

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037109.D
 Acq On : 2 Jun 2021 19:52
 Operator : SY/AP
 Sample : M2548-11DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 03:22:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1286155	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4066565	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3687324	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2615048	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

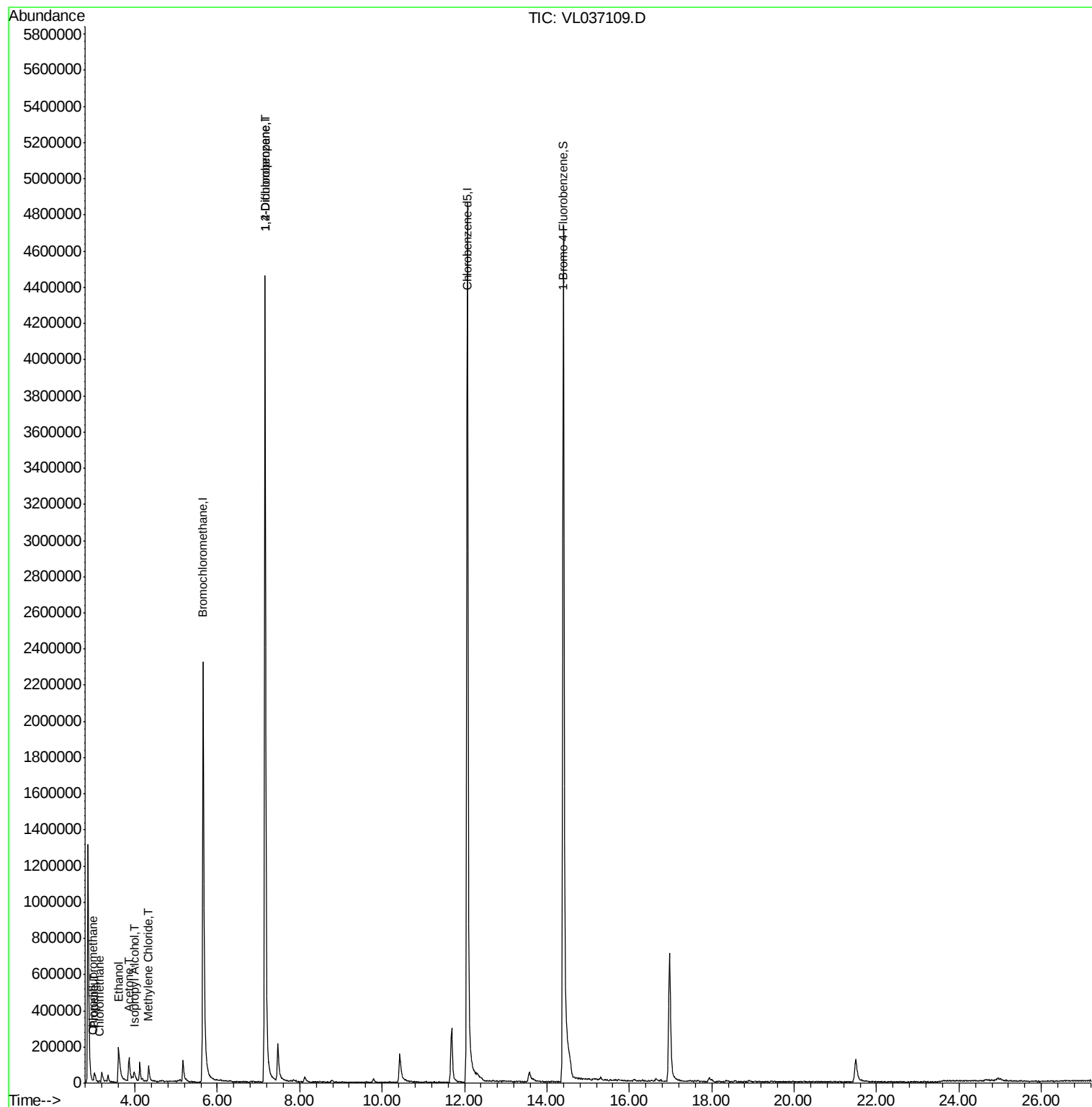
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	11062	0.047	ppbv #	81
4) Chloromethane	3.13	50	4642	0.058	ppbv #	77
9) Propene	3.02	41	12695	0.150	ppbv	89
13) Ethanol	3.60	45	272871	24.239	ppbv	86
15) Acetone	3.85	43	162431	1.233	ppbv #	66
19) Isopropyl Alcohol	3.98	45	28776	0.406	ppbv #	66
20) Methylene Chloride	4.34	84	22477	0.318	ppbv #	80
39) 1,2-Dichloropropane	7.16	63	952222	7.057	ppbv #	25

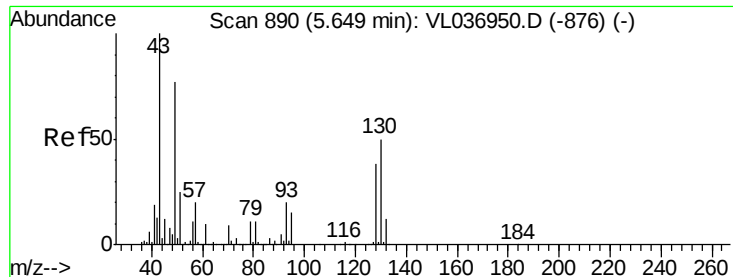
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

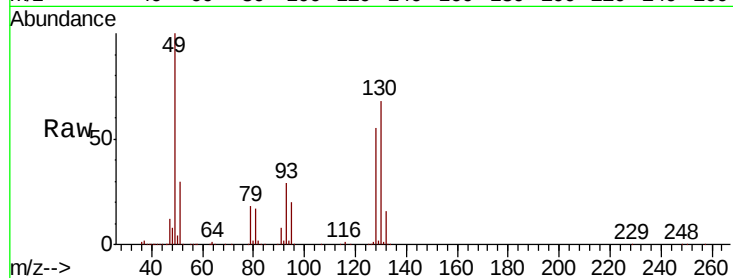
Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1286155

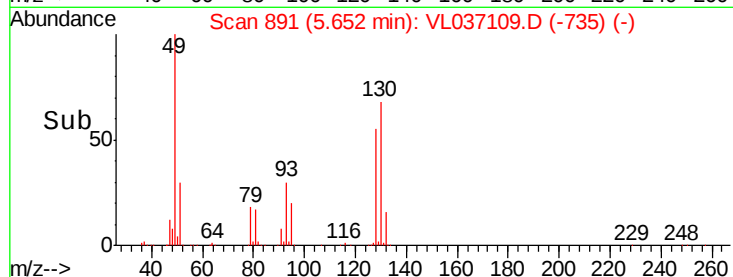
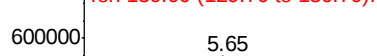
Ion	Ratio	Lower	Upper
49	100		
128	61.0	26.9	80.7
130	78.0	33.8	101.4



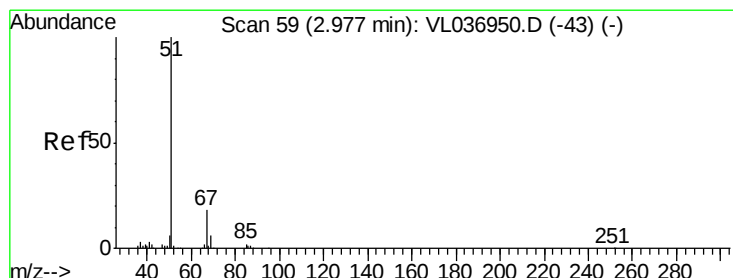
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#3

Chlorodifluoromethane

Concen: 0.047 ppbv

RT: 2.98 min Scan# 59

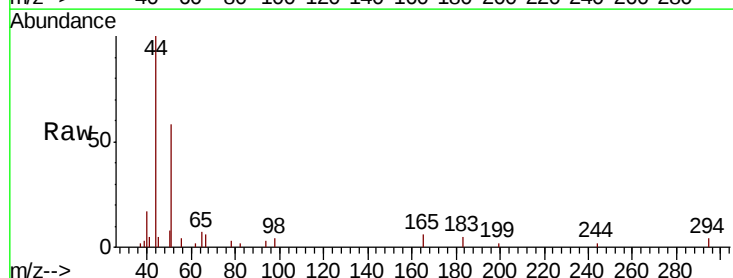
Delta R.T. -0.00 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Tgt Ion: 51 Resp: 11062

Ion	Ratio	Lower	Upper
51	100		
67	9.9	14.6	21.8

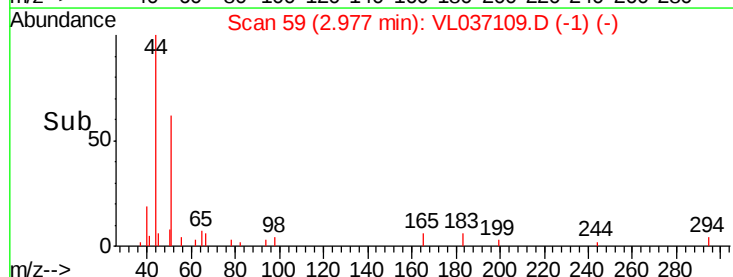


Abundance Ion 51.00 (50.70 to 51.70): VL0

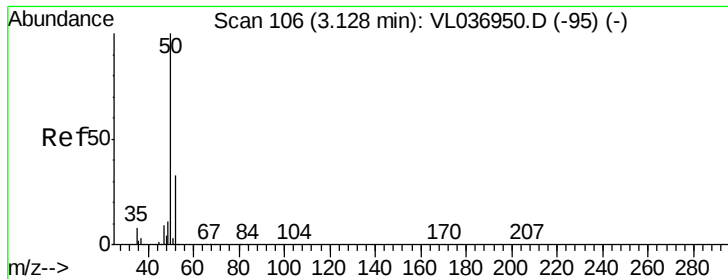
Ion 67.00 (66.70 to 67.70): VL0



Time-->



Time-->



#4

Chloromethane

Concen: 0.058 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Instrument :

MSVOA_L

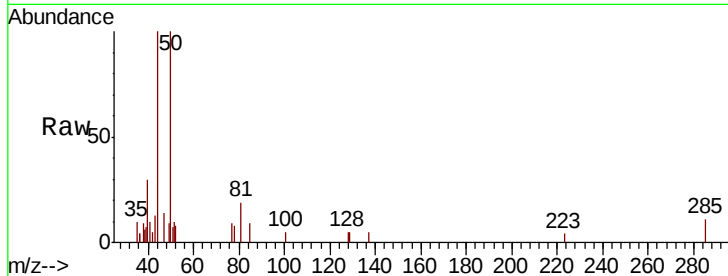
ClientSampleId :

Tot Ion: 50 Resp: 4642

Ion Ratio Lower Upper

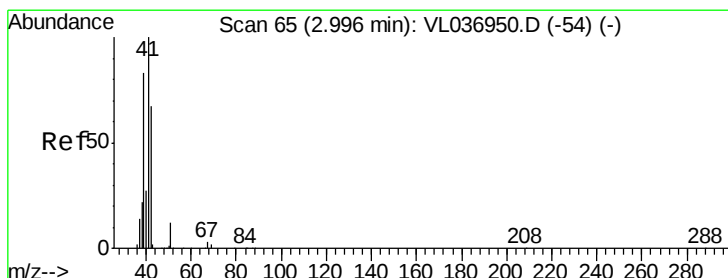
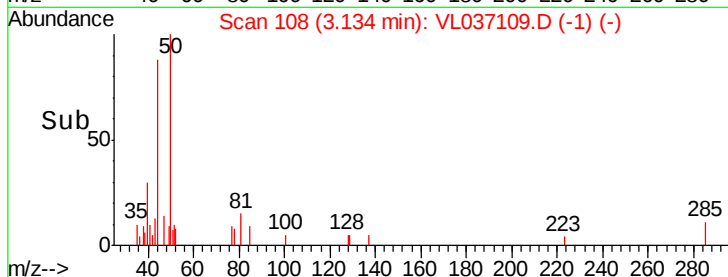
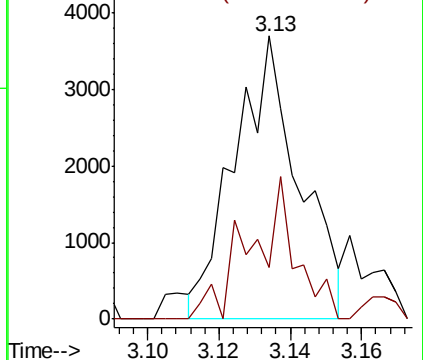
50 100

52 19.9 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.150 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037109.D

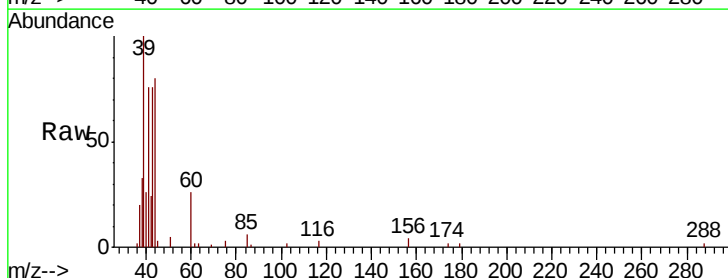
Acq: 2 Jun 2021 19:52

Tgt Ion: 41 Resp: 12695

Ion Ratio Lower Upper

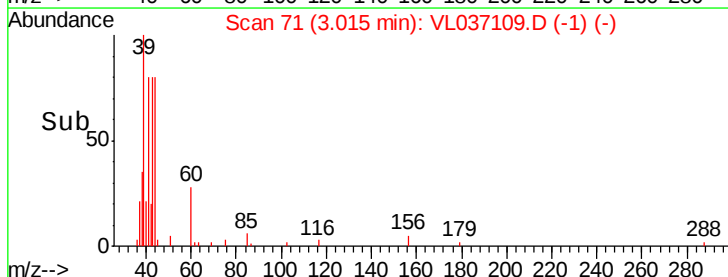
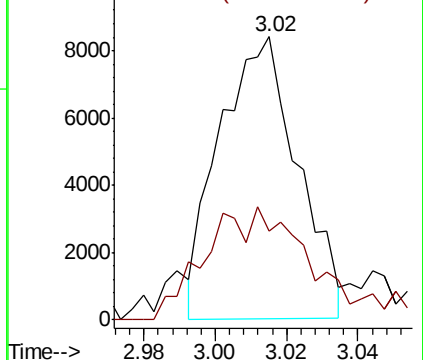
41 100

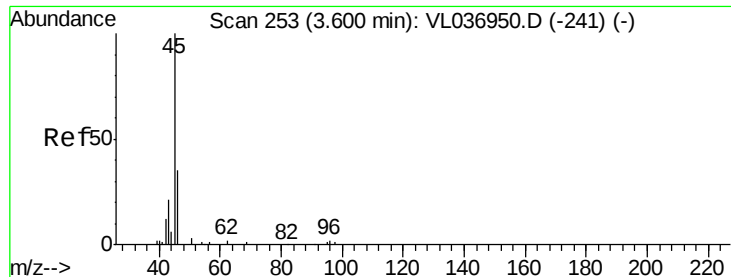
42 58.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 24.239 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Instrument :

MSVOA_L

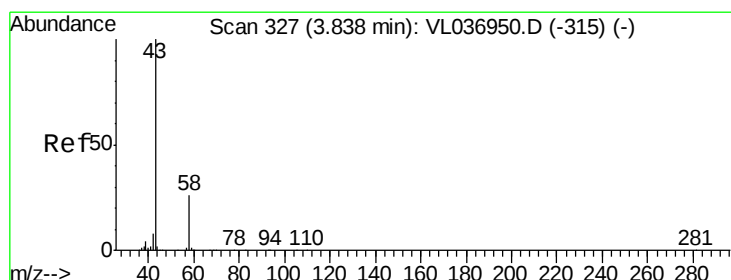
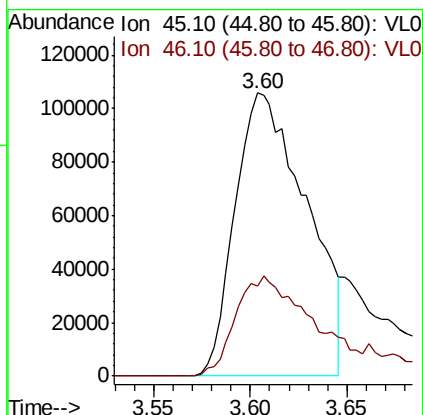
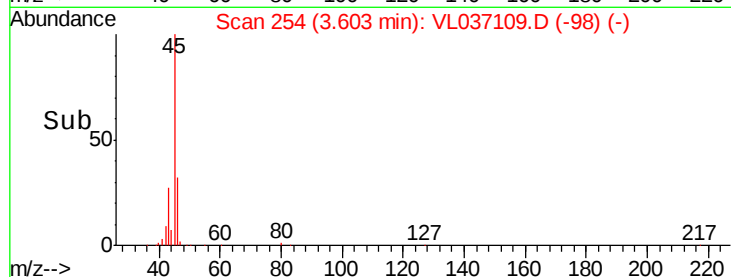
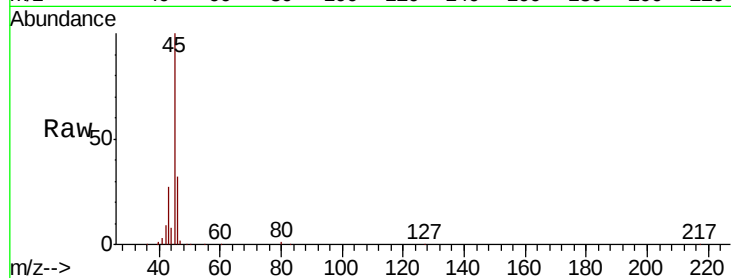
ClientSampleId :

Tot Ion: 45 Resp: 272871

Ion Ratio Lower Upper

45 100

46 49.3 16.3 65.3



#15

Acetone

Concen: 1.233 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037109.D

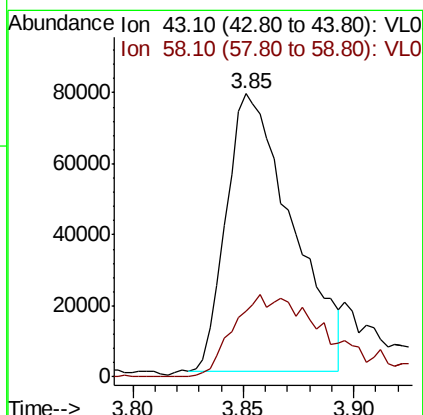
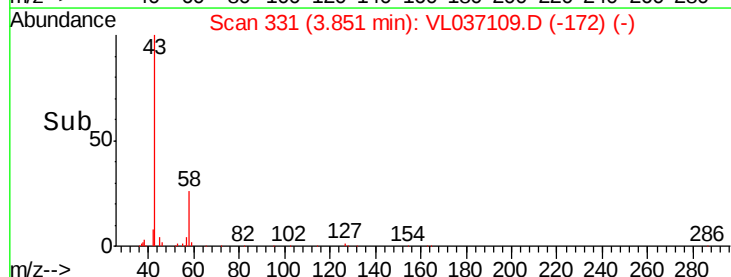
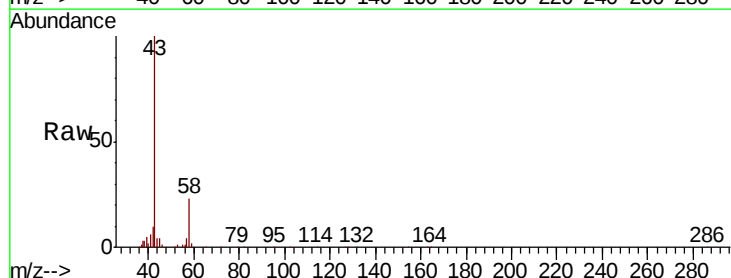
Acq: 2 Jun 2021 19:52

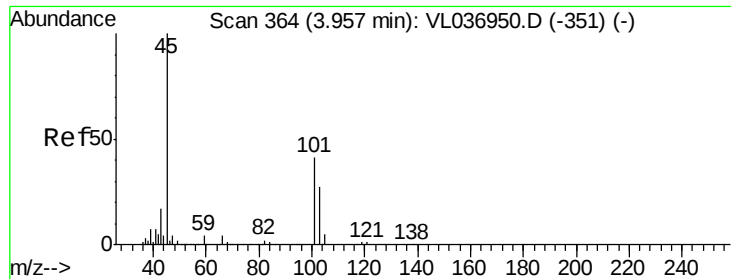
Tgt Ion: 43 Resp: 162431

Ion Ratio Lower Upper

43 100

58 48.4 24.0 36.0#





#19

Isopropyl Alcohol

Concen: 0.406 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Instrument :

MSVOA_L

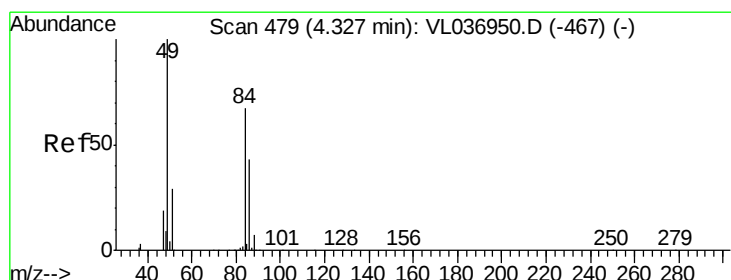
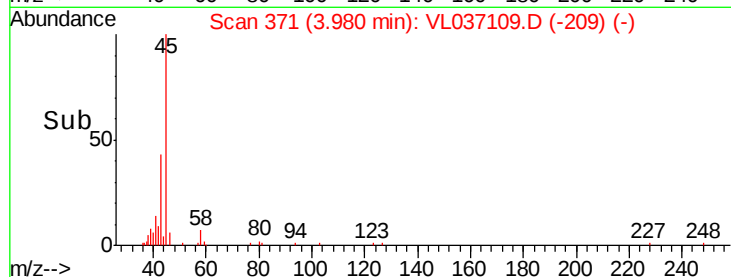
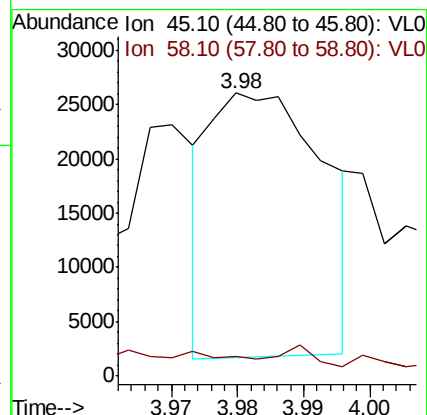
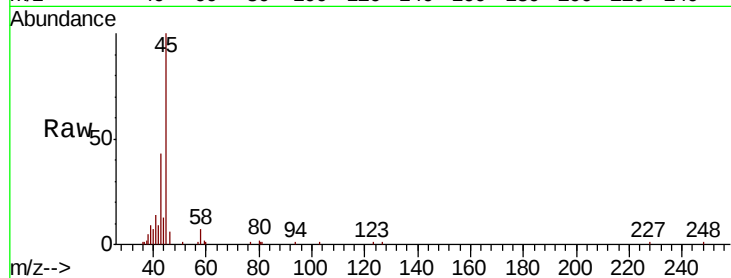
ClientSampleId :

Tot Ion: 45 Resp: 28776

Ion Ratio Lower Upper

45 100

58 24.2 37.2 55.8#



#20

Methylene Chloride

Concen: 0.318 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Tgt Ion: 84 Resp: 22477

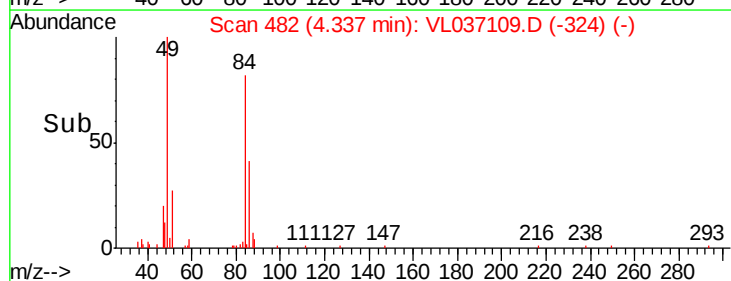
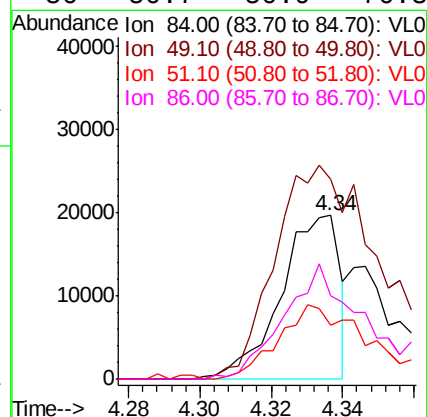
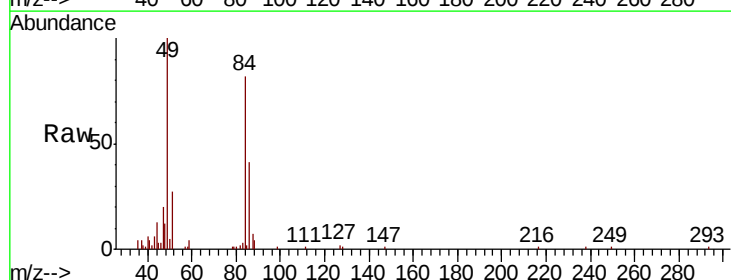
Ion Ratio Lower Upper

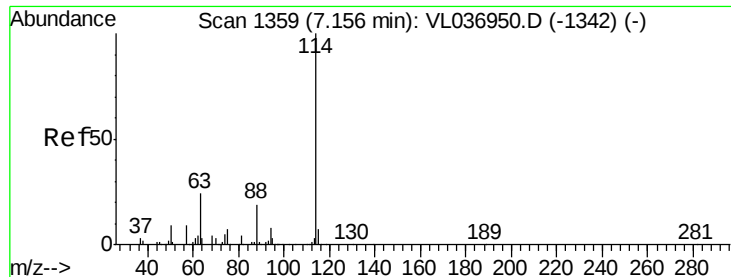
84 100

49 122.3 119.8 179.6

51 30.7 35.1 52.7#

86 50.7 50.9 76.3#



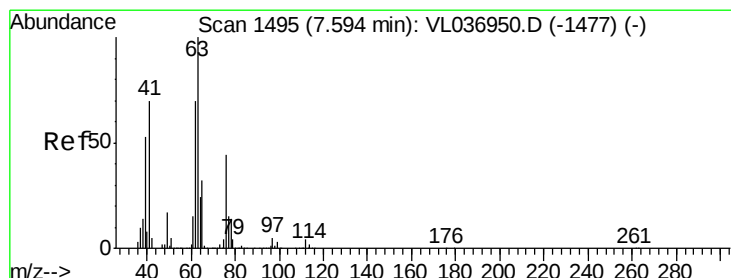
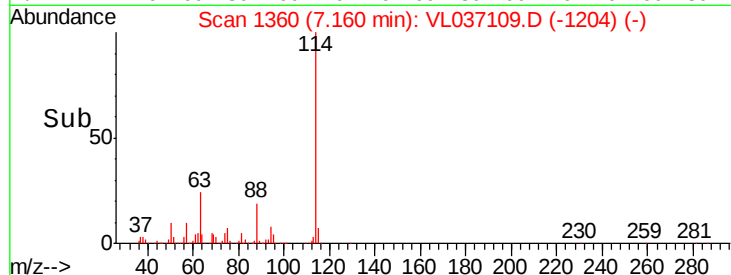
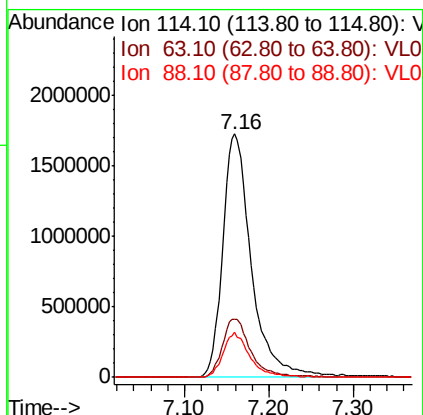
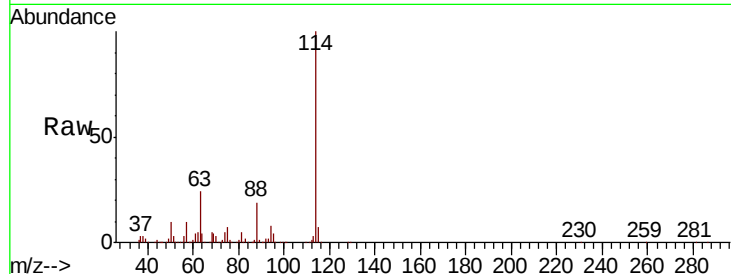


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037109.D
 Acq: 2 Jun 2021 19:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4066565

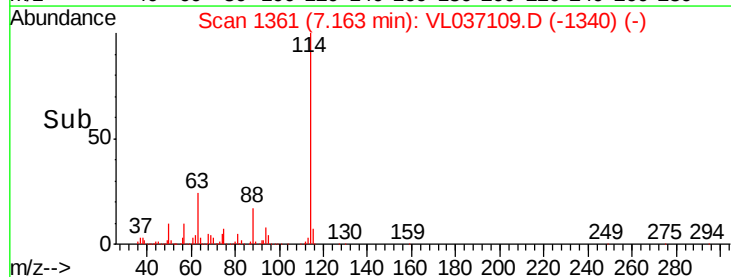
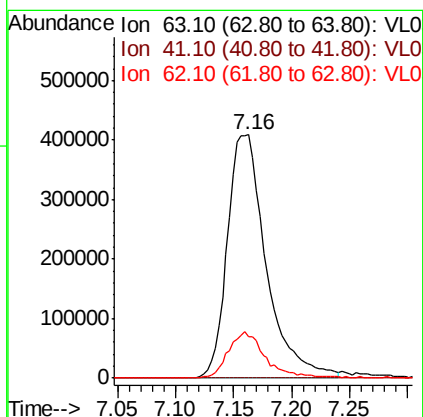
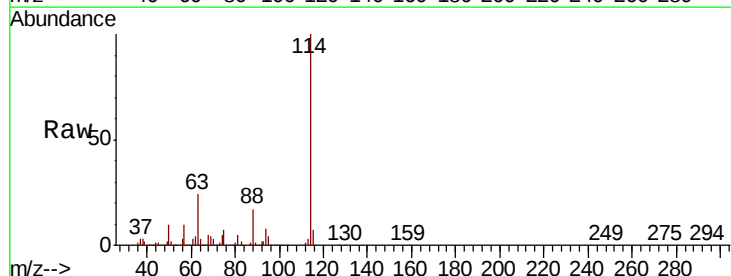
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.7	14.6	21.8

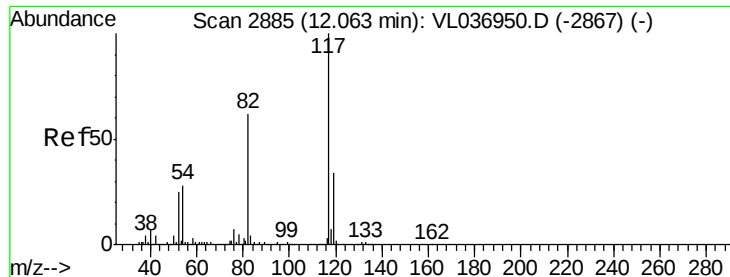


#39
 1,2-Dichloropropane
 Concen: 7.057 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.43 min
 Lab File: VL037109.D
 Acq: 2 Jun 2021 19:52

Tgt Ion: 63 Resp: 952222

Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.7	83.5#
62	17.2	56.2	84.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

Instrument :

MSVOA_L

ClientSampleId :

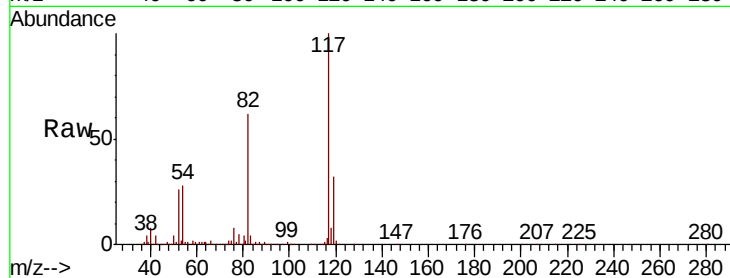
Tot Ion:117 Resp: 3687324

Ion Ratio Lower Upper

117 100

82 63.9 52.6 79.0

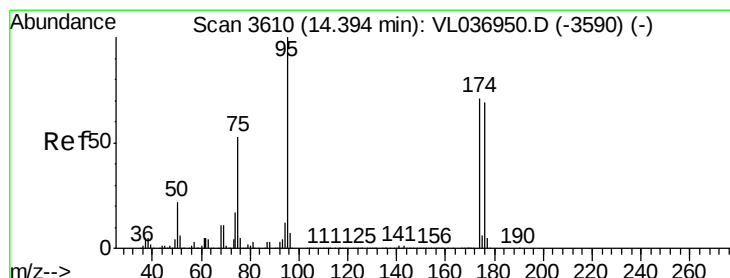
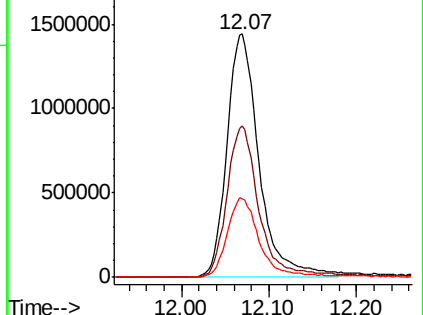
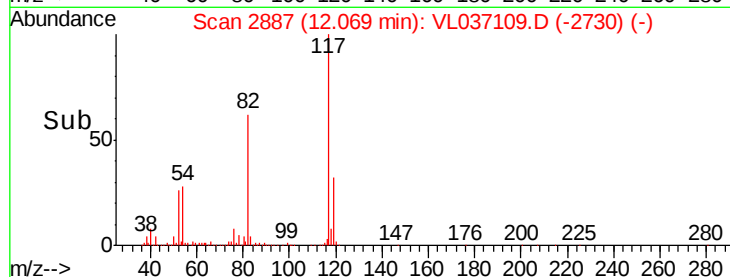
119 33.8 46.6 70.0#



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: 9.441 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037109.D

Acq: 2 Jun 2021 19:52

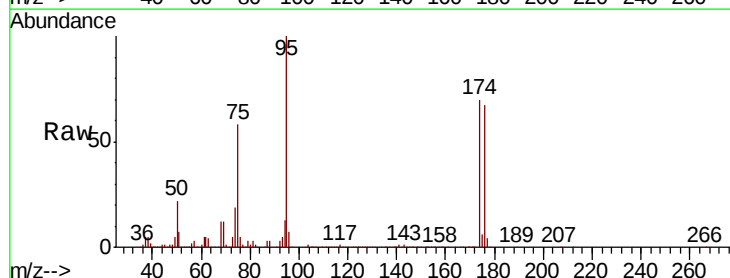
Tgt Ion: 95 Resp: 2615048

Ion Ratio Lower Upper

95 100

174 77.2 58.4 87.6

175 5.5 4.4 6.6



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

