

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037085.D
 Acq On : 2 Jun 2021 00:54
 Operator : SY/AP
 Sample : M2548-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:04:25 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	1431953	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4387747	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3879850	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2858869	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

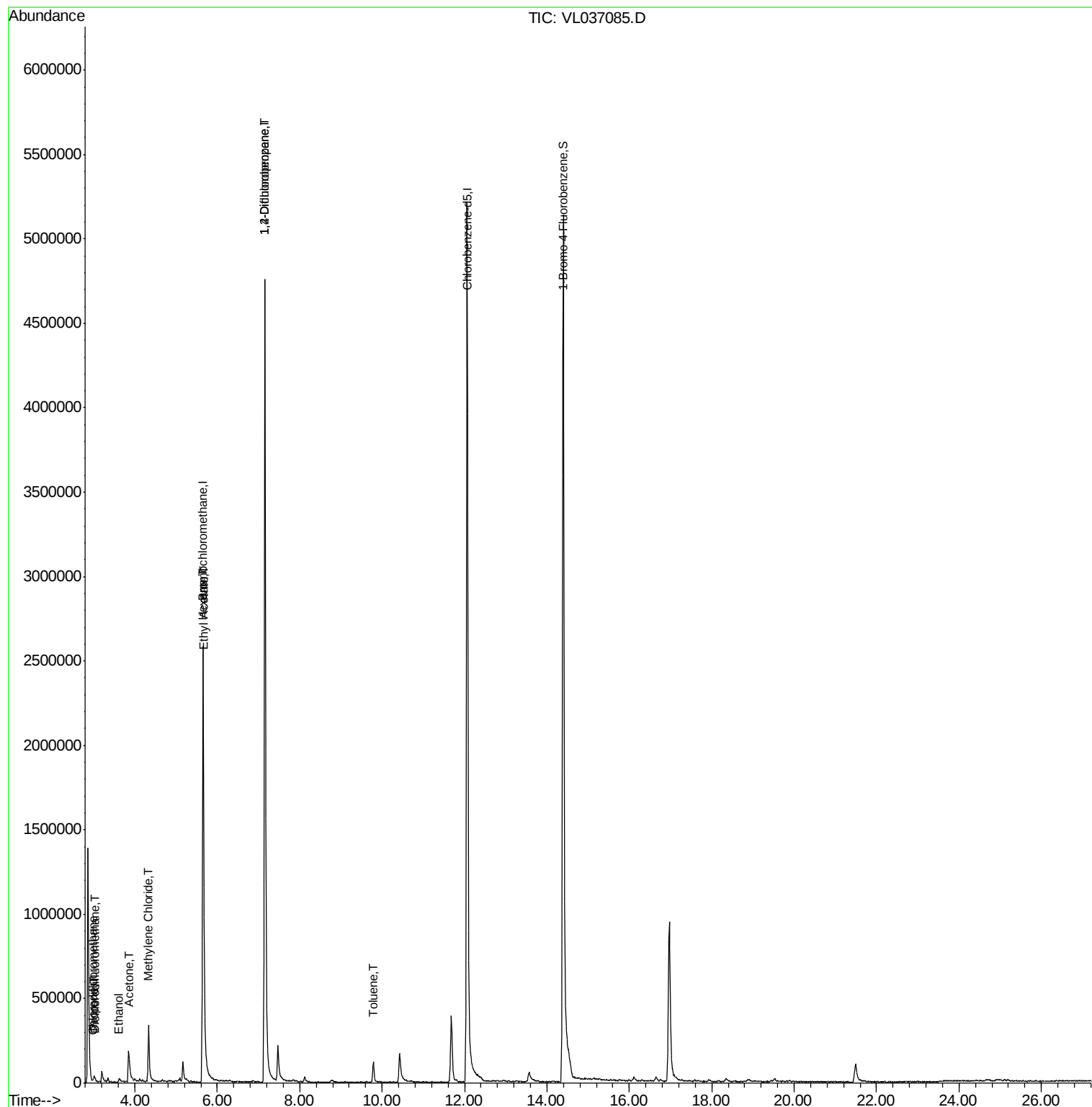
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	9177	0.038	ppbv #	81
3) Chlorodifluoromethane	2.98	51	8597	0.033	ppbv	93
9) Propene	3.01	41	9191	0.098	ppbv #	77
13) Ethanol	3.61	45	9437	0.753	ppbv #	35
15) Acetone	3.84	43	286901	1.956	ppbv #	86
20) Methylene Chloride	4.33	84	152474	1.939	ppbv	96
25) Ethyl Acetate	5.67	43	82014	0.233	ppbv #	77
26) Hexane	5.66	57	130729	0.726	ppbv #	46
39) 1,2-Dichloropropane	7.16	63	1041102	7.151	ppbv #	26
53) Toluene	9.78	91	61103	0.136	ppbv #	42

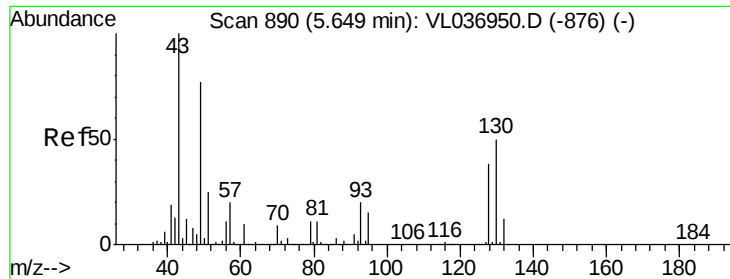
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037085.D

Acq: 2 Jun 2021 00:54

Instrument :

MSVOA_L

ClientSampleId :

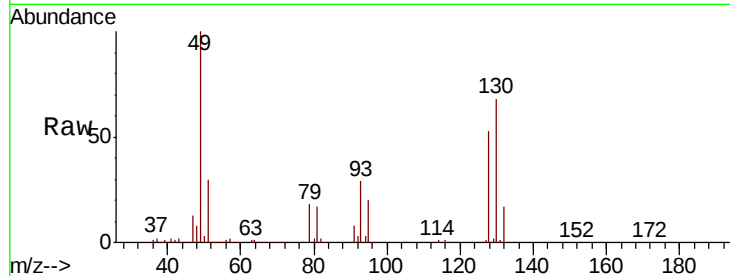
Tot Ion: 49 Resp: 1431953

Ion Ratio Lower Upper

49 100

128 58.6 26.9 80.7

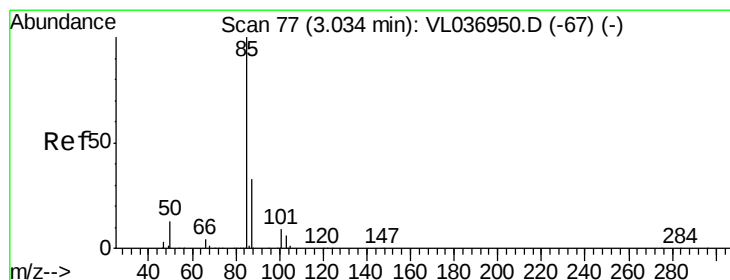
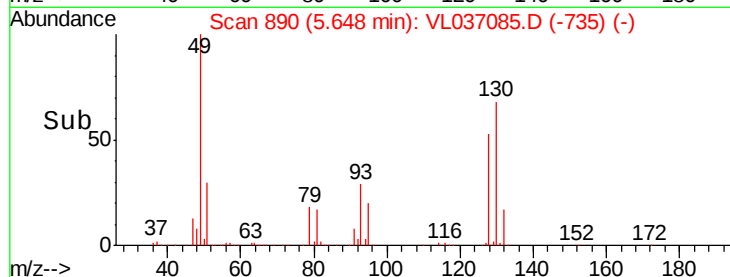
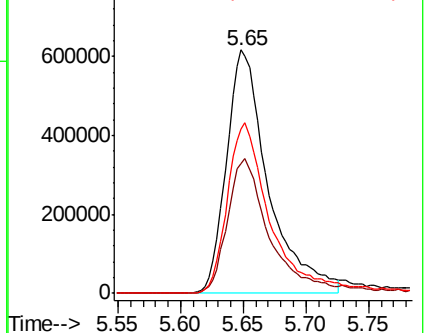
130 75.2 33.8 101.4



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



#2

Dichlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037085.D

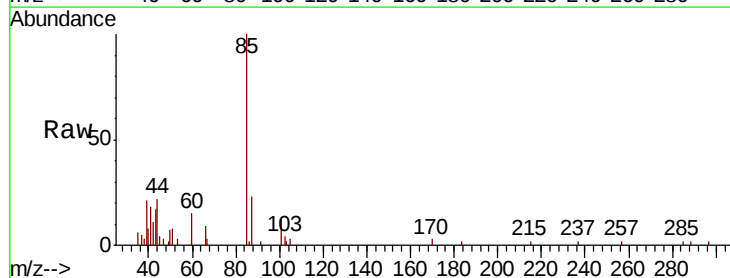
Acq: 2 Jun 2021 00:54

Tgt Ion: 85 Resp: 9177

Ion Ratio Lower Upper

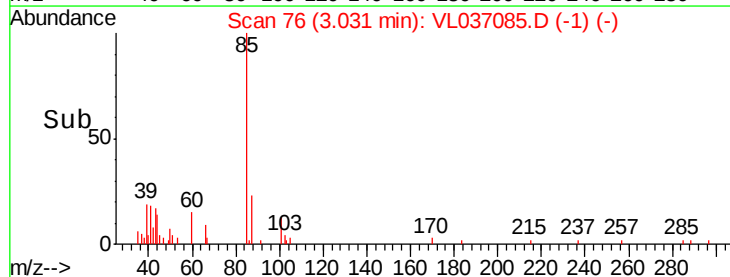
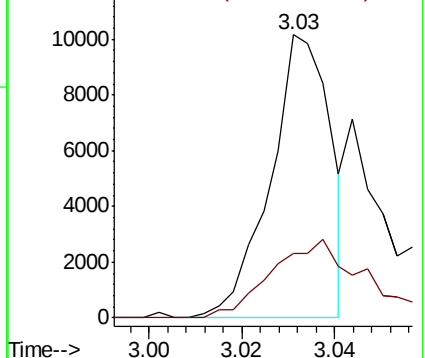
85 100

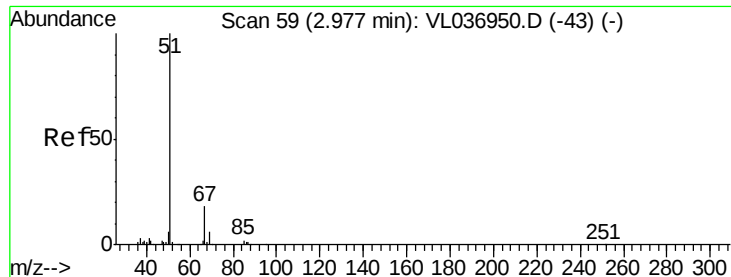
87 22.7 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.033 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037085.D

Acq: 2 Jun 2021 00:54

Instrument :

MSVOA_L

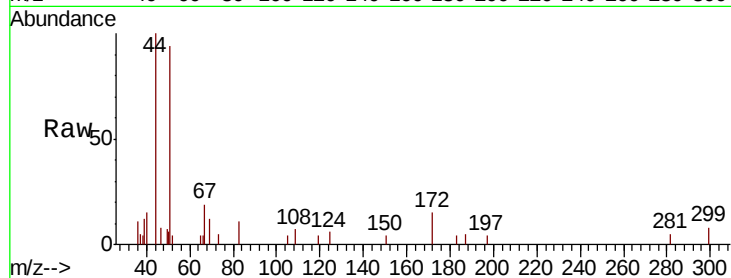
ClientSampleId :

Tot Ion: 51 Resp: 8597

Ion Ratio Lower Upper

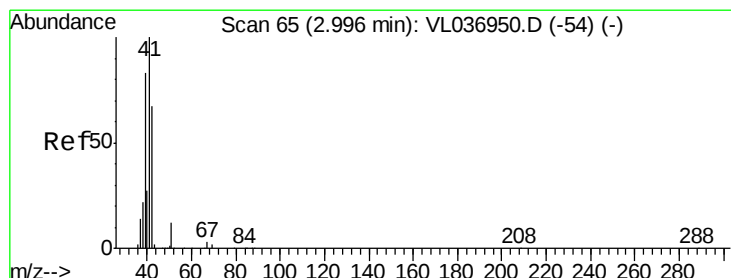
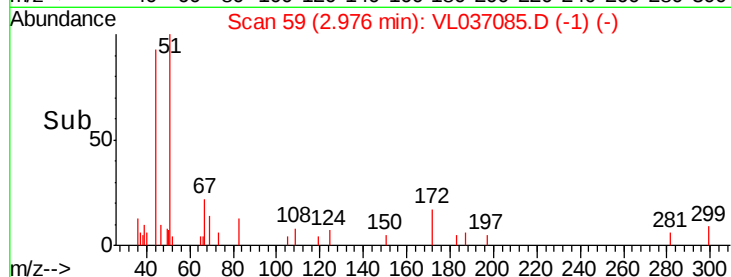
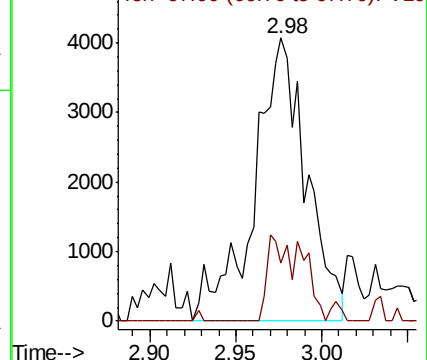
51 100

67 21.2 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.098 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037085.D

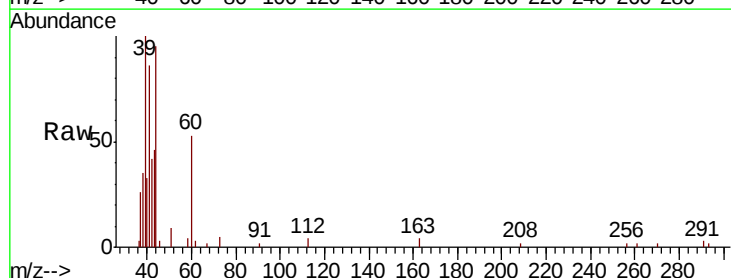
Acq: 2 Jun 2021 00:54

Tgt Ion: 41 Resp: 9191

Ion Ratio Lower Upper

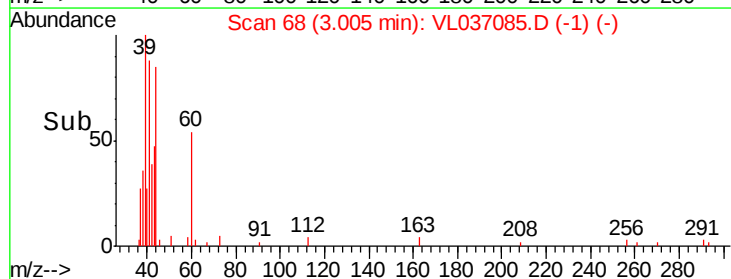
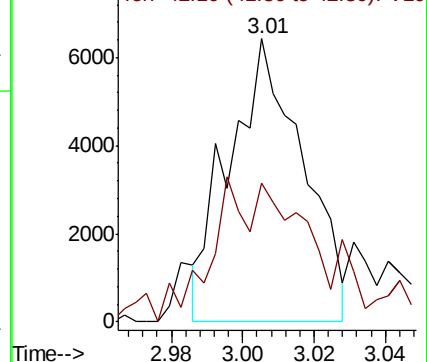
41 100

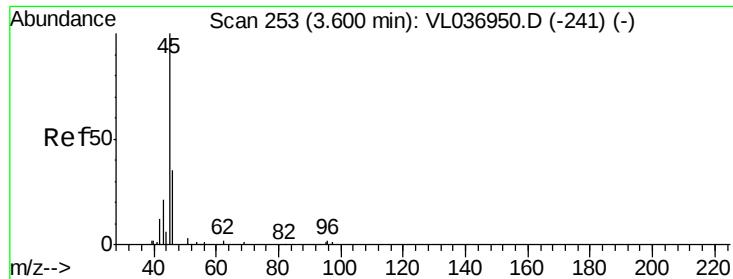
42 85.6 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

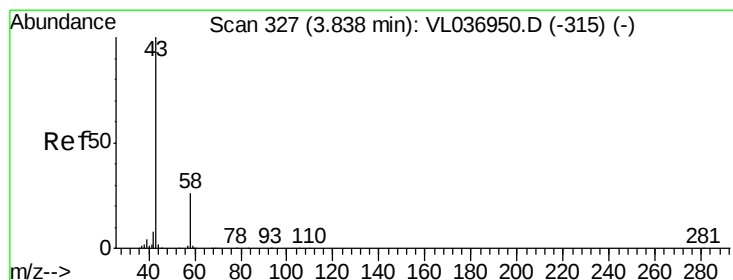
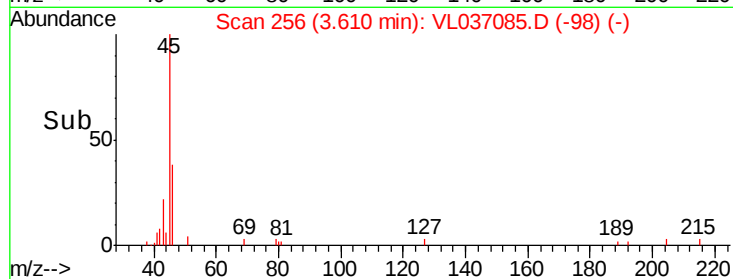
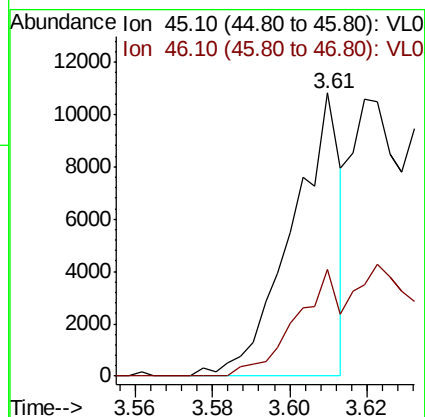
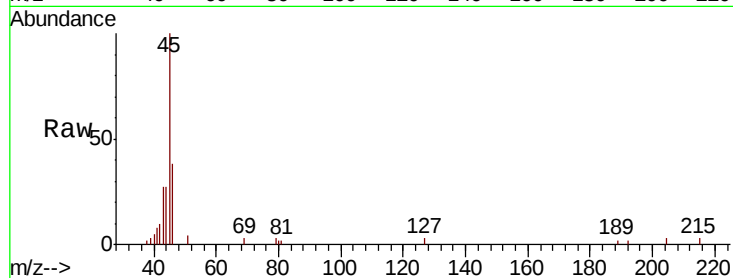




#13
Ethanol
Concen: 0.753 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

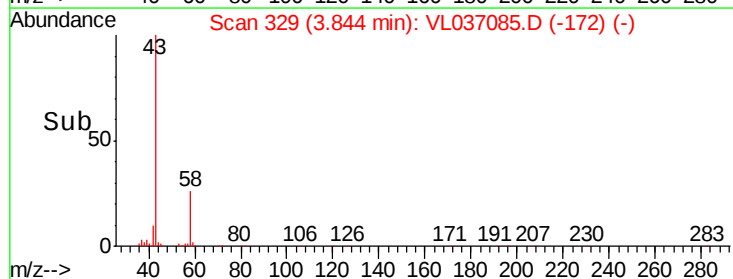
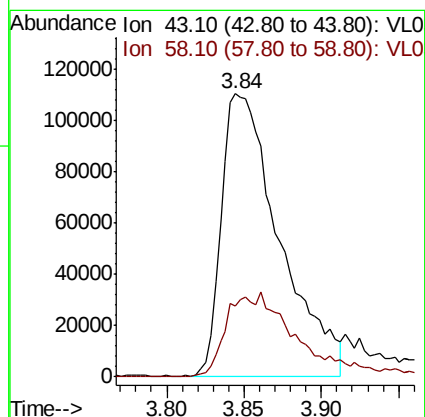
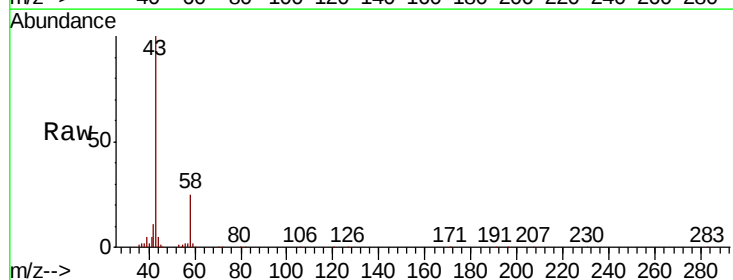
Instrument :
MSVOA_L
ClientSampleId :

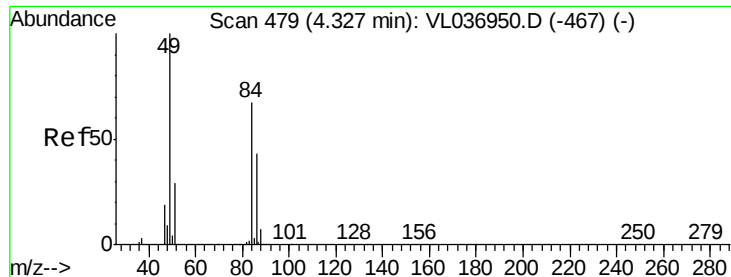
Tot Ion: 45 Resp: 9437
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#15
Acetone
Concen: 1.956 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

Tgt Ion: 43 Resp: 286901
Ion Ratio Lower Upper
43 100
58 37.5 24.0 36.0#

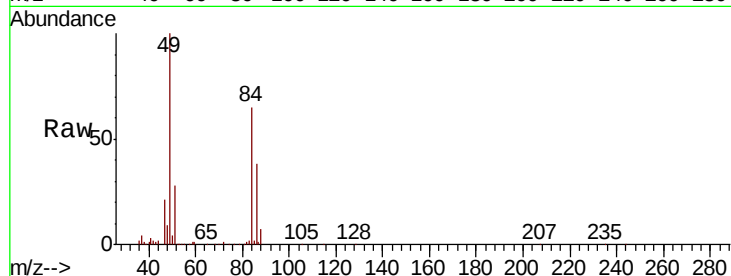




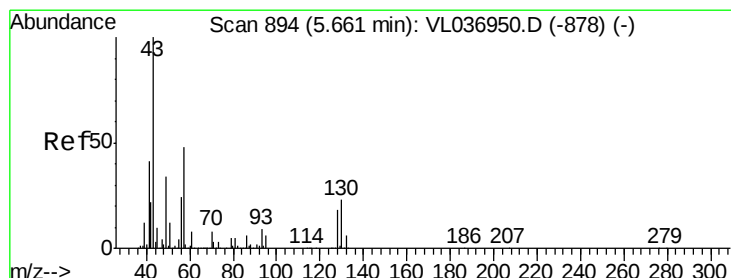
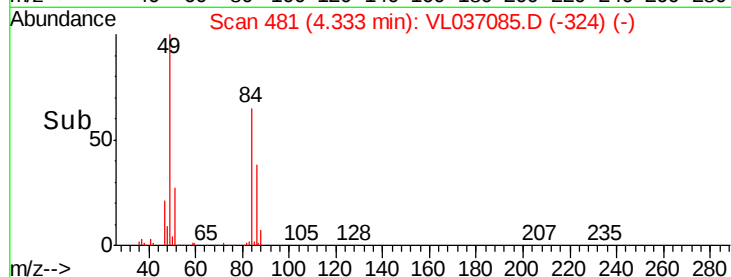
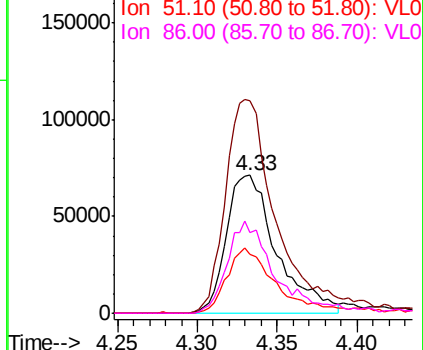
#20
Methylene Chloride
Concen: 1.939 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	84	Resp:	152474
Ion	Ratio	Lower	Upper
84	100		
49	154.7	119.8	179.6
51	42.6	35.1	52.7
86	58.9	50.9	76.3

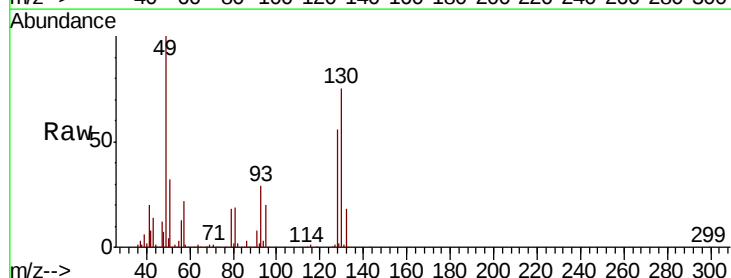


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

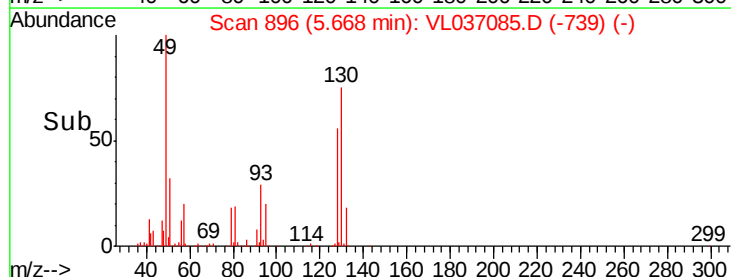
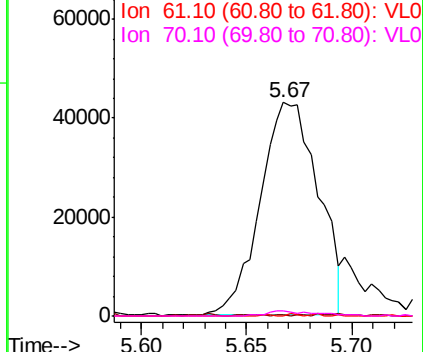


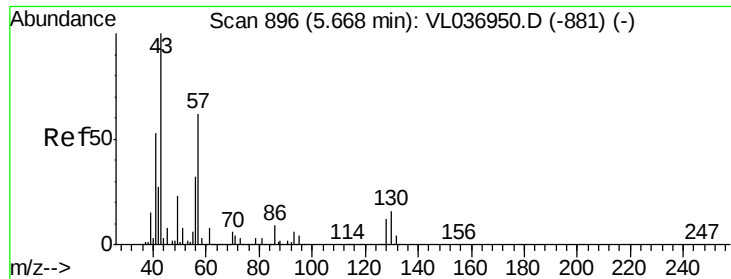
#25
Ethyl Acetate
Concen: 0.233 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

Tgt Ion:	43	Resp:	82014
Ion	Ratio	Lower	Upper
43	100		
45	0.8	7.8	11.8#
61	0.0	7.8	11.8#
70	2.1	5.6	8.4#



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

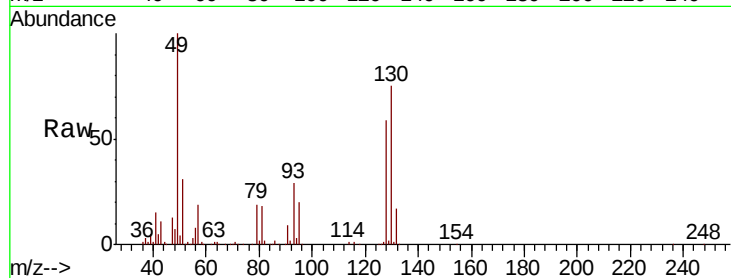




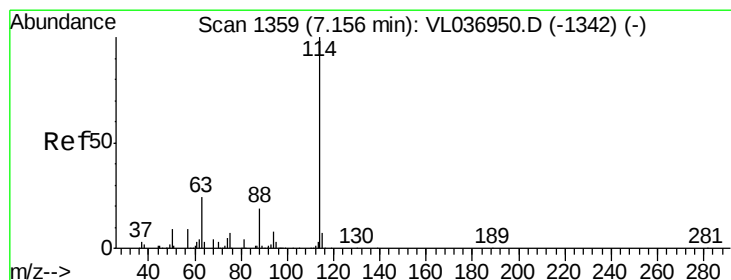
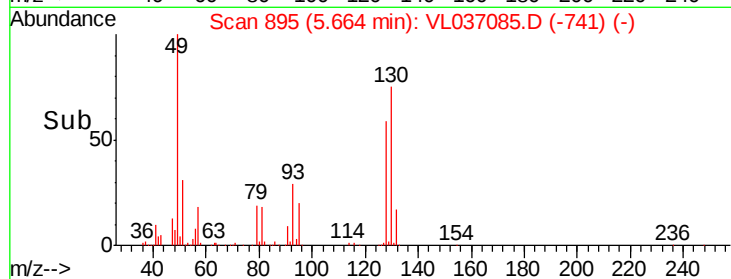
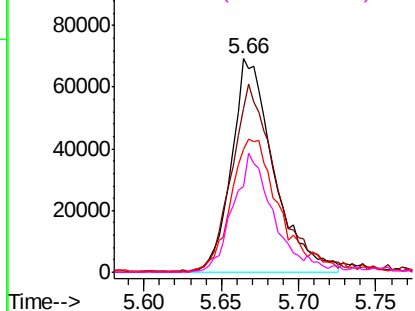
#26
Hexane
Concen: 0.726 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 130729
Ion Ratio Lower Upper
57 100
41 97.3 70.5 105.7
43 74.4 165.8 248.8#
56 56.4 42.2 63.4

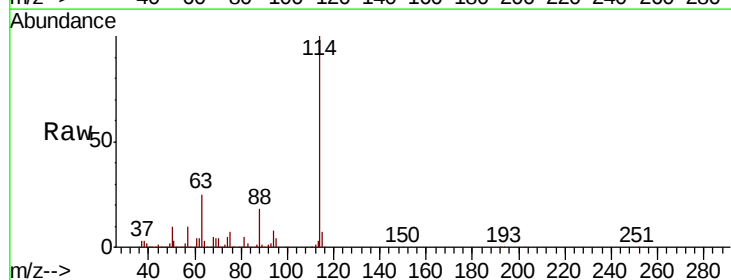


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

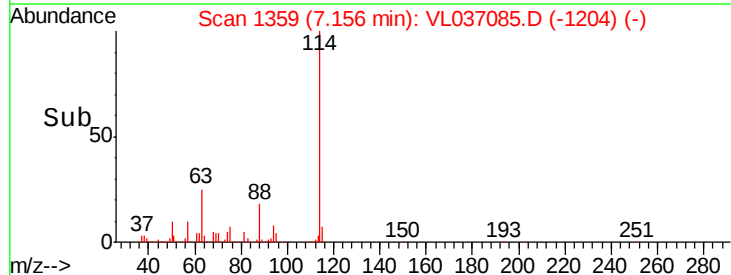
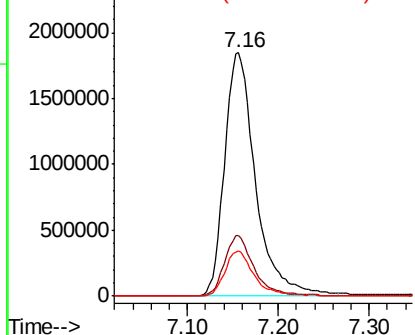


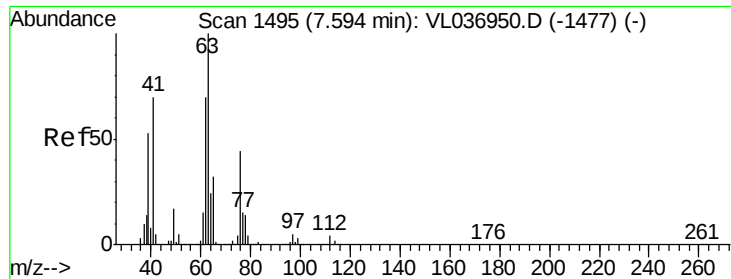
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037085.D
Acq: 2 Jun 2021 00:54

Tgt Ion: 114 Resp: 4387747
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.8 14.6 21.8



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

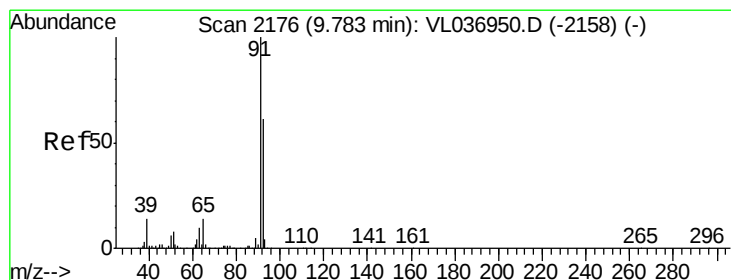
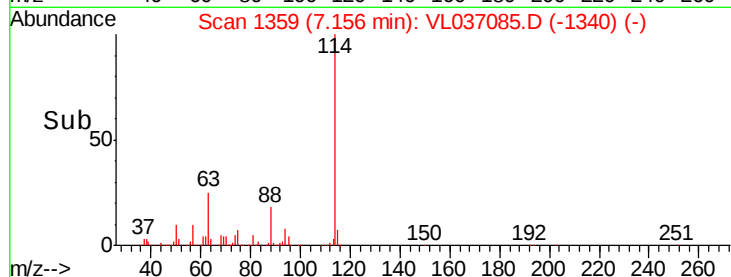
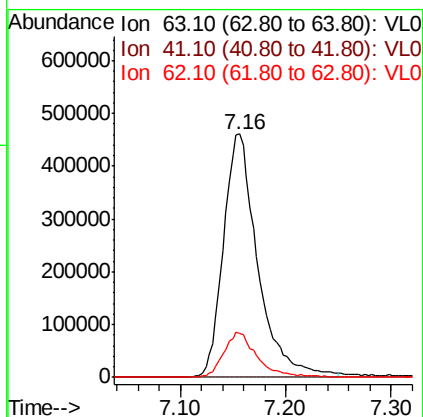
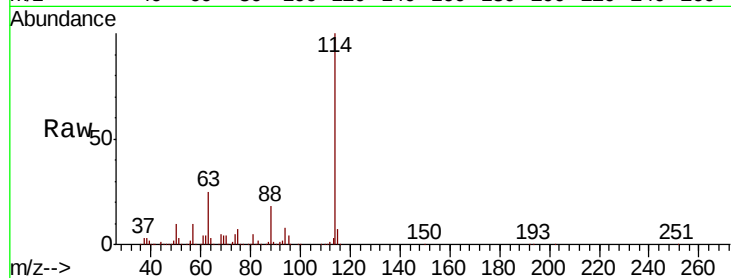




#39
 1,2-Dichloropropane
 Concen: 7.151 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037085.D
 Acq: 2 Jun 2021 00:54

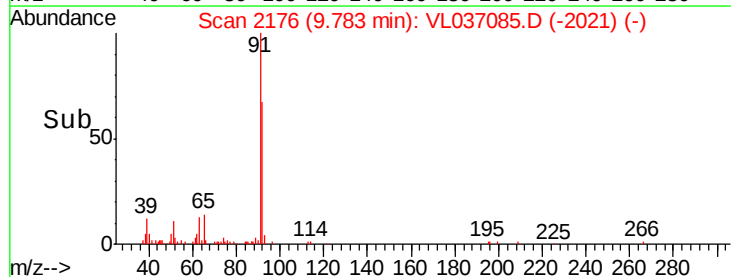
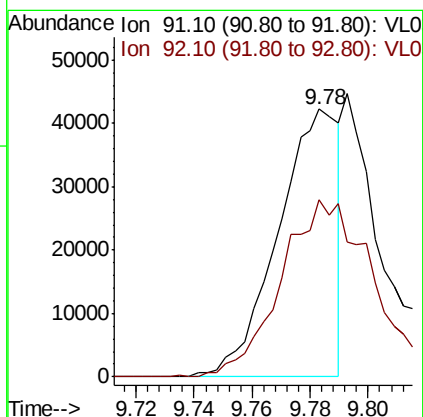
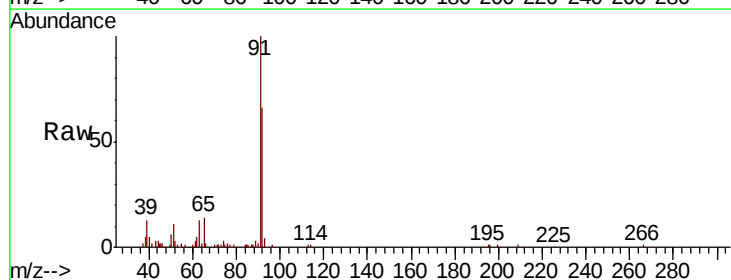
Instrument :
 MSVOA_L
 ClientSampleId :

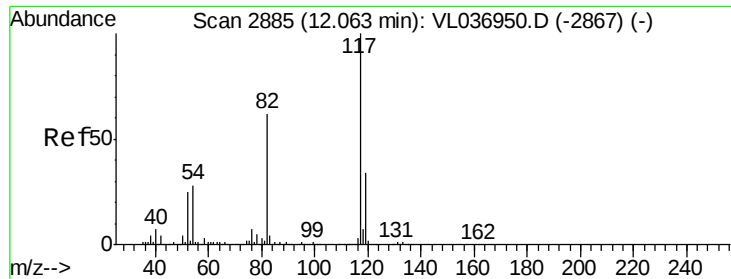
Tot Ion: 63 Resp: 1041102
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.9 56.2 84.4#



#53
 Toluene
 Concen: 0.136 ppbv
 RT: 9.78 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VL037085.D
 Acq: 2 Jun 2021 00:54

Tgt Ion: 91 Resp: 61103
 Ion Ratio Lower Upper
 91 100
 92 106.2 49.5 74.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037085.D

Acq: 2 Jun 2021 00:54

Instrument :

MSVOA_L

ClientSampled :

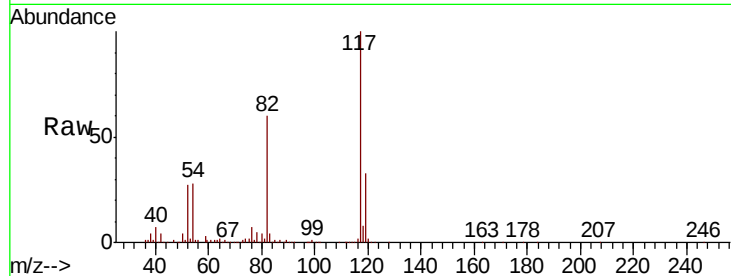
Tot Ion:117 Resp: 3879850

Ion Ratio Lower Upper

117 100

82 64.6 52.6 79.0

119 34.7 46.6 70.0#

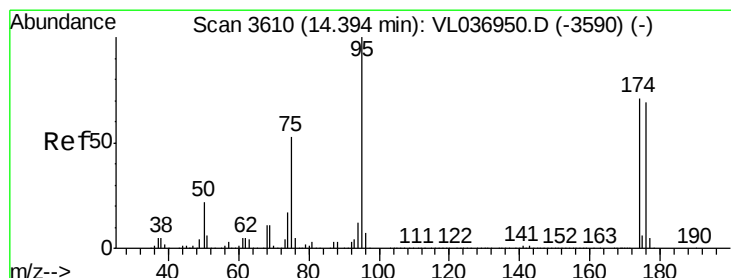
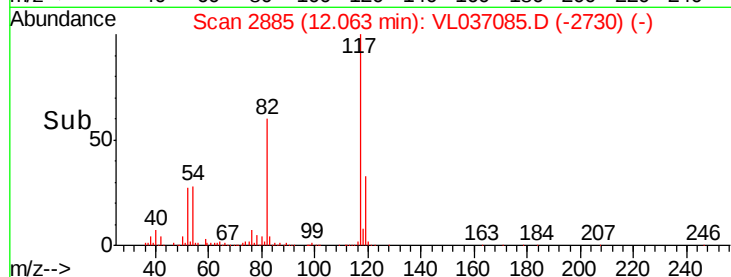
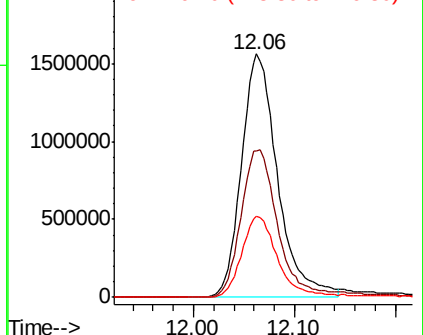


Abundance

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: 9.809 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037085.D

Acq: 2 Jun 2021 00:54

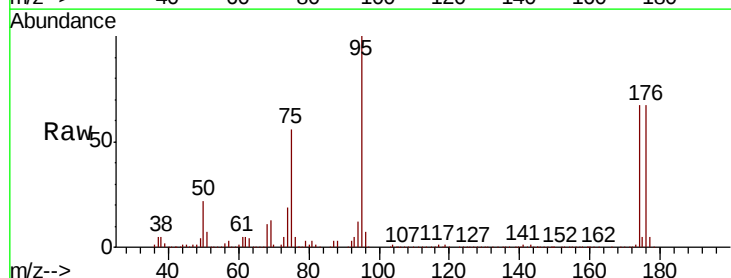
Tgt Ion: 95 Resp: 2858869

Ion Ratio Lower Upper

95 100

174 76.7 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

