

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038727.D
 Acq On : 23 Mar 2022 22:29
 Operator : SY/AP
 Sample : N2047-04DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 24 04:35:51 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	885504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2303987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1955220	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1424993	9.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

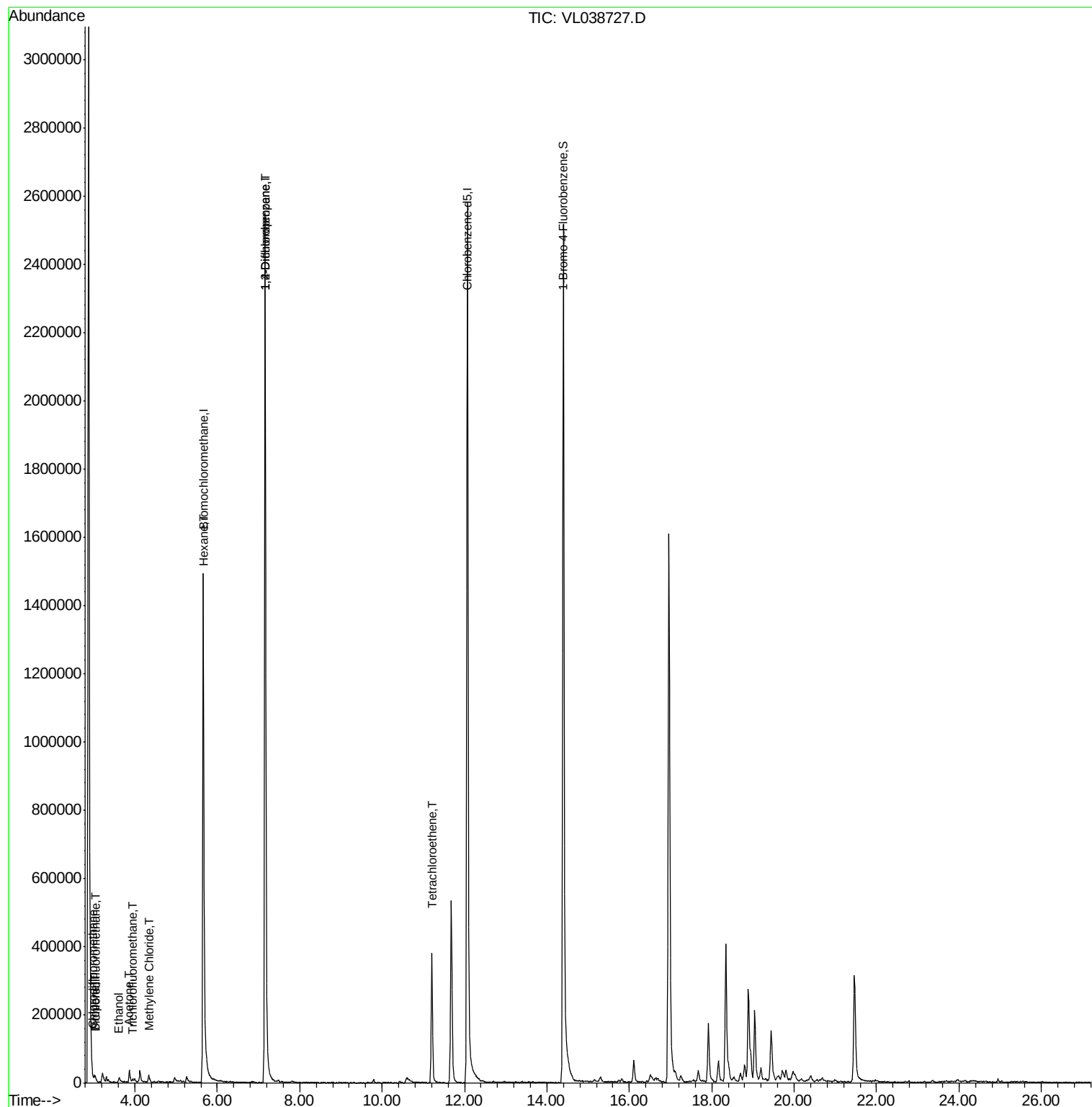
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9229	0.078	ppbv	94
3) Chlorodifluoromethane	2.98	51	5256	0.056	ppbv	99
9) Propene	3.01	41	2467	0.055	ppbv #	15
11) Trichlorofluoromethane	3.94	101	3799	0.036	ppbv	98
13) Ethanol	3.61	45	6295	1.264	ppbv #	1
15) Acetone	3.86	43	35170	0.460	ppbv #	78
20) Methylene Chloride	4.34	84	8726	0.271	ppbv	96
26) Hexane	5.67	57	3834	0.045	ppbv #	47
39) 1,2-Dichloropropane	7.16	63	532390	7.659	ppbv #	29
52) Tetrachloroethene	11.21	164	104523	1.606	ppbv	95

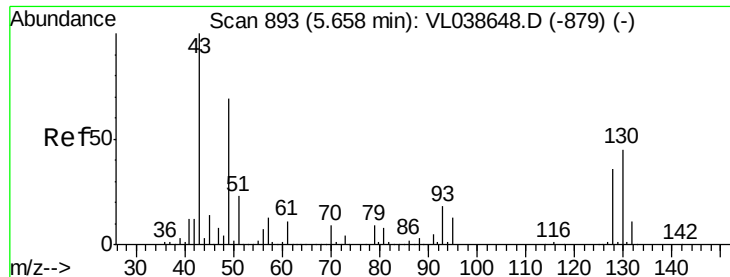
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032322\
Data File : VL038727.D
Acq On : 23 Mar 2022 22:29
Operator : SY/AP
Sample : N2047-04DL 5X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 24 04:35:51 2022
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 22:29

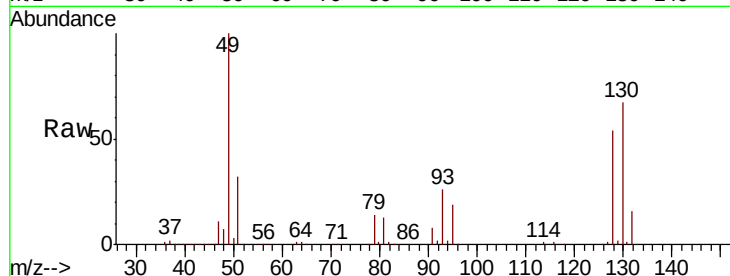
Tot Ion: 49 Resp: 885504

Ion Ratio Lower Upper

49 100

128 54.3 26.2 78.6

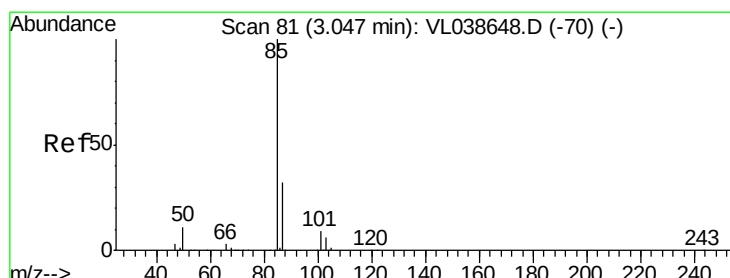
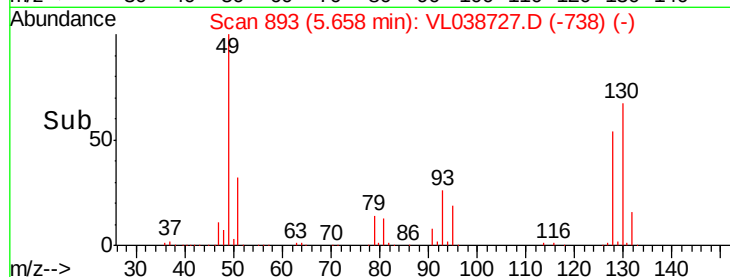
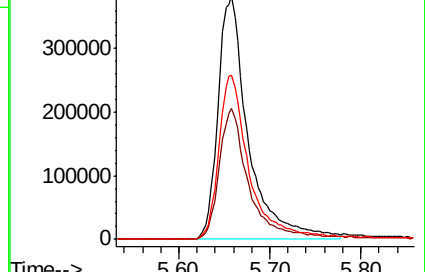
130 70.3 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.078 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038727.D

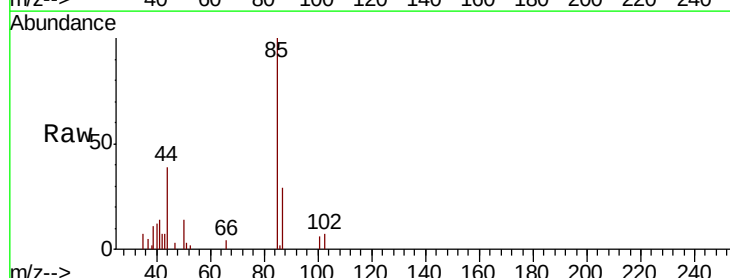
Acq: 23 Mar 2022 22:29

Tgt Ion: 85 Resp: 9229

Ion Ratio Lower Upper

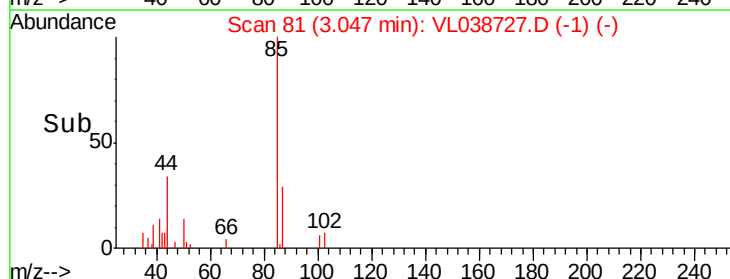
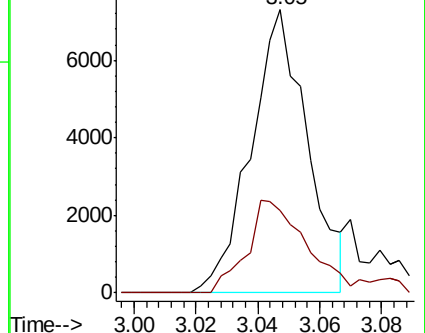
85 100

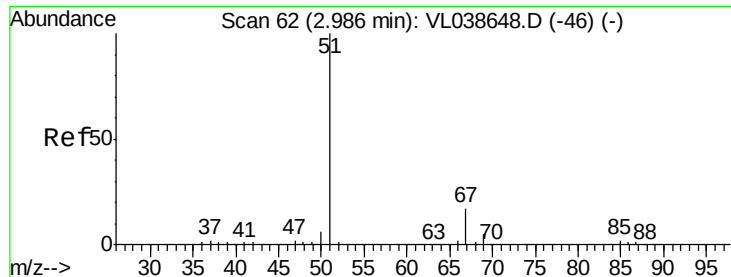
87 29.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.056 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

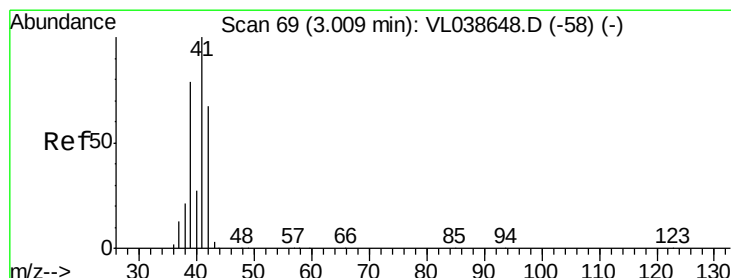
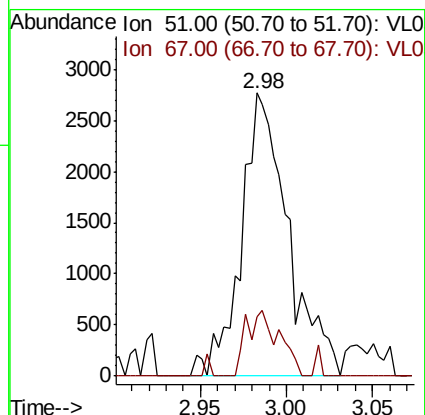
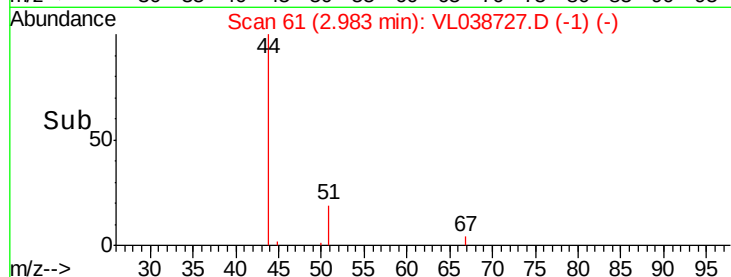
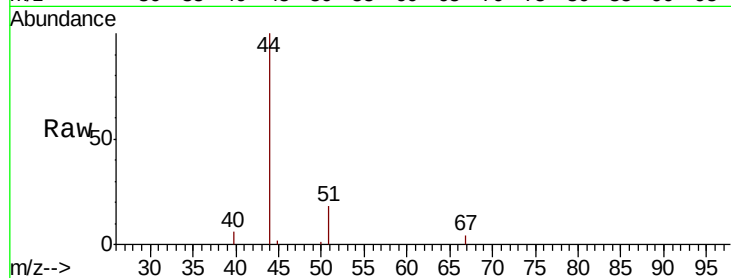
Acq: 23 Mar 2022 22:29

Tot Ion: 51 Resp: 5256

Ion Ratio Lower Upper

51 100

67 18.1 14.1 21.1



#9

Propene

Concen: 0.055 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL038727.D

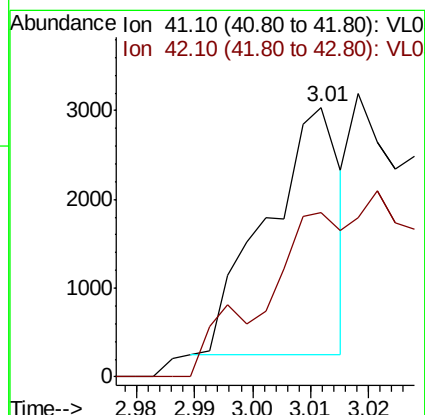
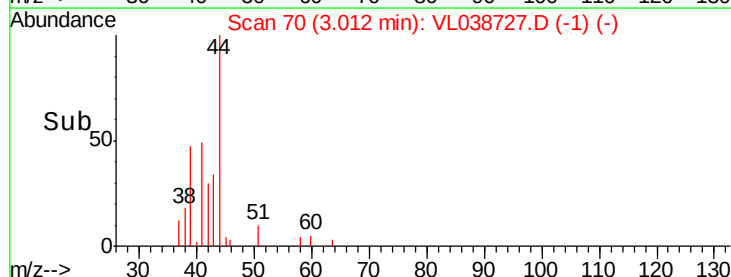
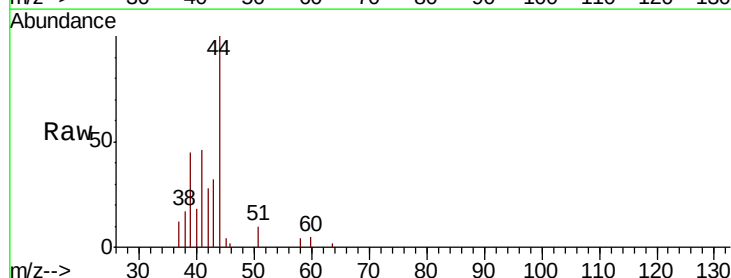
Acq: 23 Mar 2022 22:29

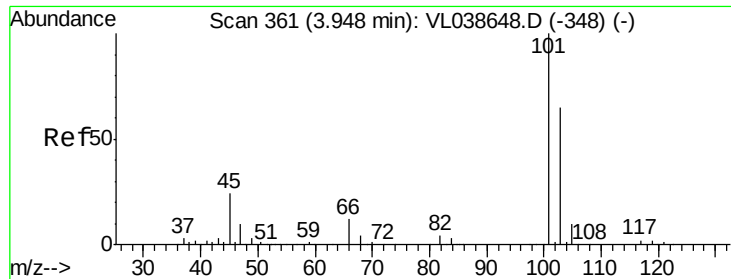
Tgt Ion: 41 Resp: 2467

Ion Ratio Lower Upper

41 100

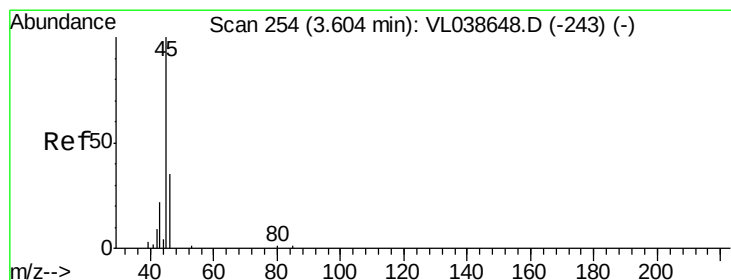
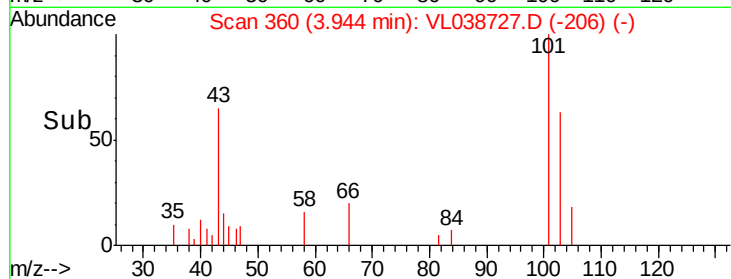
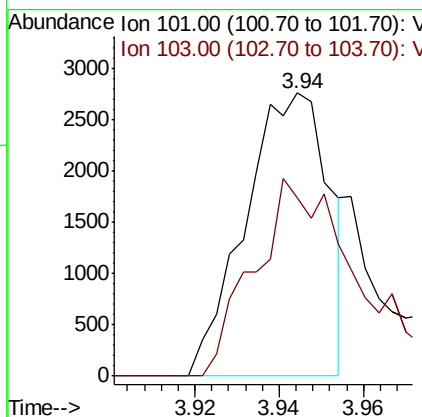
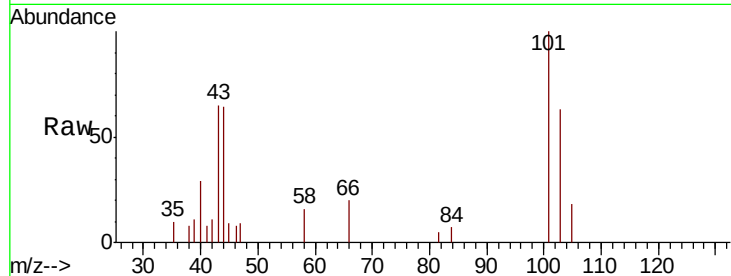
42 0.0 56.2 84.4#





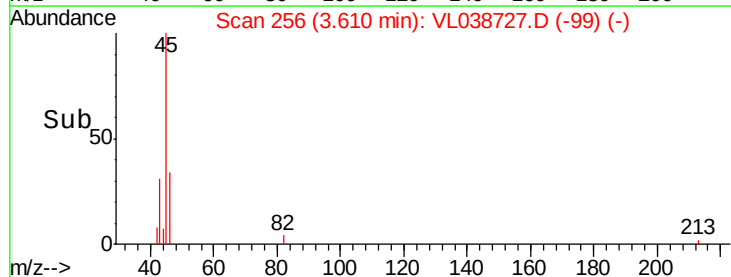
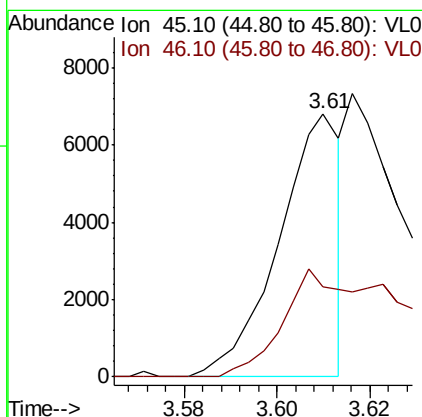
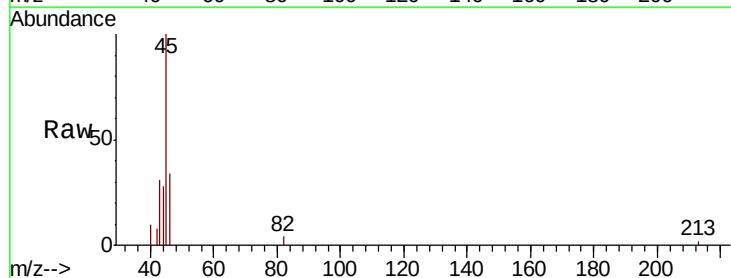
#11
 Trichlorofluoromethane
 Concen: 0.036 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 22:29

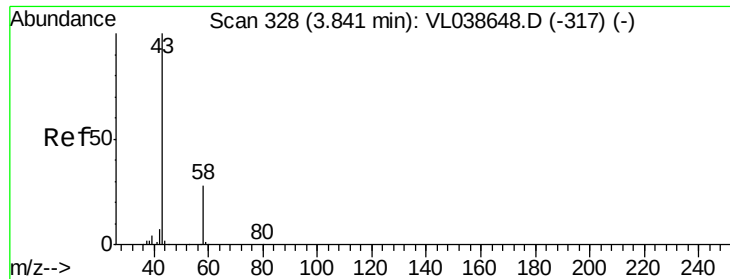
Tot Ion: 101 Resp: 3799
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9



#13
 Ethanol
 Concen: 1.264 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL038727.D
 Acq: 23 Mar 2022 22:29

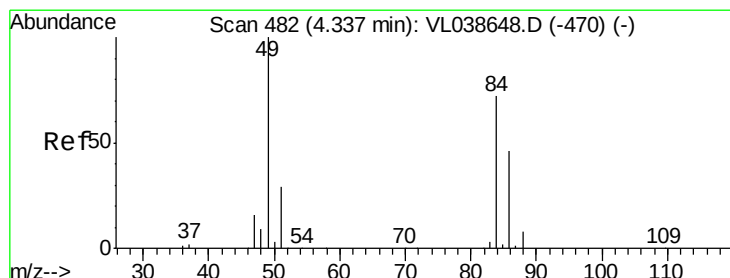
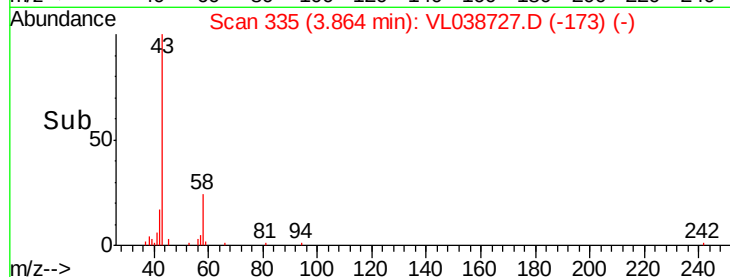
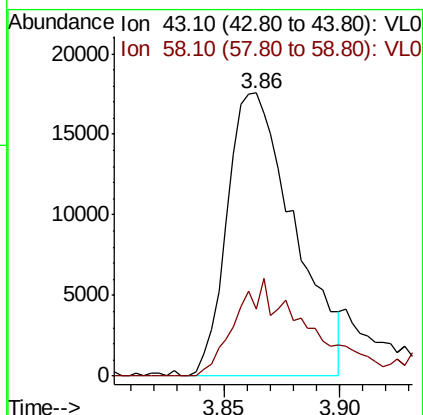
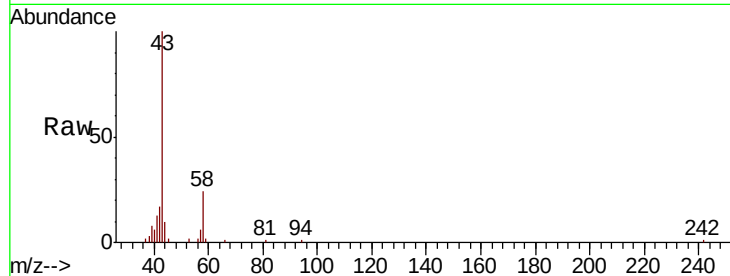
Tgt Ion: 45 Resp: 6295
 Ion Ratio Lower Upper
 45 100
 46 113.2 15.1 60.5#





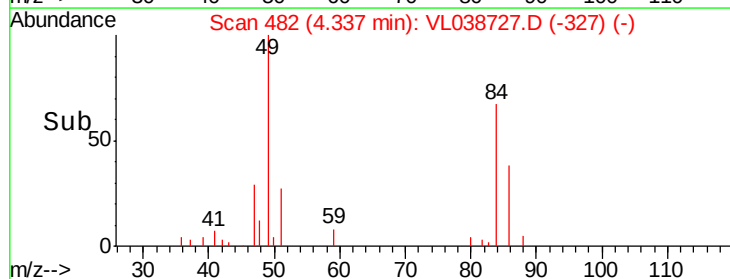
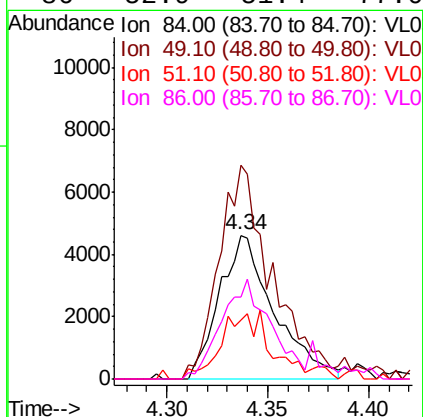
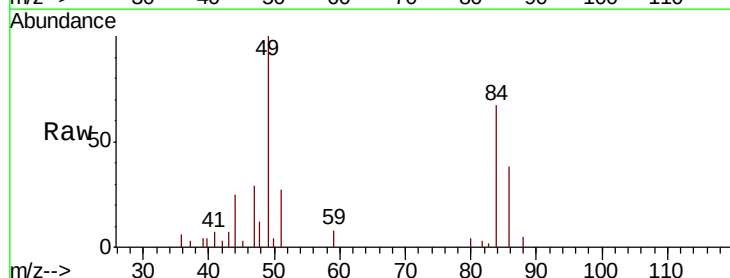
#15
Acetone
Concen: 0.460 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 22:29

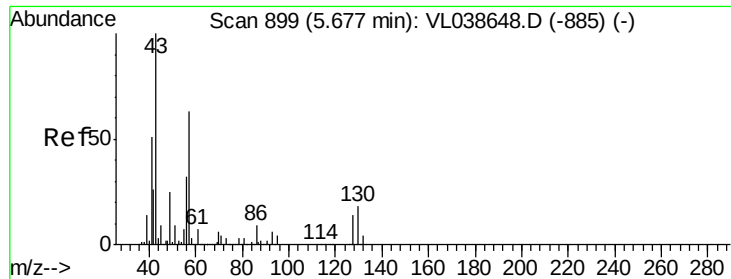
Tot Ion: 43 Resp: 35170
Ion Ratio Lower Upper
43 100
58 41.1 23.3 34.9#



#20
Methylene Chloride
Concen: 0.271 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL038727.D
Acq: 23 Mar 2022 22:29

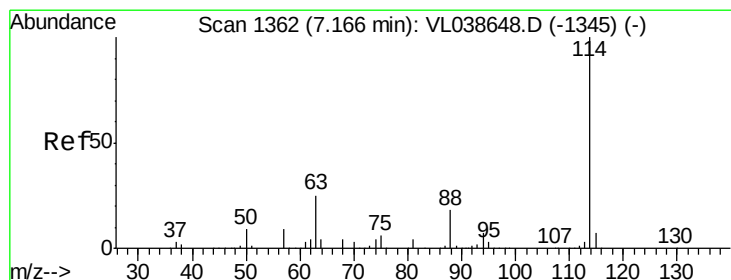
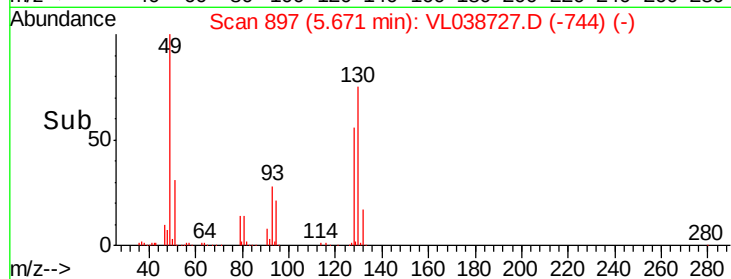
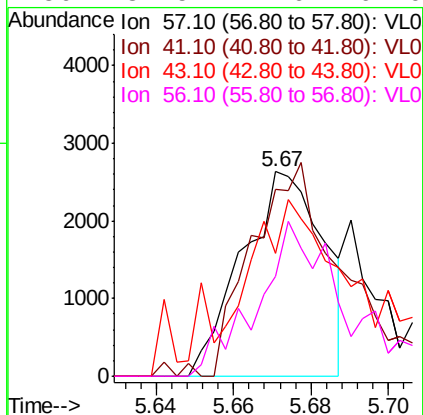
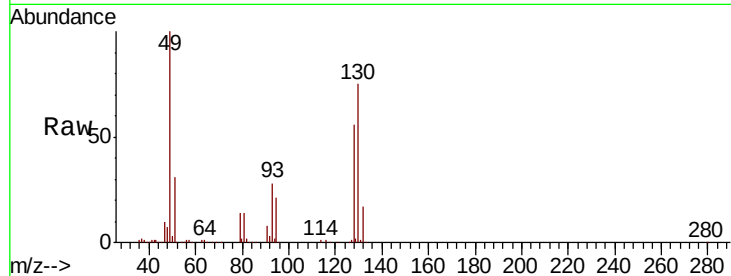
Tgt Ion: 84 Resp: 8726
Ion Ratio Lower Upper
84 100
49 140.1 111.2 166.8
51 40.9 32.8 49.2
86 52.9 51.4 77.0





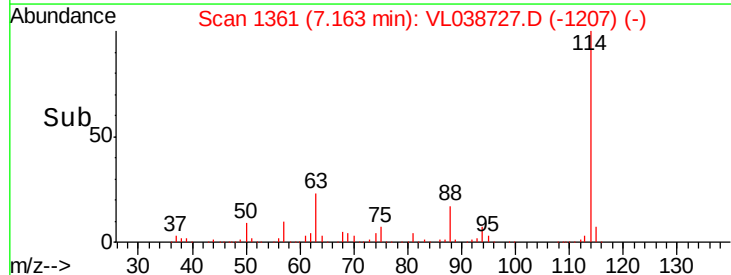
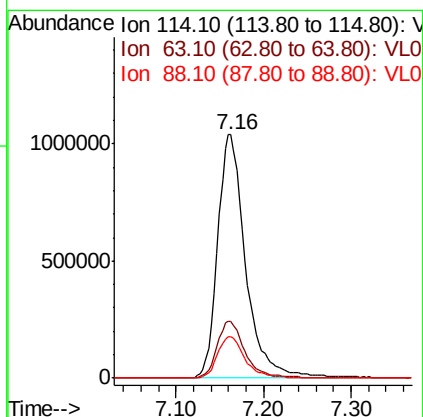
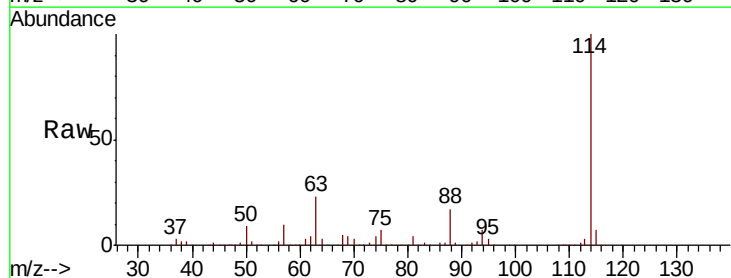
#26
Hexane
Concen: 0.045 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 22:29

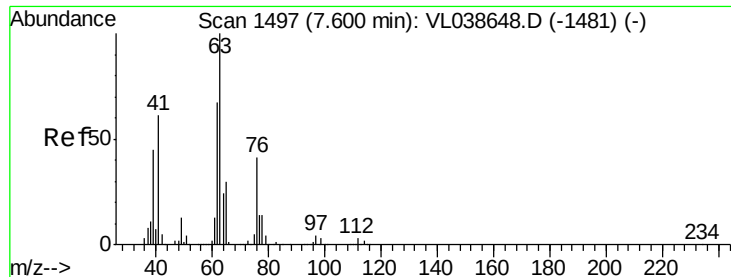
Tot Ion: 57 Resp: 3834
Ion Ratio Lower Upper
57 100
41 128.3 67.0 100.4#
43 136.9 184.2 276.2#
56 84.5 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL038727.D
Acq: 23 Mar 2022 22:29

Tgt Ion: 114 Resp: 2303987
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.1 13.9 20.9





#39

1,2-Dichloropropane

Concen: 7.659 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 22:29

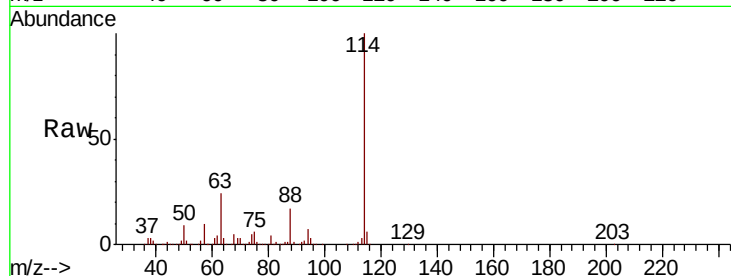
Tot Ion: 63 Resp: 532390

Ion Ratio Lower Upper

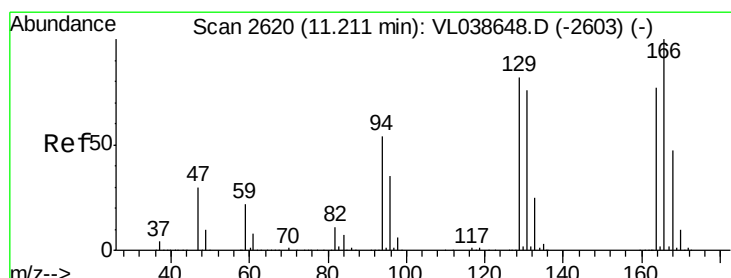
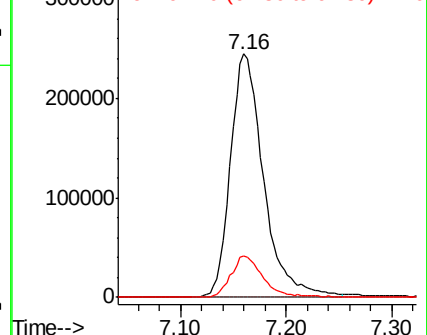
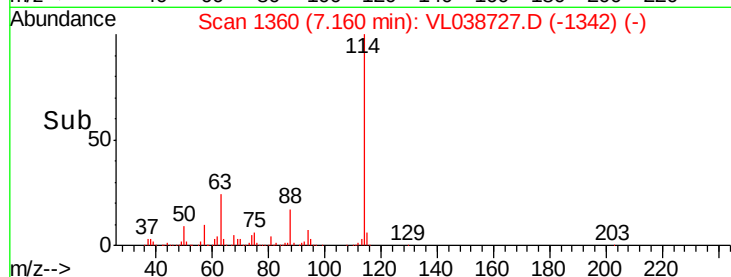
63 100

41 0.0 49.0 73.6#

62 17.0 53.9 80.9#



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



#52

Tetrachloroethene

Concen: 1.606 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL038727.D

Acq: 23 Mar 2022 22:29

Tgt Ion:164 Resp: 104523

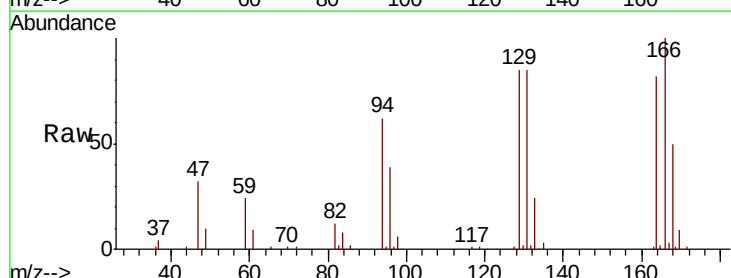
Ion Ratio Lower Upper

164 100

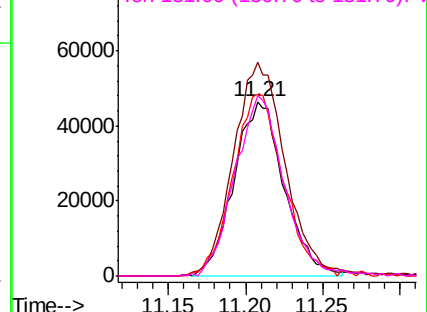
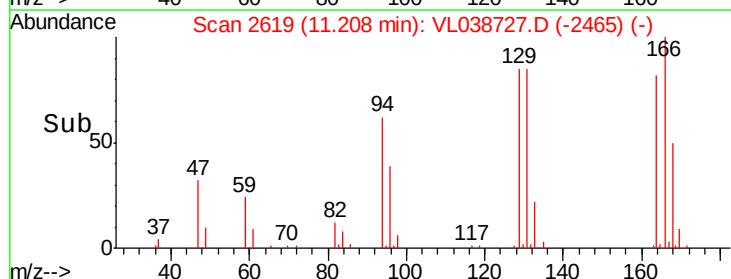
166 120.7 103.3 154.9

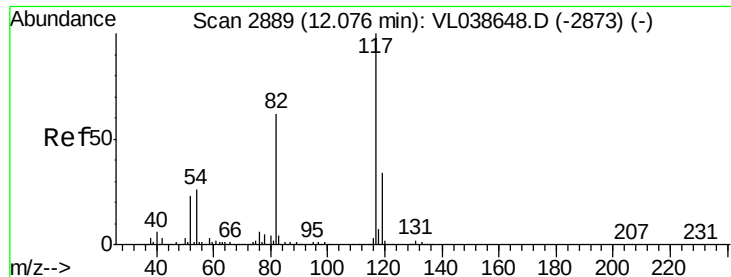
129 102.8 85.2 127.8

131 102.3 78.3 117.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

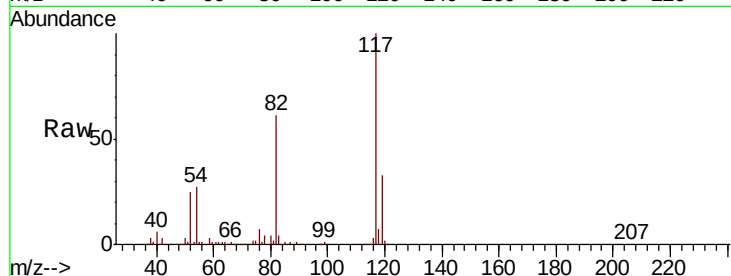




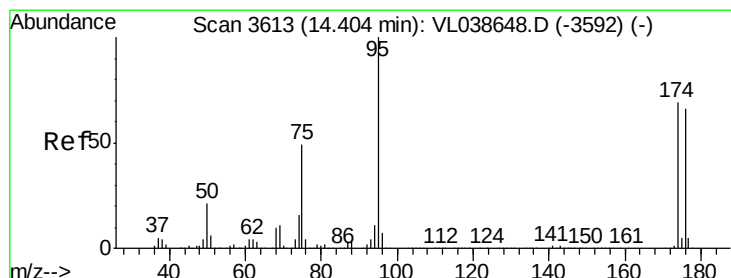
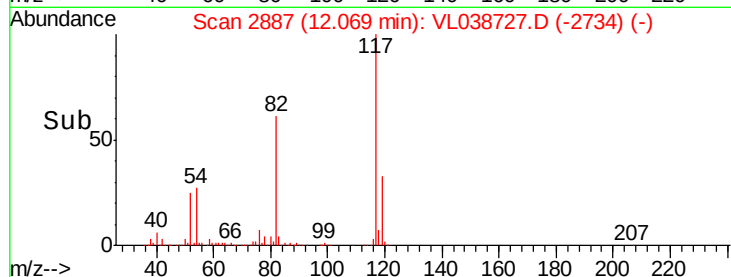
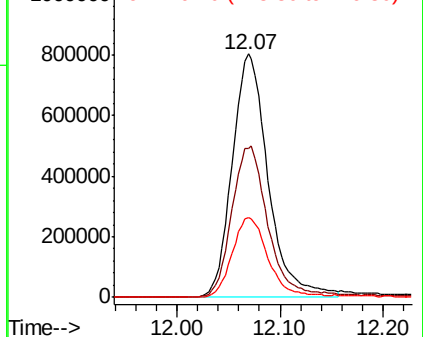
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 22:29

Tot Ion: 117 Resp: 1955220

Ion	Ratio	Lower	Upper
117	100		
82	65.6	51.6	77.4
119	33.6	26.9	40.3



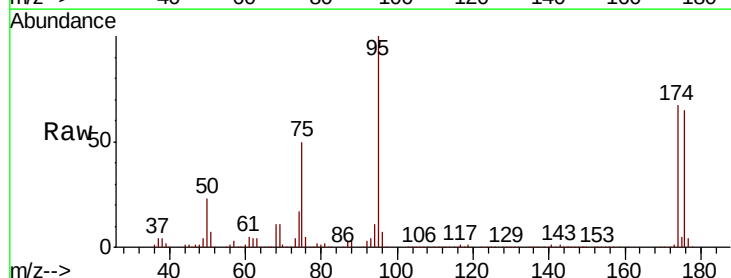
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.506 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.01 min
 Lab File: VL038727.D
 Acq: 23 Mar 2022 22:29

Tgt Ion: 95 Resp: 1424993

Ion	Ratio	Lower	Upper
95	100		
174	71.3	56.1	84.1
175	5.0	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

