

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037577.D
 Acq On : 8 Sep 2021 18:25
 Operator : SY/AP
 Sample : M3662-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Sep 09 09:12:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1571788	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4674828	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4092614	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2890236	9.94	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

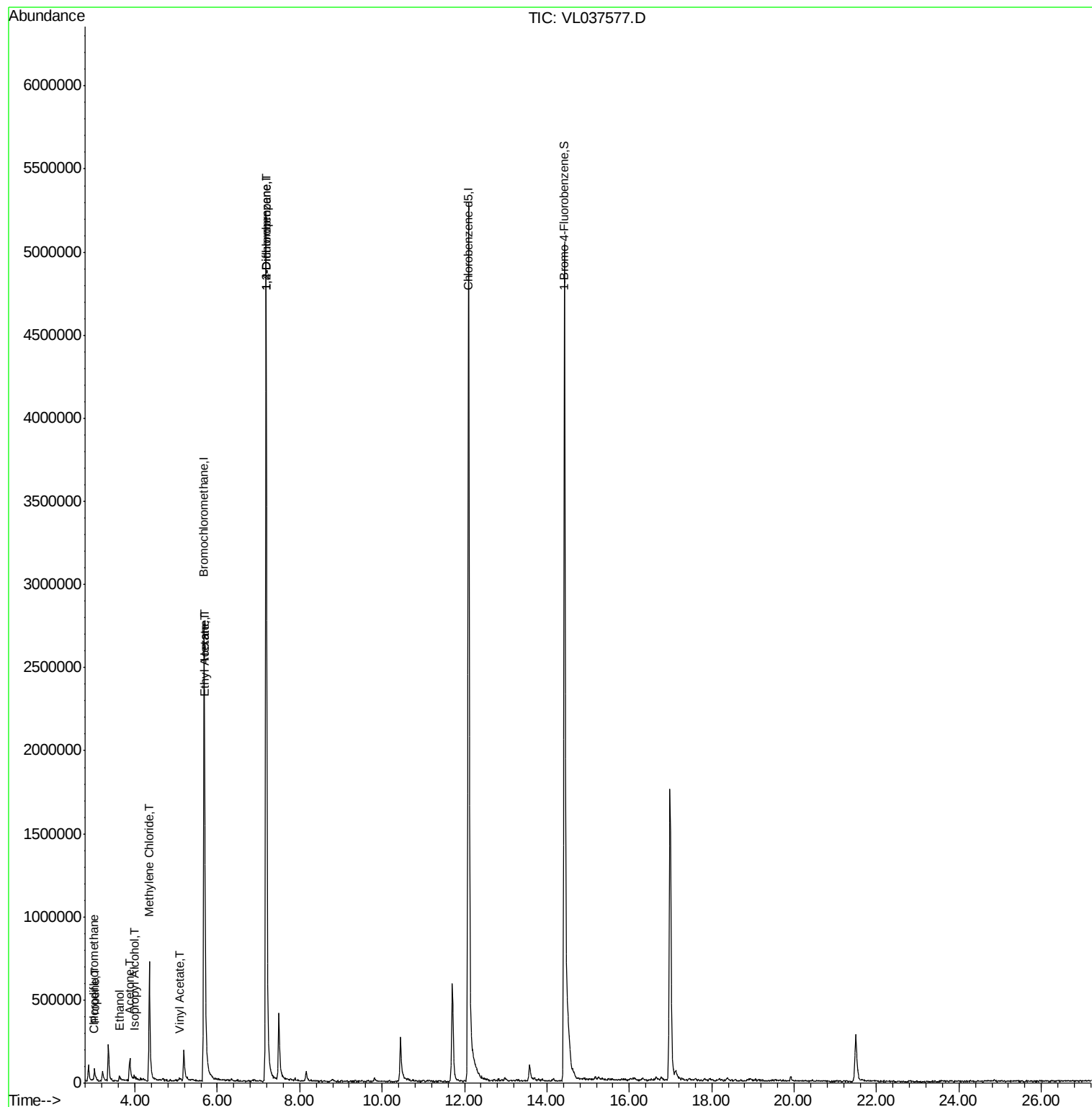
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	20369	0.068	ppbv #	86
9) Propene	3.01	41	9708	0.090	ppbv #	36
13) Ethanol	3.62	45	18858	1.800	ppbv #	29
15) Acetone	3.87	43	144184	0.901	ppbv #	44
19) Isopropyl Alcohol	3.98	45	3774	0.041	ppbv #	95
20) Methylene Chloride	4.35	84	292105	3.647	ppbv	90
23) Vinyl Acetate	5.08	43	7770	0.033	ppbv #	73
25) Ethyl Acetate	5.70	43	156720	0.386	ppbv #	77
26) Hexane	5.70	57	197687	0.996	ppbv #	48
39) 1,2-Dichloropropane	7.19	63	1099489	7.281	ppbv #	27

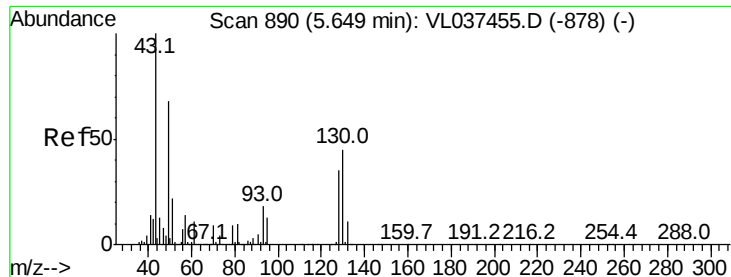
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

Instrument :

MSVOA_L

ClientSampleId :

QA-1DL

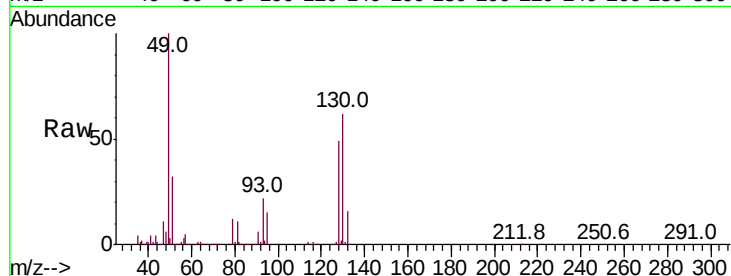
Tot Ion: 49 Resp: 1571788

Ion Ratio Lower Upper

49 100

128 53.1 27.5 82.4

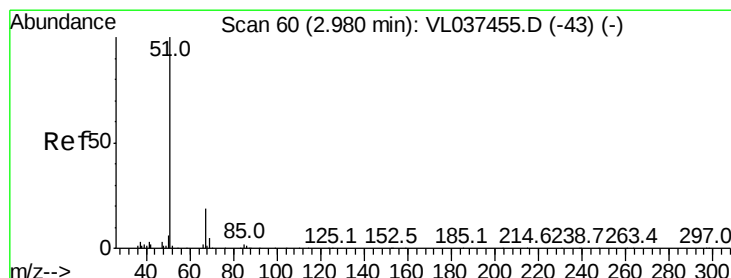
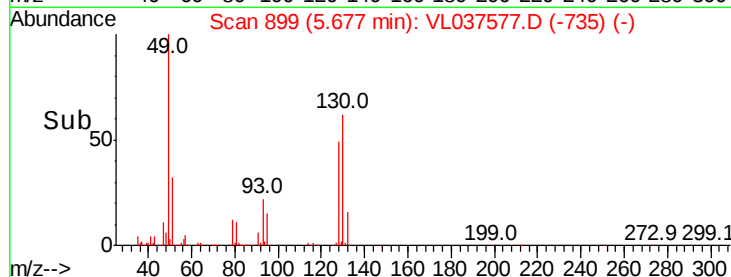
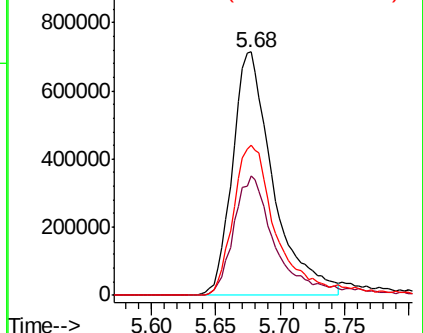
130 67.6 34.0 101.8



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



#3

Chlorodifluoromethane

Concen: 0.068 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037577.D

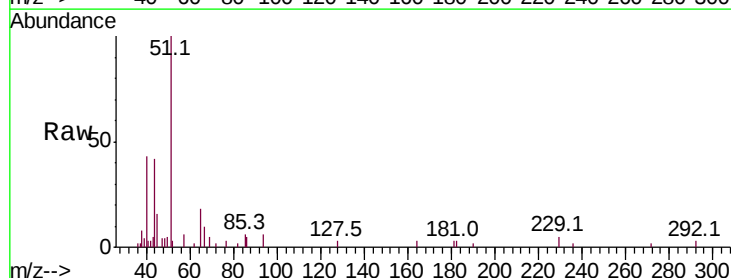
Acq: 8 Sep 2021 18:25

Tgt Ion: 51 Resp: 20369

Ion Ratio Lower Upper

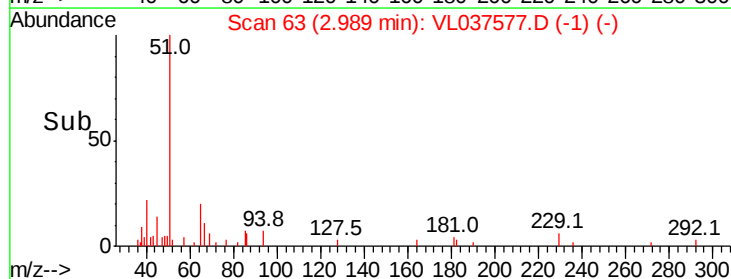
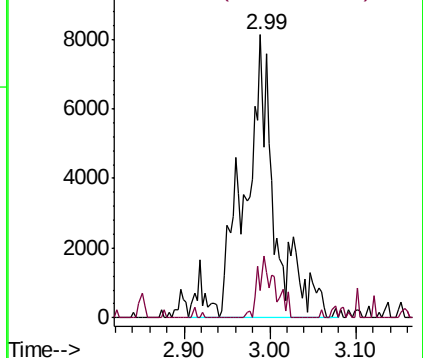
51 100

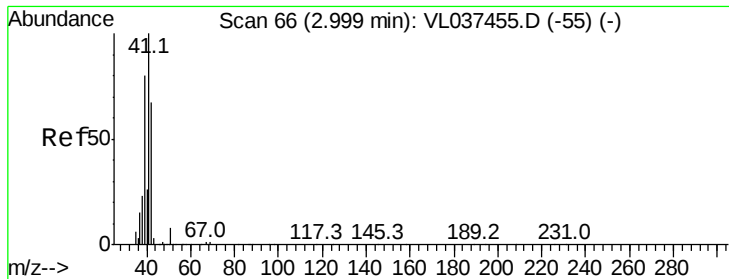
67 11.7 14.2 21.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.090 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

Instrument :

MSVOA_L

ClientSampleId :

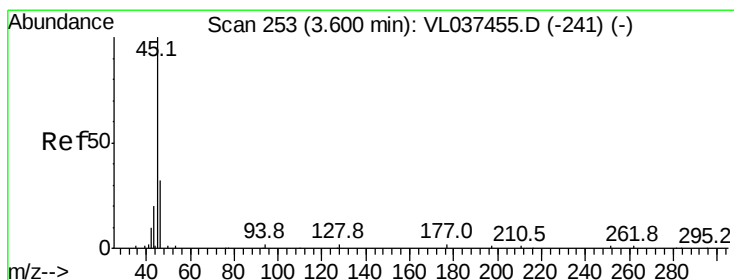
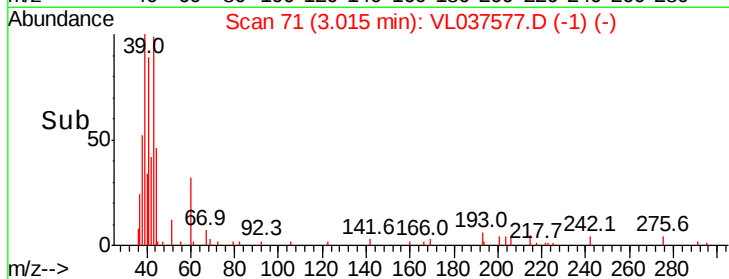
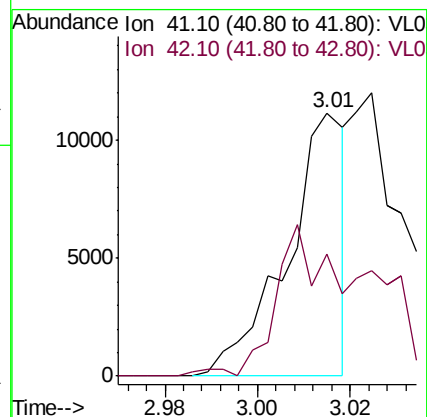
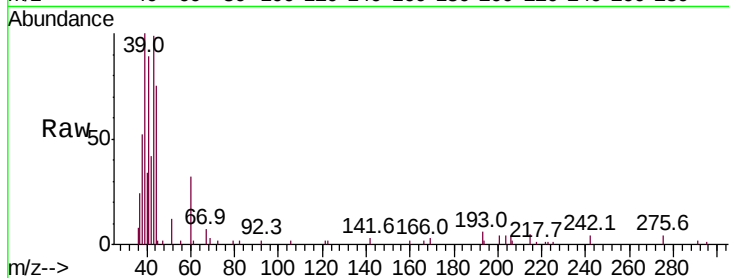
QA-1DL

Tot Ion: 41 Resp: 9708

Ion Ratio Lower Upper

41 100

42 118.7 53.7 80.5#



#13

Ethanol

Concen: 1.800 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037577.D

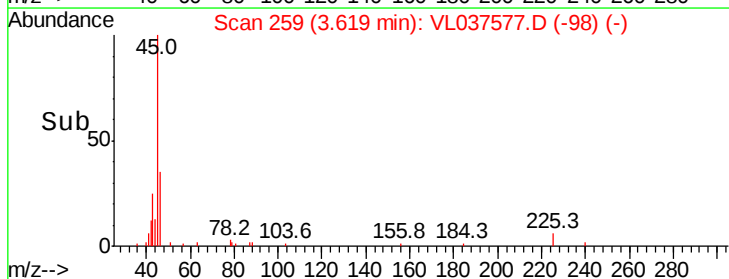
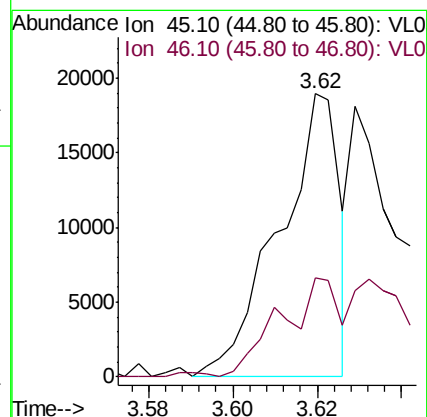
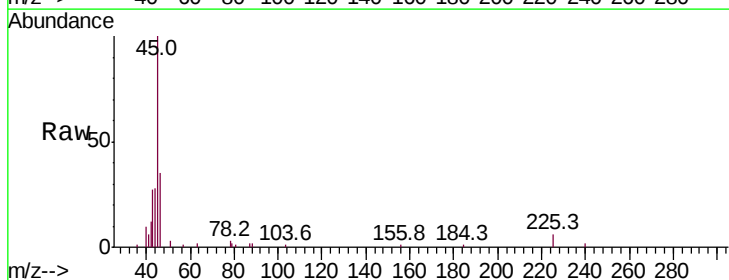
Acq: 8 Sep 2021 18:25

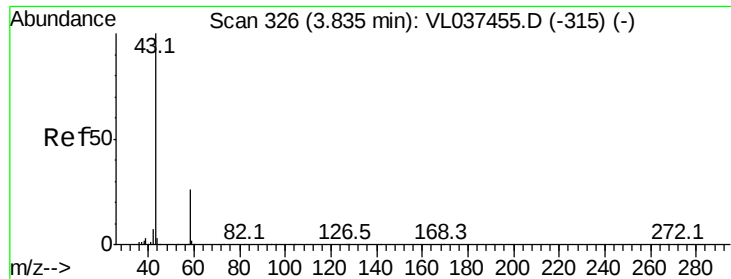
Tgt Ion: 45 Resp: 18858

Ion Ratio Lower Upper

45 100

46 76.6 14.1 56.5#

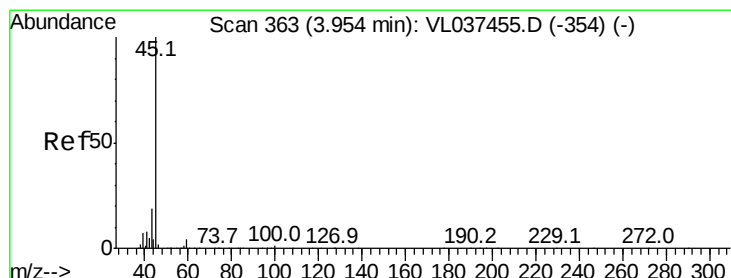
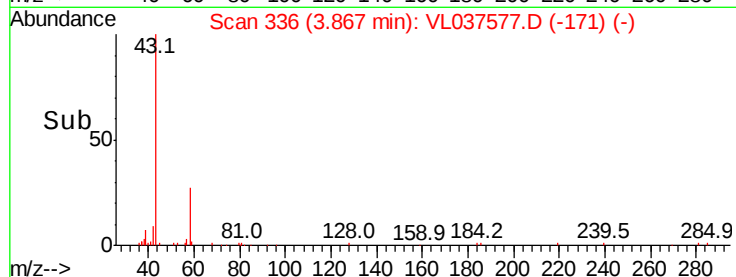
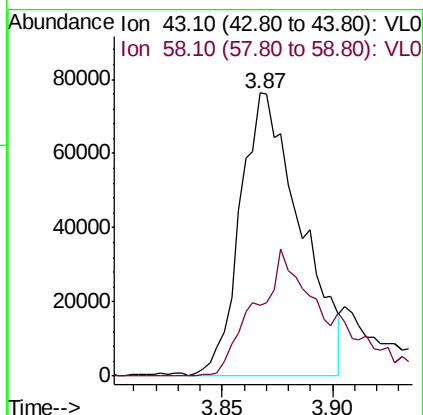
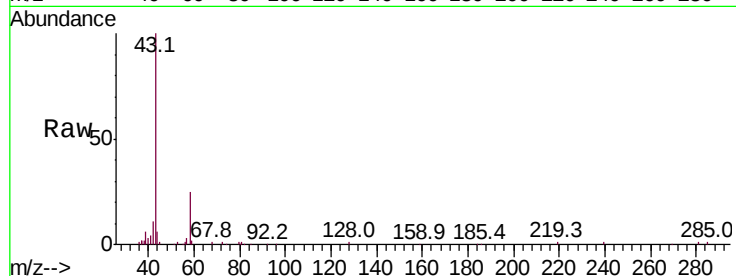




#15
Acetone
Concen: 0.901 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

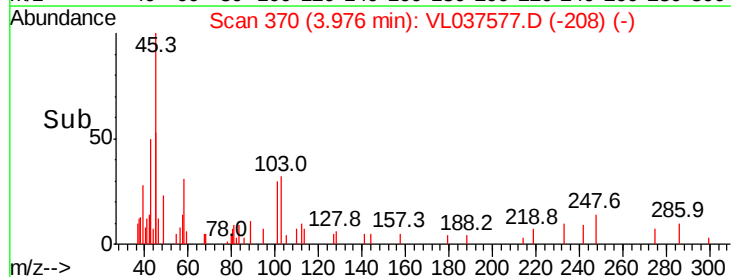
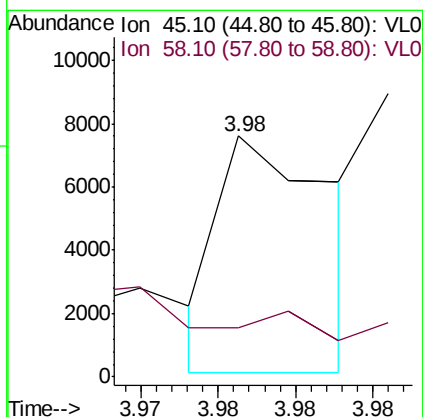
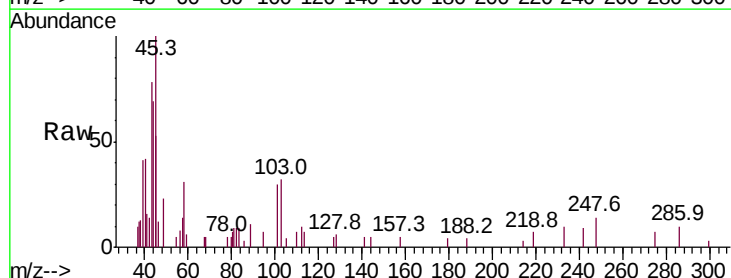
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

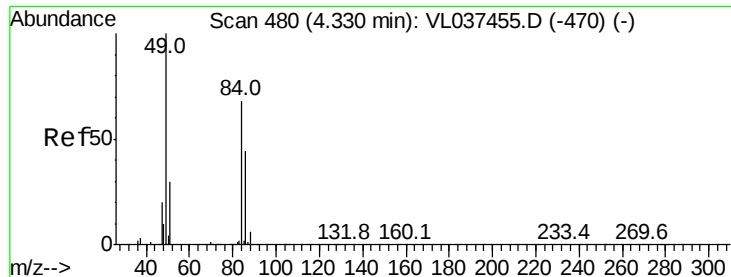
Tot Ion: 43 Resp: 144184
Ion Ratio Lower Upper
43 100
58 62.0 24.8 37.2#



#19
Isopropyl Alcohol
Concen: 0.041 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

Tgt Ion: 45 Resp: 3774
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

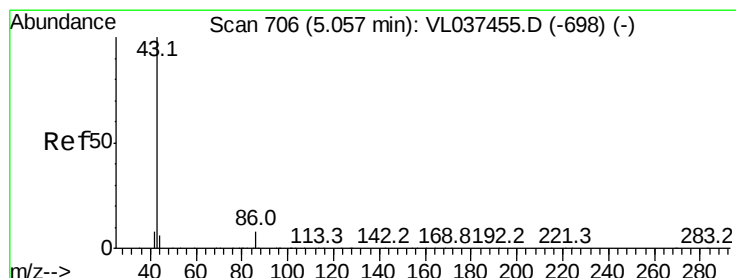
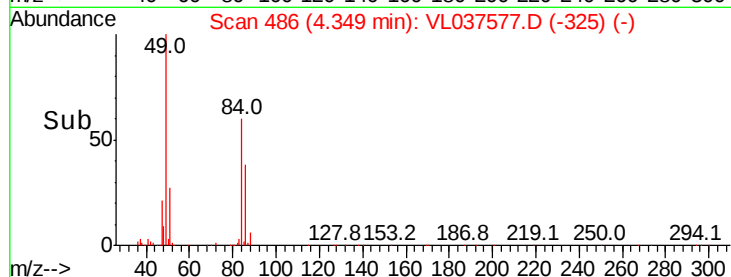
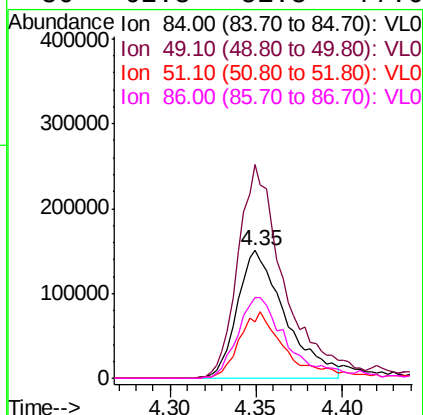
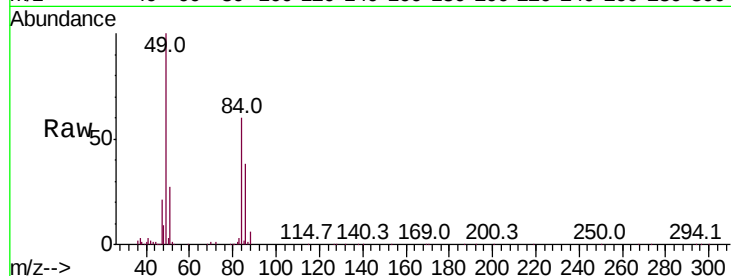




#20
Methvlene Chloride
Concen: 3.647 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

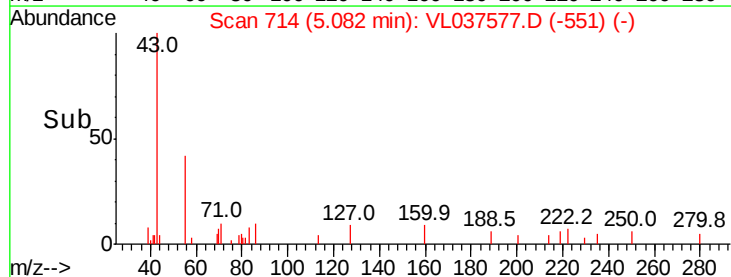
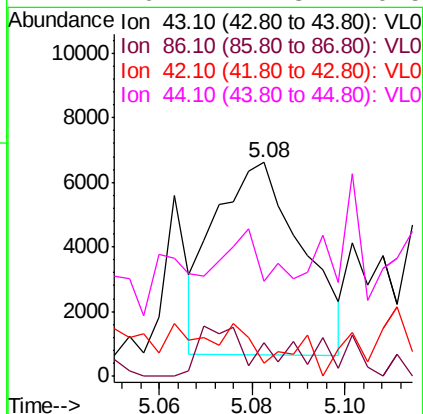
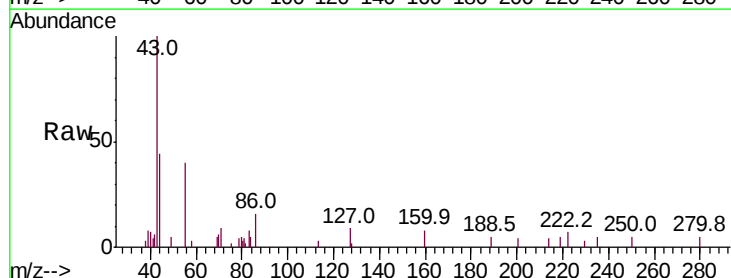
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

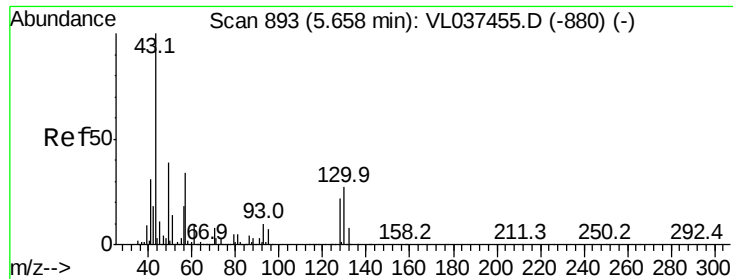
Tot Ion:	84	Resp:	292105
Ion	Ratio	Lower	Upper
84	100		
49	167.2	118.2	177.2
51	44.2	36.6	55.0
86	62.8	51.8	77.6



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.03 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

Tgt Ion:	43	Resp:	7770
Ion	Ratio	Lower	Upper
43	100		
86	20.2	5.7	8.5#
42	0.0	7.4	11.2#
44	0.2	4.3	6.5#

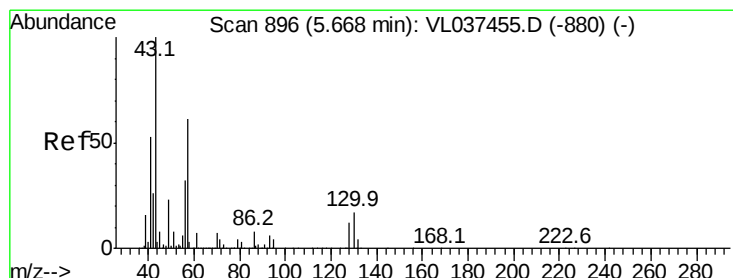
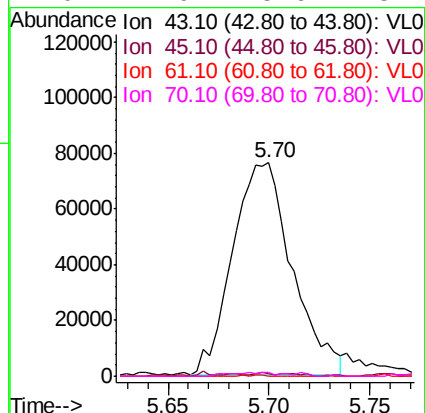
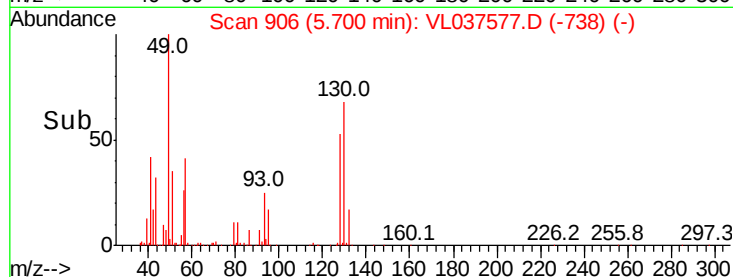
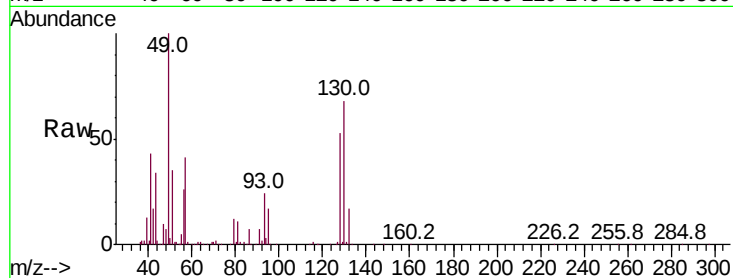




#25
Ethyl Acetate
Concen: 0.386 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

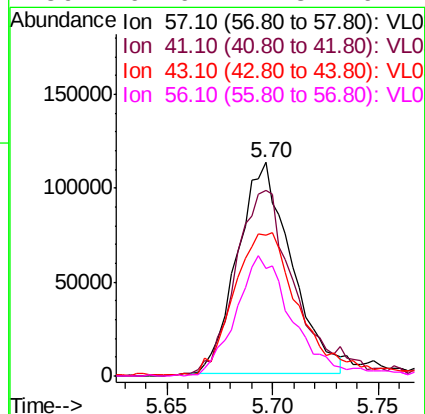
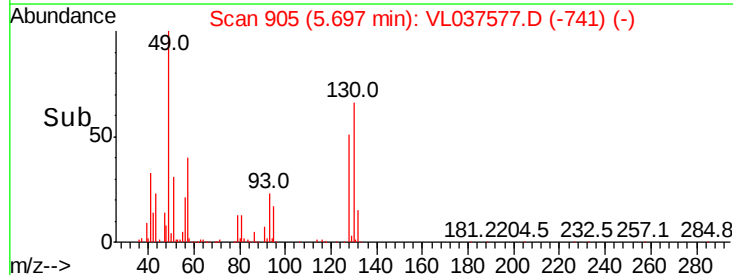
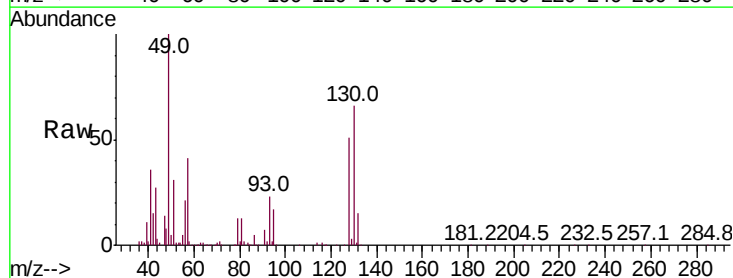
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

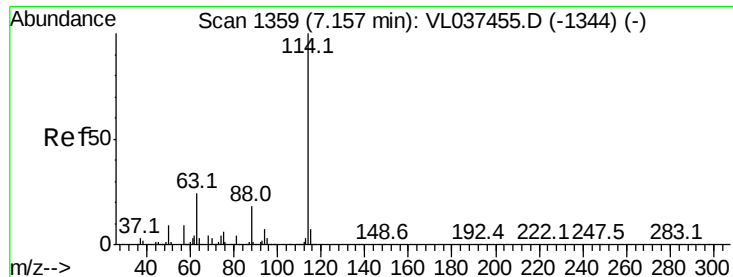
Tot Ion:	43	Resp:	156720
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.0	12.0#
61	0.0	8.0	12.0#
70	1.9	5.6	8.4#



#26
Hexane
Concen: 0.996 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037577.D
Acq: 8 Sep 2021 18:25

Tgt Ion:	57	Resp:	197687
Ion	Ratio	Lower	Upper
57	100		
41	100.4	72.3	108.5
43	88.4	172.3	258.5#
56	61.6	42.8	64.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

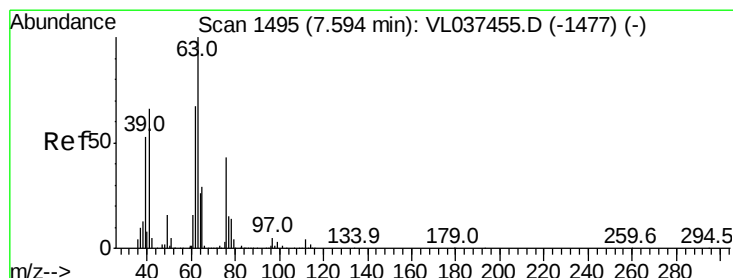
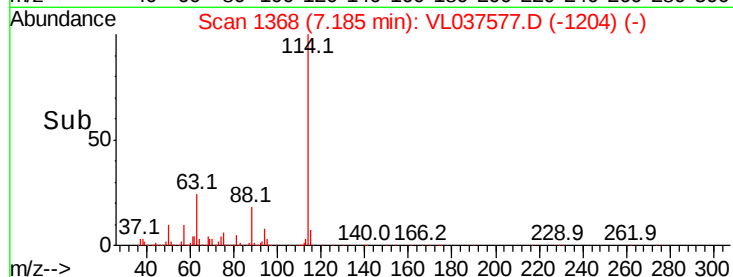
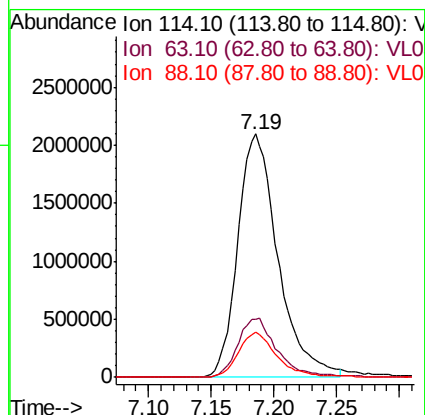
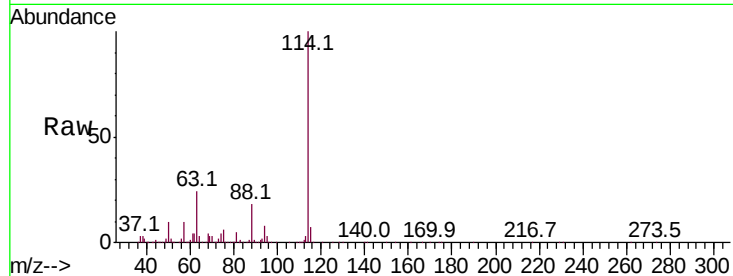
Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

Tot Ion:114 Resp: 4674828

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	18.2	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.281 ppbv

RT: 7.19 min Scan# 1369

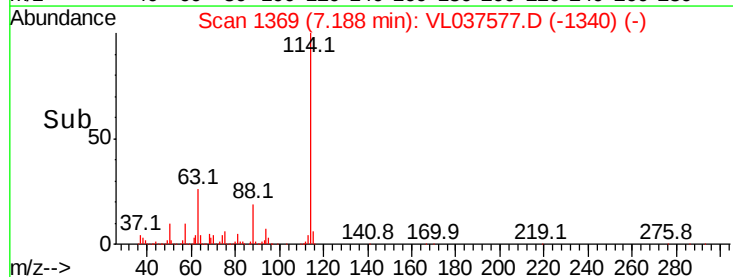
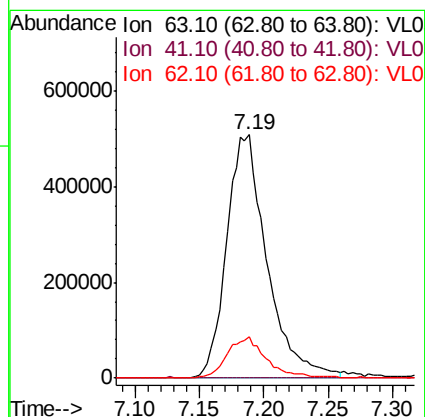
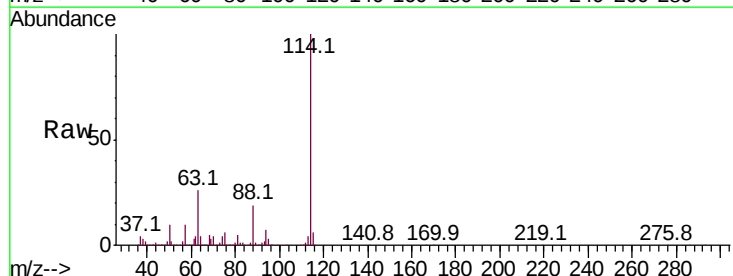
Delta R.T. -0.41 min

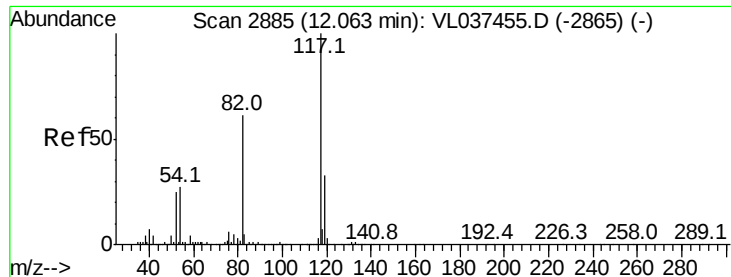
Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

Tgt Ion: 63 Resp: 1099489

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	16.8	53.6	80.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.04 min

Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

Instrument :

MSVOA_L

ClientSampleId :

QA-1DL

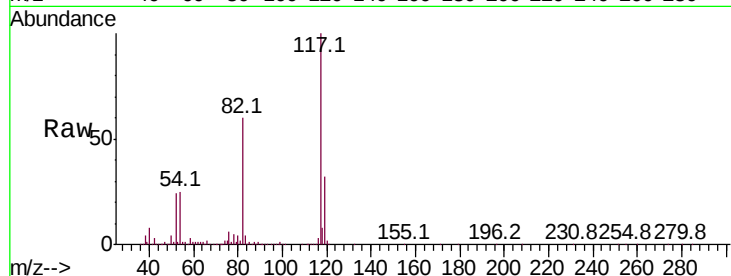
Tot Ion:117 Resp: 4092614

Ion Ratio Lower Upper

117 100

82 67.0 52.9 79.3

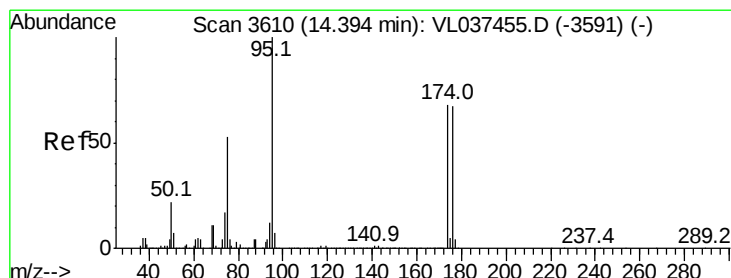
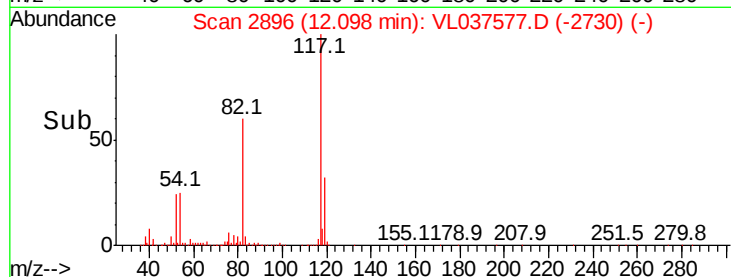
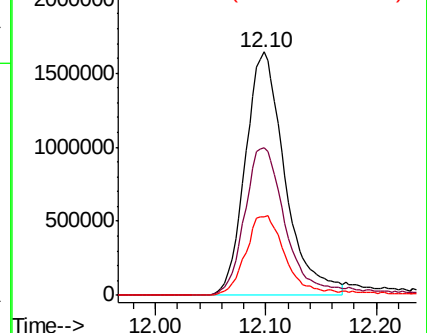
119 35.0 24.8 37.2



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: 9.940 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037577.D

Acq: 8 Sep 2021 18:25

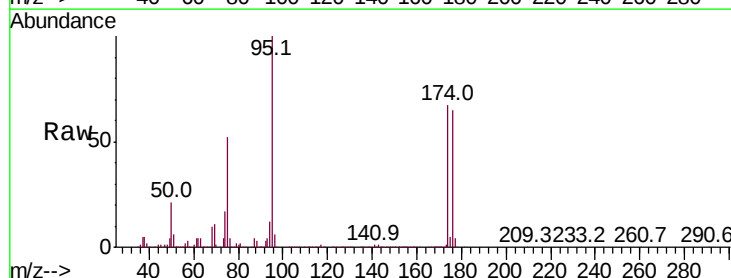
Tgt Ion: 95 Resp: 2890236

Ion Ratio Lower Upper

95 100

174 79.1 59.6 89.4

175 6.0 4.6 7.0



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

