

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
 Data File : VL038242.D
 Acq On : 29 Dec 2021 21:16
 Operator : SY/AP
 Sample : M5250-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOORDL

Quant Time: Dec 30 06:22:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

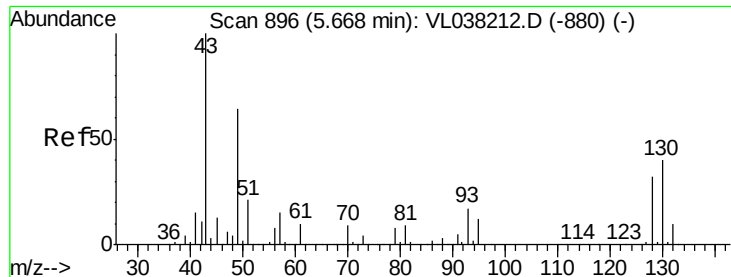
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	665373	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1800464	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1524416	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1227603	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	5406	0.043	ppbv #	88
3) Chlorodifluoromethane	2.99	51	9087	0.065	ppbv #	78
4) Chloromethane	3.15	50	2291	0.047	ppbv #	83
9) Propene	3.03	41	12904	0.266	ppbv #	80
10) Heptane	8.12	43	3769	0.031	ppbv #	1
13) Ethanol	3.63	45	10157	1.234	ppbv #	100
15) Acetone	3.87	43	68316	1.023	ppbv	93
20) Methylene Chloride	4.36	84	33176	0.880	ppbv	94
25) Ethyl Acetate	5.69	43	33259	0.184	ppbv #	78
26) Hexane	5.69	57	39876	0.439	ppbv #	47
34) 2-Butanone	5.27	43	3661	0.068	ppbv #	21
39) 1,2-Dichloropropane	7.18	63	465301	7.199	ppbv #	25
53) Toluene	9.80	91	13785	0.071	ppbv #	20

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 21:16

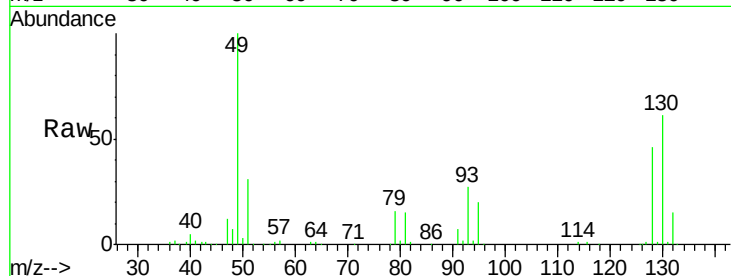
Tgt Ion: 49 Resp: 665373

Ion Ratio Lower Upper

49 100

128 49.4 26.9 80.6

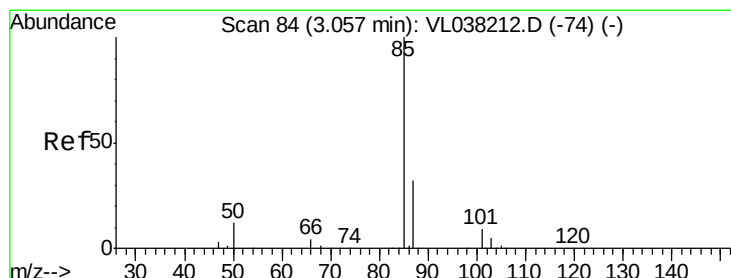
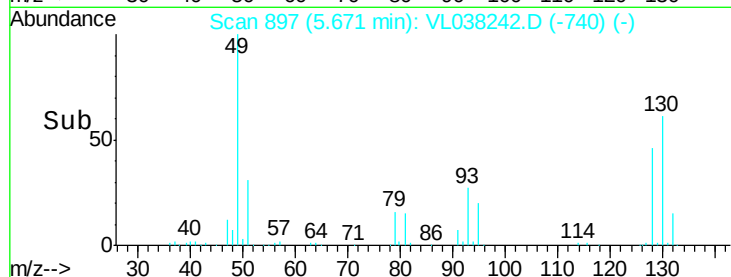
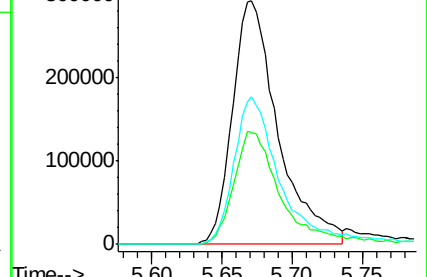
130 63.2 32.3 96.9



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: 0.043 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL038242.D

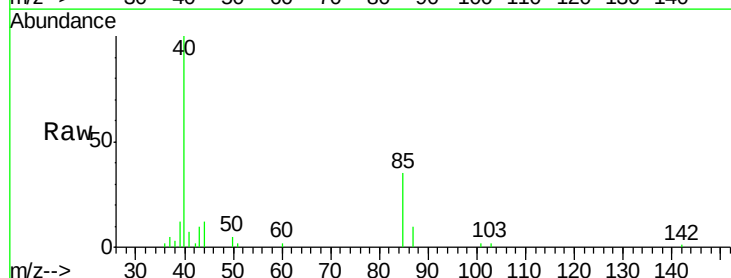
Acq: 29 Dec 2021 21:16

Tgt Ion: 85 Resp: 5406

Ion Ratio Lower Upper

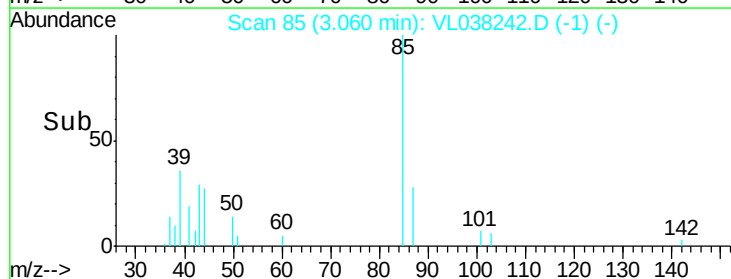
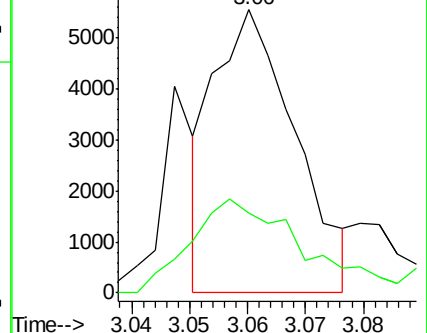
85 100

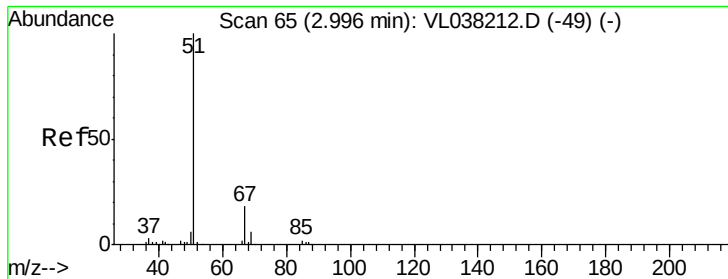
87 25.0 25.4 38.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.065 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

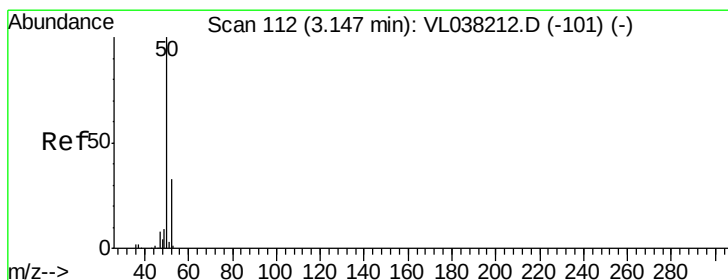
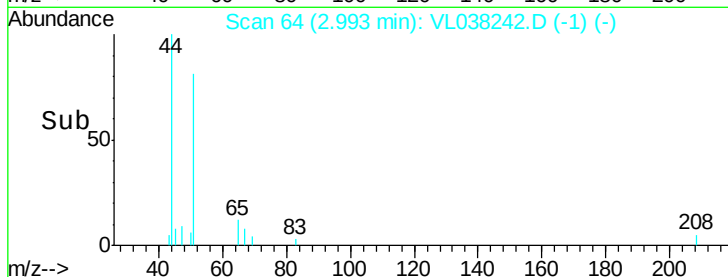
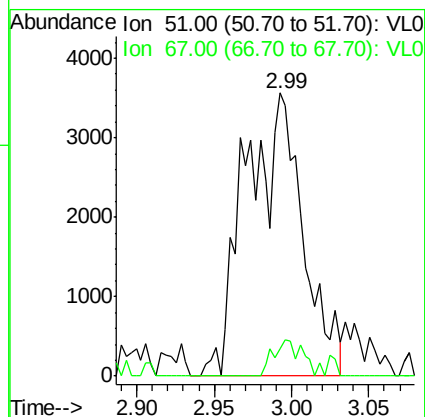
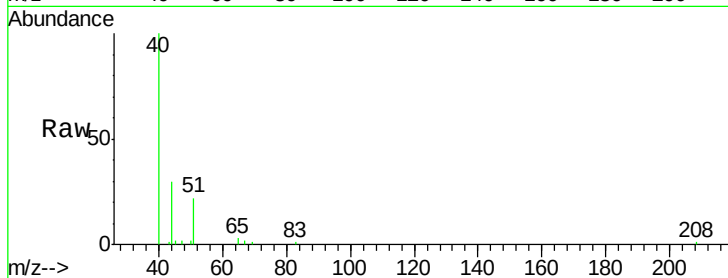
Acq: 29 Dec 2021 21:10

Tgt Ion: 51 Resp: 9087

Ion Ratio Lower Upper

51 100

67 7.8 14.0 21.0#



#4

Chloromethane

Concen: 0.047 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038242.D

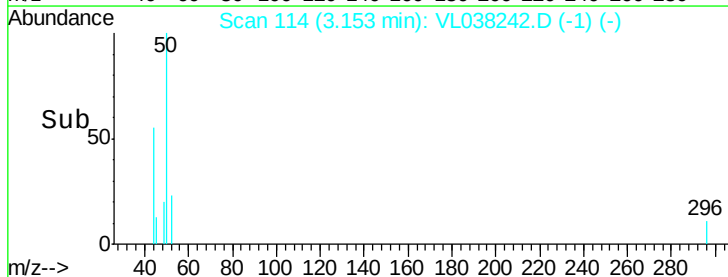
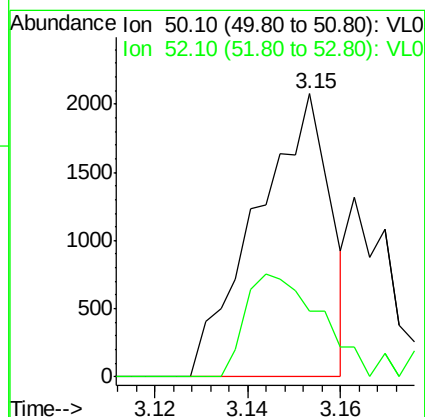
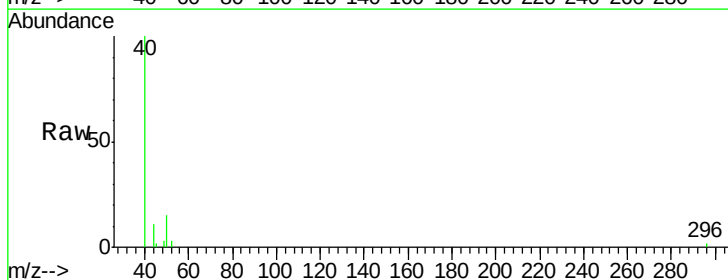
Acq: 29 Dec 2021 21:16

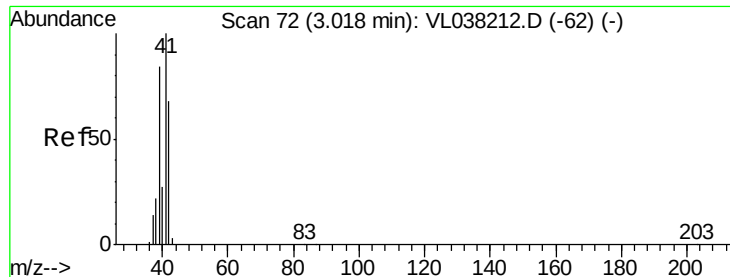
Tgt Ion: 50 Resp: 2291

Ion Ratio Lower Upper

50 100

52 23.1 26.2 39.2#





#9

Propene

Concen: 0.266 ppbv

RT: 3.03

Delta R.T.

Lab File:

Acq: 29 Dec 2021 21:16

Instrument :

MSVOA_L

ClientSampleId :

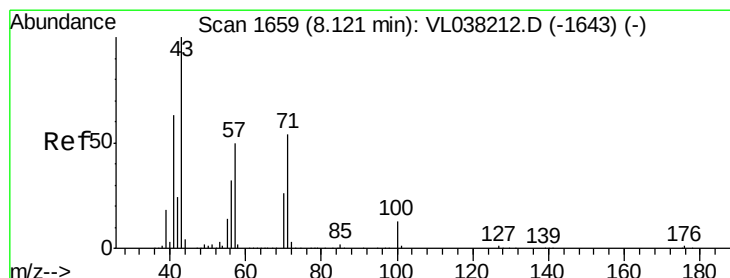
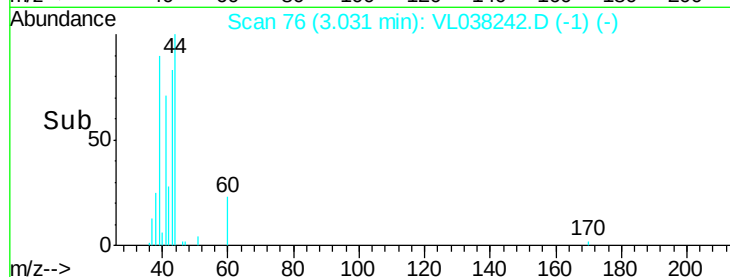
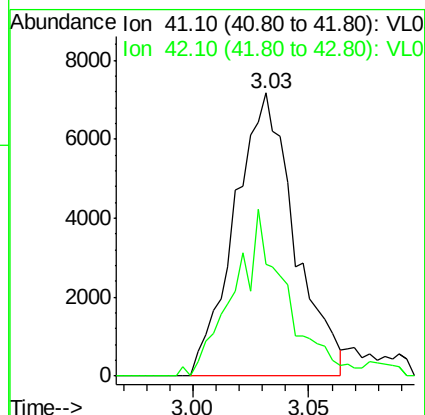
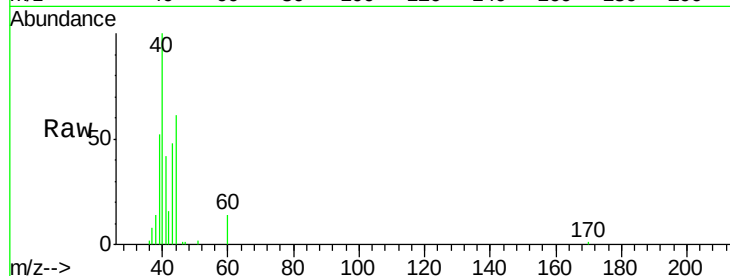
1ST-FLOODL

Tgt Ion: 41 Resp: 12904

Ion Ratio Lower Upper

41 100

42 53.3 55.5 83.3#



#10

Heptane

Concen: 0.031 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL038242.D

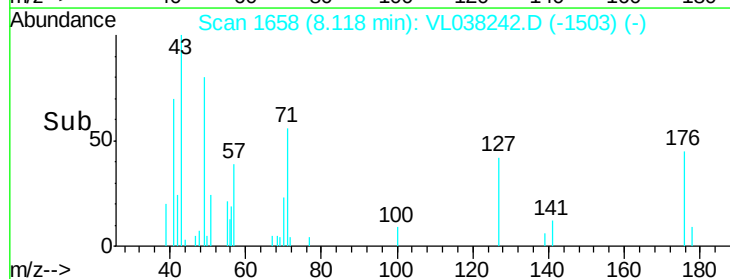
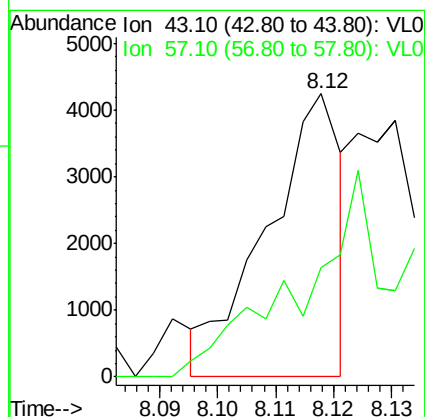
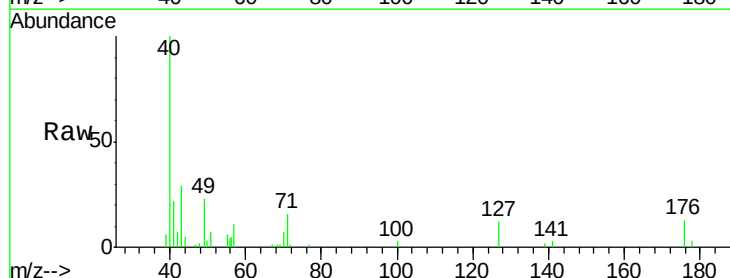
Acq: 29 Dec 2021 21:16

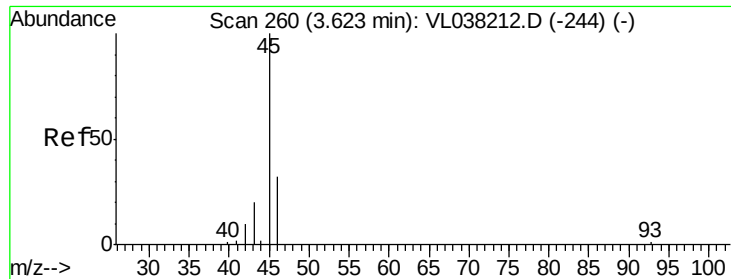
Tgt Ion: 43 Resp: 3769

Ion Ratio Lower Upper

43 100

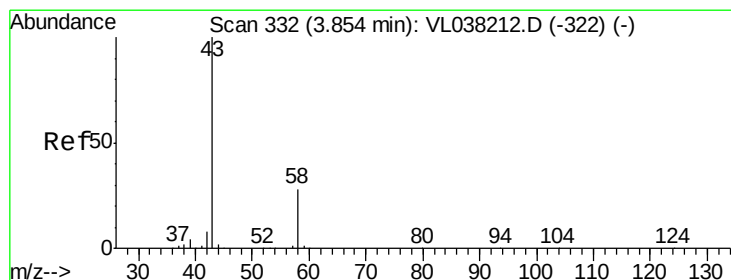
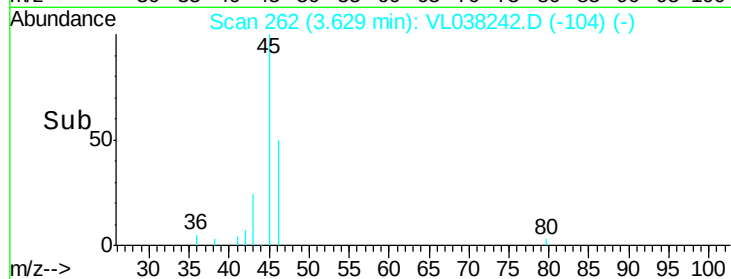
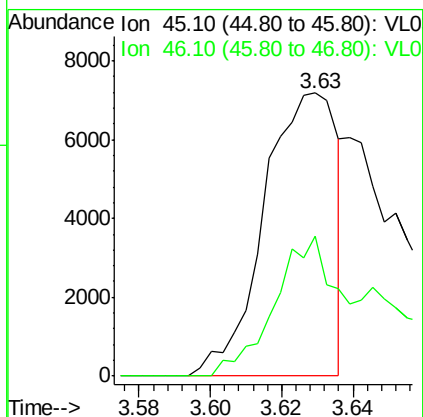
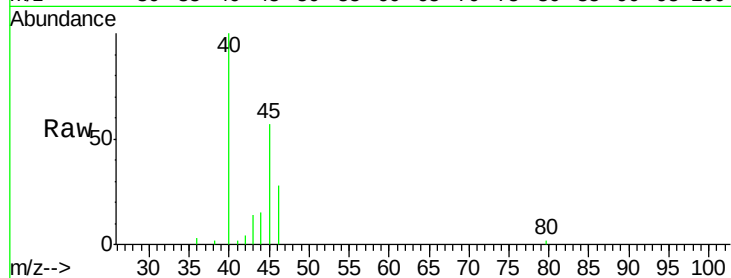
57 126.3 40.3 60.5#





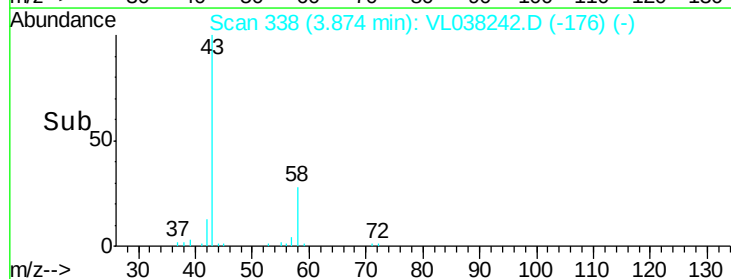
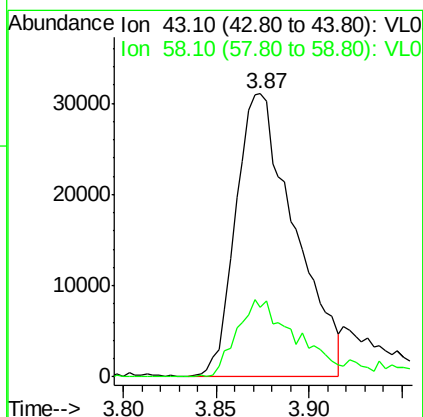
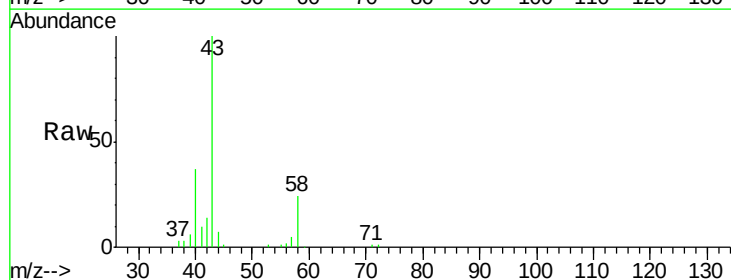
#13
Ethanol
Concen: 1.234 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 21:16

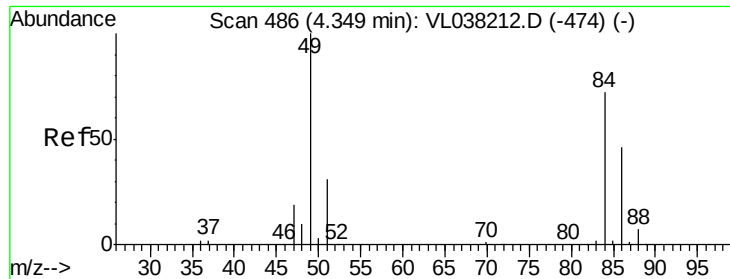
Tgt Ion: 45 Resp: 10157
Ion Ratio Lower Upper
45 100
46 75.0 0.0 0.0#



#15
Acetone
Concen: 1.023 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL038242.D
Acq: 29 Dec 2021 21:16

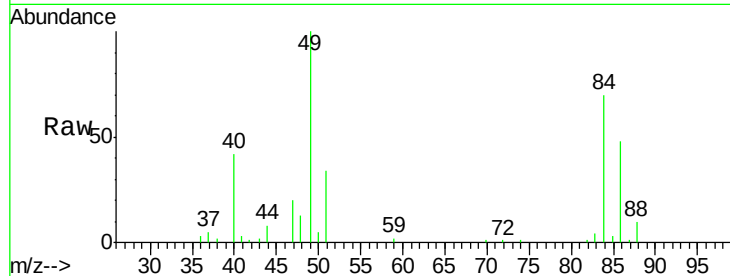
Tgt Ion: 43 Resp: 68316
Ion Ratio Lower Upper
43 100
58 32.8 23.3 34.9



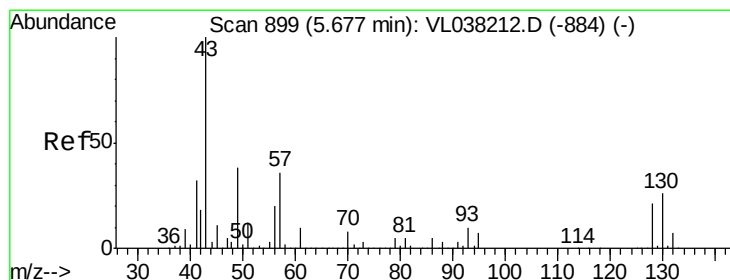
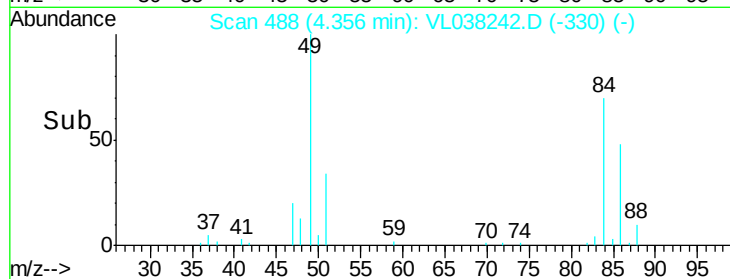
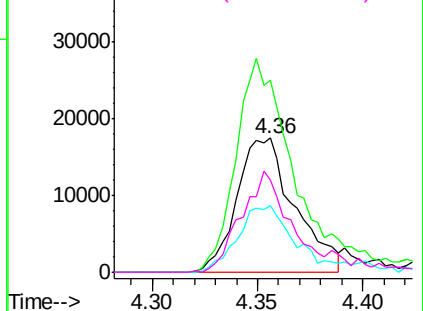


#20
Methylene Chloride
Concen: 0.880 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 21:16

Tgt Ion:	84	Resp:	33176
Ion	Ratio	Lower	Upper
84	100		
49	143.2	110.6	166.0
51	49.2	34.2	51.2
86	68.8	50.5	75.7

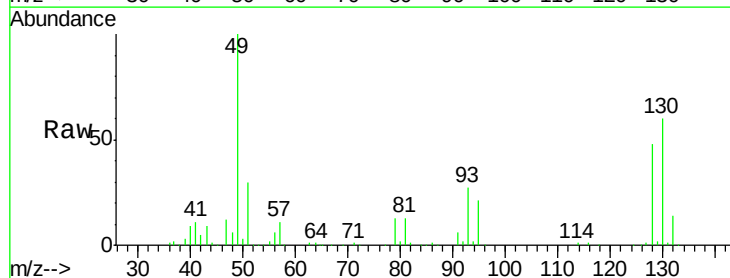


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

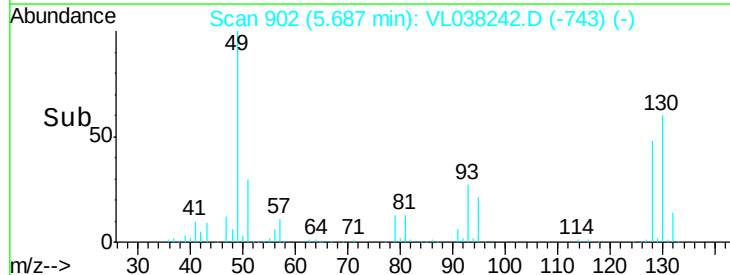
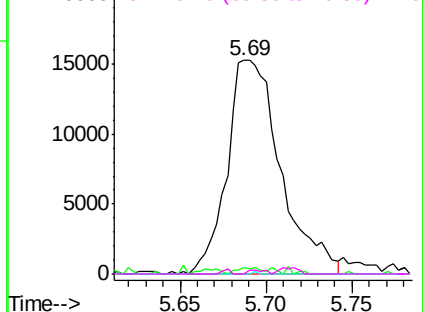


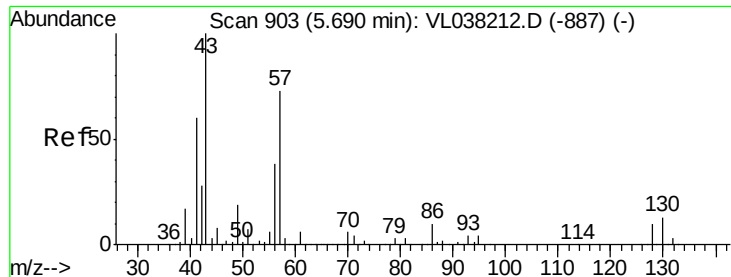
#25
Ethyl Acetate
Concen: 0.184 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038242.D
Acq: 29 Dec 2021 21:16

Tgt Ion:	43	Resp:	33259
Ion	Ratio	Lower	Upper
43	100		
45	2.2	7.9	11.9#
61	0.0	8.1	12.1#
70	1.9	5.5	8.3#



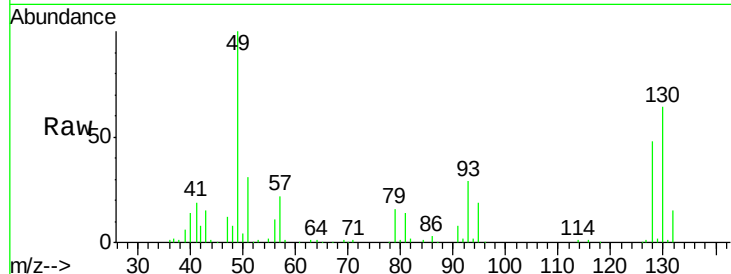
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



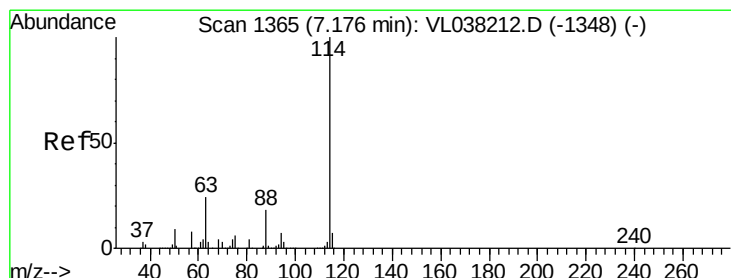
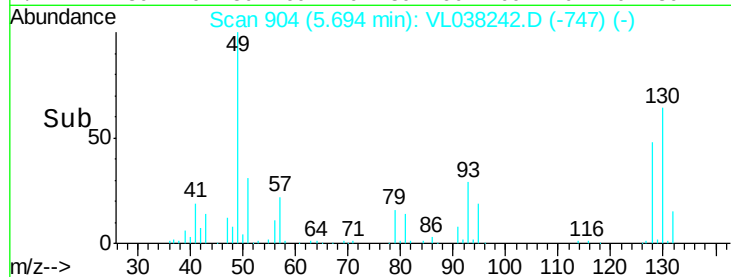
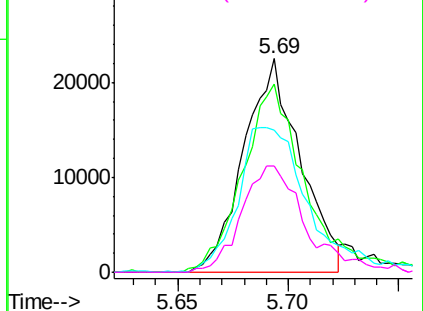


#26
Hexane
Concen: 0.439 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 21:16

Tgt Ion:	57	Resp:	39876
Ion	Ratio	Lower	Upper
57	100		
41	100.3	69.0	103.6
43	88.4	171.2	256.8#
56	56.8	41.5	62.3

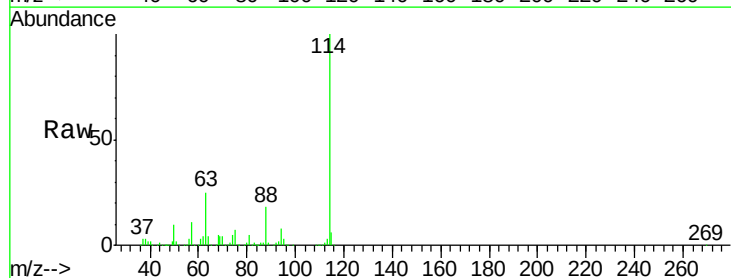


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

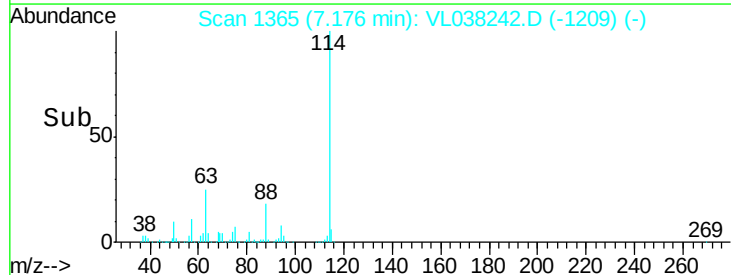
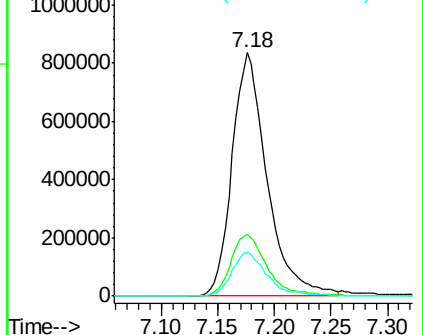


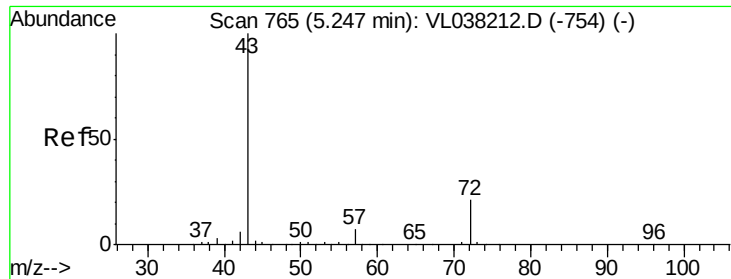
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VL038242.D
Acq: 29 Dec 2021 21:16

Tgt Ion:	114	Resp:	1800464
Ion	Ratio	Lower	Upper
114	100		
63	26.6	19.7	29.5
88	18.8	14.3	21.5



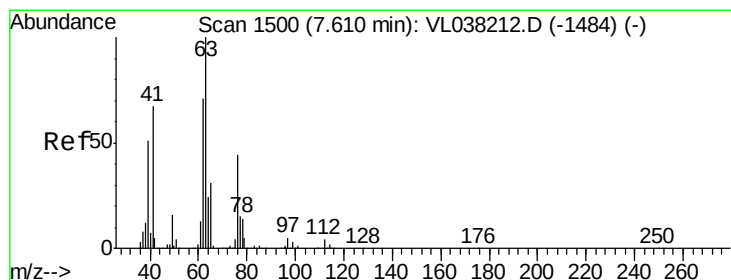
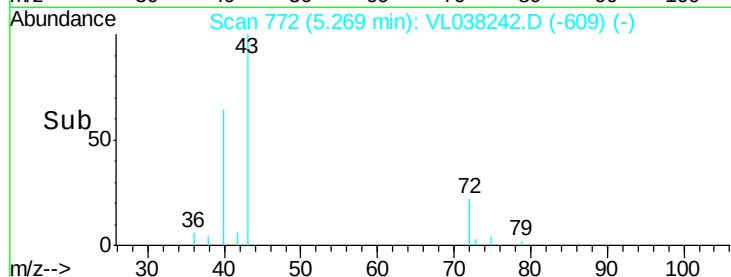
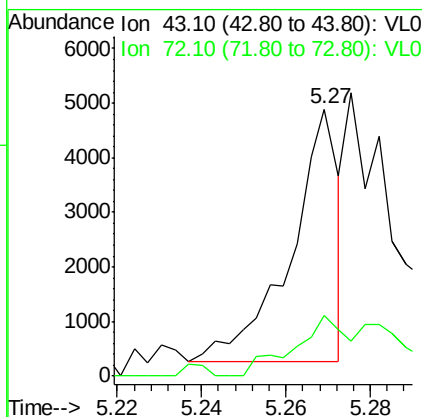
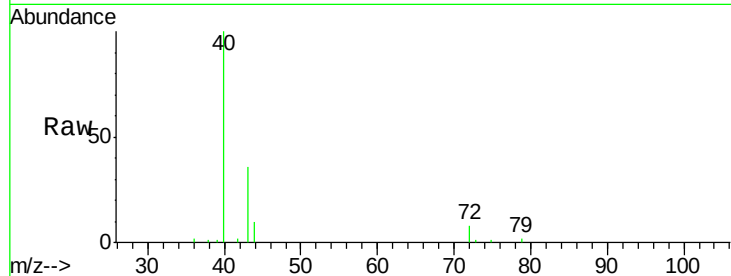
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





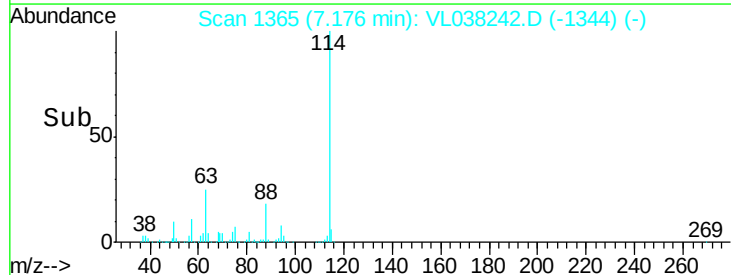
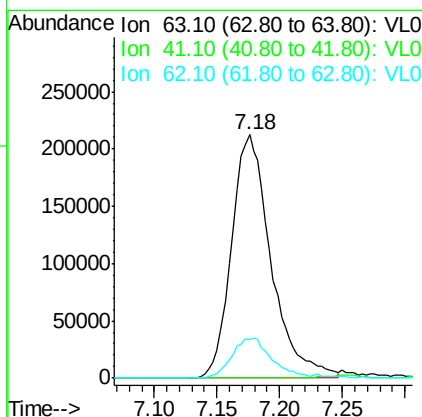
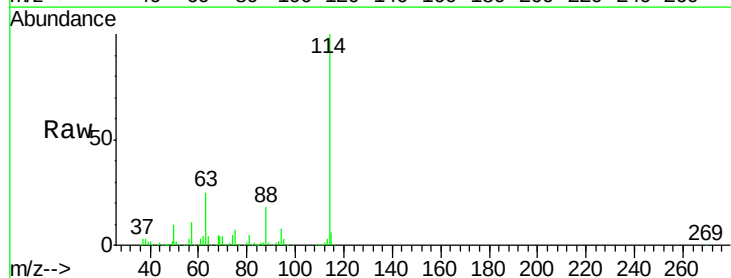
#34
 2-Butanone
 Concen: 0.068 ppbv
 RT: 5.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 21:16

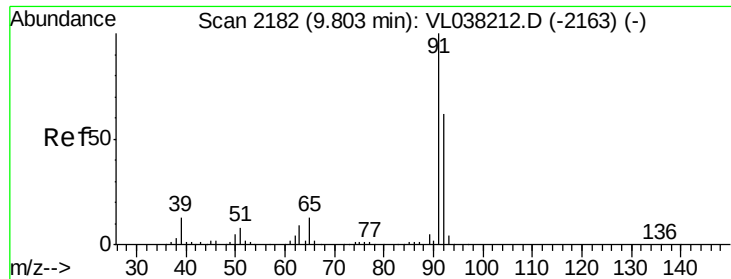
Tgt Ion: 43 Resp: 3661
 Ion Ratio Lower Upper
 43 100
 72 61.0 18.3 27.5#



#39
 1,2-Dichloropropane
 Concen: 7.199 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL038242.D
 Acq: 29 Dec 2021 21:16

Tgt Ion: 63 Resp: 465301
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.4 80.2#
 62 16.2 56.5 84.7#





#53

Toluene

Concen: 0.071 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

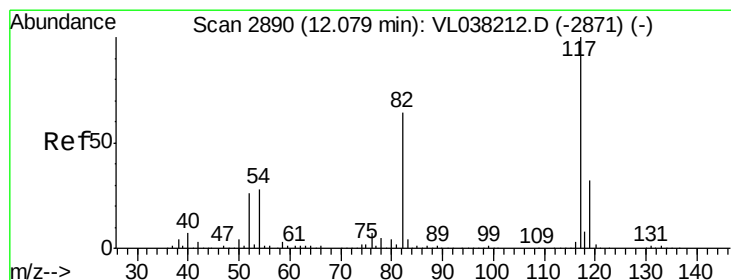
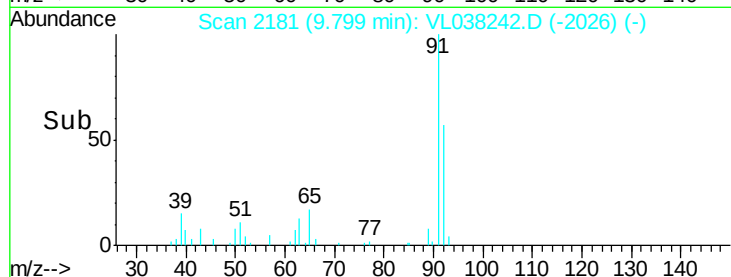
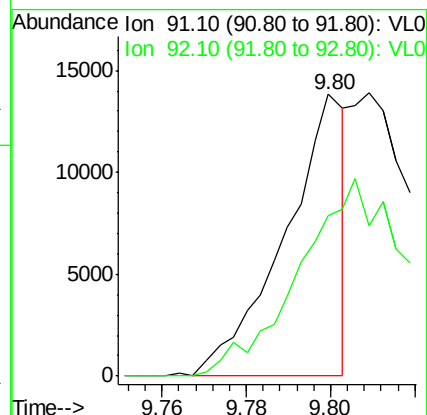
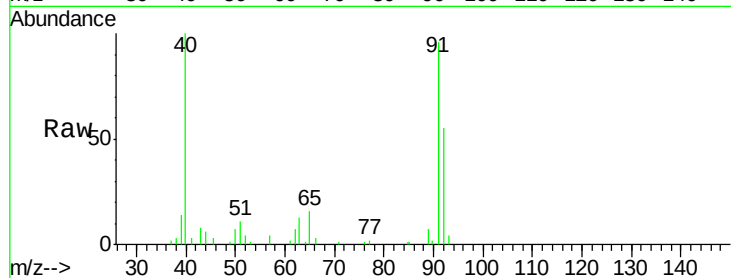
Acq: 29 Dec 2021 21:16

Tgt Ion: 91 Resp: 13785

Ion Ratio Lower Upper

91 100

92 0.0 48.9 73.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038242.D

Acq: 29 Dec 2021 21:16

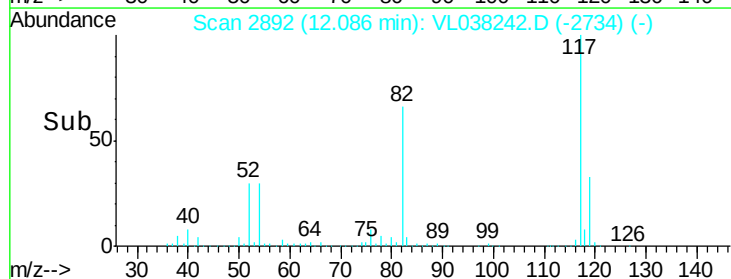
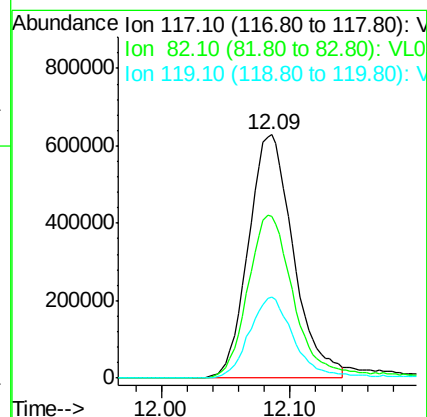
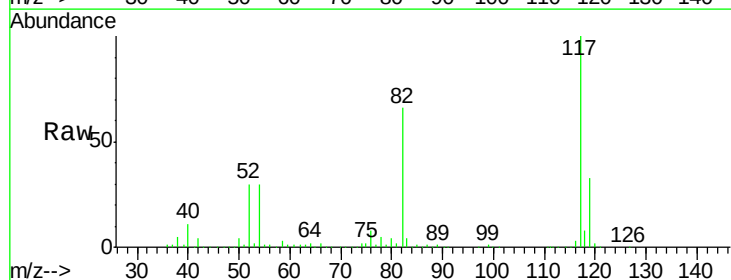
Tgt Ion: 117 Resp: 1524416

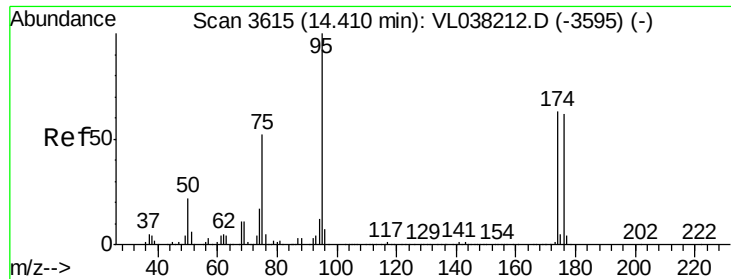
Ion Ratio Lower Upper

117 100

82 70.9 53.3 79.9

119 34.4 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.450 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Dec 2021 21:10

Tgt Ion: 95 Resp: 1227603

Ion Ratio Lower Upper

95 100

174 62.4 54.6 81.8

175 4.5 4.1 6.1

