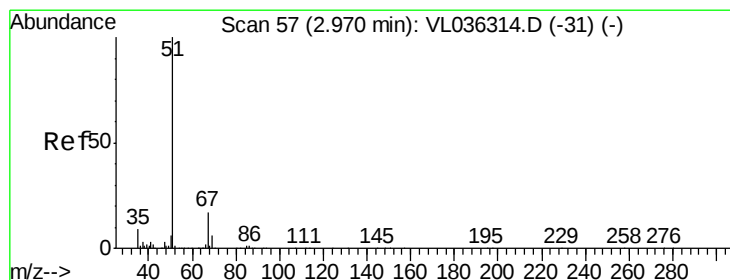
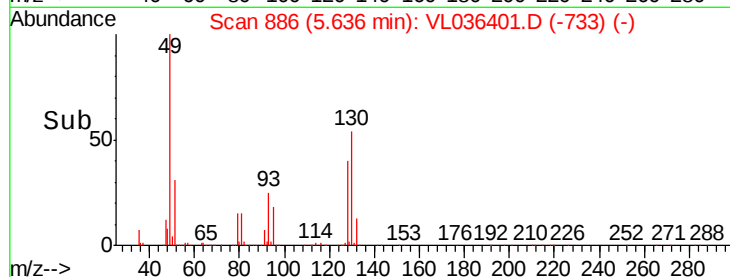
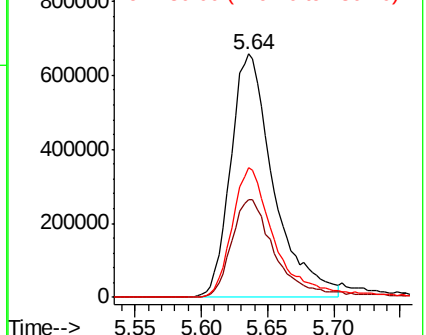
49 100

128 42.6 20.8 62.5

130 54.6 26.7 80.1



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



#3

Chlorodifluoromethane

Concen: 2.395 ppbv

RT: 2.90 min Scan# 34

Delta R.T. -0.07 min

Lab File: VL036401.D

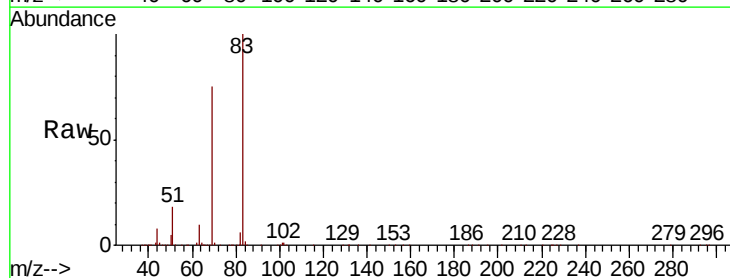
Acq: 26 Feb 2021 14:10

Tgt Ion: 51 Resp: 440713

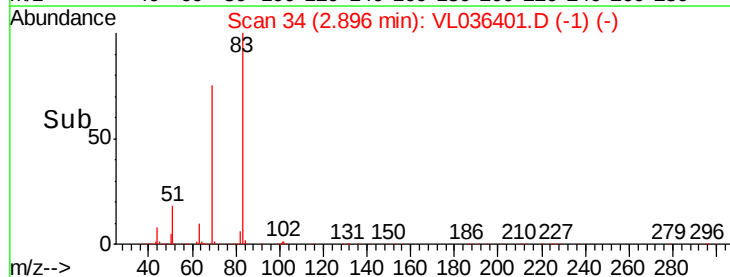
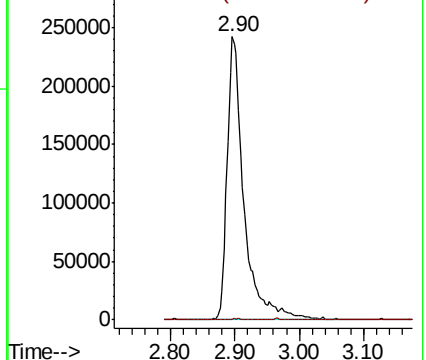
Ion Ratio Lower Upper

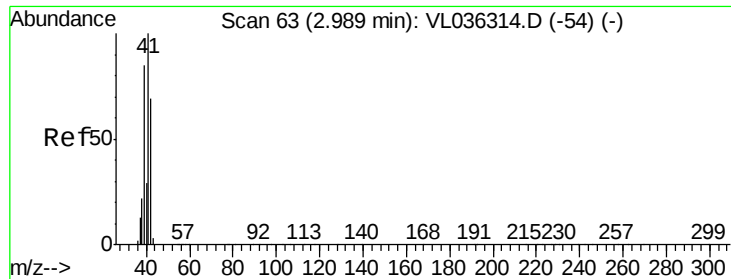
51 100

67 0.2 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.210 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

Instrument :

MSVOA_L

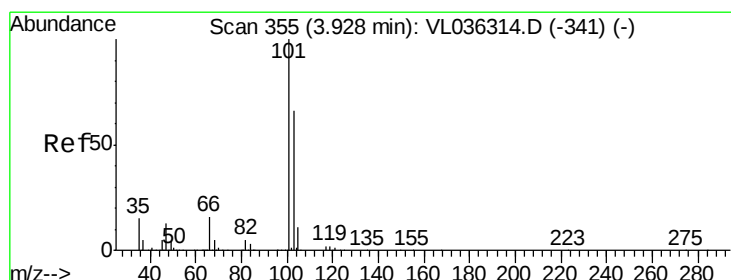
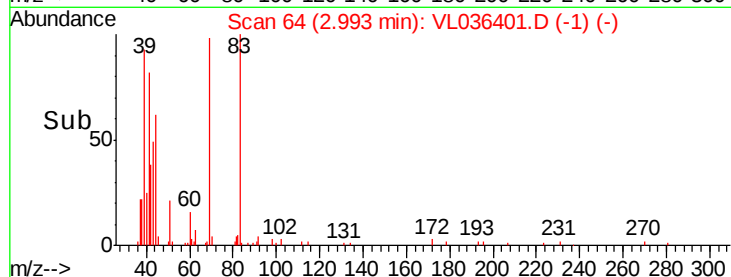
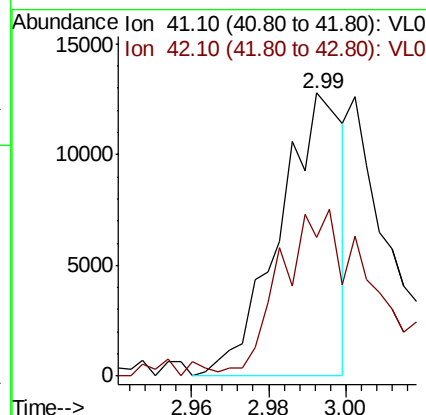
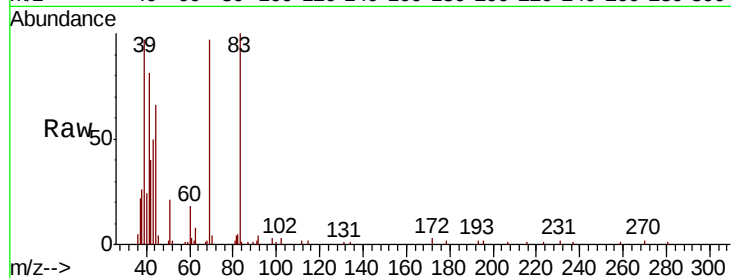
ClientSampled :

Tot Ion: 41 Resp: 14423

Ion Ratio Lower Upper

41 100

42 104.7 56.2 84.2#



#11

Trichlorofluoromethane

Concen: 0.076 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: VL036401.D

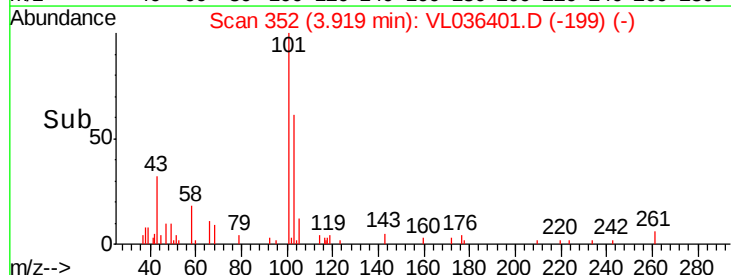
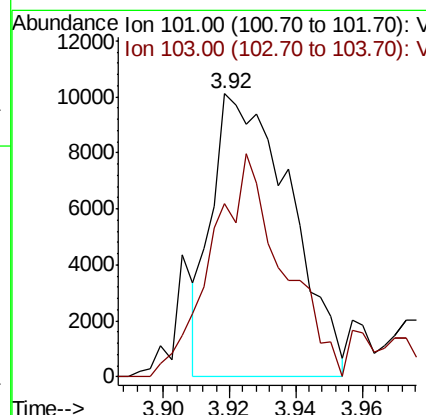
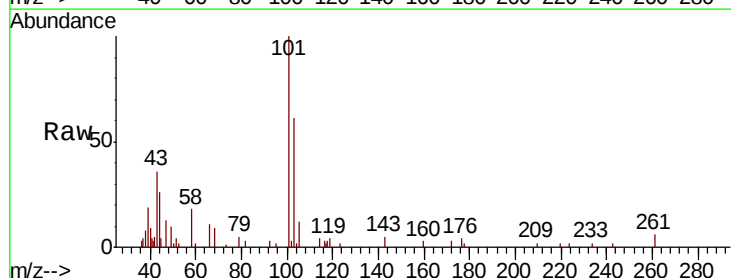
Acq: 26 Feb 2021 14:10

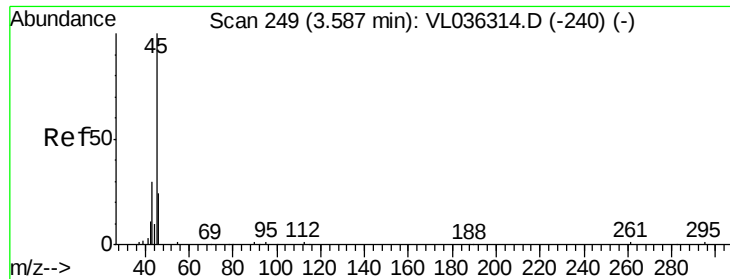
Tgt Ion: 101 Resp: 16541

Ion Ratio Lower Upper

101 100

103 65.7 52.9 79.3

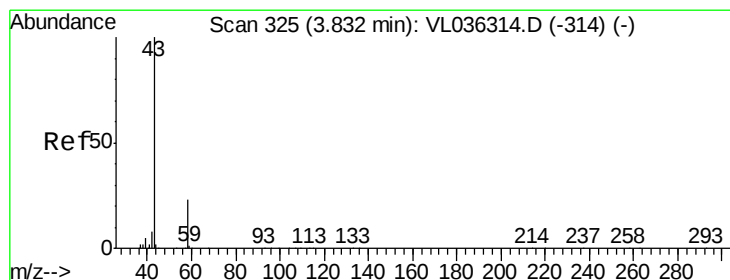
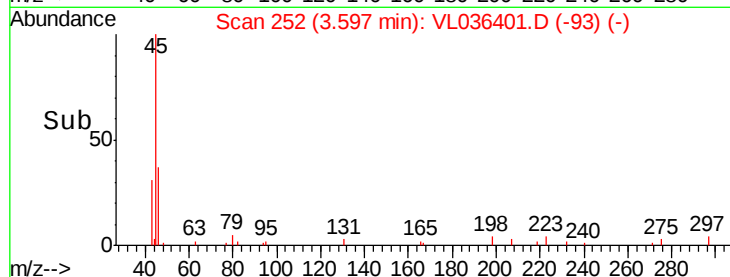
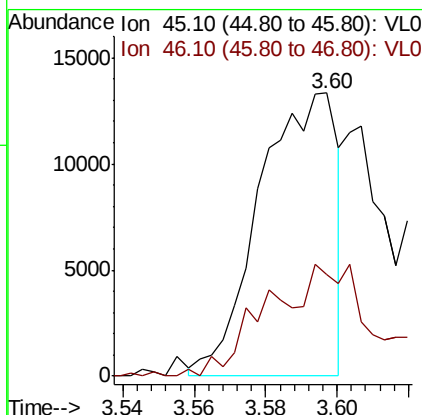
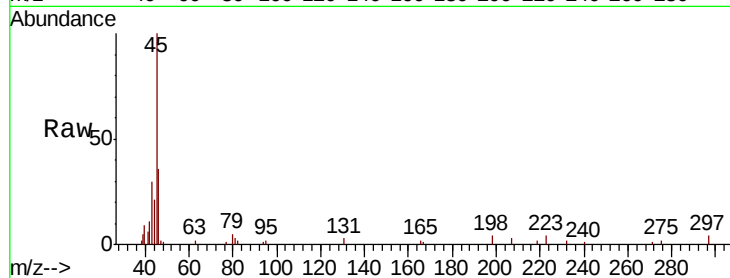




#13
Ethanol
Concen: 1.554 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

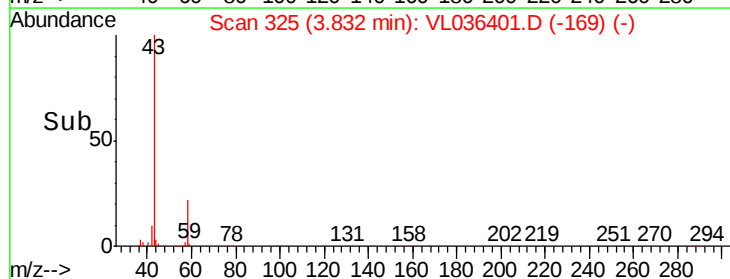
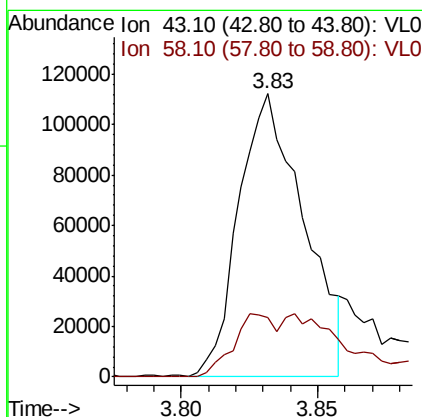
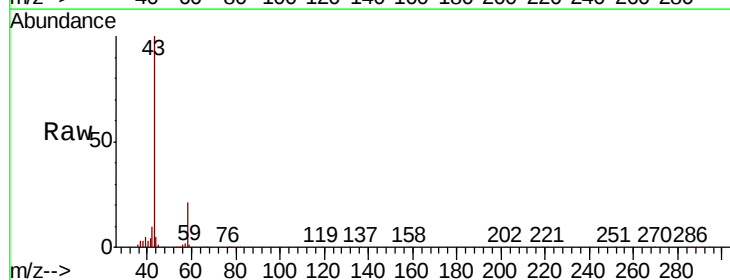
Instrument :
MSVOA_L
ClientSampleId :

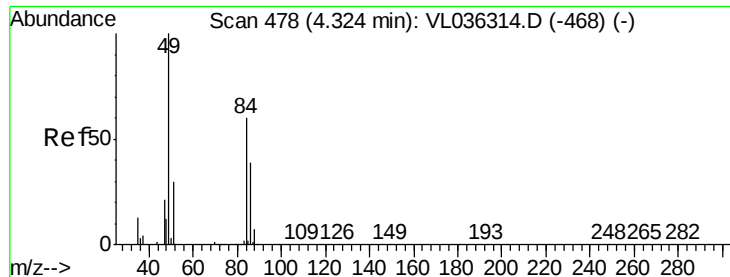
Tot Ion: 45 Resp: 20016
Ion Ratio Lower Upper
45 100
46 51.8 17.7 70.7



#15
Acetone
Concen: 1.022 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion: 43 Resp: 184927
Ion Ratio Lower Upper
43 100
58 38.8 20.3 30.5#

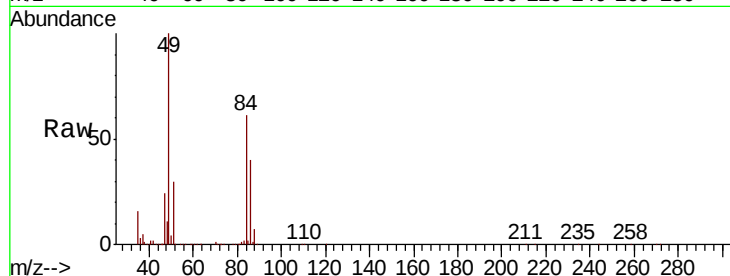




#20
Methvlene Chloride
Concen: 21.537 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	1257637
Ion	Ratio	Lower	Upper
84	100		
49	164.7	133.8	200.8
51	50.1	41.4	62.0
86	66.1	51.5	77.3



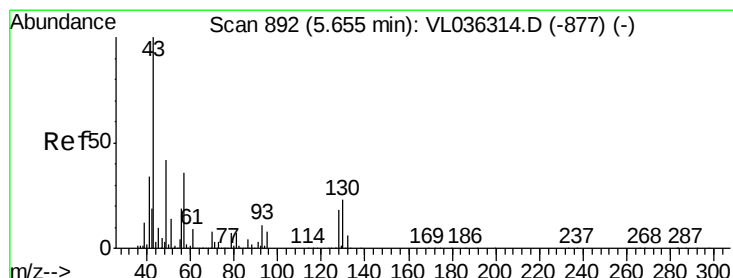
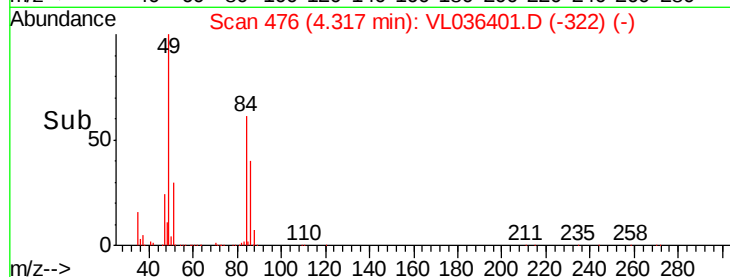
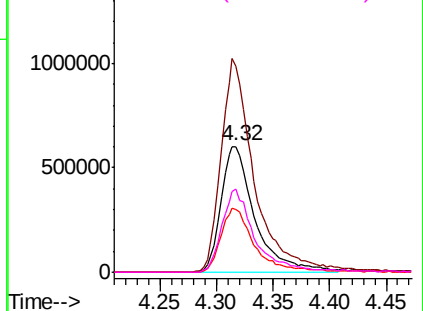
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

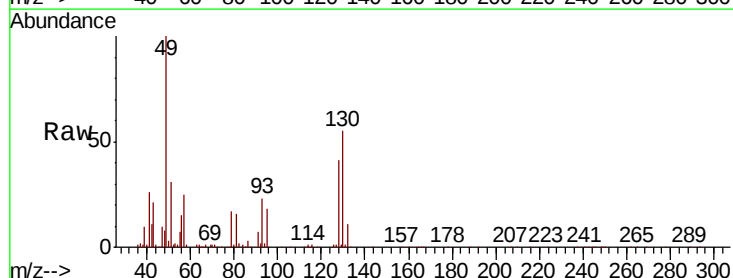
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.305 ppbv
RT: 5.65 min Scan# 892
Delta R.T. 0.00 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion:	43	Resp:	106668
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.3	12.5#
61	0.4	7.3	10.9#
70	2.5	5.4	8.0#



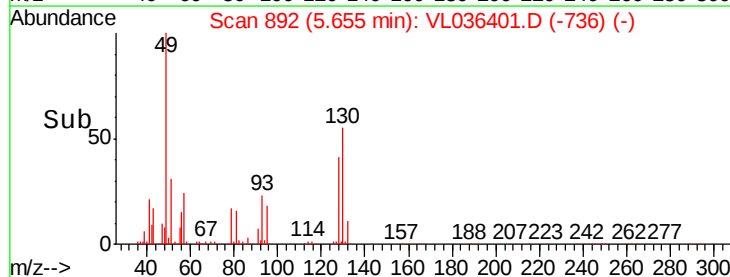
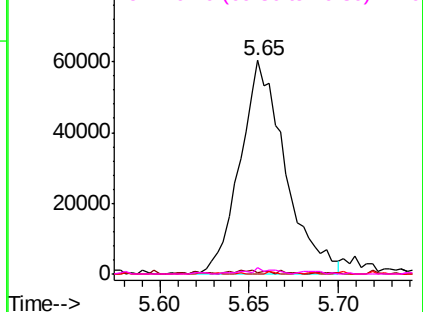
Abundance

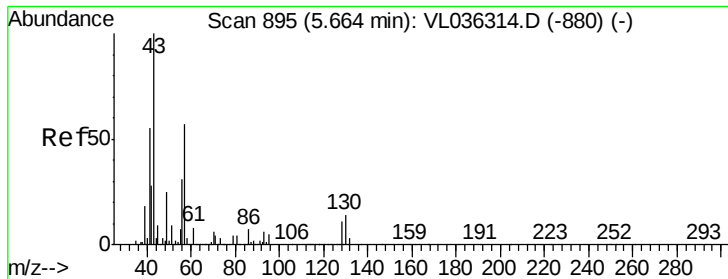
Ion 43.10 (42.80 to 43.80): VL0

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: 0.584 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 83891

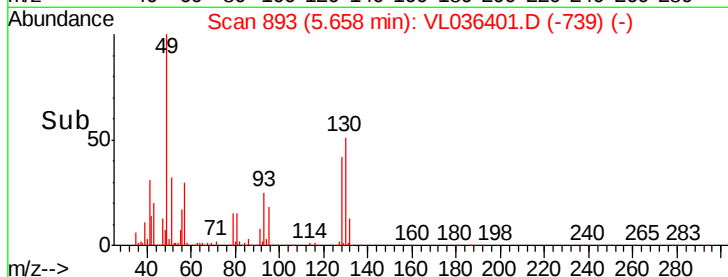
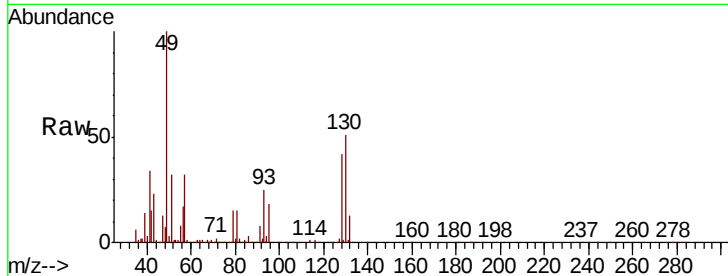
Ion Ratio Lower Upper

57 100

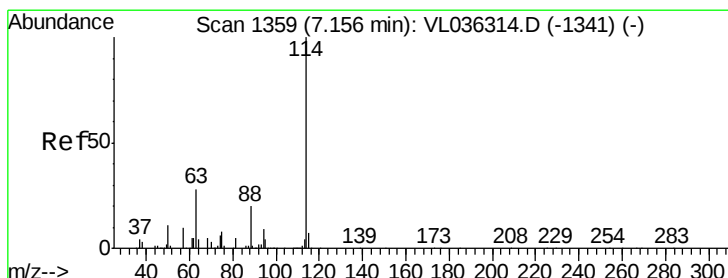
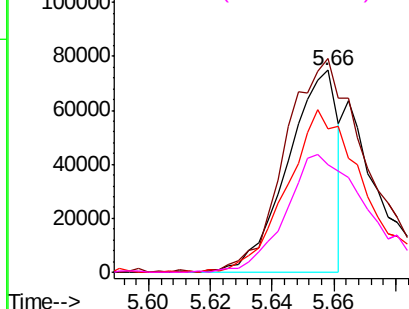
41 187.7 81.7 122.5#

43 134.2 199.1 298.7#

56 103.0 44.0 66.0#



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: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

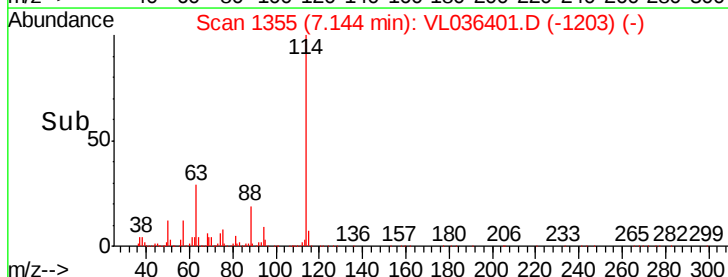
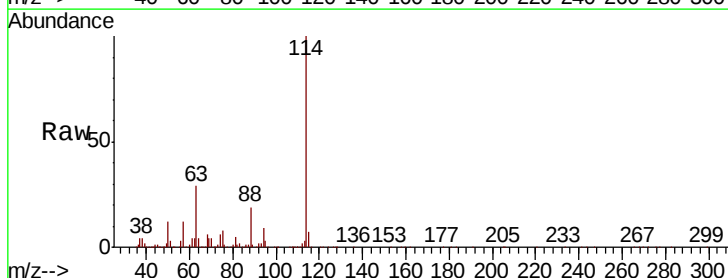
Tgt Ion: 114 Resp: 3189696

Ion Ratio Lower Upper

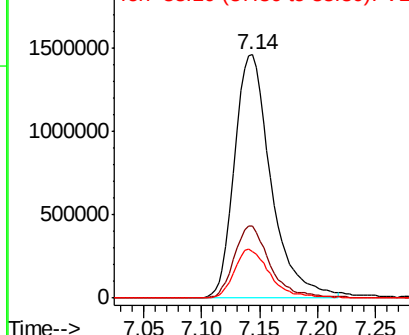
114 100

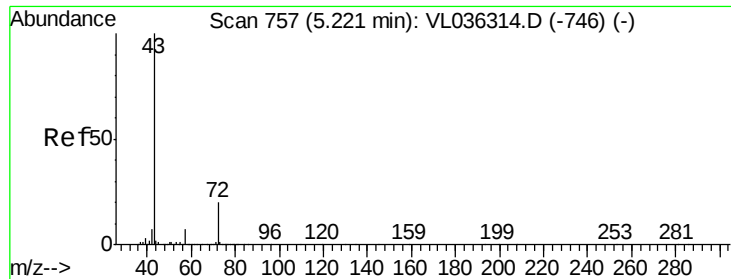
63 29.6 24.1 36.1

88 19.8 16.0 24.0



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

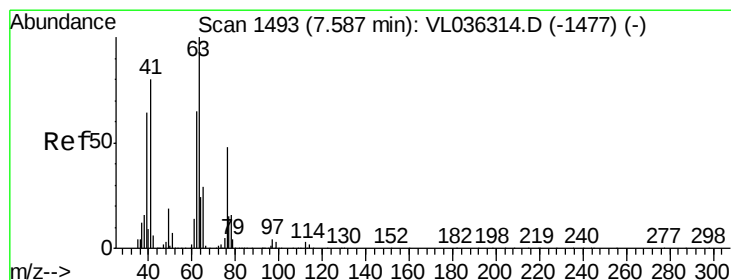
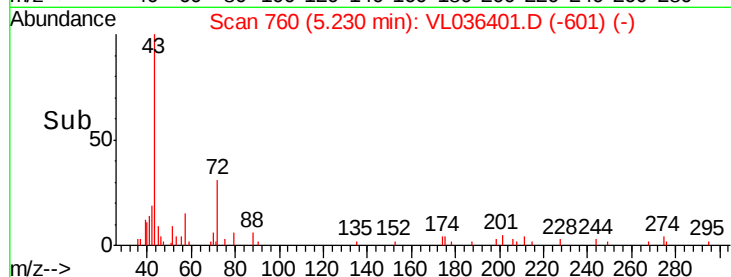
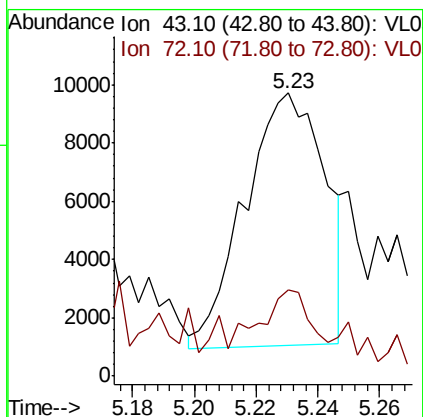
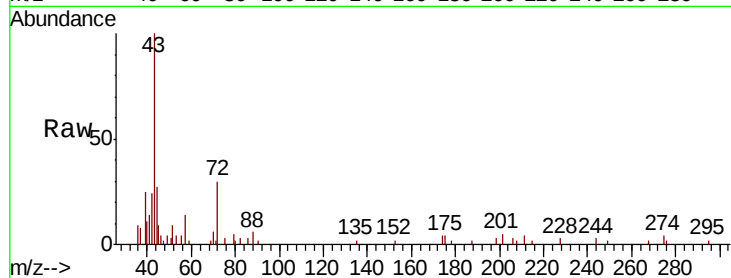




#34
2-Butanone
Concen: 0.074 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.01 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

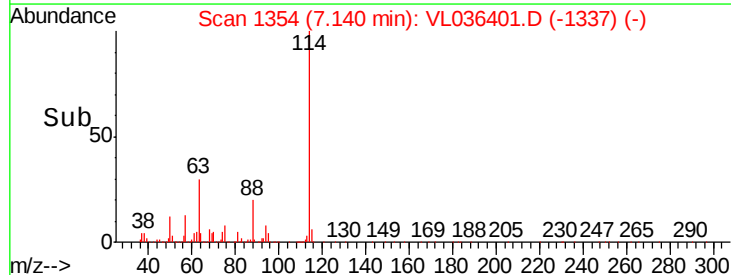
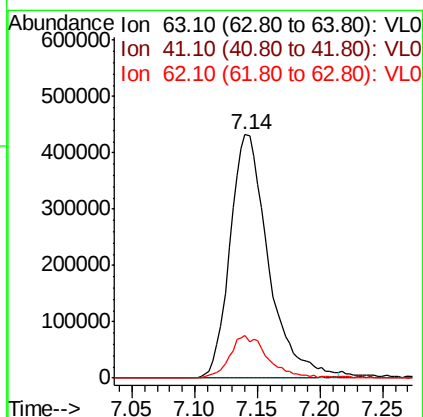
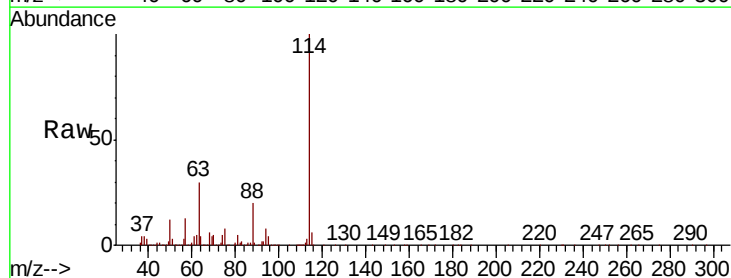
Instrument :
MSVOA_L
ClientSampled :

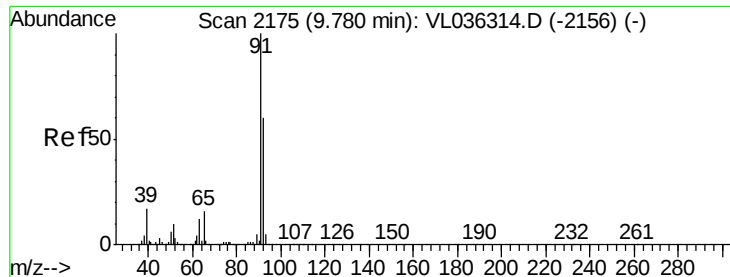
Tot Ion: 43 Resp: 15578
Ion Ratio Lower Upper
43 100
72 50.4 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.352 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL036401.D
Acq: 26 Feb 2021 14:10

Tgt Ion: 63 Resp: 919239
Ion Ratio Lower Upper
63 100
41 0.0 63.8 95.6#
62 17.4 52.3 78.5#





#53

Toluene

Concen: 0.134 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

Instrument :

MSVOA_L

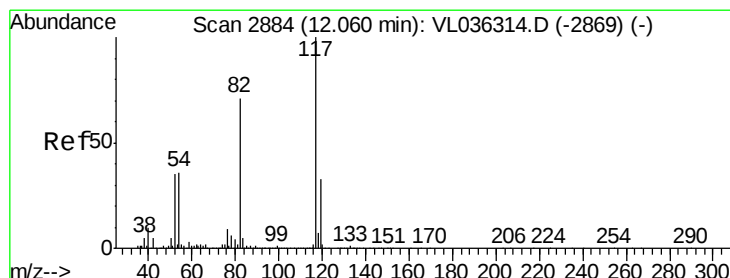
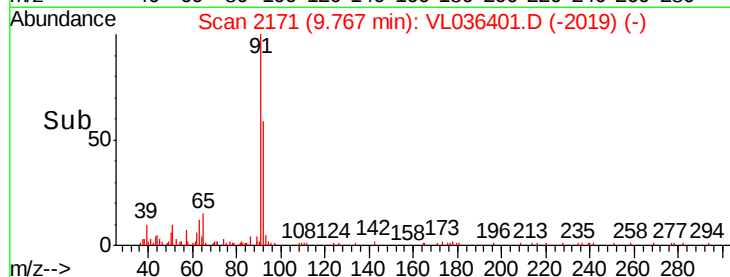
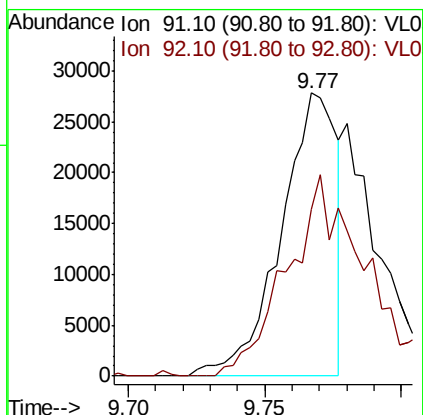
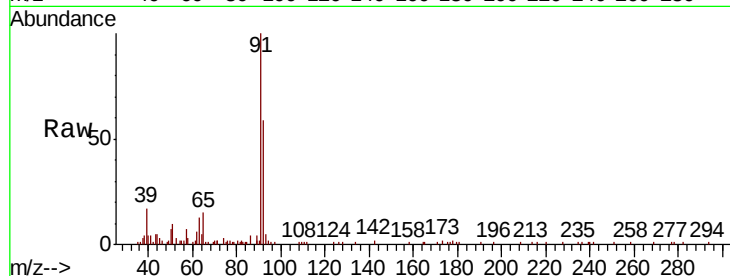
ClientSampleId :

Tot Ion: 91 Resp: 39328

Ion Ratio Lower Upper

91 100

92 102.3 48.6 72.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

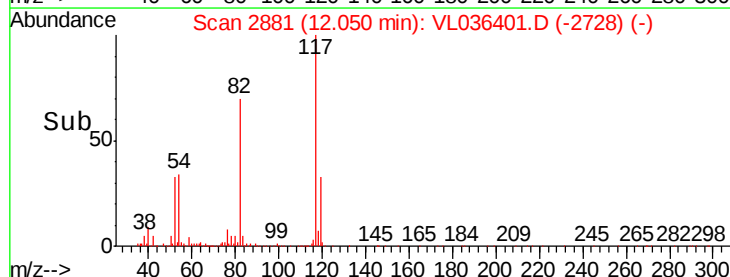
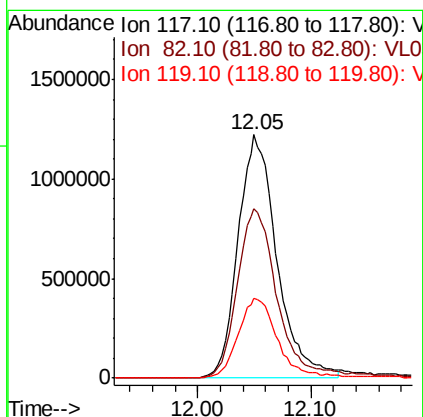
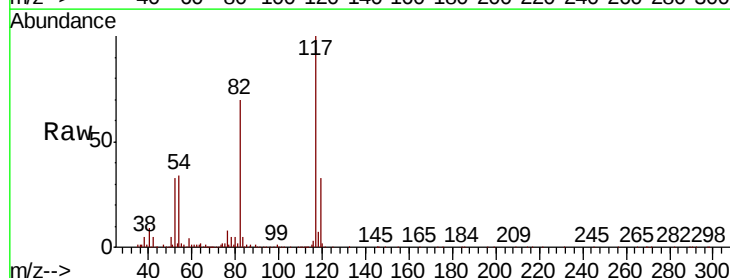
Tgt Ion: 117 Resp: 2917159

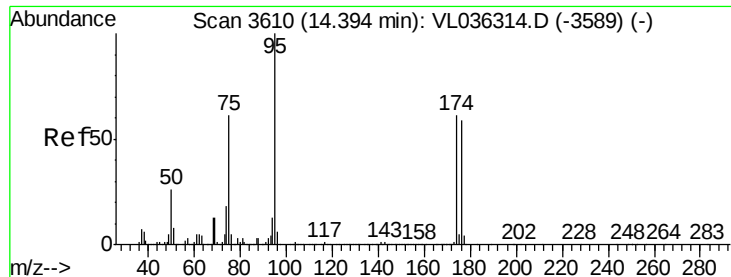
Ion Ratio Lower Upper

117 100

82 73.9 59.1 88.7

119 34.5 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.425 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL036401.D

Acq: 26 Feb 2021 14:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2262178

Ion Ratio Lower Upper

95 100

174 66.8 49.8 74.6

175 4.8 3.7 5.5

