

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037083.D
 Acq On : 1 Jun 2021 23:35
 Operator : SY/AP
 Sample : M2548-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:03:59 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	1527784	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4431290	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3933982	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2917207	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

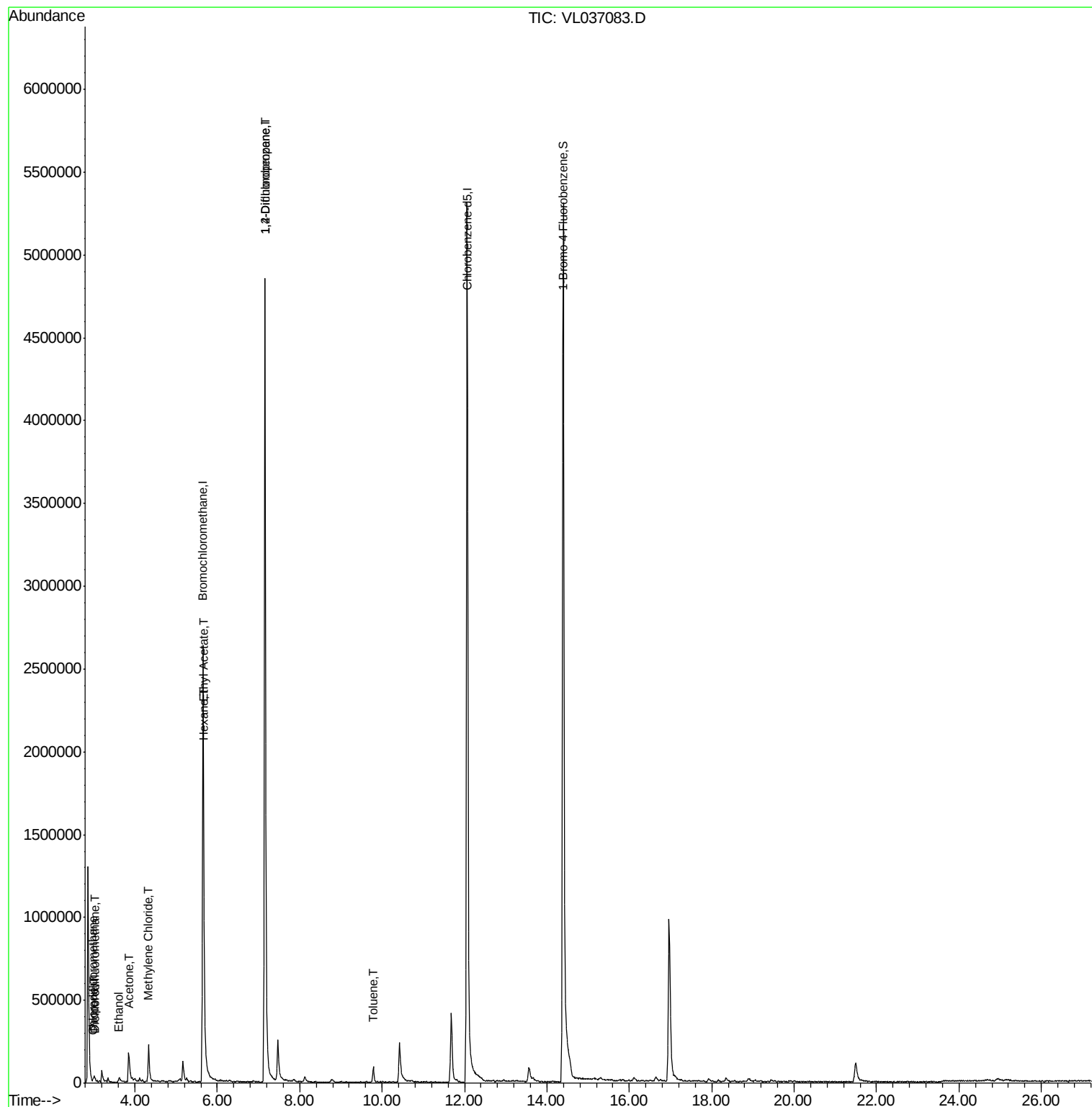
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	10223	0.039	ppbv #	88
3) Chlorodifluoromethane	2.98	51	10731	0.038	ppbv	94
9) Propene	3.00	41	5514	0.055	ppbv #	16
13) Ethanol	3.60	45	15546	1.163	ppbv #	35
15) Acetone	3.84	43	251851	1.609	ppbv #	81
20) Methylene Chloride	4.33	84	93409	1.114	ppbv	85
25) Ethyl Acetate	5.67	43	58019	0.154	ppbv #	80
26) Hexane	5.67	57	82260	0.428	ppbv #	46
39) 1,2-Dichloropropane	7.16	63	1041564	7.084	ppbv #	25
53) Toluene	9.79	91	73431	0.162	ppbv	99

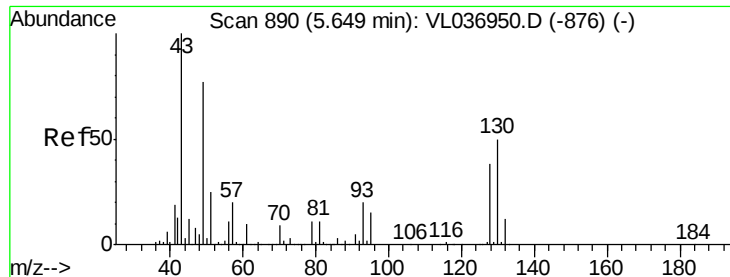
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037083.D

Acq: 1 Jun 2021 23:35

Instrument :

MSVOA_L

ClientSampled :

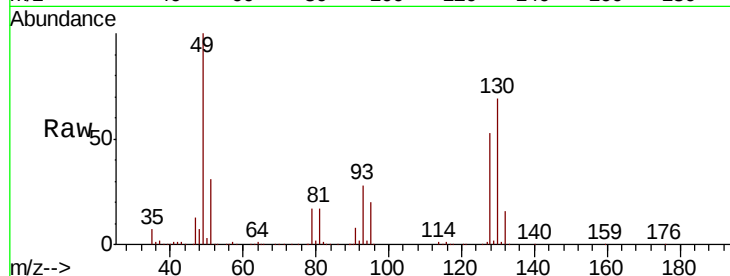
Tot Ion: 49 Resp: 1527784

Ion Ratio Lower Upper

49 100

128 55.9 26.9 80.7

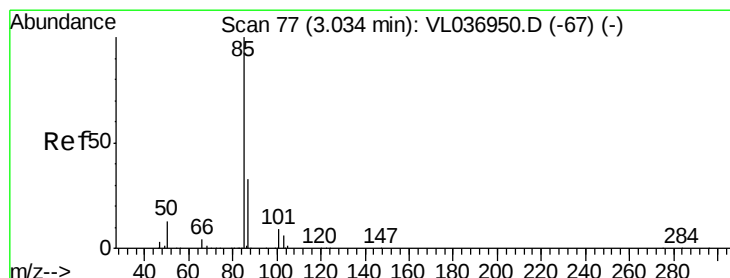
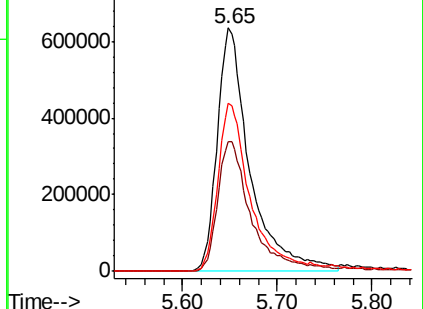
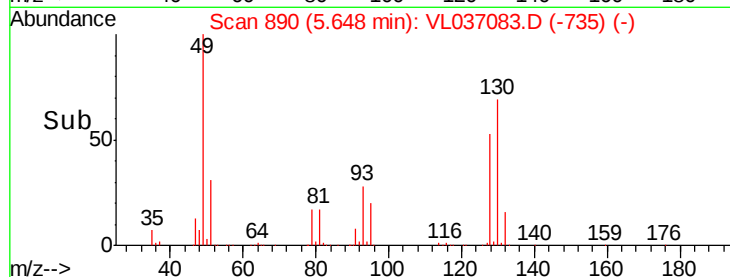
130 71.6 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037083.D

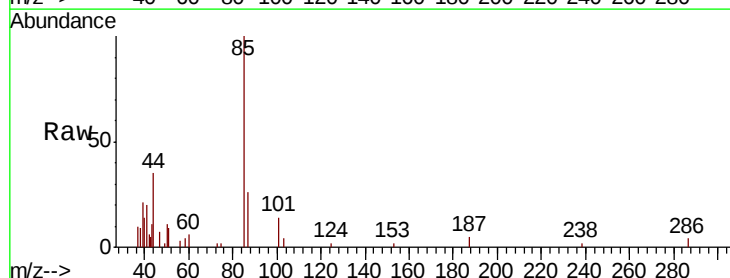
Acq: 1 Jun 2021 23:35

Tgt Ion: 85 Resp: 10223

Ion Ratio Lower Upper

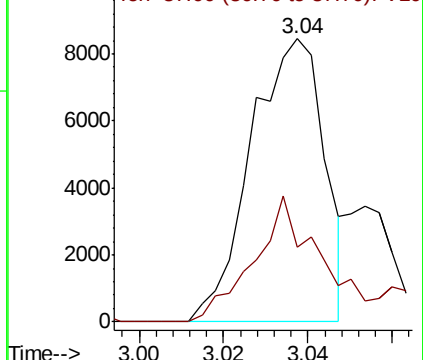
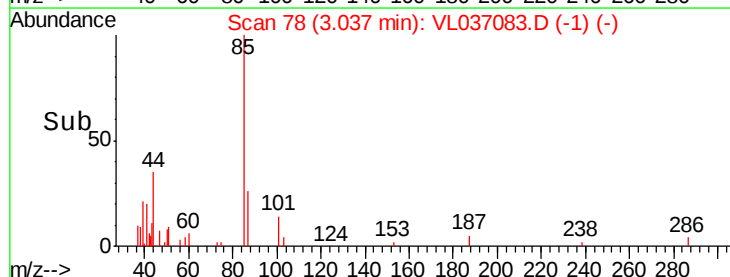
85 100

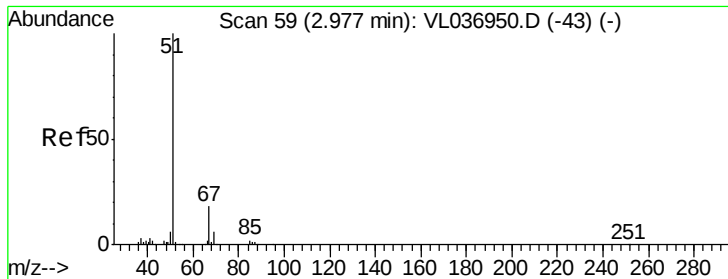
87 26.3 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.038 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037083.D

Acq: 1 Jun 2021 23:35

Instrument :

MSVOA_L

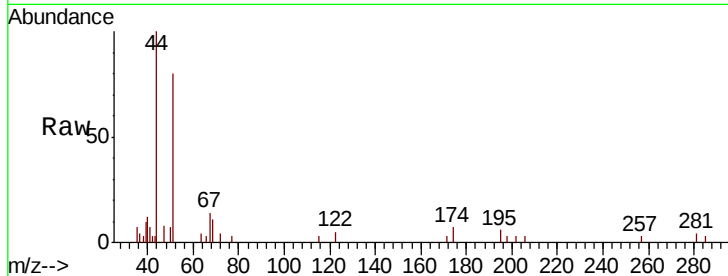
ClientSampleId :

Tot Ion: 51 Resp: 10731

Ion Ratio Lower Upper

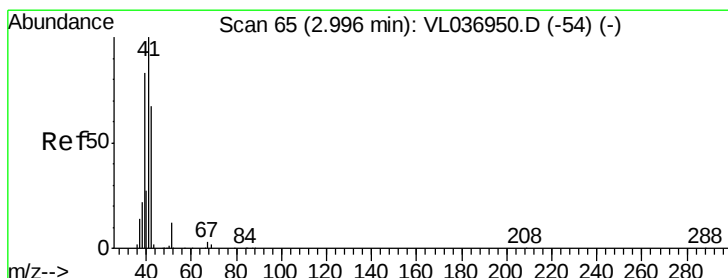
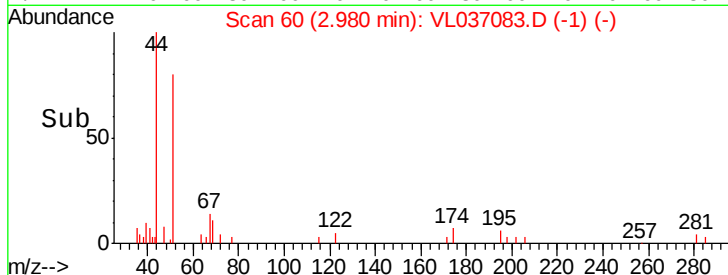
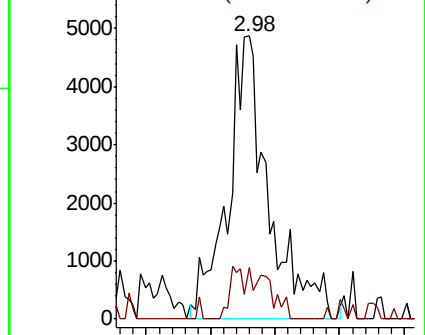
51 100

67 15.7 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: 0.055 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL037083.D

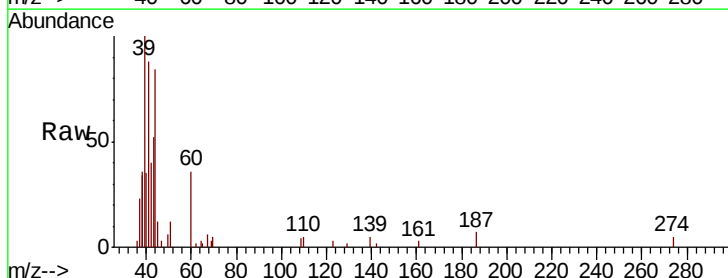
Acq: 1 Jun 2021 23:35

Tgt Ion: 41 Resp: 5514

Ion Ratio Lower Upper

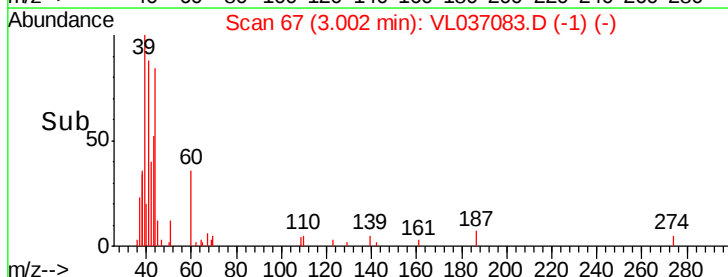
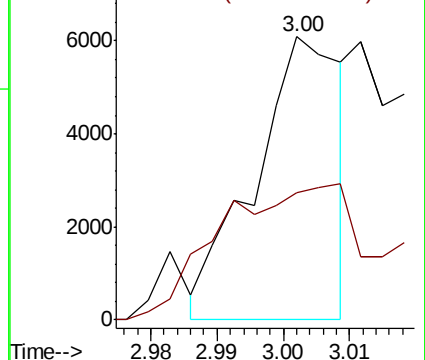
41 100

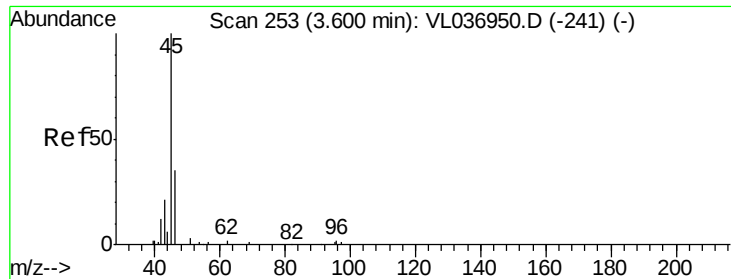
42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

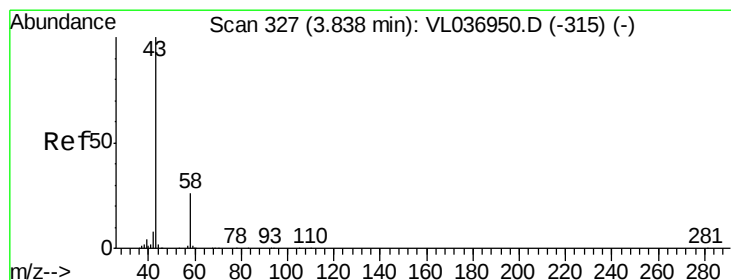
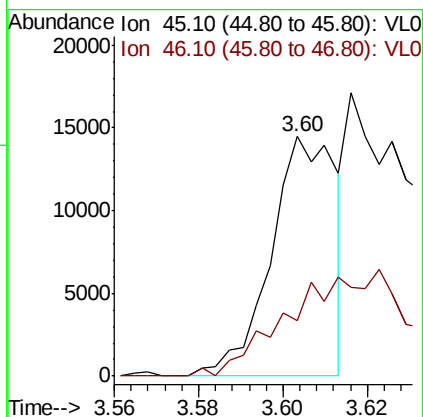
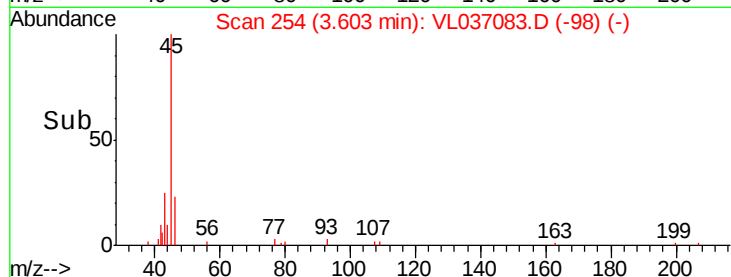
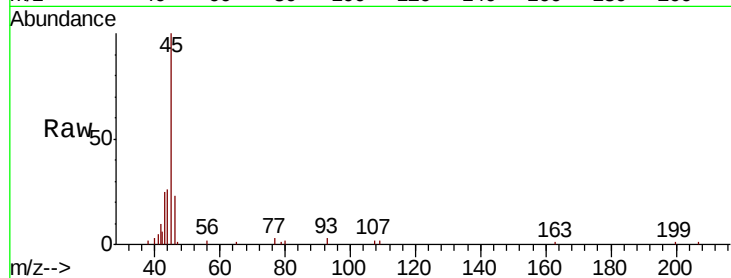




#13
Ethanol
Concen: 1.163 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

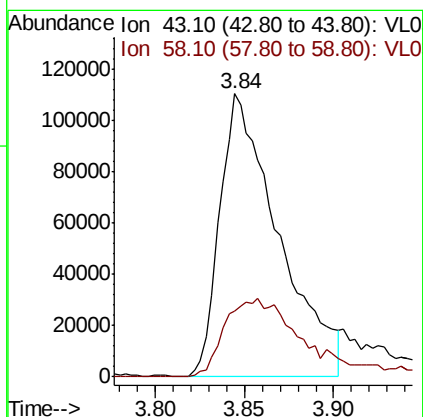
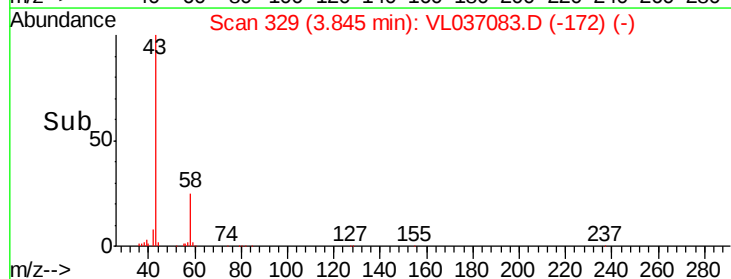
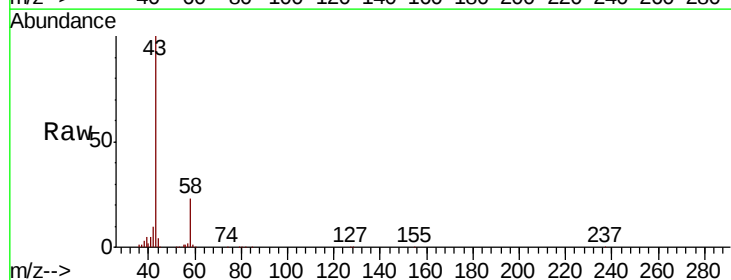
Instrument :
MSVOA_L
ClientSampleId :

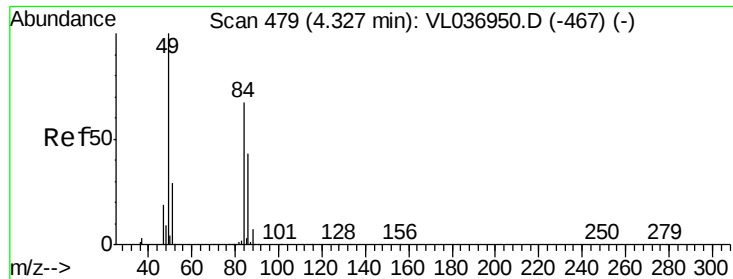
Tot Ion: 45 Resp: 15546
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#15
Acetone
Concen: 1.609 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

Tgt Ion: 43 Resp: 251851
Ion Ratio Lower Upper
43 100
58 40.2 24.0 36.0#

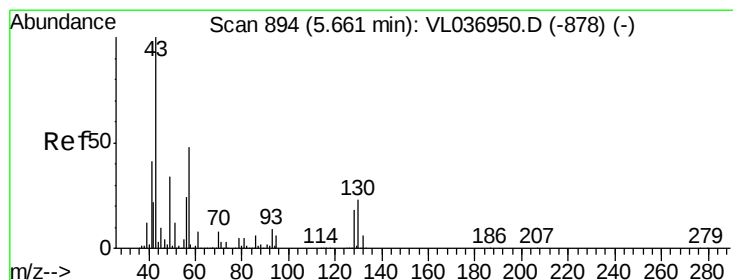
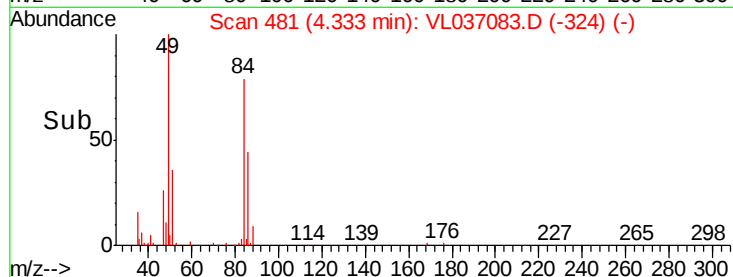
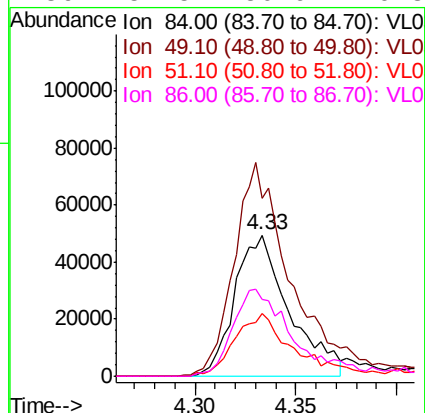
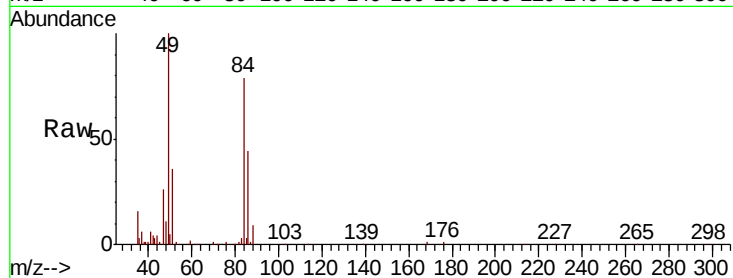




#20
Methylene Chloride
Concen: 1.114 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

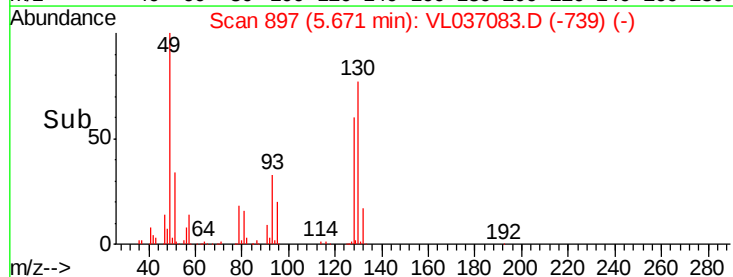
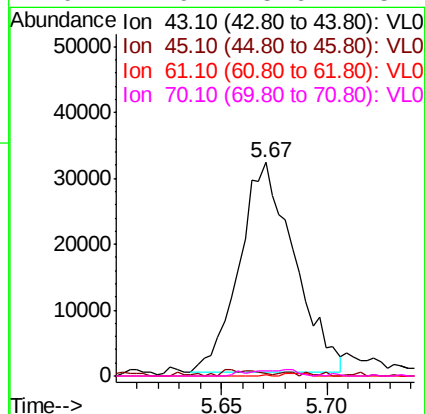
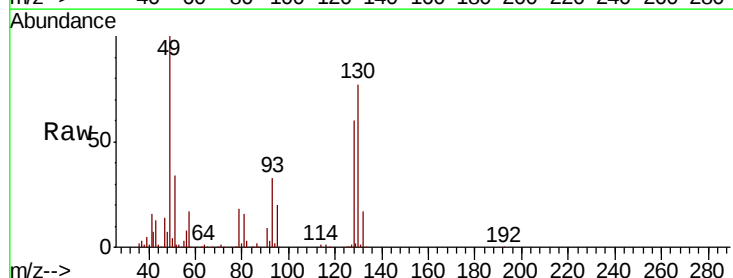
Instrument :
MSVOA_L
ClientSampleId :

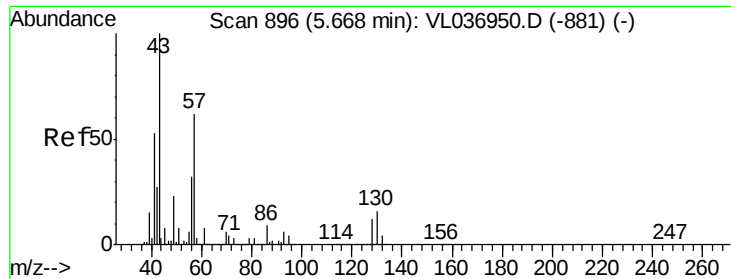
Tot Ion:	84	Resp:	93409
Ion	Ratio	Lower	Upper
84	100		
49	124.8	119.8	179.6
51	44.8	35.1	52.7
86	54.5	50.9	76.3



#25
Ethyl Acetate
Concen: 0.154 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

Tgt Ion:	43	Resp:	58019
Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.8	11.8#
61	0.6	7.8	11.8#
70	2.9	5.6	8.4#

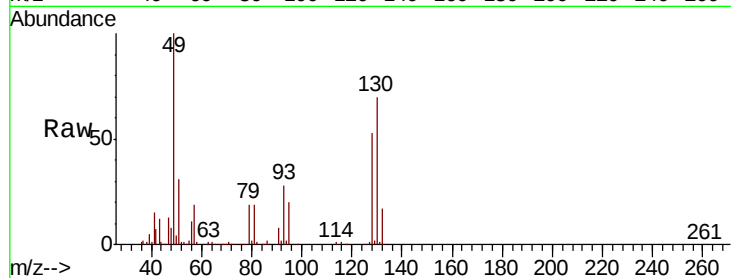




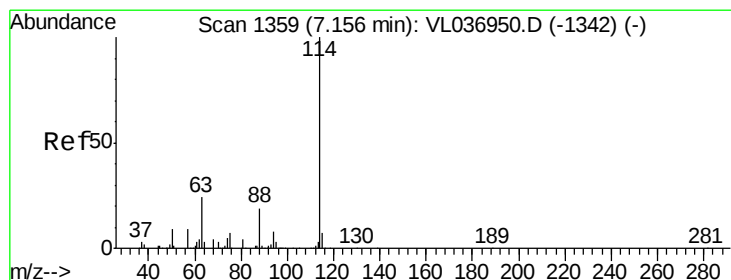
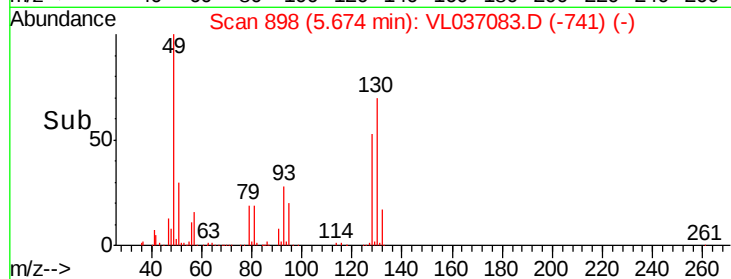
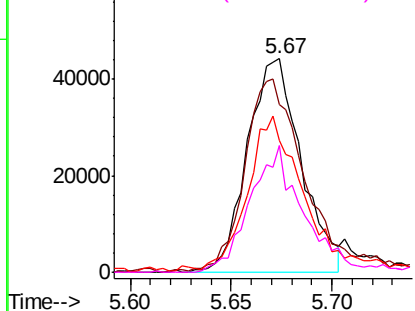
#26
Hexane
Concen: 0.428 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 82260
Ion Ratio Lower Upper
57 100
41 104.7 70.5 105.7
43 83.0 165.8 248.8#
56 61.3 42.2 63.4

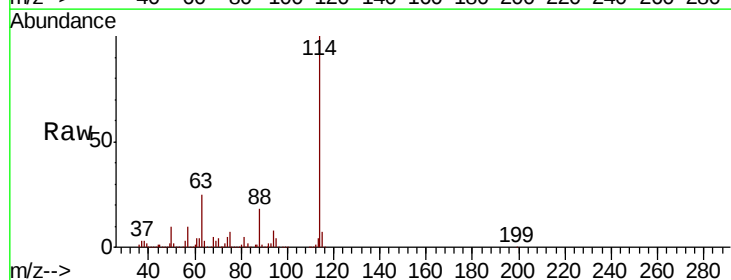


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

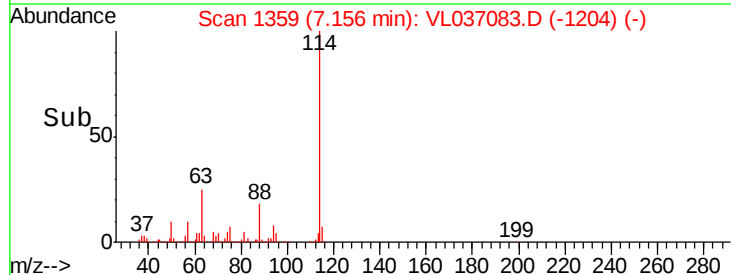
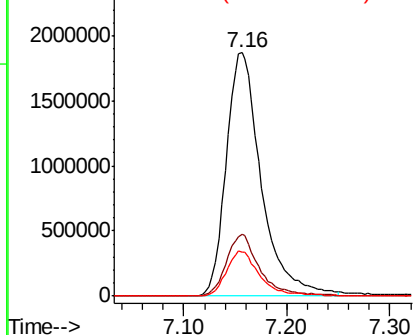


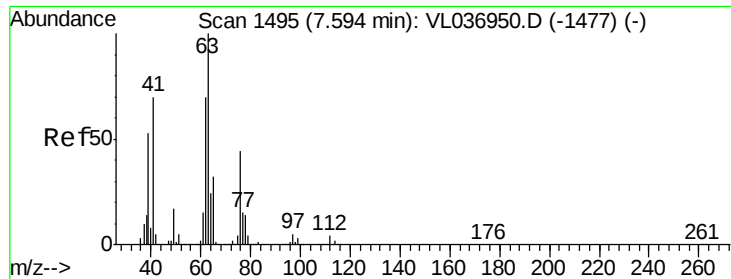
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037083.D
Acq: 1 Jun 2021 23:35

Tgt Ion:114 Resp: 4431290
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 18.0 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

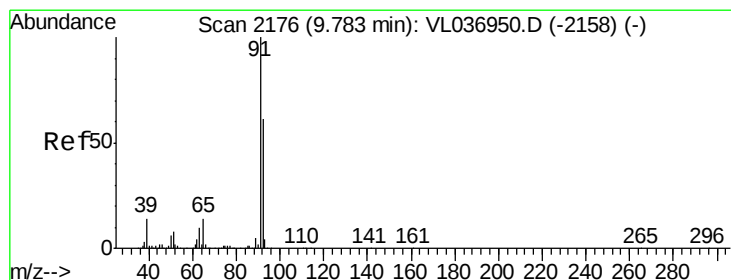
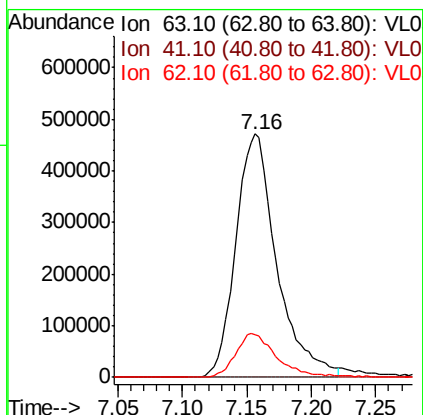
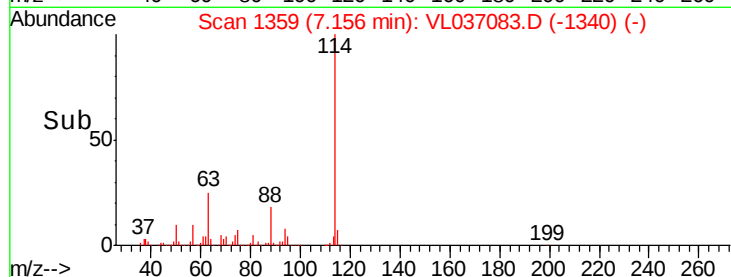
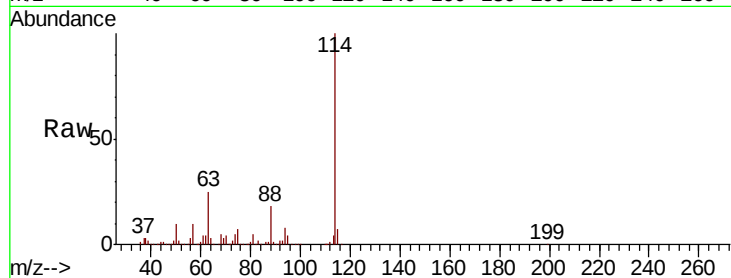




#39
 1,2-Dichloropropane
 Concen: 7.084 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037083.D
 Acq: 1 Jun 2021 23:35

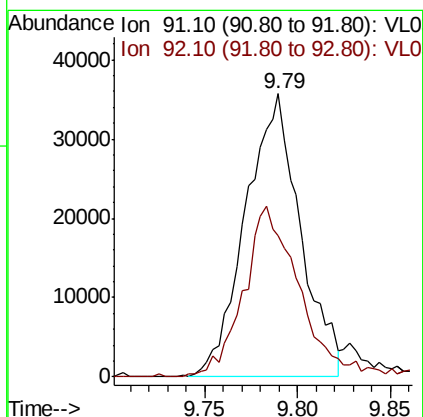
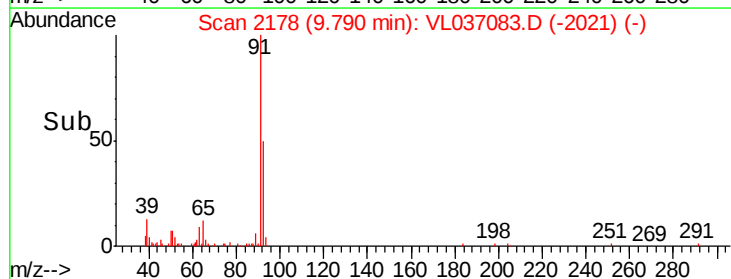
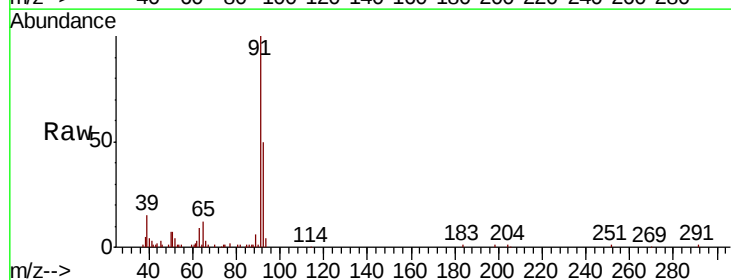
Instrument :
 MSVOA_L
 ClientSampleId :

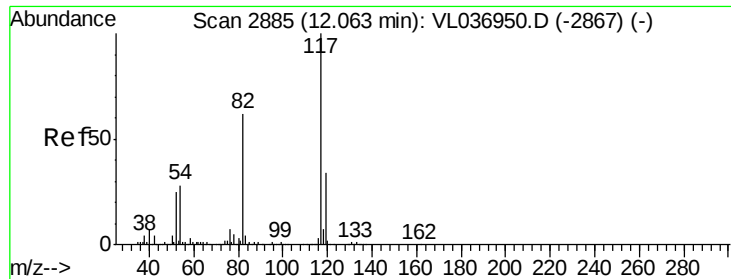
Tot Ion: 63 Resp: 1041564
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.4 56.2 84.4#



#53
 Toluene
 Concen: 0.162 ppbv
 RT: 9.79 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VL037083.D
 Acq: 1 Jun 2021 23:35

Tgt Ion: 91 Resp: 73431
 Ion Ratio Lower Upper
 91 100
 92 62.5 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: VL037083.D

Acq: 1 Jun 2021 23:35

Instrument :

MSVOA_L

ClientSampleId :

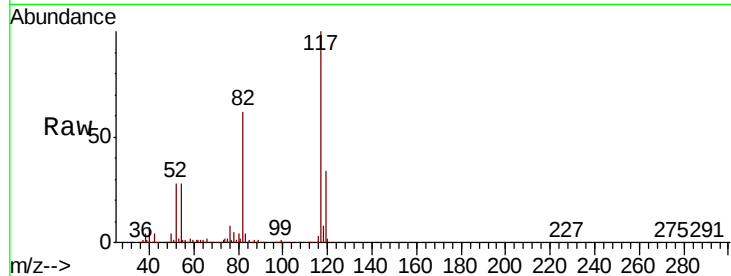
Tot Ion:117 Resp: 3933982

Ion Ratio Lower Upper

117 100

82 65.0 52.6 79.0

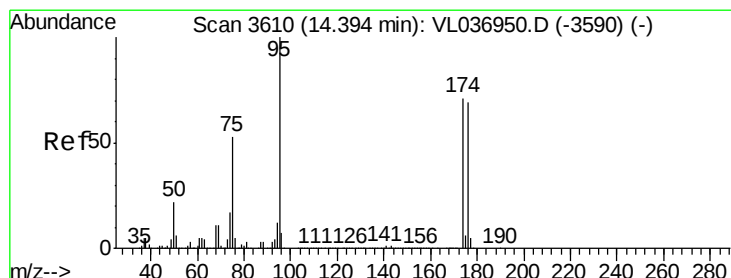
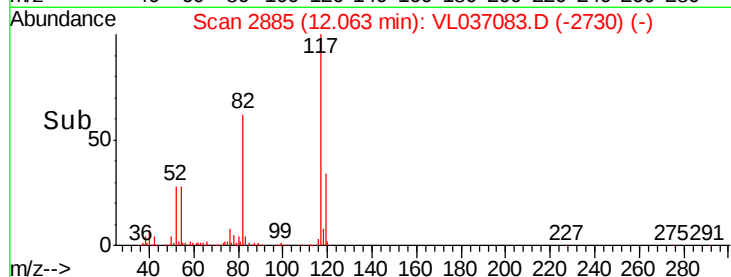
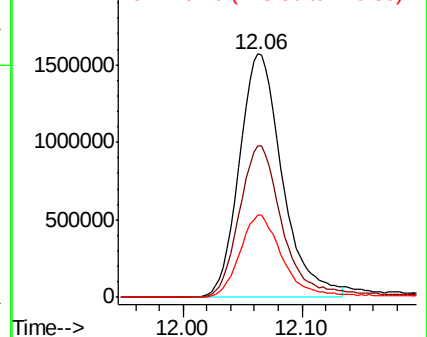
119 35.0 46.6 70.0#



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: 9.871 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037083.D

Acq: 1 Jun 2021 23:35

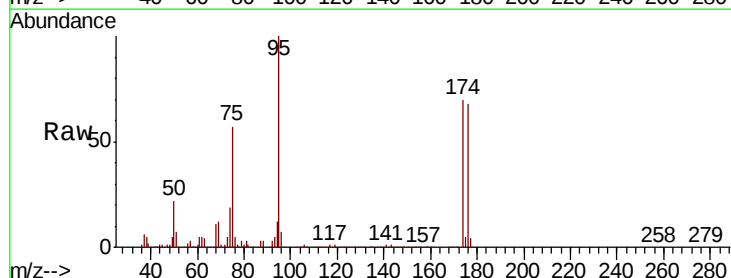
Tgt Ion: 95 Resp: 2917207

Ion Ratio Lower Upper

95 100

174 77.3 58.4 87.6

175 5.6 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

