

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038670.D
 Acq On : 22 Mar 2022 3:56
 Operator : SY/AP
 Sample : N1964-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P83DL

Quant Time: Mar 22 05:08:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	935230	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2425595	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2136792	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1542485	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

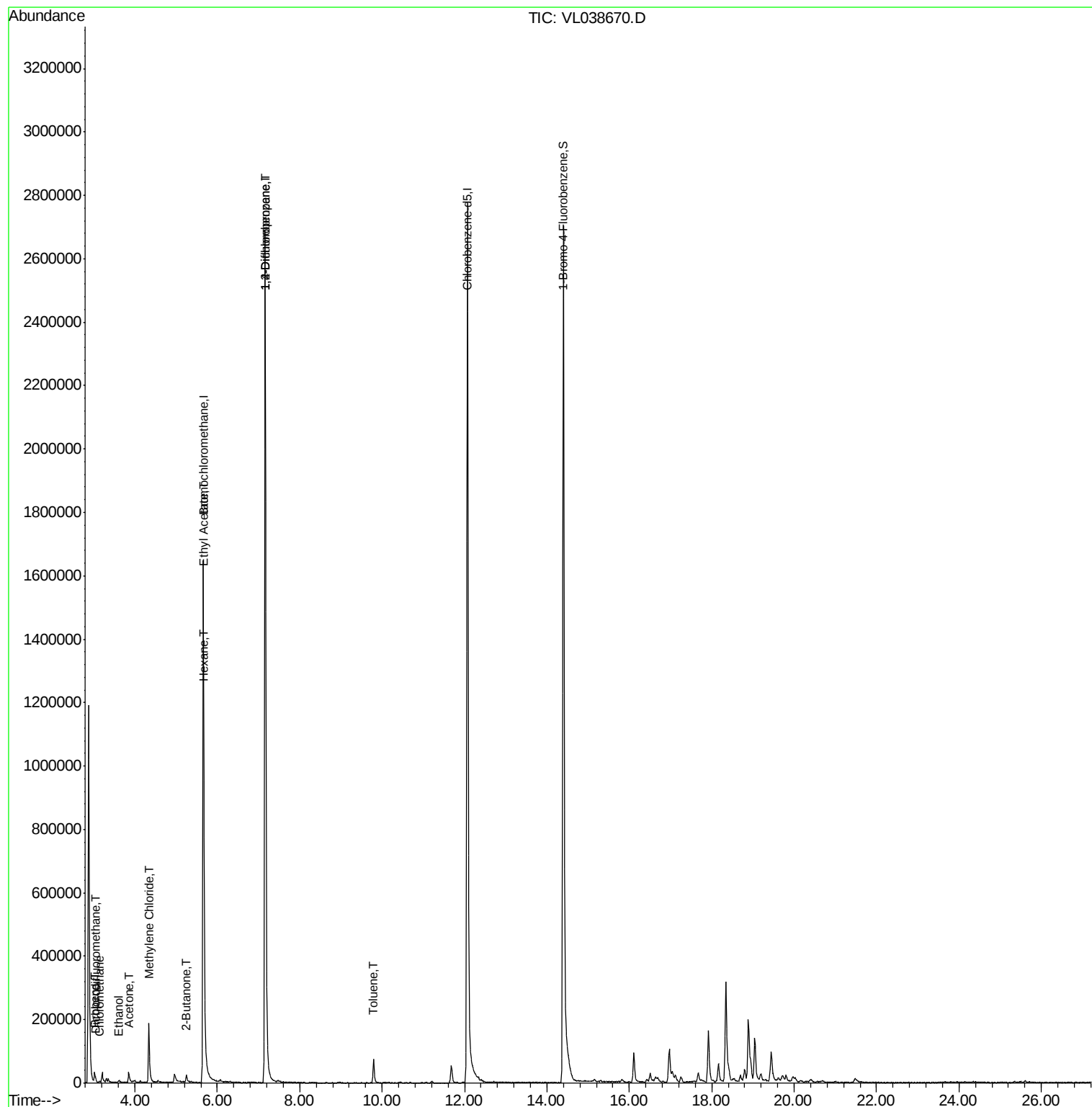
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	6917	0.06	ppbv	95
4) Chloromethane	3.14	50	2937	0.05	ppbv #	74
9) Propene	3.02	41	9465	0.20	ppbv	95
13) Ethanol	3.60	45	2490	0.47	ppbv #	37
15) Acetone	3.85	43	41311	0.51	ppbv #	86
20) Methylene Chloride	4.34	84	80079	2.36	ppbv	94
25) Ethyl Acetate	5.67	43	11556	0.06	ppbv #	77
26) Hexane	5.68	57	34765	0.38	ppbv #	40
34) 2-Butanone	5.25	43	15927	0.17	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	567904	7.76	ppbv #	28
53) Toluene	9.79	91	63349	0.31	ppbv	99

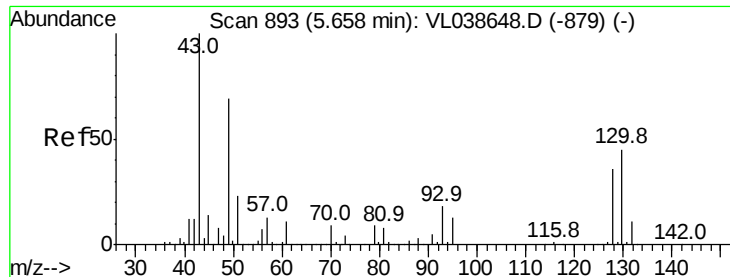
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 3:56

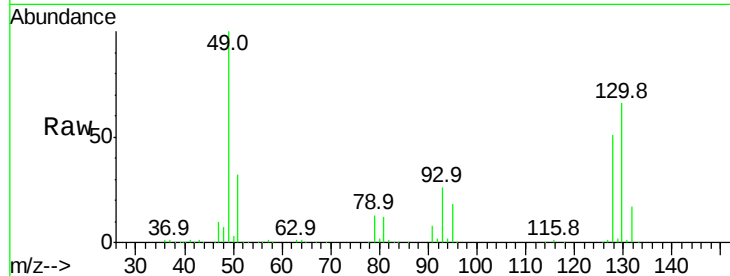
Tgt Ion: 49 Resp: 935230

Ion Ratio Lower Upper

49 100

128 55.0 26.2 78.6

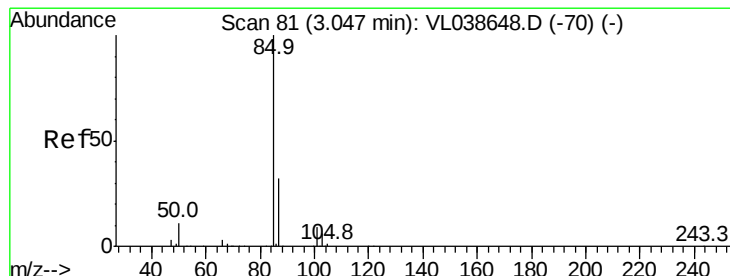
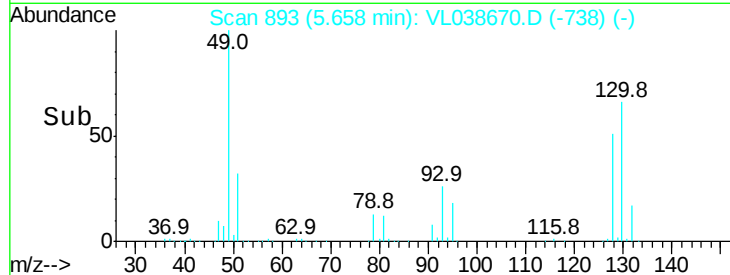
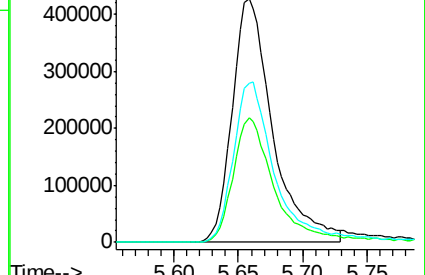
130 70.3 33.7 101.1



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: 0.06 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038670.D

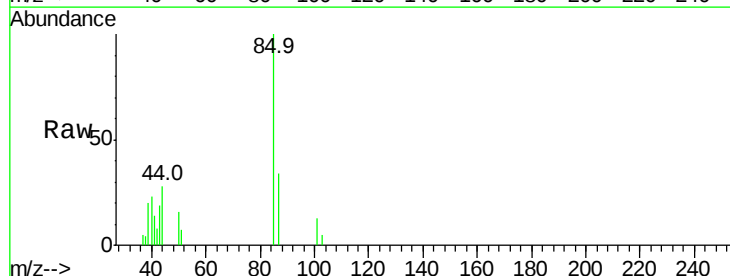
Acq: 22 Mar 2022 3:56

Tgt Ion: 85 Resp: 6917

Ion Ratio Lower Upper

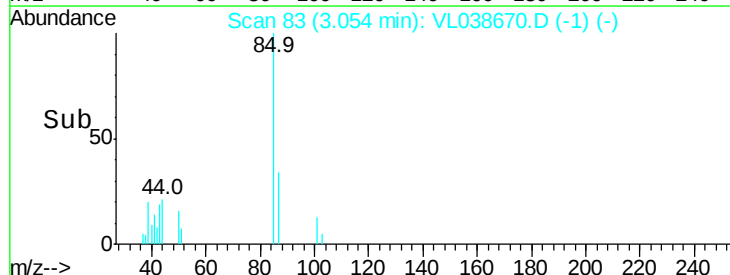
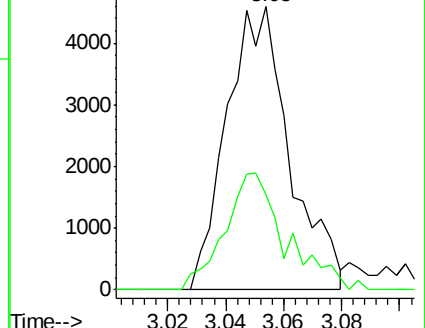
85 100

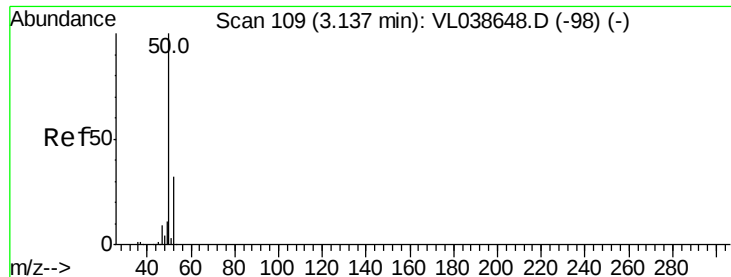
87 29.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.05 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

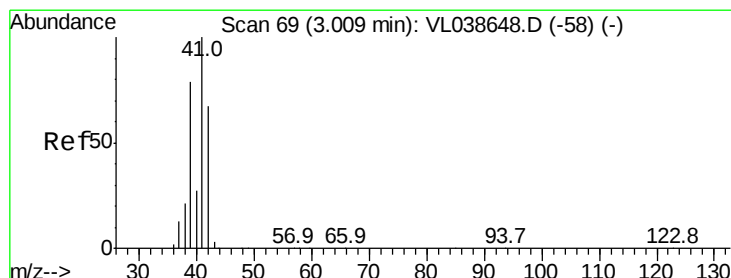
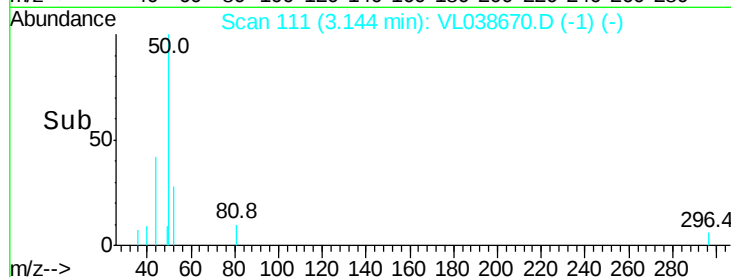
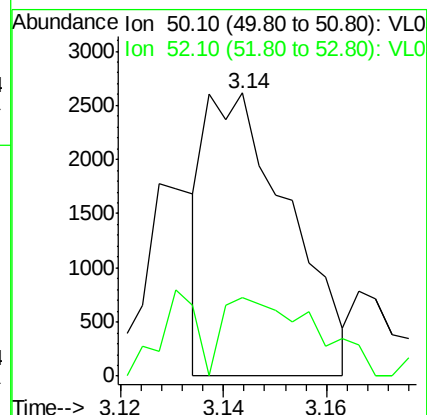
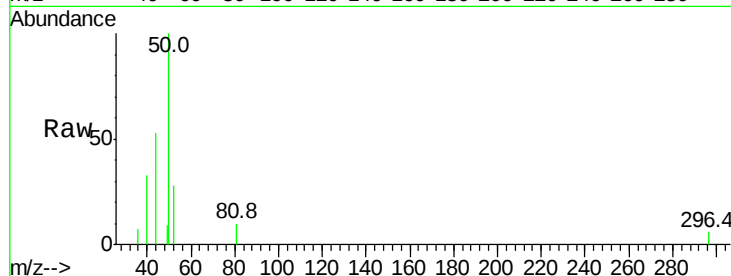
Acq: 22 Mar 2022 3:58

Tgt Ion: 50 Resp: 2937

Ion Ratio Lower Upper

50 100

52 17.6 25.5 38.3#



#9

Propene

Concen: 0.20 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038670.D

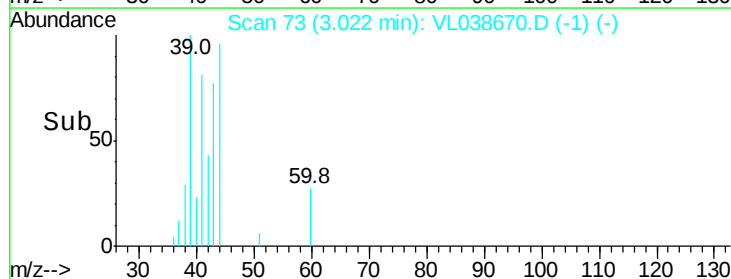
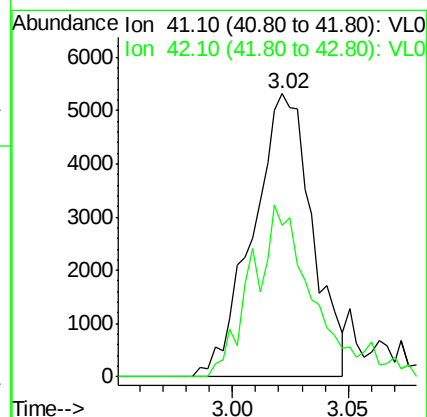
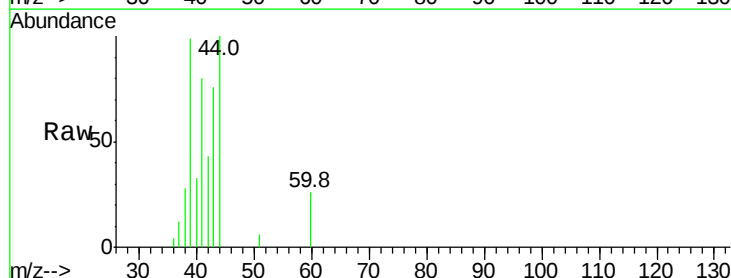
Acq: 22 Mar 2022 3:56

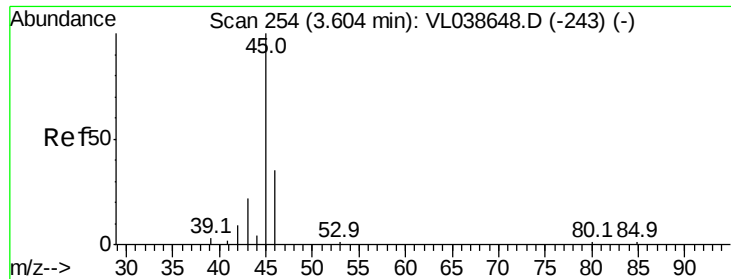
Tgt Ion: 41 Resp: 9465

Ion Ratio Lower Upper

41 100

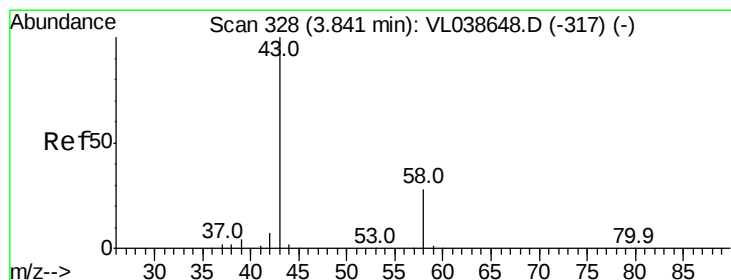
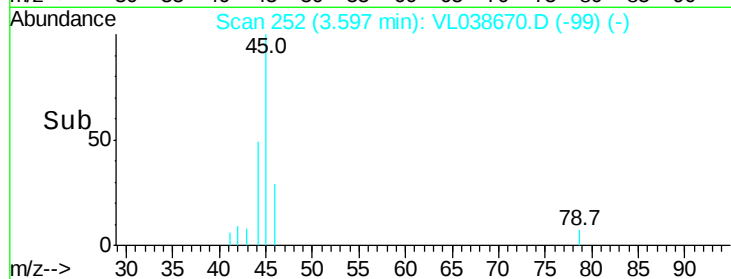
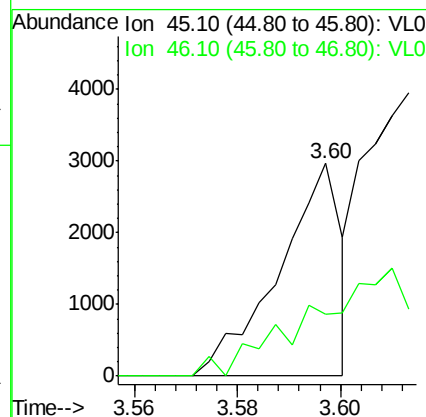
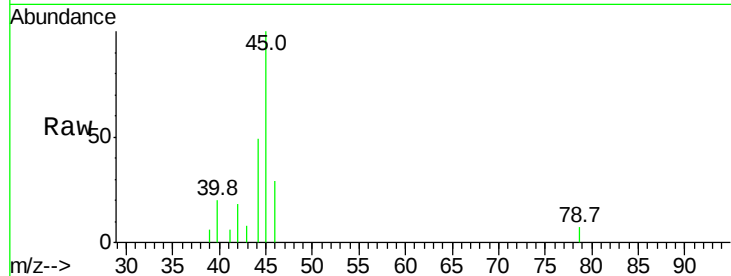
42 66.2 56.2 84.4





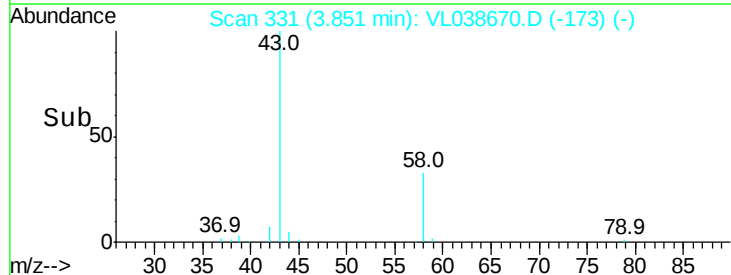
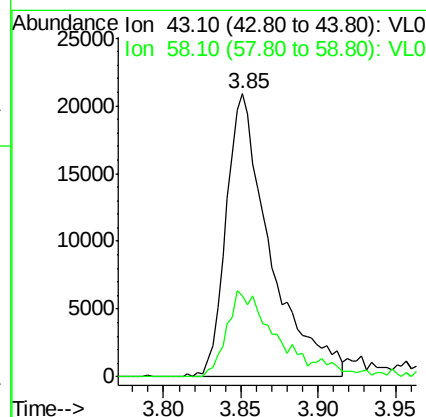
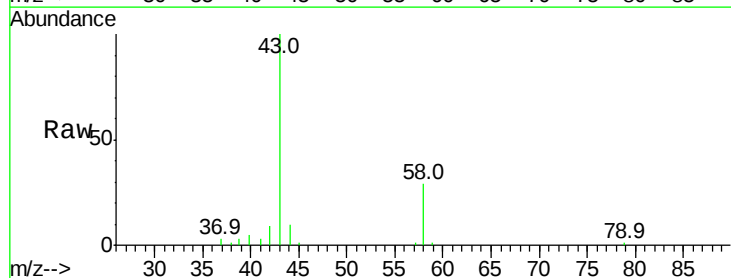
#13
Ethanol
Concen: 0.47 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP83DL
Acq: 22 Mar 2022 3:56

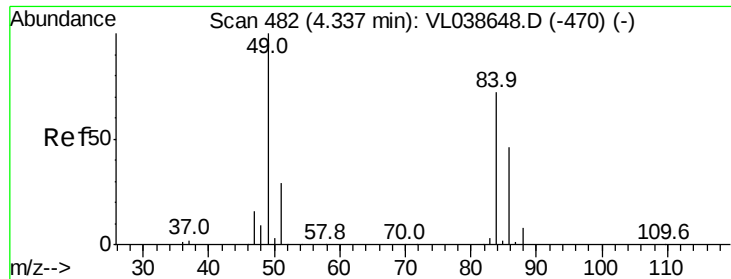
Tgt Ion: 45 Resp: 2490
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.5#



#15
Acetone
Concen: 0.51 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038670.D
Acq: 22 Mar 2022 3:56

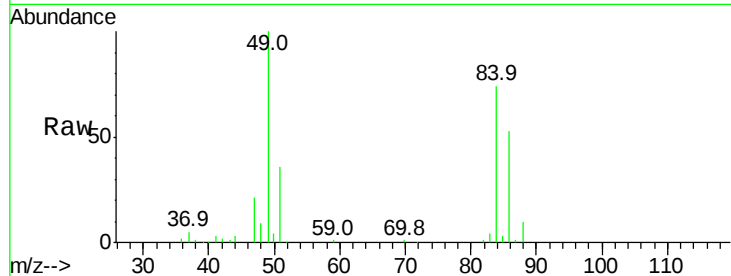
Tgt Ion: 43 Resp: 41311
Ion Ratio Lower Upper
43 100
58 36.3 23.3 34.9#



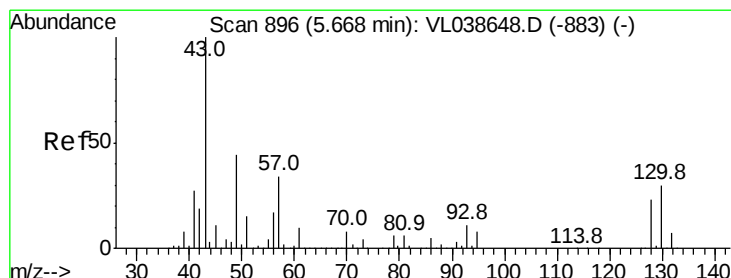
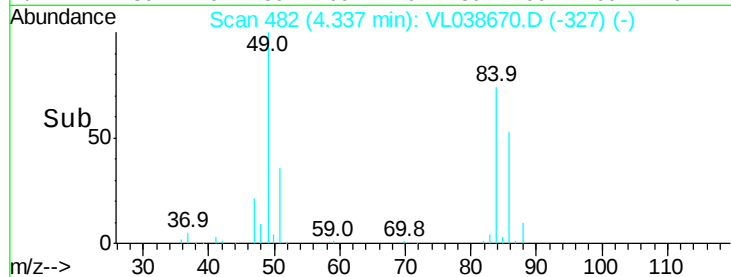
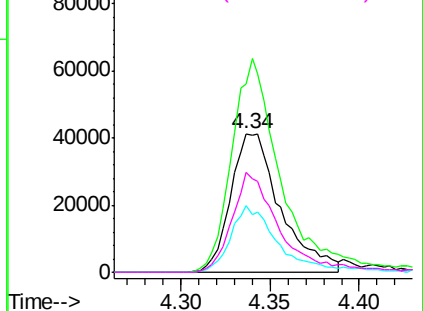


#20
Methylene Chloride
Concen: 2.36 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 3:56

Tgt Ion:	84	Resp:	80079
Ion	Ratio	Lower	Upper
84	100		
49	135.1	111.2	166.8
51	48.1	32.8	49.2
86	72.2	51.4	77.0

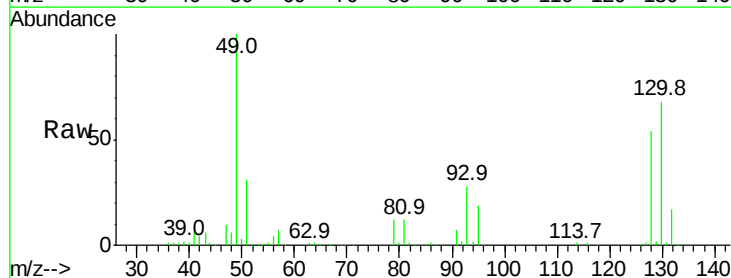


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

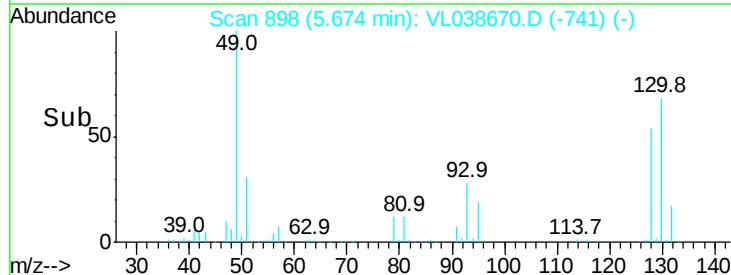
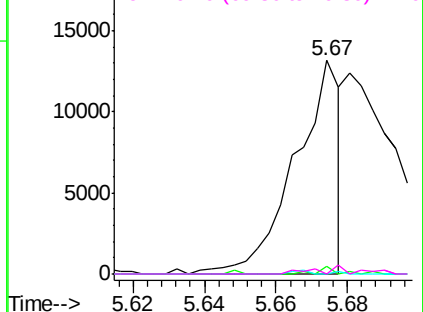


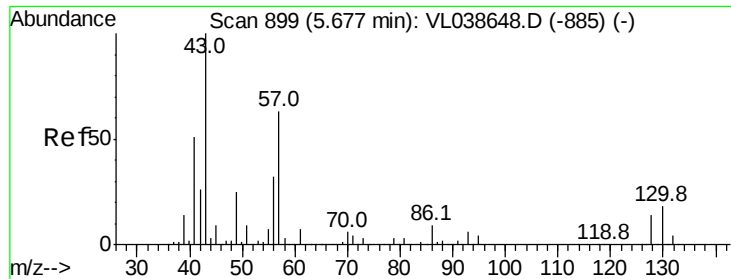
#25
Ethyl Acetate
Concen: 0.06 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL038670.D
Acq: 22 Mar 2022 3:56

Tgt Ion:	43	Resp:	11556
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.2	12.4#
61	1.1	8.3	12.5#
70	0.0	5.6	8.4#



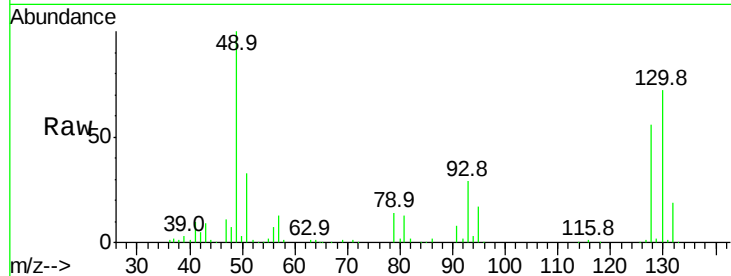
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



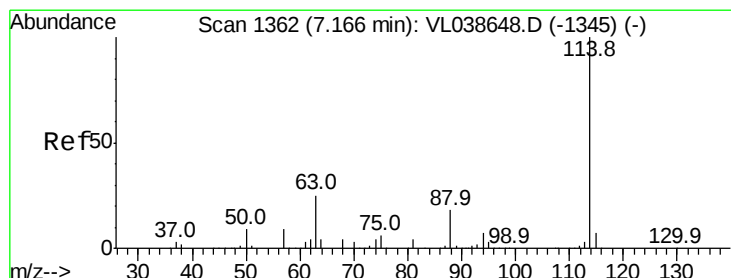
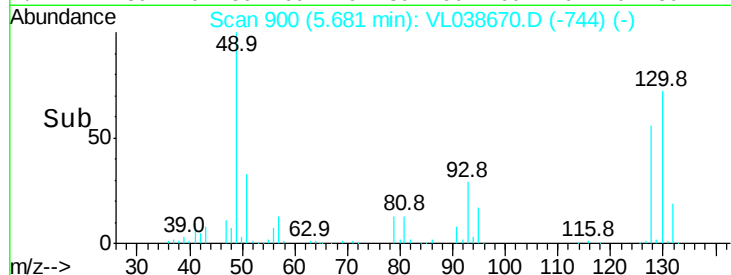
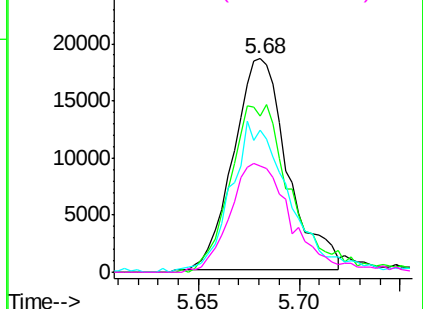


#26
Hexane
Concen: 0.38 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 3:56

Tgt Ion: 57 Resp: 34765
Ion Ratio Lower Upper
57 100
41 91.1 67.0 100.4
43 79.4 184.2 276.2#
56 59.6 42.6 64.0

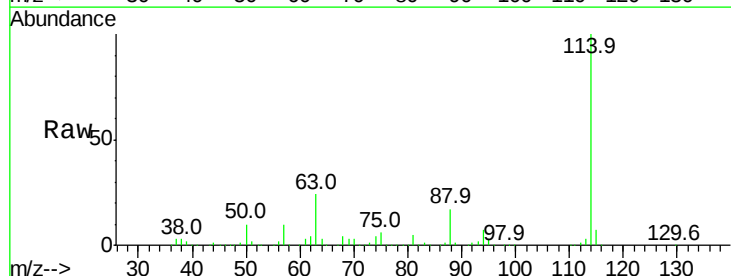


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

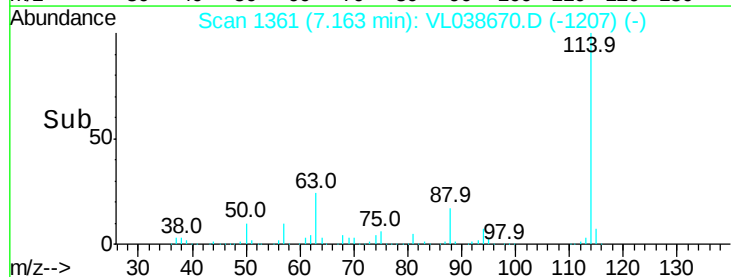
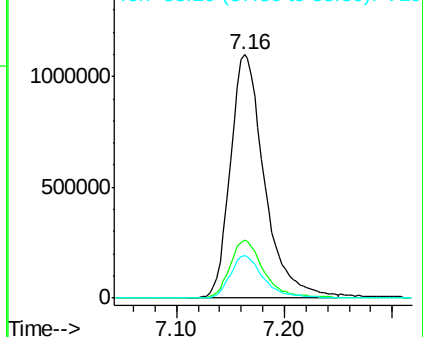


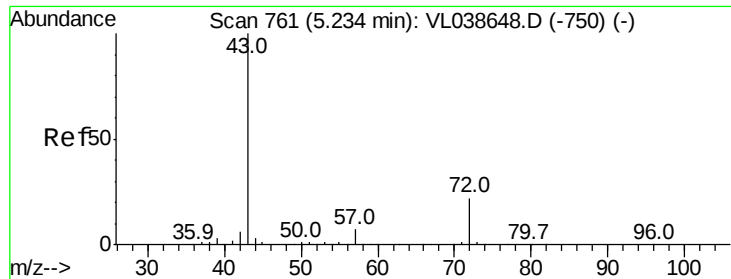
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL038670.D
Acq: 22 Mar 2022 3:56

Tgt Ion: 114 Resp: 2425595
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.0
88 17.3 13.9 20.9



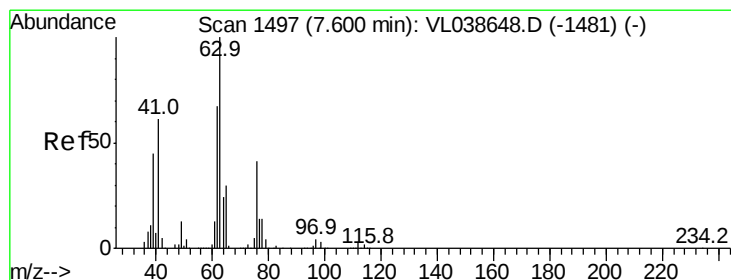
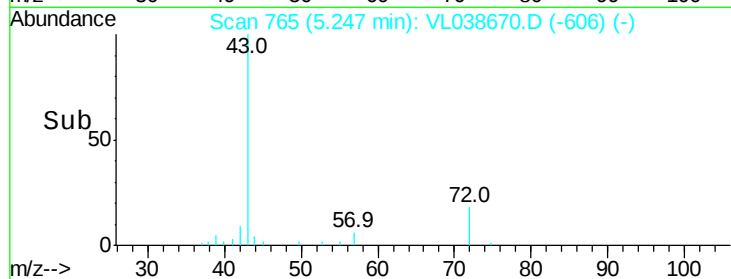
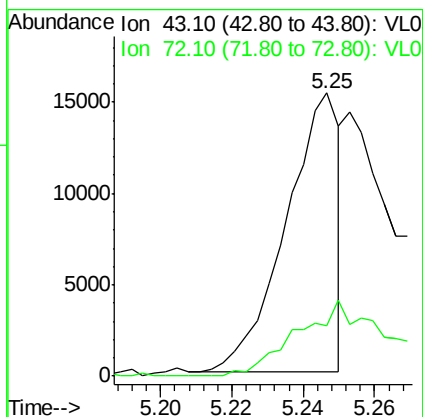
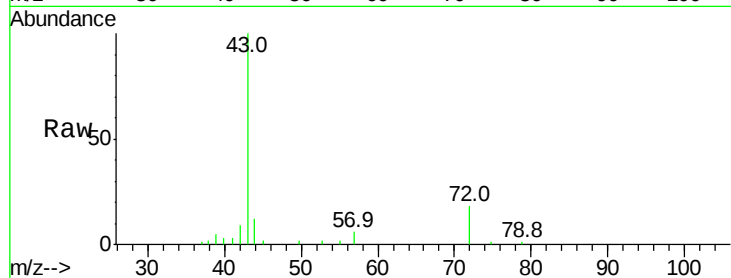
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





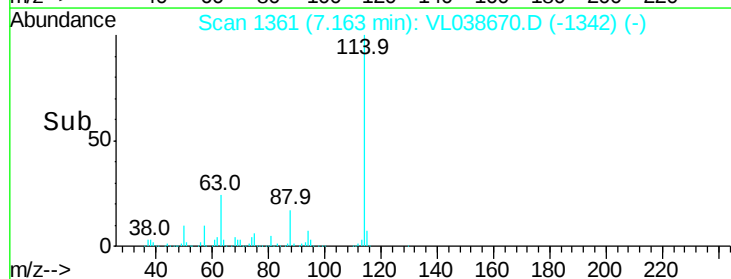
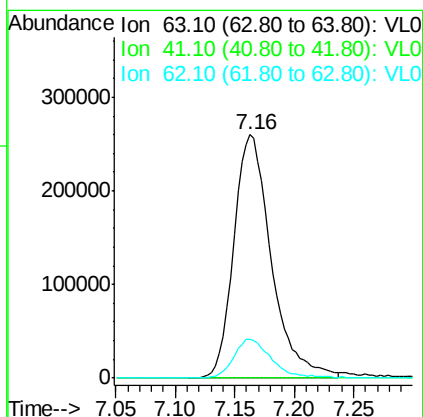
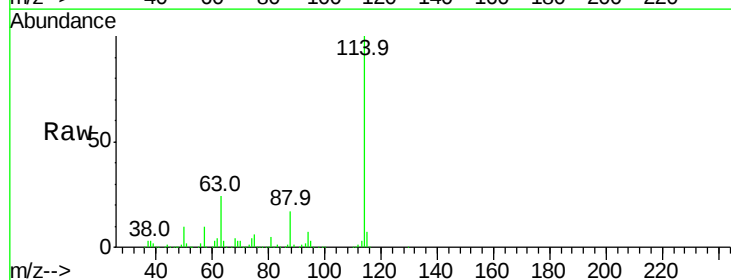
#34
2-Butanone
Concen: 0.17 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP83DL
Acq: 22 Mar 2022 3:56

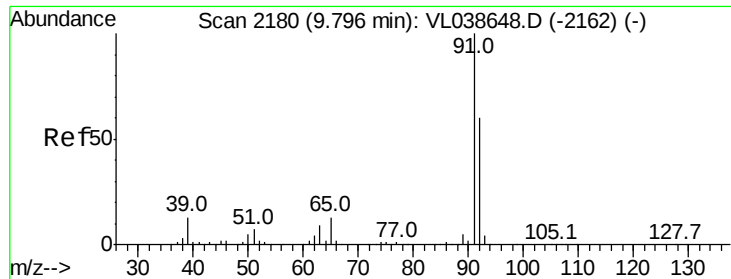
Tgt Ion: 43 Resp: 15927
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#



#39
1,2-Dichloropropane
Concen: 7.76 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.44 min
Lab File: VL038670.D
Acq: 22 Mar 2022 3:56

Tgt Ion: 63 Resp: 567904
Ion Ratio Lower Upper
63 100
41 0.0 49.0 73.6#
62 16.0 53.9 80.9#





#53

Toluene

Concen: 0.31 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP83DL

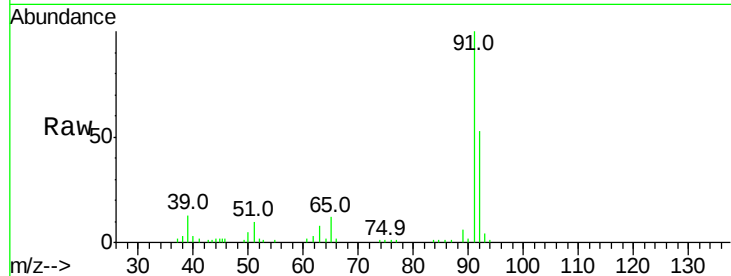
Acq: 22 Mar 2022 3:56

Tgt Ion: 91 Resp: 63349

Ion Ratio Lower Upper

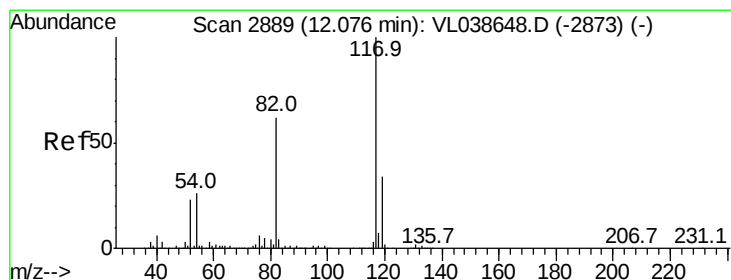
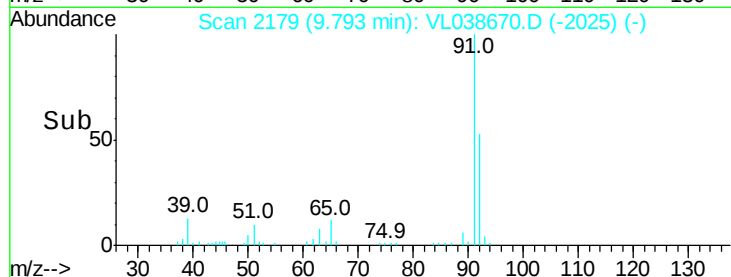
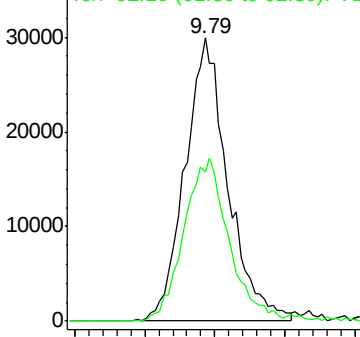
91 100

92 61.8 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL038670.D

Acq: 22 Mar 2022 3:56

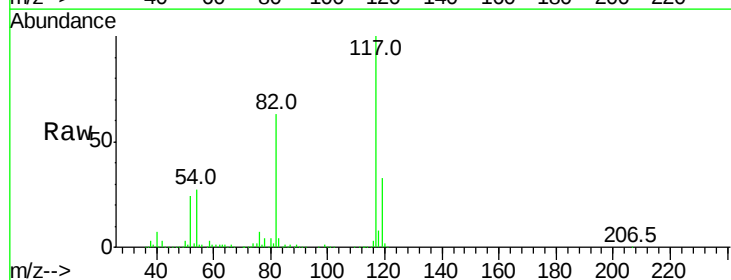
Tgt Ion: 117 Resp: 2136792

Ion Ratio Lower Upper

117 100

82 65.4 51.6 77.4

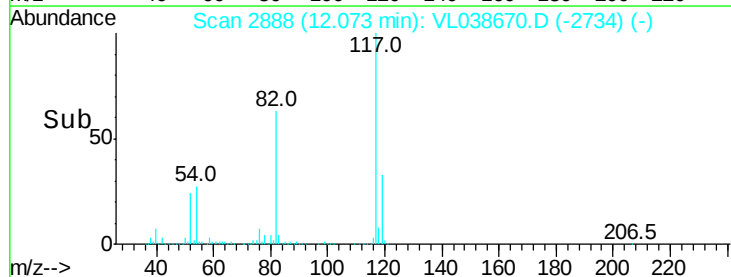
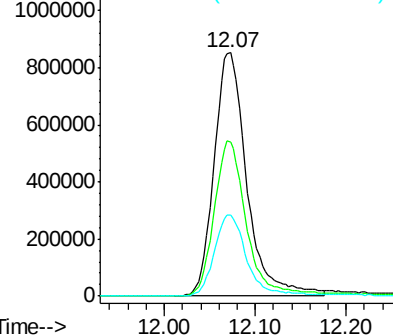
119 34.2 26.9 40.3

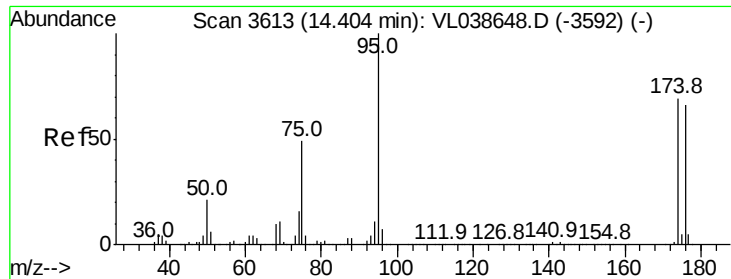


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.42 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 3:30

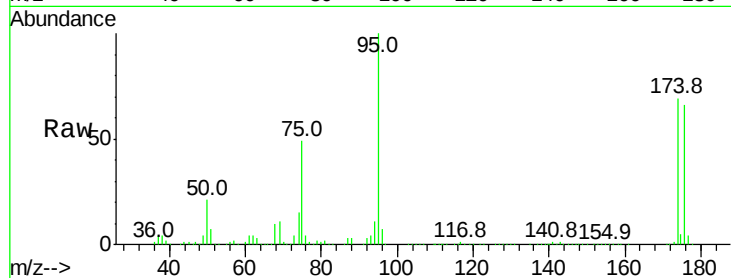
Tgt Ion: 95 Resp: 1542485

Ion Ratio Lower Upper

95 100

174 73.3 56.1 84.1

175 5.4 4.2 6.2



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

