

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038580.D
 Acq On : 9 Mar 2022 17:44
 Operator : SY/AP
 Sample : N1702-03DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL2

Quant Time: Mar 10 00:33:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	859047	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2152934	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1948421	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1445364	9.76	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

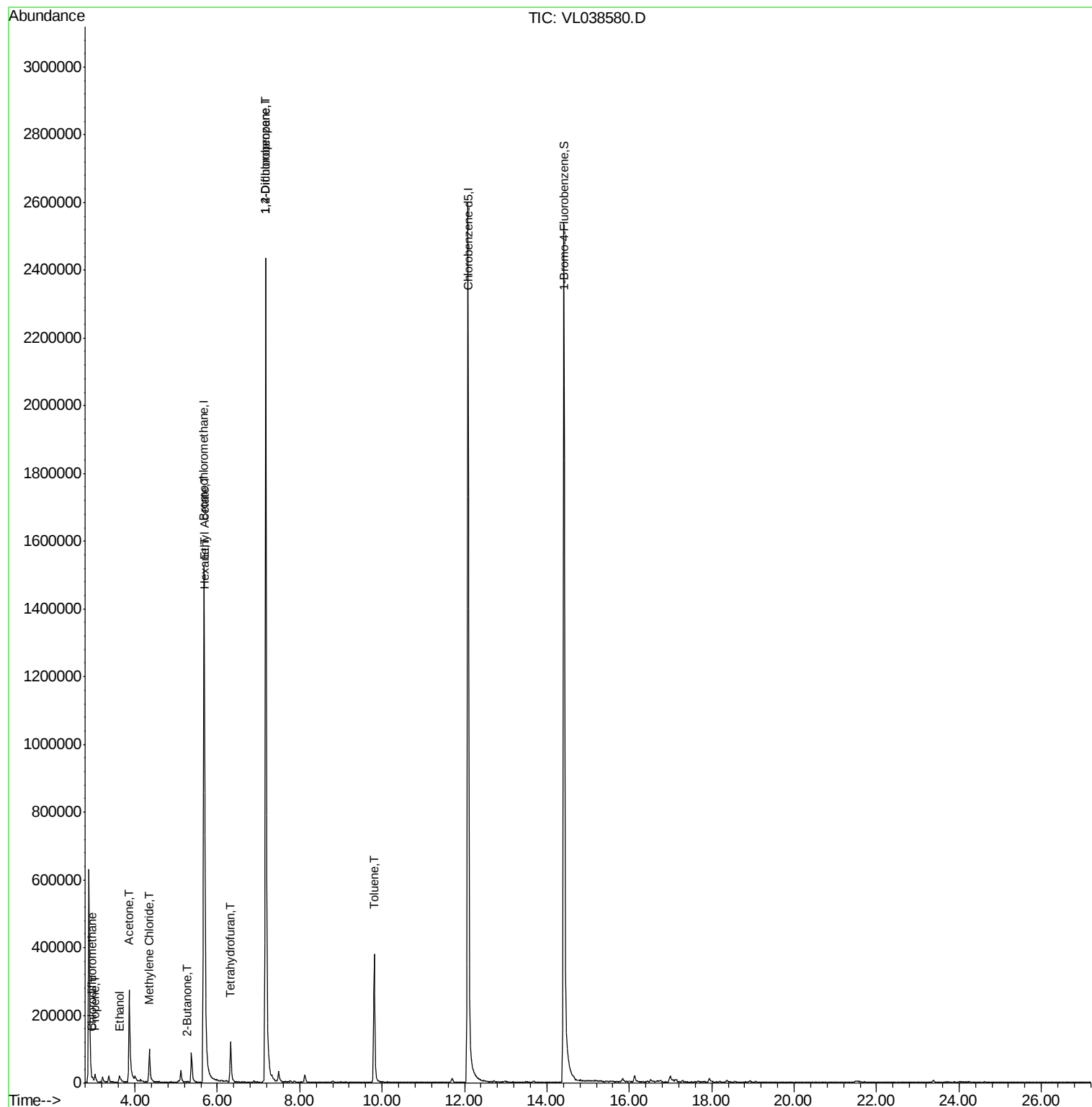
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	11145	0.07	ppbv #	65
9) Propene	3.02	41	2049	0.04	ppbv #	15
13) Ethanol	3.62	45	8475	1.38	ppbv #	34
15) Acetone	3.86	43	398705	6.58	ppbv	95
20) Methylene Chloride	4.35	84	41165	1.13	ppbv	93
25) Ethyl Acetate	5.69	43	170655	0.84	ppbv #	76
26) Hexane	5.69	57	231251	2.41	ppbv #	43
34) 2-Butanone	5.27	43	2416	0.04	ppbv #	66
39) 1,2-Dichloropropane	7.18	63	517295	6.92	ppbv #	26
41) Tetrahydrofuran	6.31	42	3965	0.09	ppbv #	45
53) Toluene	9.81	91	322489	1.55	ppbv	99

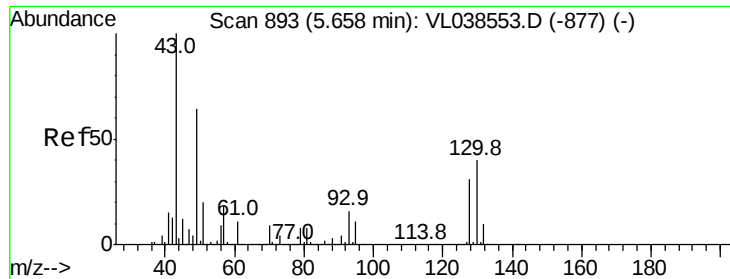
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL2

Quant Time: Mar 10 00:33:52 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 9 Mar 2022 17:44

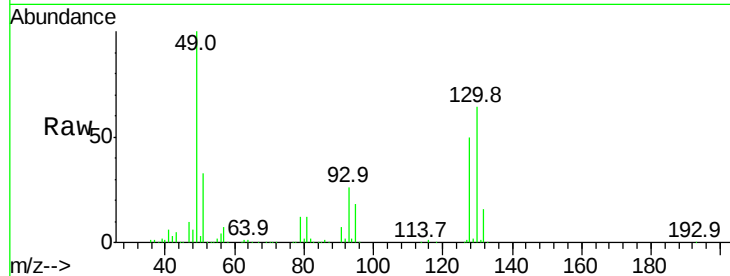
Tgt Ion: 49 Resp: 859047

Ion Ratio Lower Upper

49 100

128 52.1 26.4 79.2

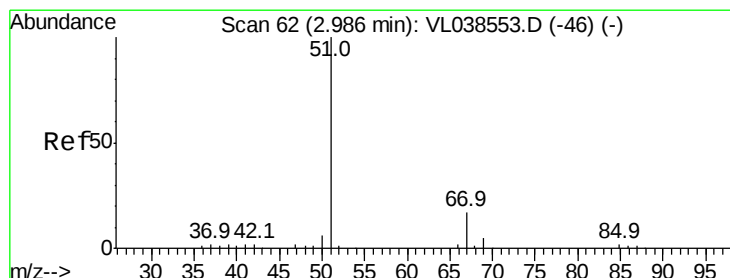
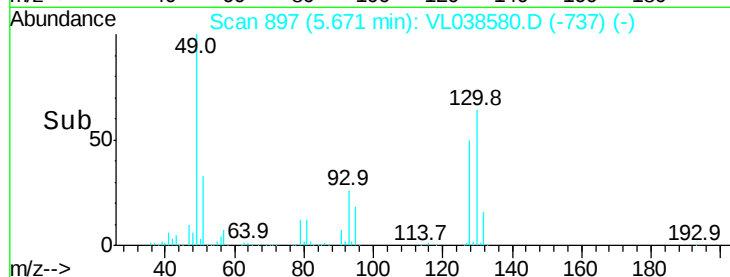
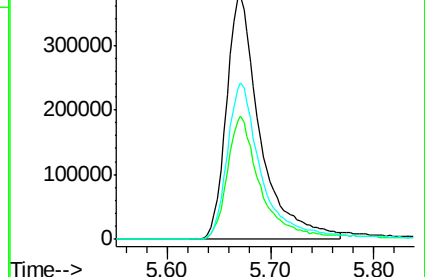
130 67.1 33.0 98.9



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



#3

Chlorodifluoromethane

Concen: 0.07 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL038580.D

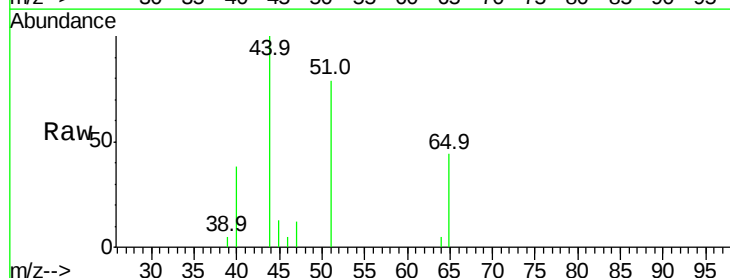
Acq: 9 Mar 2022 17:44

Tgt Ion: 51 Resp: 11145

Ion Ratio Lower Upper

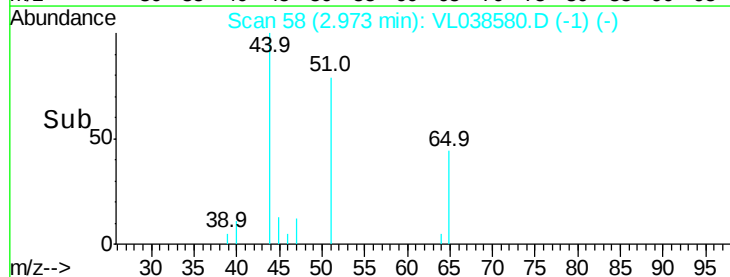
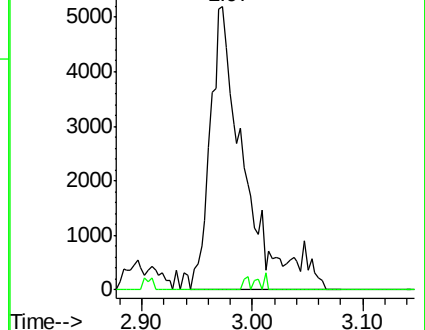
51 100

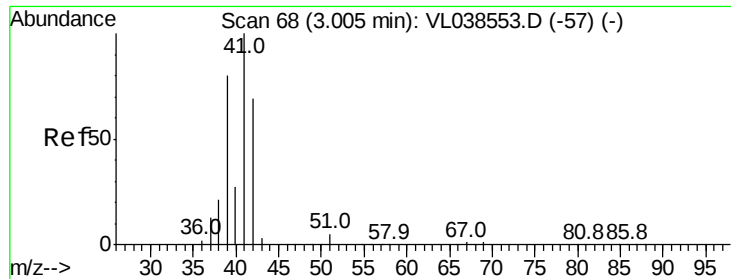
67 1.9 13.6 20.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.04 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

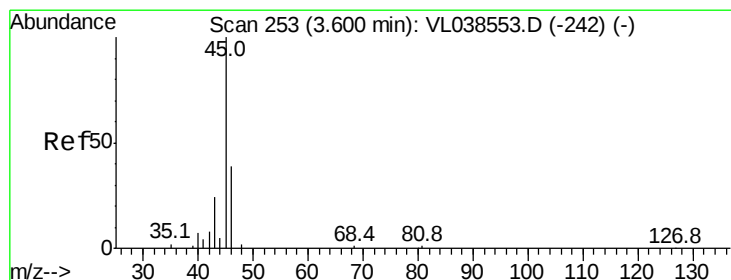
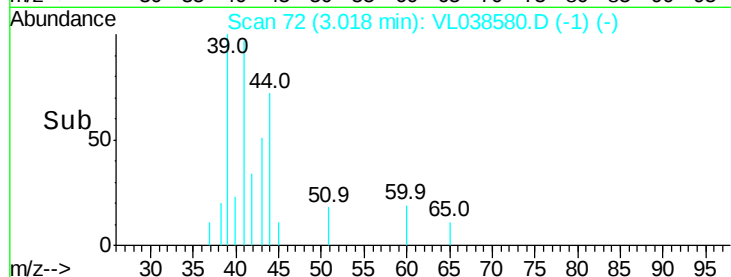
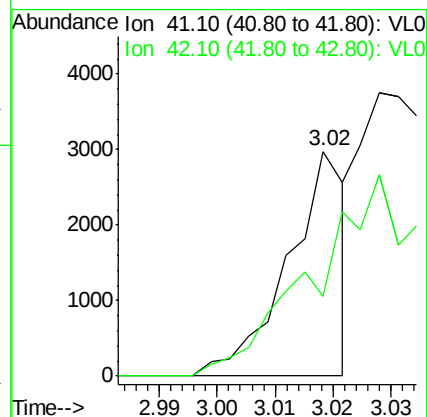
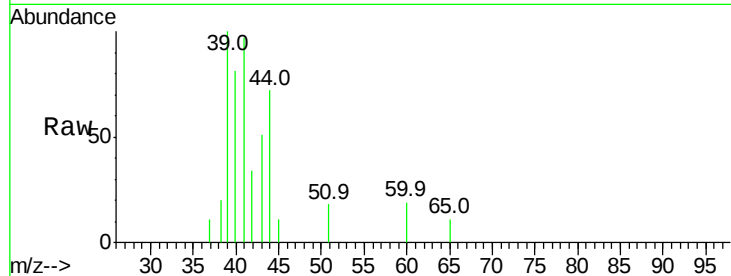
Acq: 9 Mar 2022 17:44

Tgt Ion: 41 Resp: 2049

Ion Ratio Lower Upper

41 100

42 0.0 55.7 83.5#



#13

Ethanol

Concen: 1.38 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038580.D

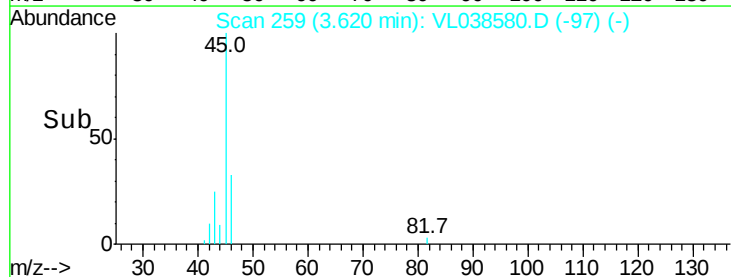
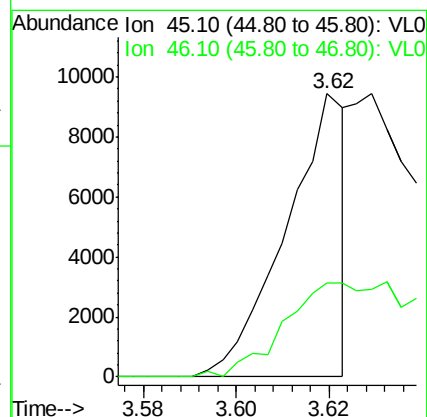
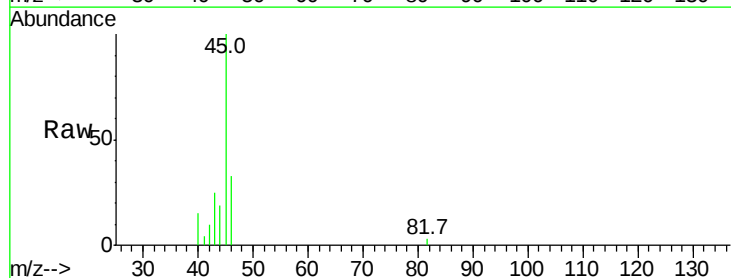
Acq: 9 Mar 2022 17:44

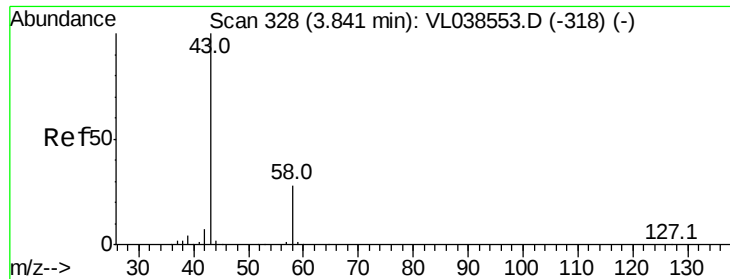
Tgt Ion: 45 Resp: 8475

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.0#





#15

Acetone

Concen: 6.58 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

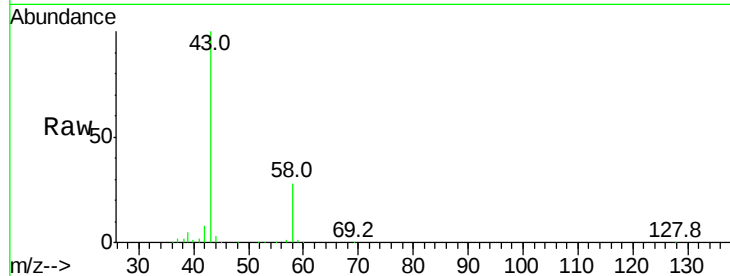
Acq: 9 Mar 2022 17:44

Tgt Ion: 43 Resp: 398705

Ion Ratio Lower Upper

43 100

58 31.1 22.7 34.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

200000

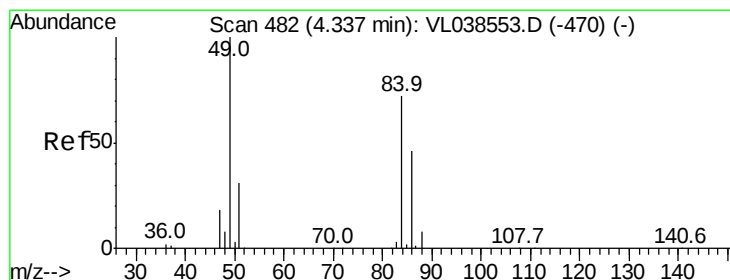
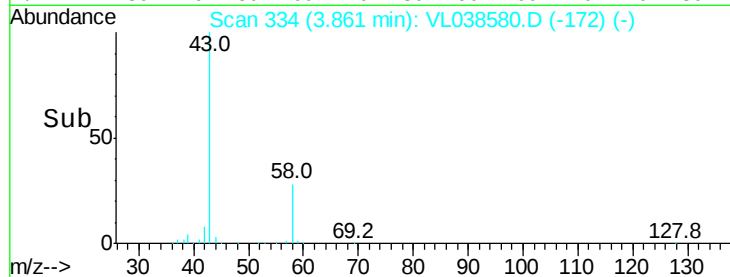
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.13 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038580.D

Acq: 9 Mar 2022 17:44

Tgt Ion: 84 Resp: 41165

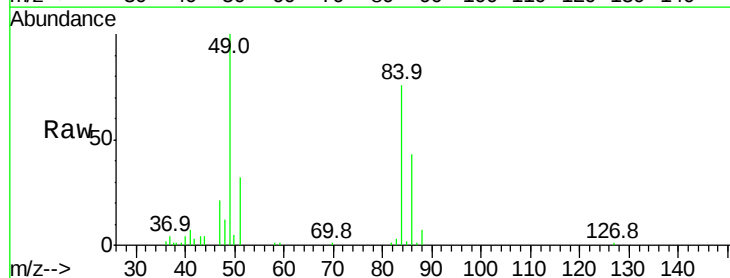
Ion Ratio Lower Upper

84 100

49 130.2 111.1 166.7

51 41.1 34.0 51.0

86 55.5 50.9 76.3



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

4.35

40000

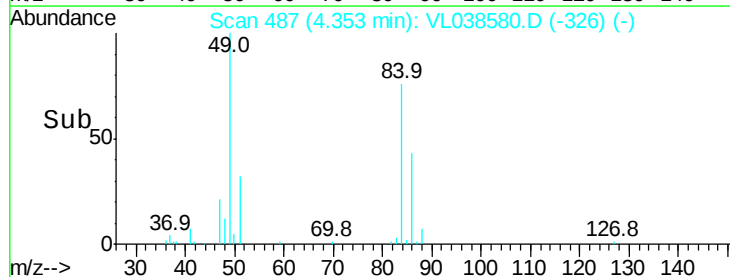
30000

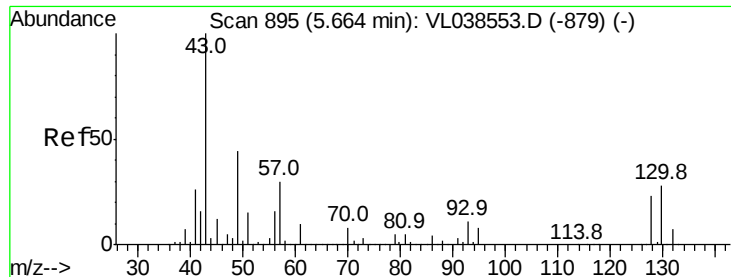
20000

10000

0

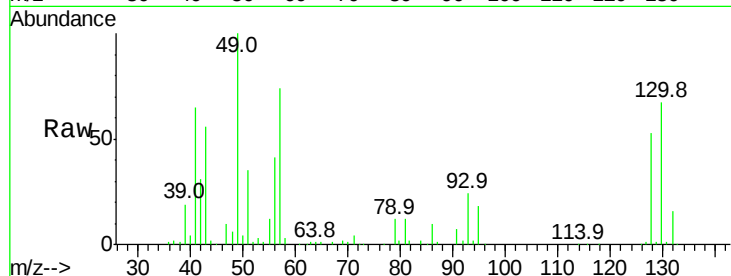
Time-->



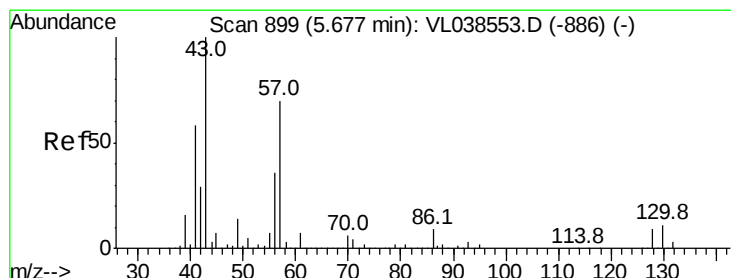
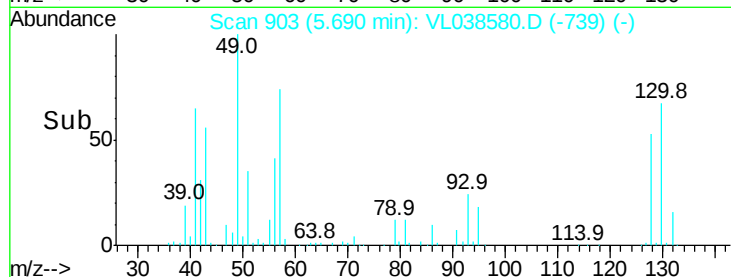
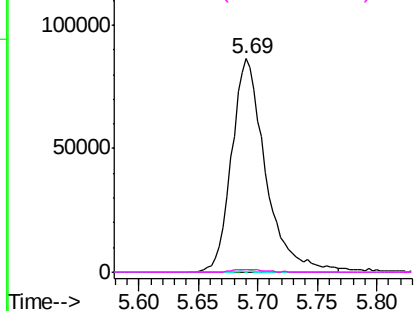


#25
Ethyl Acetate
Concen: 0.84 ppbv
RT: 5.69 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 9 Mar 2022 17:44

Tgt Ion:	43	Resp:	170655
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.0	12.0#
61	0.4	8.2	12.4#
70	1.4	5.4	8.2#

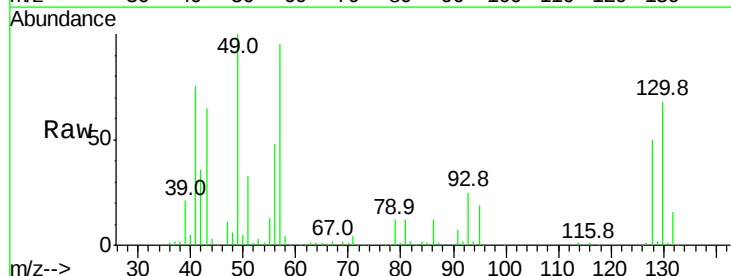


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

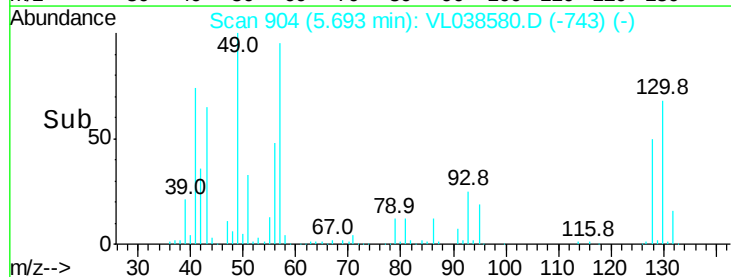
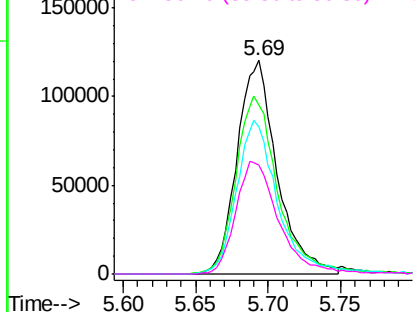


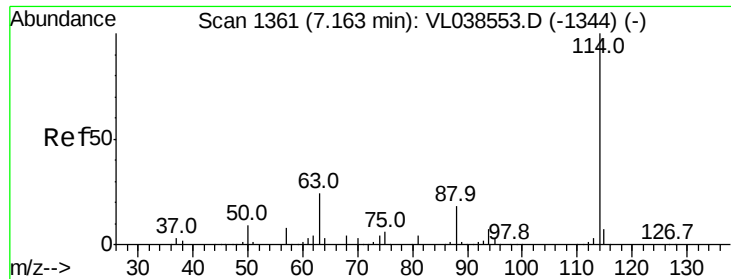
#26
Hexane
Concen: 2.41 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038580.D
Acq: 9 Mar 2022 17:44

Tgt Ion:	57	Resp:	231251
Ion	Ratio	Lower	Upper
57	100		
41	88.9	67.8	101.6
43	75.0	173.6	260.4#
56	57.1	42.2	63.2



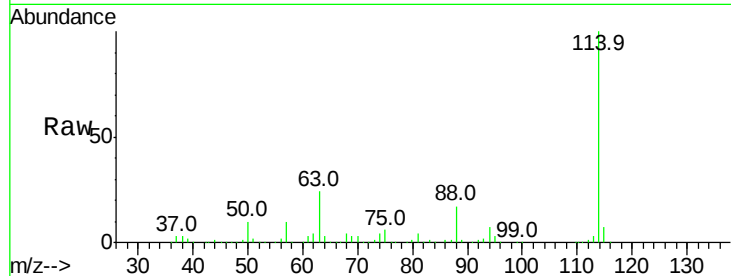
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



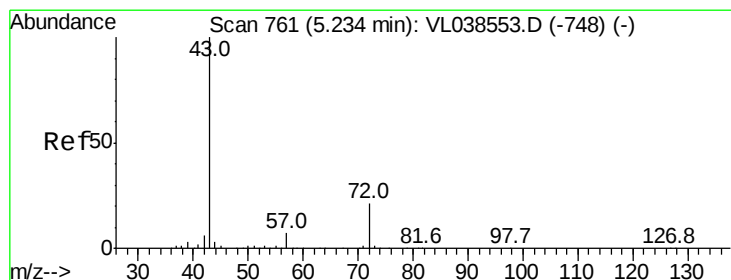
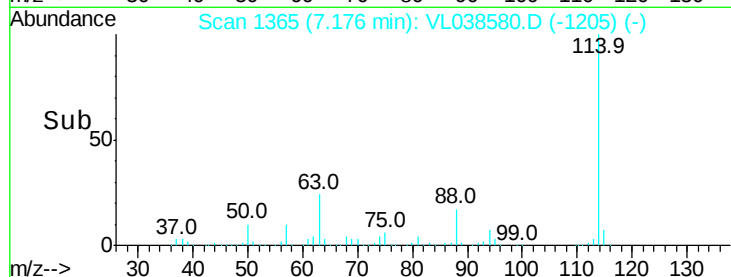
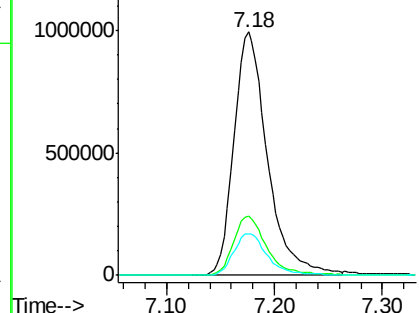


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 17:44

Tgt Ion: 114 Resp: 2152934
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 17.5 13.9 20.9

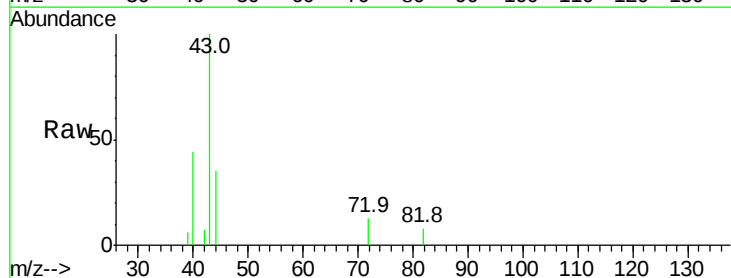


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

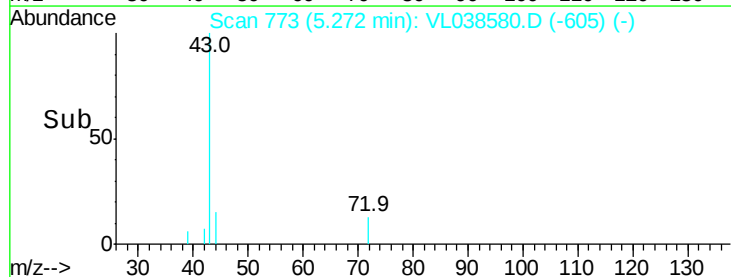
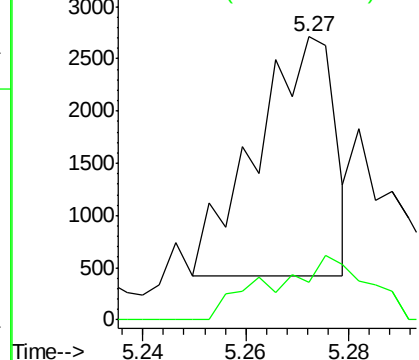


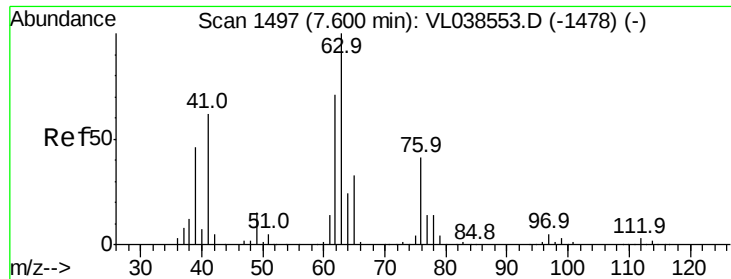
#34
 2-Butanone
 Concen: 0.04 ppbv
 RT: 5.27 min Scan# 773
 Delta R.T. 0.04 min
 Lab File: VL038580.D
 Acq: 9 Mar 2022 17:44

Tgt Ion: 43 Resp: 2416
 Ion Ratio Lower Upper
 43 100
 72 38.7 17.8 26.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 6.92 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 17:44

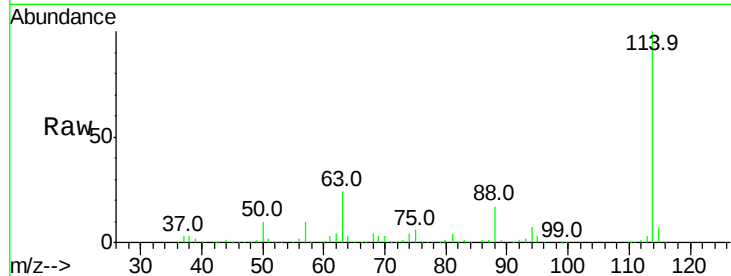
Tgt Ion: 63 Resp: 517295

Ion Ratio Lower Upper

63 100

41 0.0 49.8 74.6#

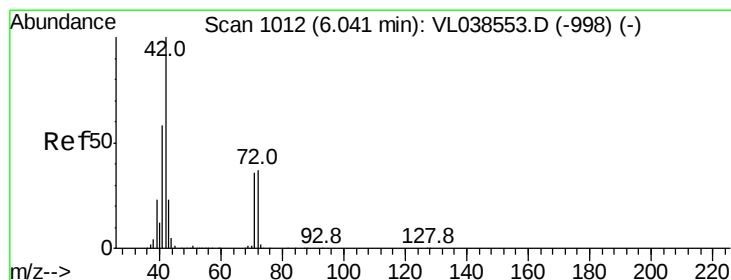
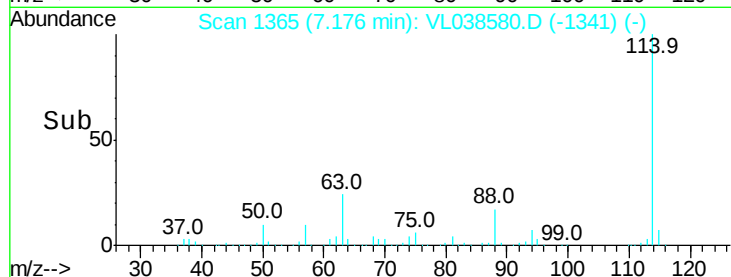
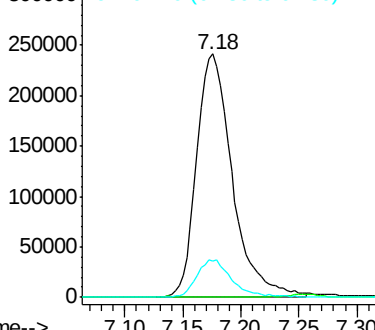
62 15.1 56.7 85.1#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.09 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.27 min

Lab File: VL038580.D

Acq: 9 Mar 2022 17:44

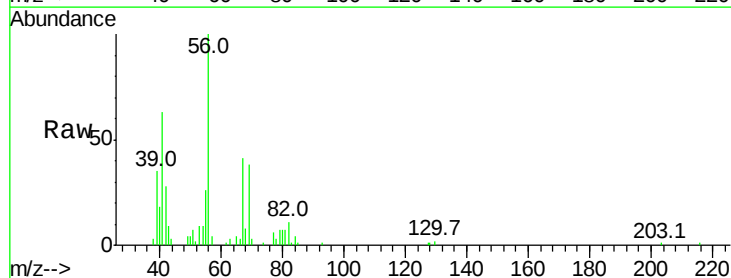
Tgt Ion: 42 Resp: 3965

Ion Ratio Lower Upper

42 100

72 9.1 30.9 46.3#

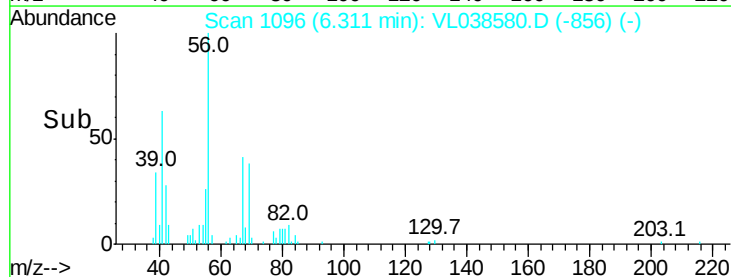
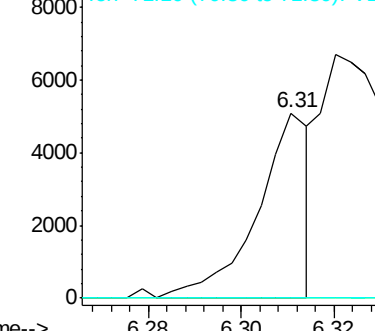
71 0.0 29.1 43.7#

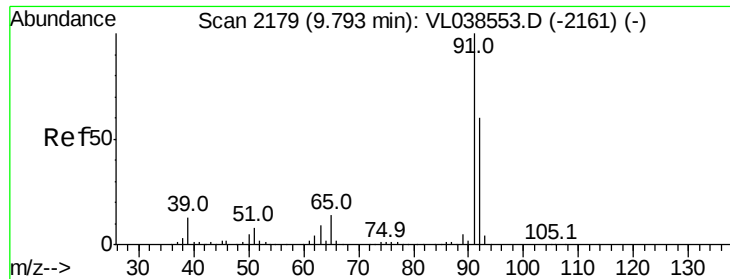


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#53

Toluene

Concen: 1.55 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

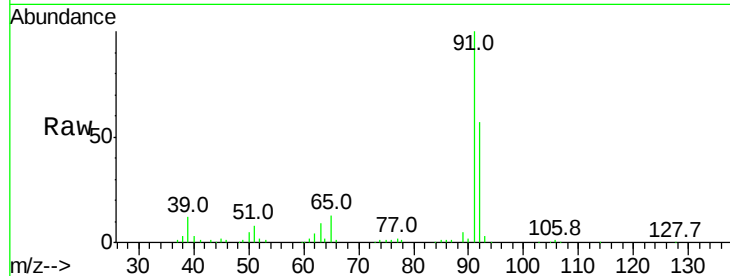
Acq: 9 Mar 2022 17:44

Tgt Ion: 91 Resp: 322489

Ion Ratio Lower Upper

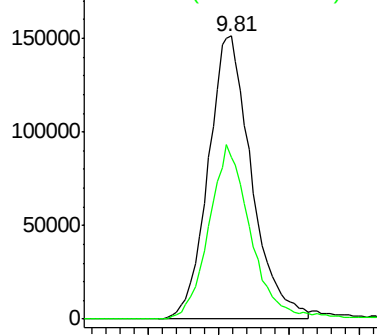
91 100

92 61.1 48.1 72.1

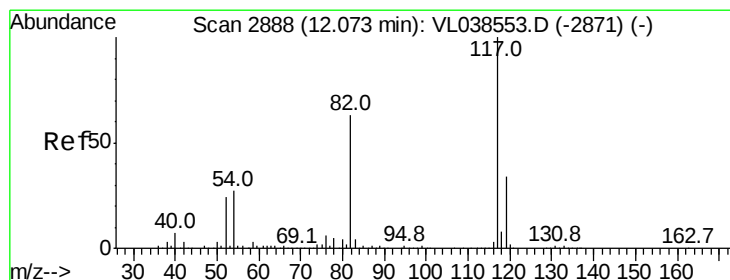
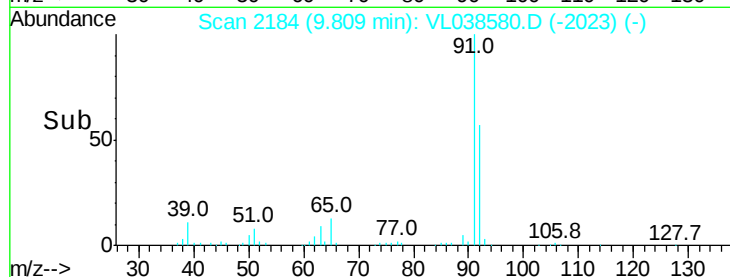


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038580.D

Acq: 9 Mar 2022 17:44

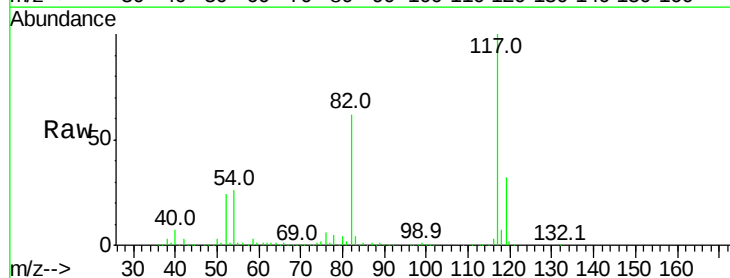
Tgt Ion: 117 Resp: 1948421

Ion Ratio Lower Upper

117 100

82 64.8 52.5 78.7

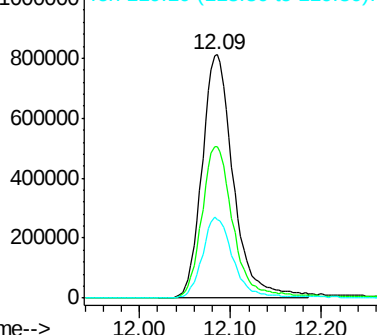
119 33.6 46.4 69.6#



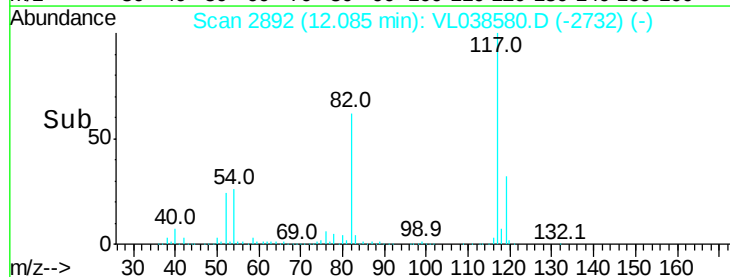
Abundance Ion 117.10 (116.80 to 117.80): V

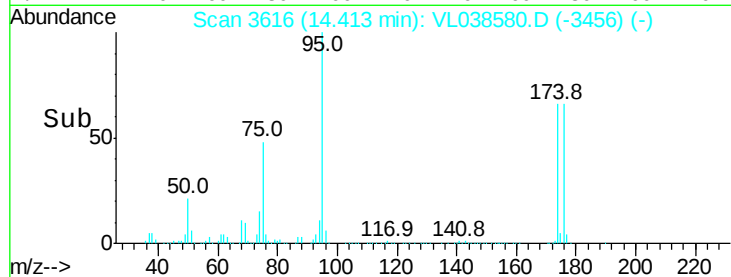
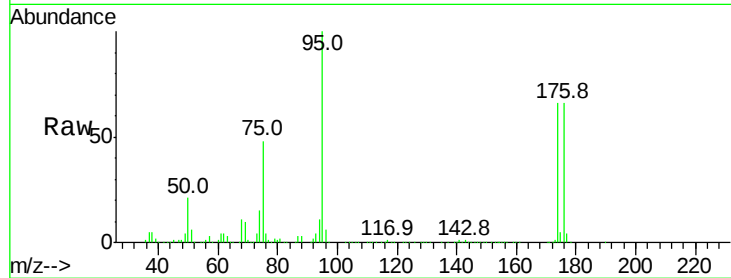
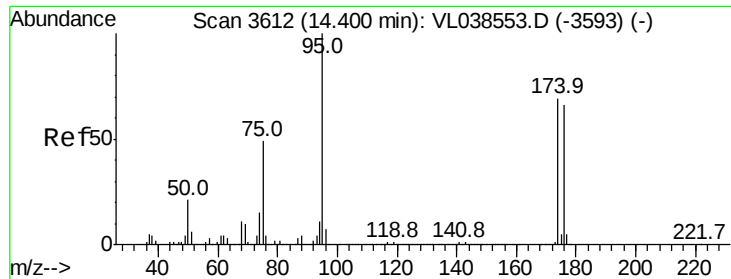
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->





#68

1-Bromo-4-Fluorobenzene

Concen: 9.76 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 17.44

Tgt Ion: 95 Resp: 1445364

Ion Ratio Lower Upper

95 100

174 70.8 56.2 84.4

175 5.1 4.2 6.2

