

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037724.D
 Acq On : 29 Sep 2021 9:05
 Operator : SY/AP
 Sample : M3949-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18BDL

Quant Time: Sep 29 22:21:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1285086	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3764718	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3231004	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2201038	9.43	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

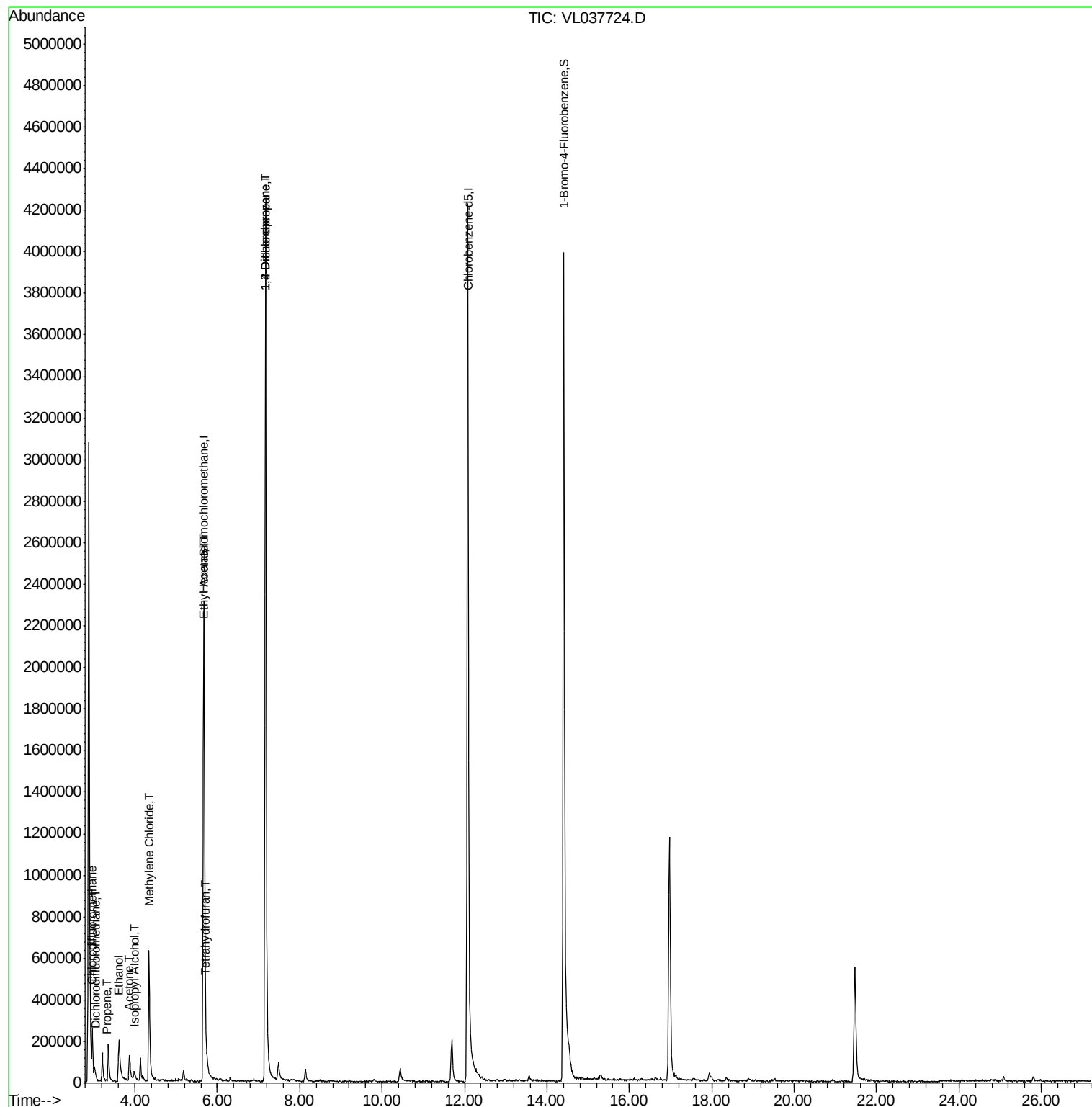
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	9386	0.040	ppbv	94
3) Chlorodifluoromethane	2.97	51	186520	0.769	ppbv #	61
9) Propene	3.30	41	3165	0.037	ppbv	85
13) Ethanol	3.61	45	206816	24.729	ppbv	74
15) Acetone	3.86	43	141146	1.057	ppbv #	86
19) Isopropyl Alcohol	3.97	45	15340	0.211	ppbv #	89
20) Methylene Chloride	4.34	84	251713	3.949	ppbv	97
25) Ethyl Acetate	5.69	43	207605	0.642	ppbv #	77
26) Hexane	5.68	57	303488	1.976	ppbv #	46
39) 1,2-Dichloropropane	7.17	63	876794	7.292	ppbv #	27
41) Tetrahydrofuran	5.73	42	2286	0.032	ppbv #	36

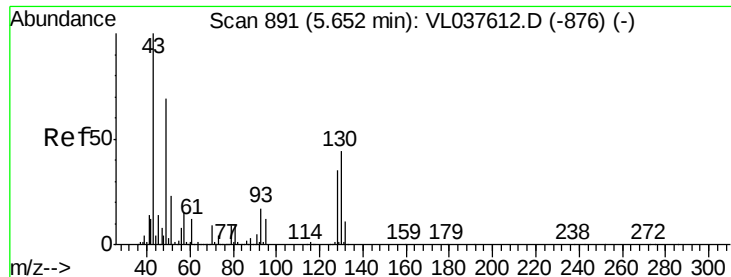
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-18BDL

Acq: 29 Sep 2021 9:05

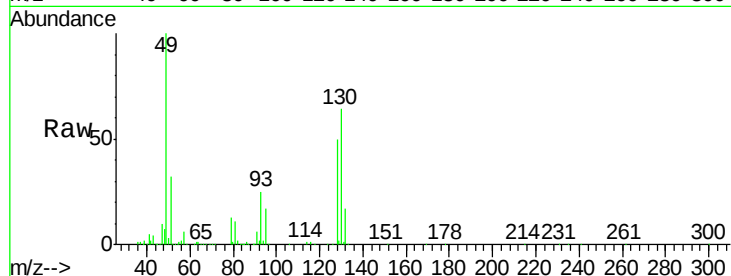
Tgt Ion: 49 Resp: 1285086

Ion Ratio Lower Upper

49 100

128 52.4 27.9 83.6

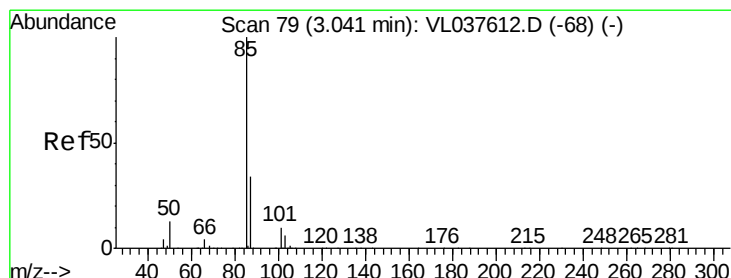
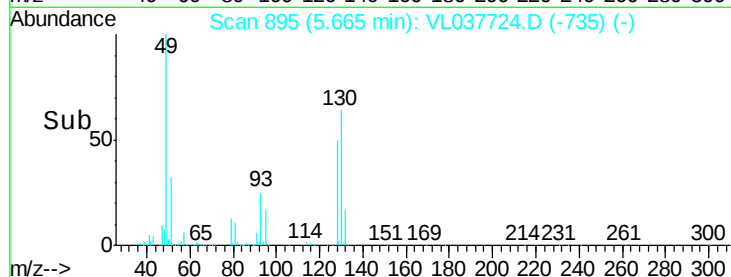
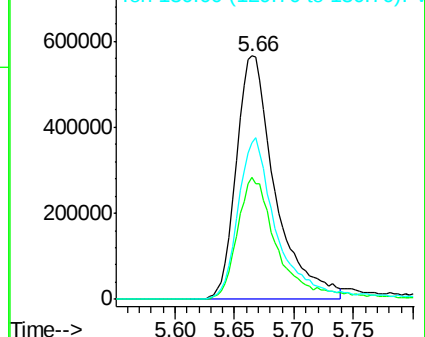
130 67.9 33.9 101.7



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: 0.040 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037724.D

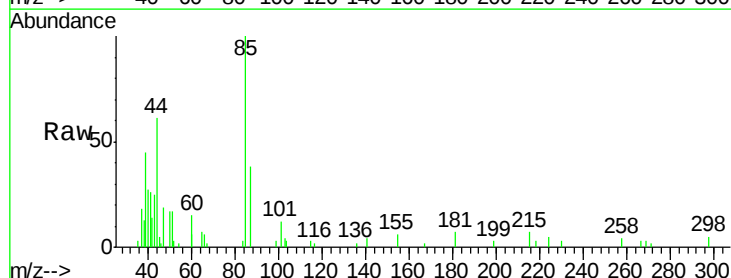
Acq: 29 Sep 2021 9:05

Tgt Ion: 85 Resp: 9386

Ion Ratio Lower Upper

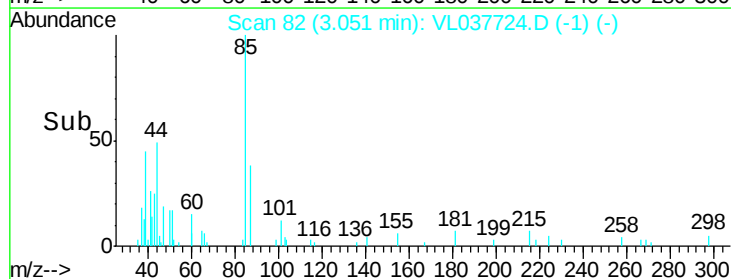
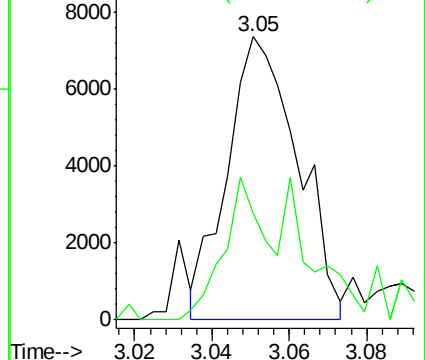
85 100

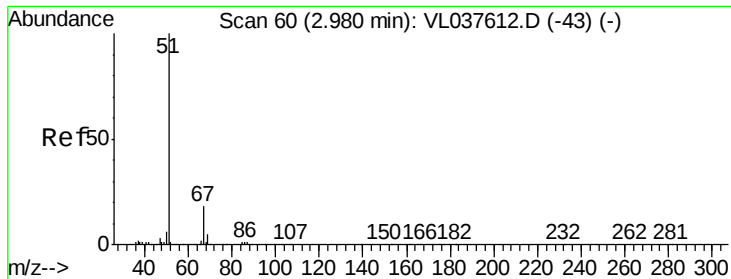
87 36.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.769 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

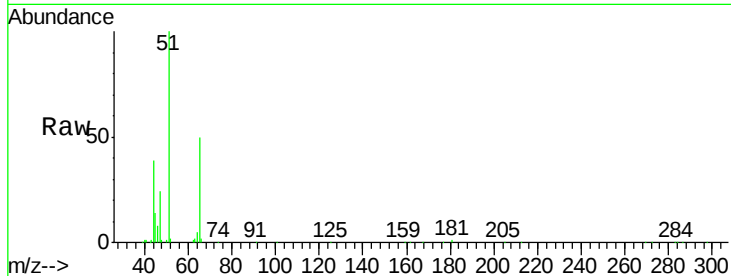
Acq: 29 Sep 2021 9:05

Tgt Ion: 51 Resp: 186520

Ion Ratio Lower Upper

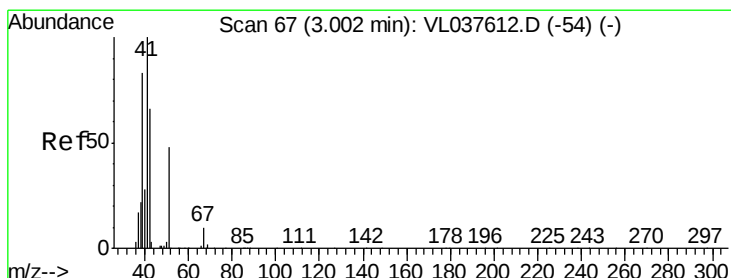
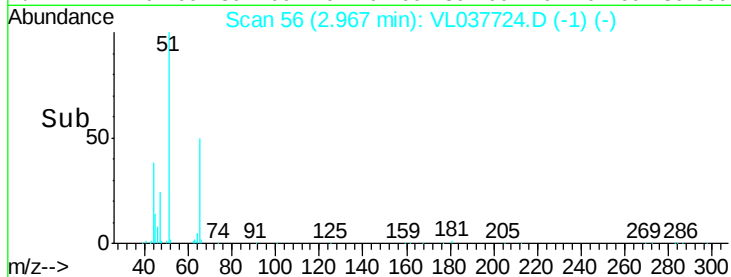
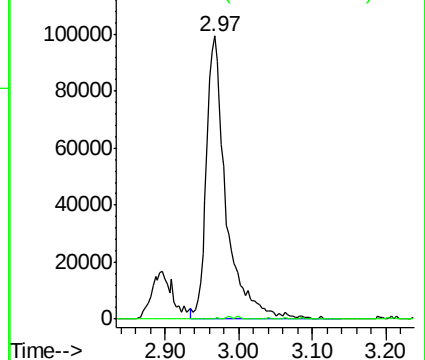
51 100

67 0.6 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.037 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.30 min

Lab File: VL037724.D

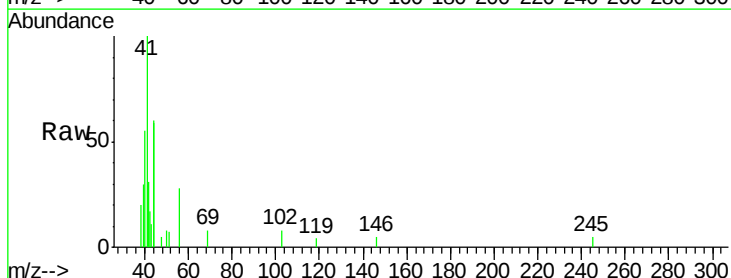
Acq: 29 Sep 2021 9:05

Tgt Ion: 41 Resp: 3165

Ion Ratio Lower Upper

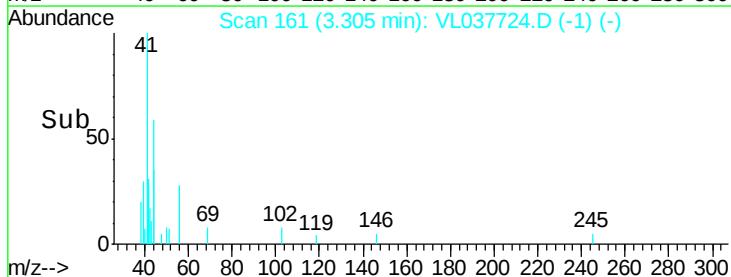
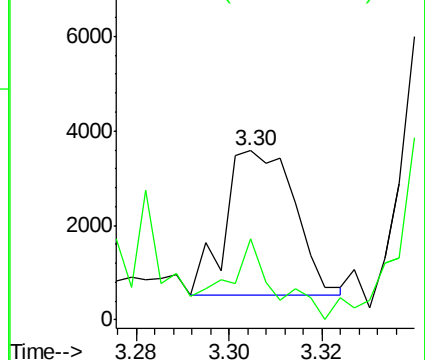
41 100

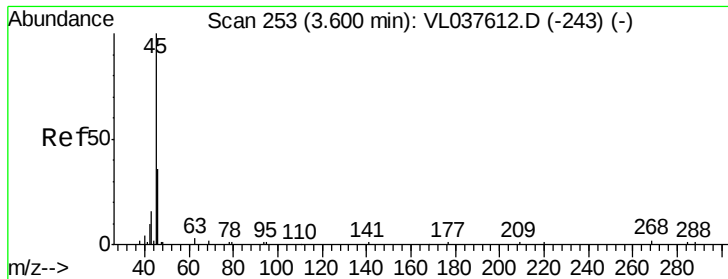
42 83.6 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

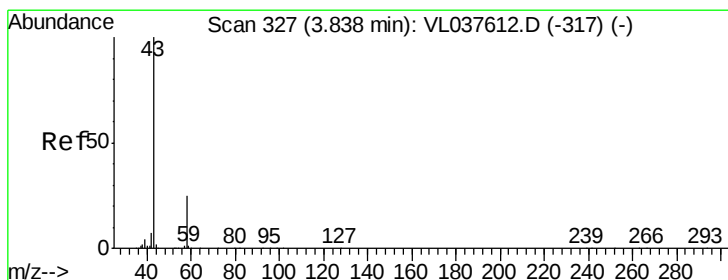
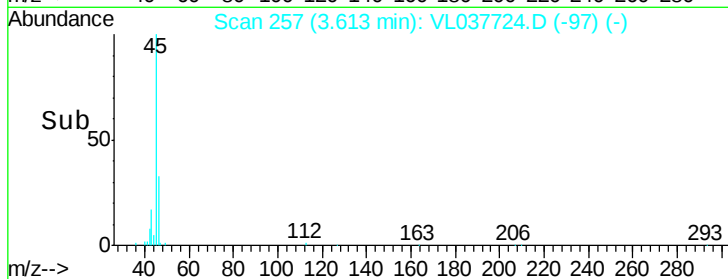
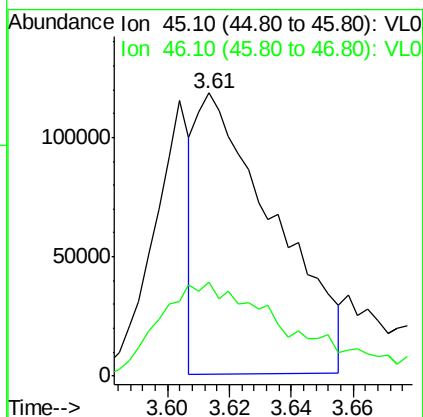
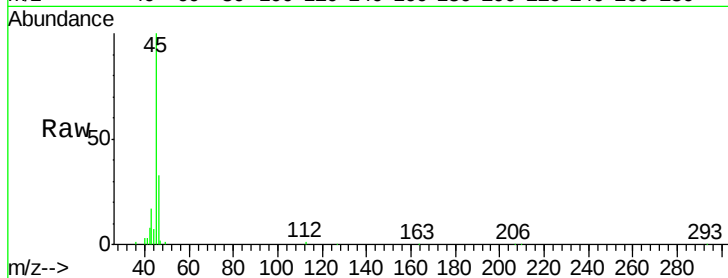
Ion 42.10 (41.80 to 42.80): VL0





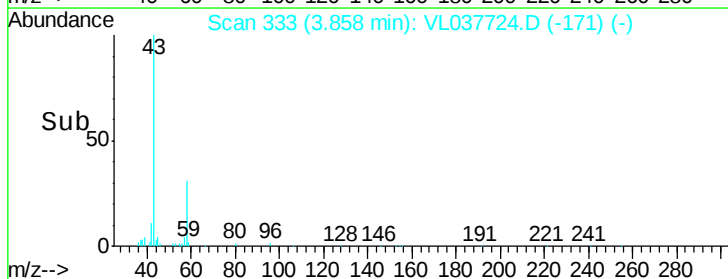
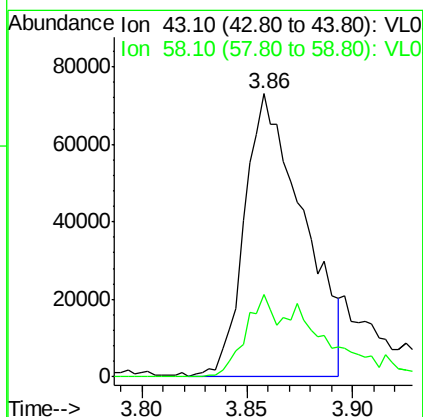
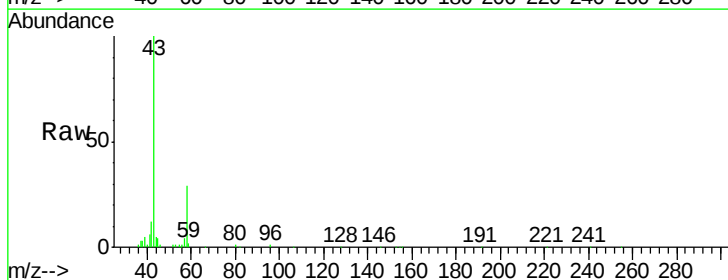
#13
Ethanol
Concen: 24.729 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 9:05

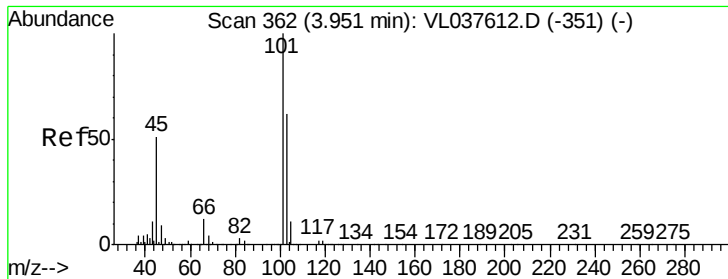
Tgt Ion: 45 Resp: 206816
Ion Ratio Lower Upper
45 100
46 59.5 17.2 68.8



#15
Acetone
Concen: 1.057 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037724.D
Acq: 29 Sep 2021 9:05

Tgt Ion: 43 Resp: 141146
Ion Ratio Lower Upper
43 100
58 38.8 24.9 37.3#





#19

Isopropyl Alcohol

Concen: 0.211 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

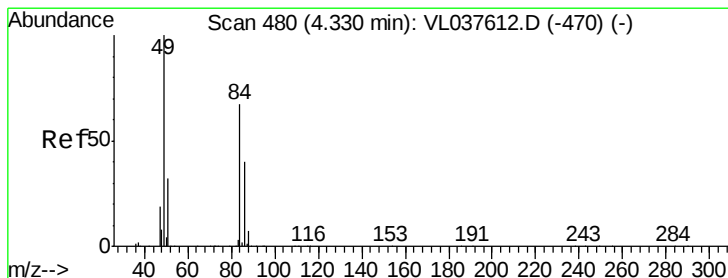
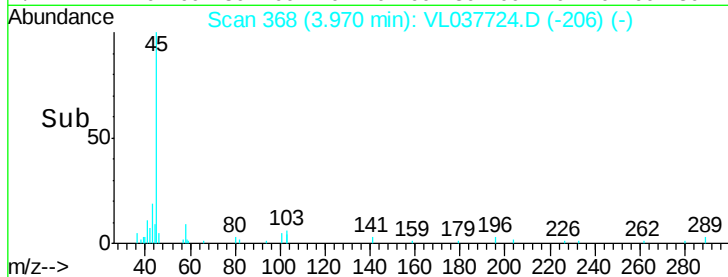
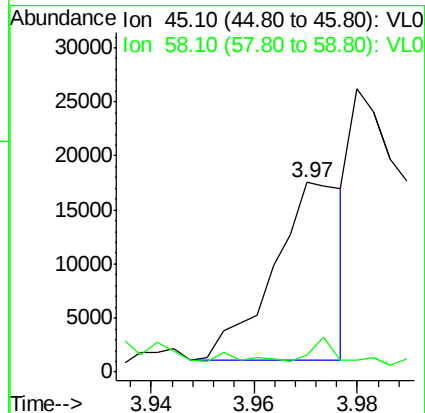
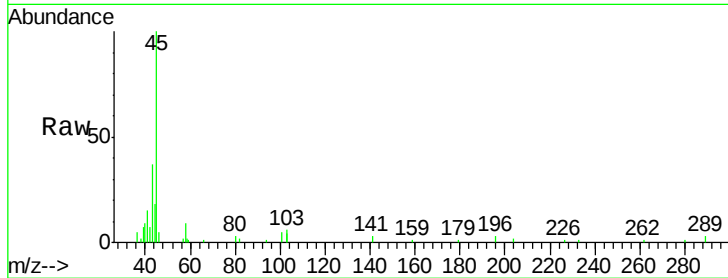
Acq: 29 Sep 2021 9:05

Tgt Ion: 45 Resp: 15340

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



#20

Methylene Chloride

Concen: 3.949 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037724.D

Acq: 29 Sep 2021 9:05

Tgt Ion: 84 Resp: 251713

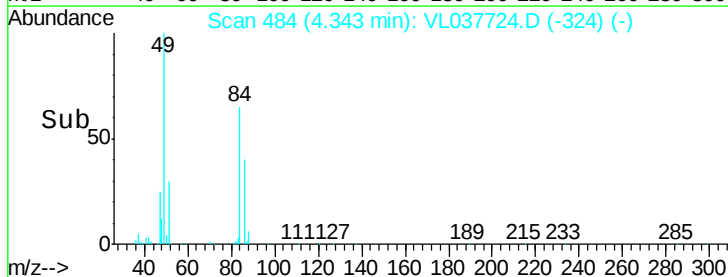
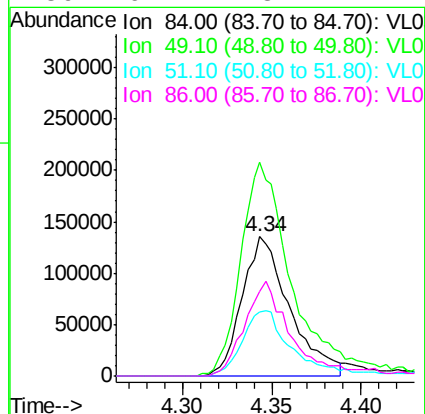
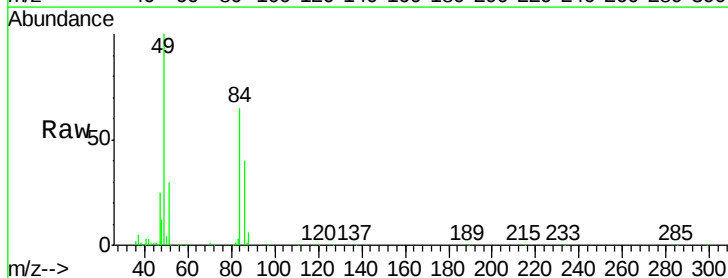
Ion Ratio Lower Upper

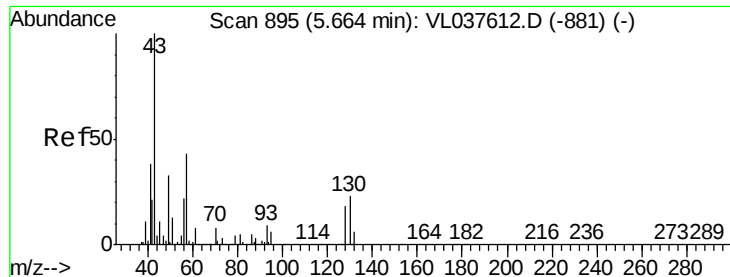
84 100

49 153.6 120.0 180.0

51 45.3 38.0 57.0

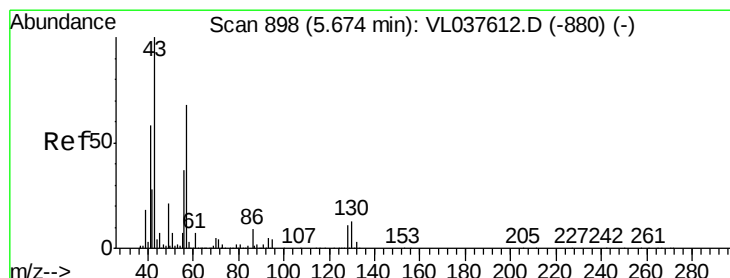
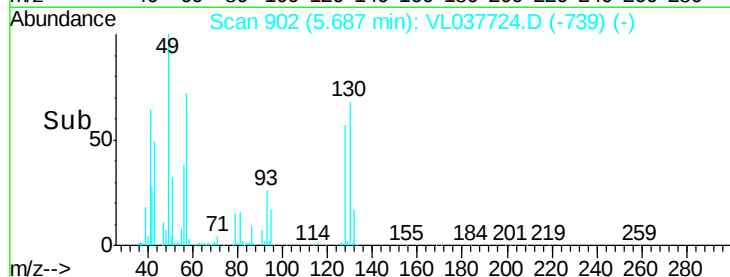
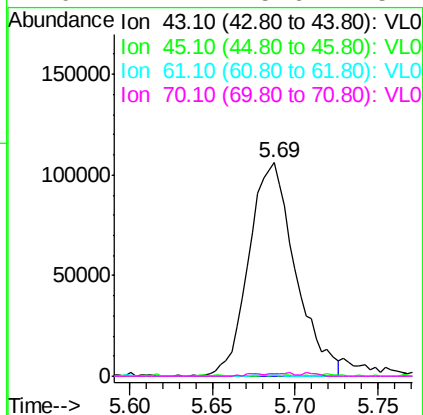
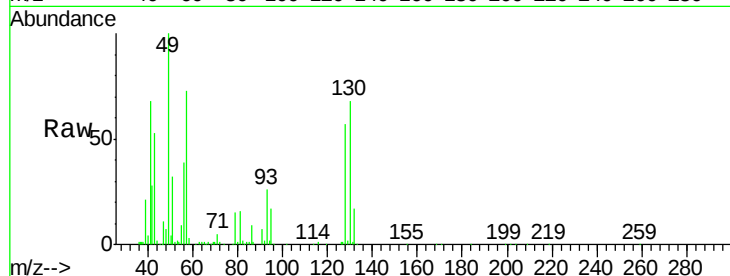
86 61.1 48.2 72.2





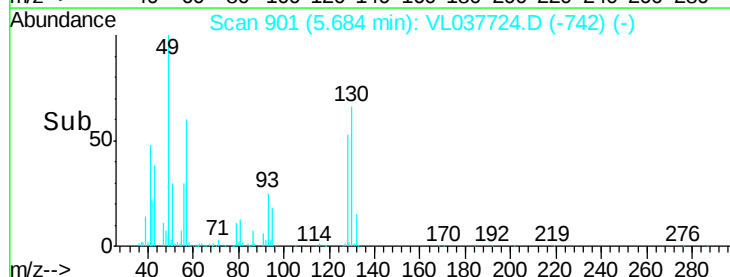
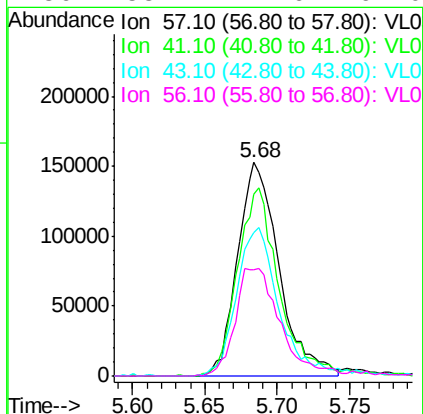
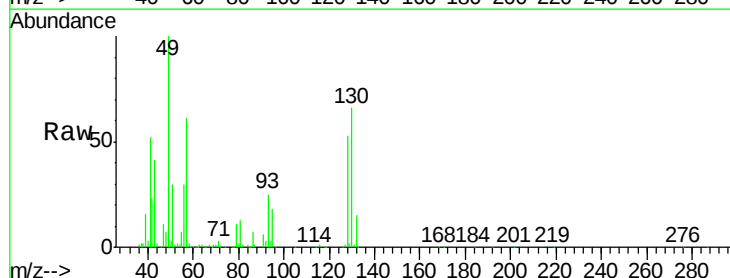
#25
Ethyl Acetate
Concen: 0.642 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 9:05

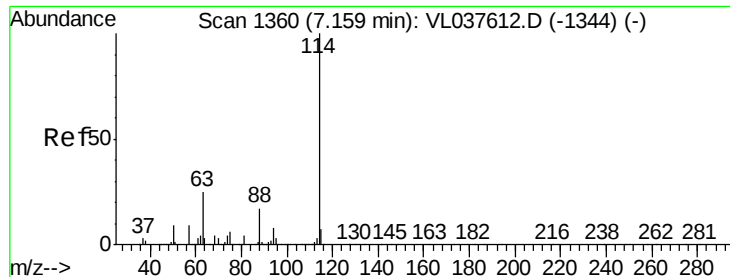
Tgt Ion:	43	Resp:	207605
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.0	12.0#
61	0.5	7.5	11.3#
70	1.7	5.6	8.4#



#26
Hexane
Concen: 1.976 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037724.D
Acq: 29 Sep 2021 9:05

Tgt Ion:	57	Resp:	303488
Ion	Ratio	Lower	Upper
57	100		
41	90.5	70.9	106.3
43	72.6	170.4	255.6#
56	55.7	42.6	64.0

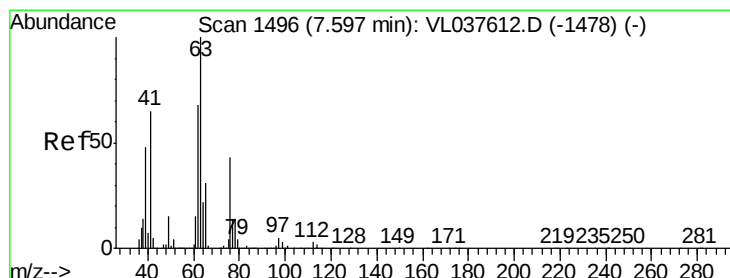
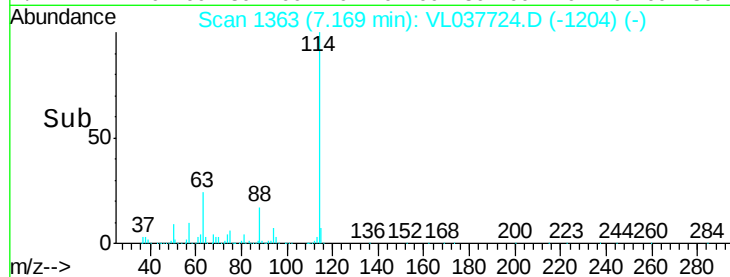
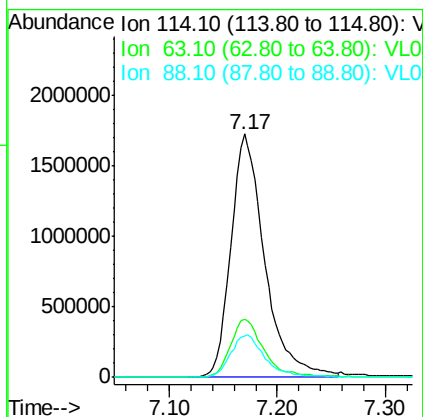
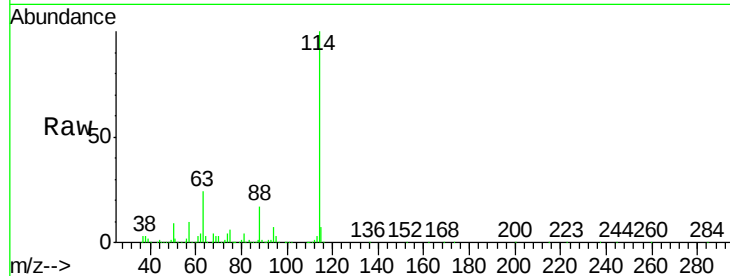




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Sep 2021 9:05

Tgt Ion: 114 Resp: 3764718

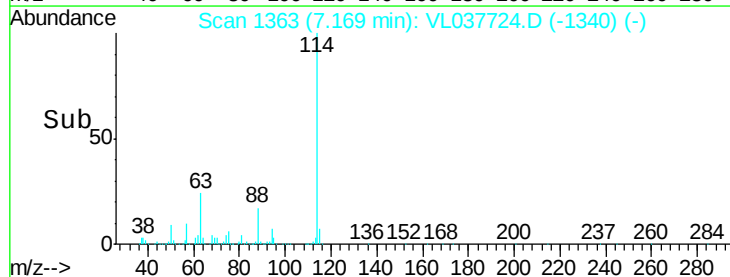
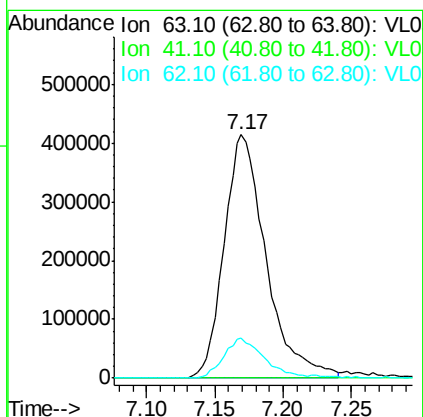
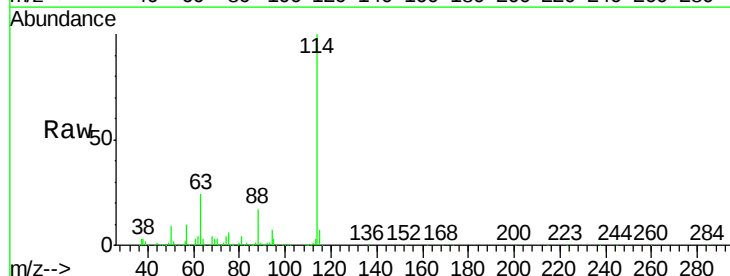
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.1	14.2	21.4

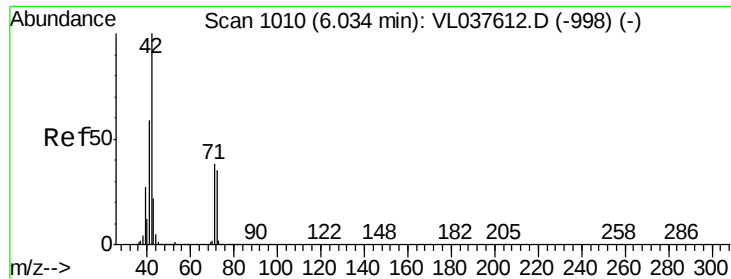


#39
 1,2-Dichloropropane
 Concen: 7.292 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.43 min
 Lab File: VL037724.D
 Acq: 29 Sep 2021 9:05

Tgt Ion: 63 Resp: 876794

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	16.5	54.6	81.8#





#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 5.73 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: IA-18BDL

Acq: 29 Sep 2021 9:05

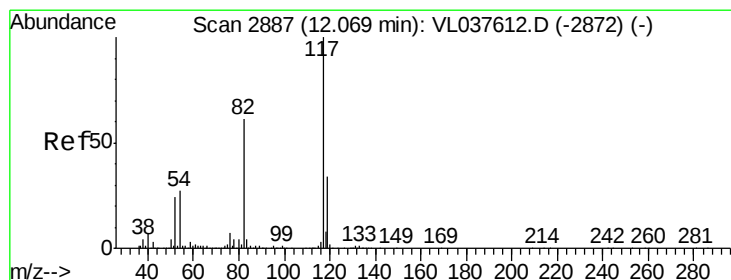
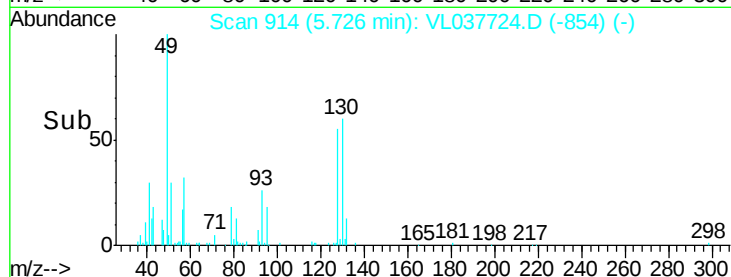
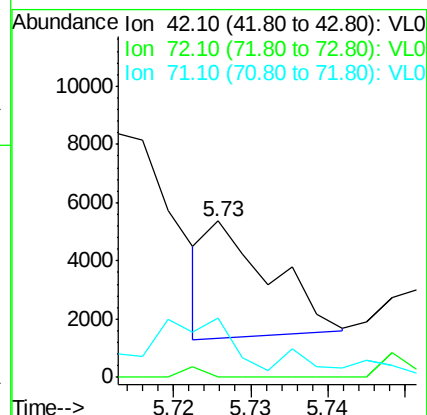
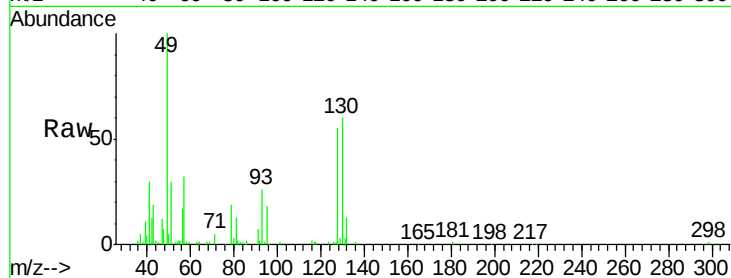
Tgt Ion: 42 Resp: 2286

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 0.0 30.6 46.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.01 min

Lab File: VL037724.D

Acq: 29 Sep 2021 9:05

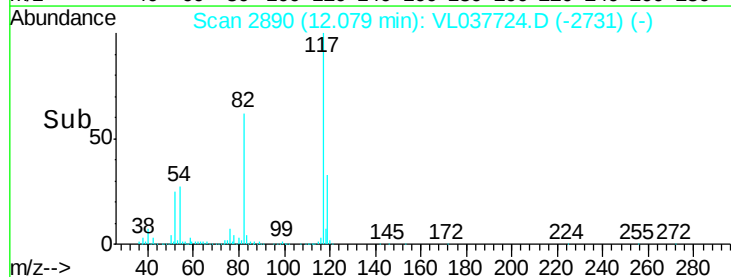
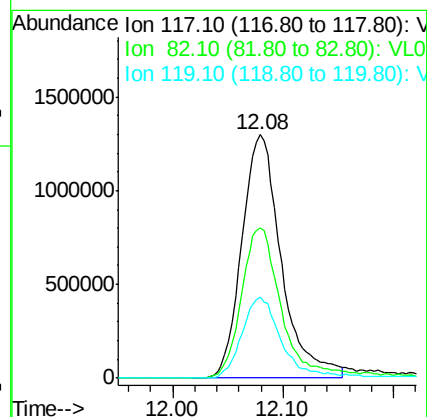
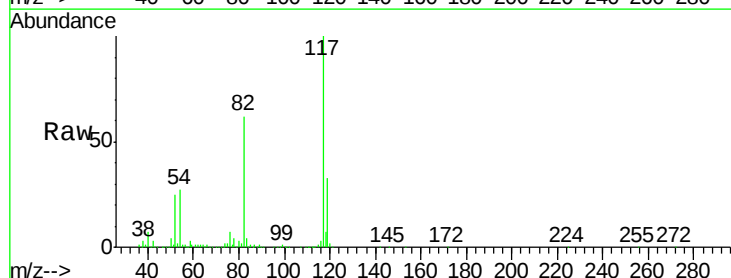
Tgt Ion: 117 Resp: 3231004

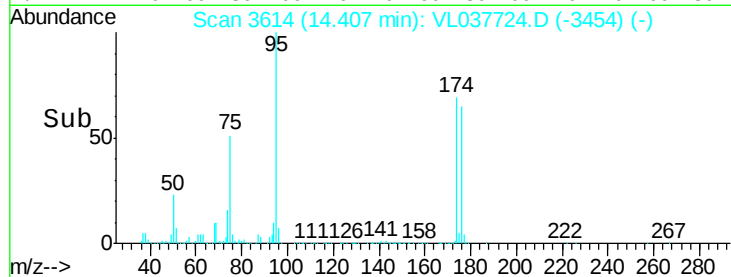
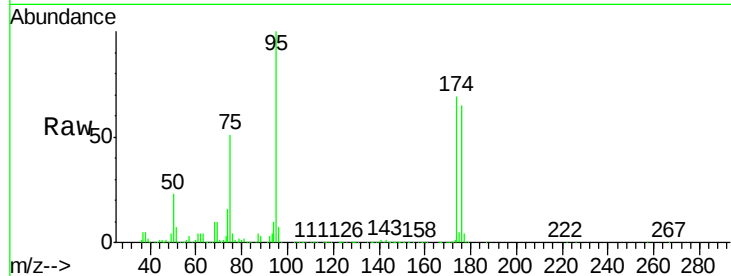
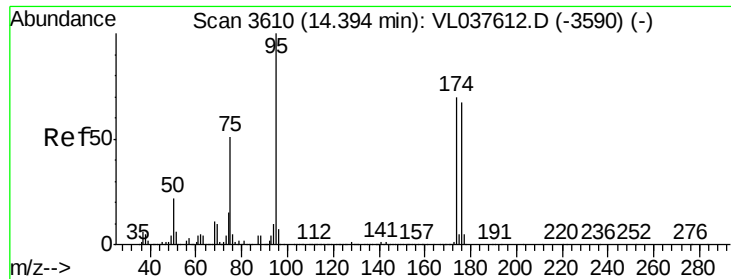
Ion Ratio Lower Upper

117 100

82 64.9 50.6 75.8

119 34.8 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.426 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Sep 2021 9:05

Tgt Ion: 95 Resp: 2201038

Ion Ratio Lower Upper

95 100

174 79.3 56.3 84.5

175 5.8 4.4 6.6

