

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036803.D
 Acq On : 13 Apr 2021 15:01
 Operator : SY/AP
 Sample : M2018-03 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:40:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1333218	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3372164	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2538118	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1666491	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

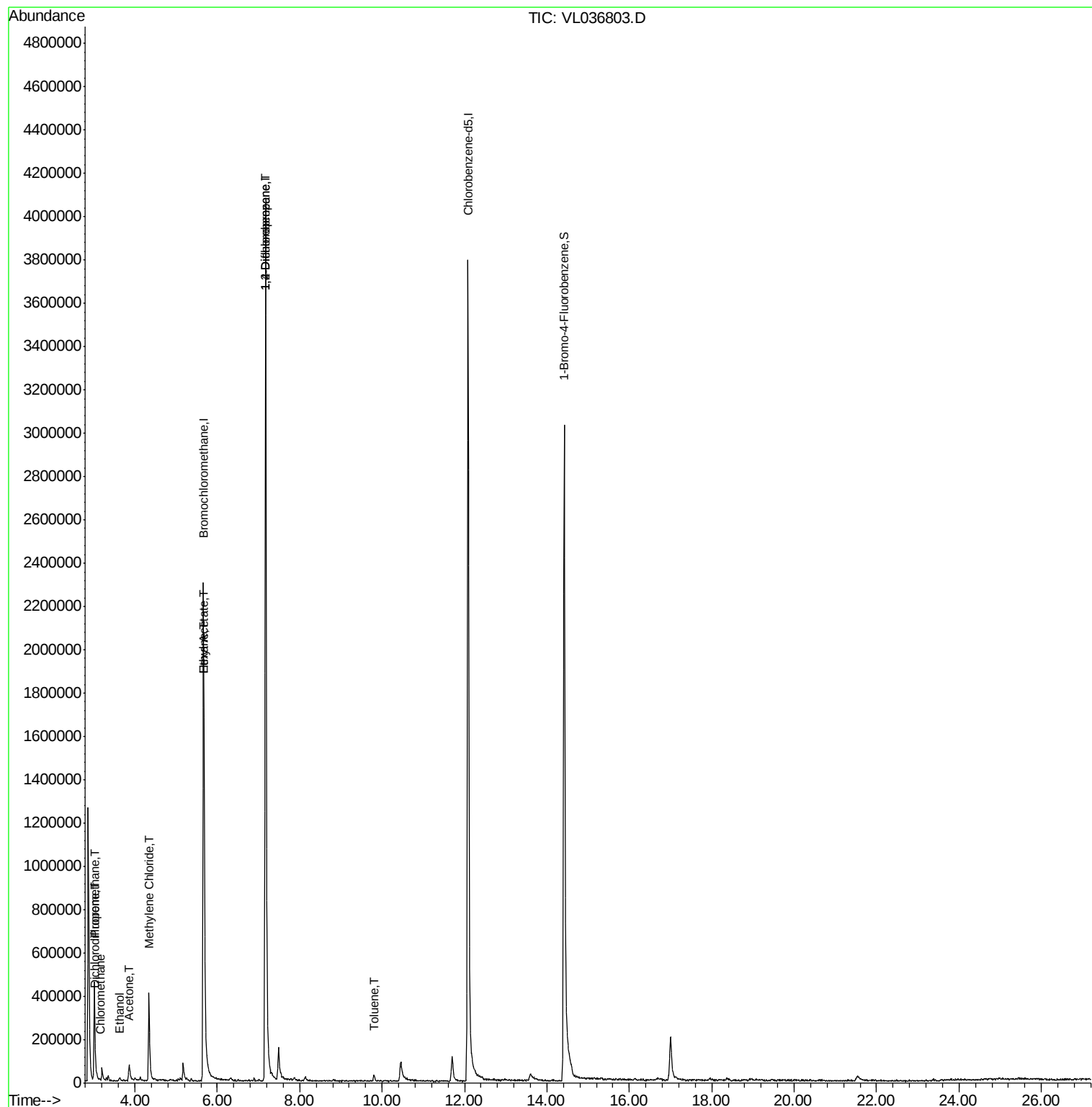
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	8672	0.040	ppbv #	78
4) Chloromethane	3.14	50	4791	0.054	ppbv #	57
9) Propene	3.02	41	148536	1.870	ppbv #	78
13) Ethanol	3.62	45	11326	1.198	ppbv #	34
15) Acetone	3.86	43	88714	0.676	ppbv #	61
20) Methylene Chloride	4.34	84	153452	2.498	ppbv	94
25) Ethyl Acetate	5.69	43	75264	0.241	ppbv #	80
26) Hexane	5.69	57	99389	0.687	ppbv #	44
39) 1,2-Dichloropropane	7.17	63	859367	6.812	ppbv #	22
53) Toluene	9.81	91	10581	0.032	ppbv #	20

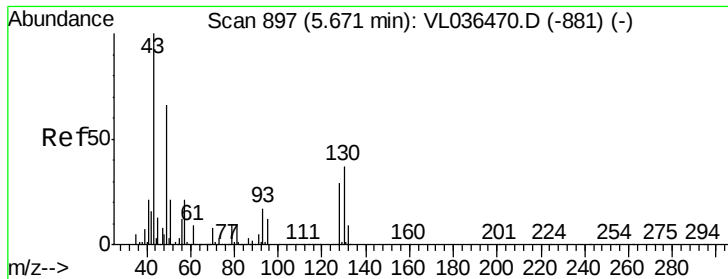
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 15:01

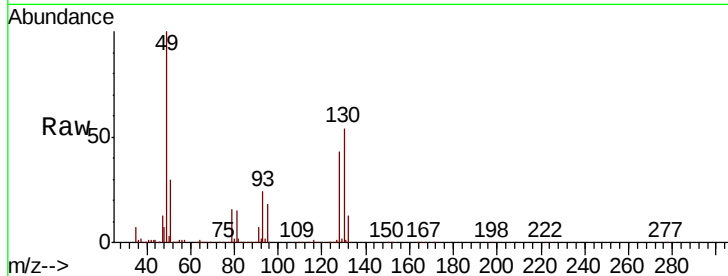
Tot Ion: 49 Resp: 1333218

Ion Ratio Lower Upper

49 100

128 47.7 23.5 70.6

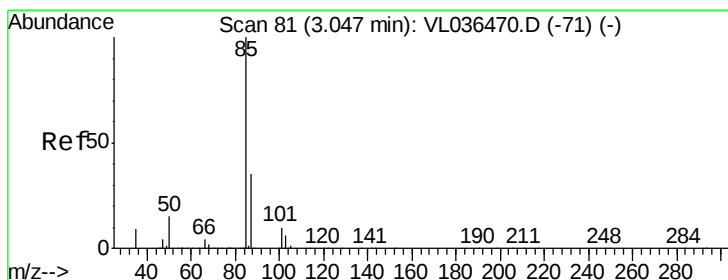
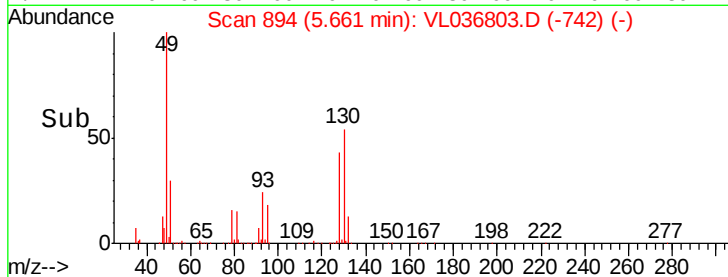
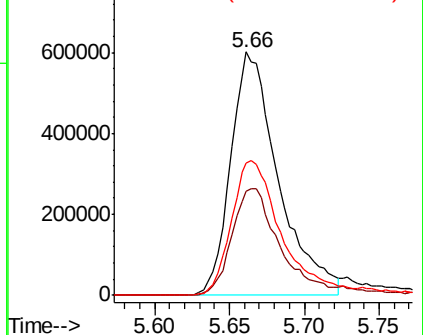
130 62.8 29.1 87.4



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: 0.040 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036803.D

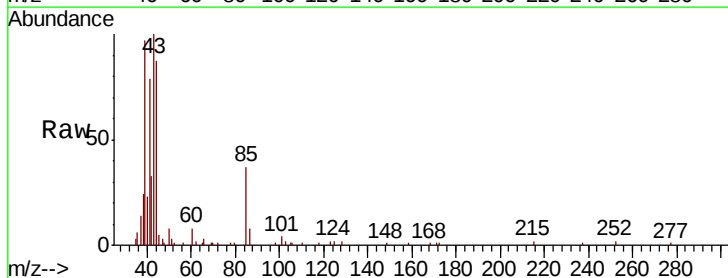
Acq: 13 Apr 2021 15:01

Tgt Ion: 85 Resp: 8672

Ion Ratio Lower Upper

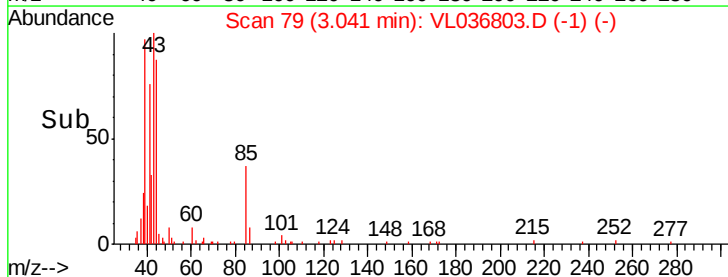
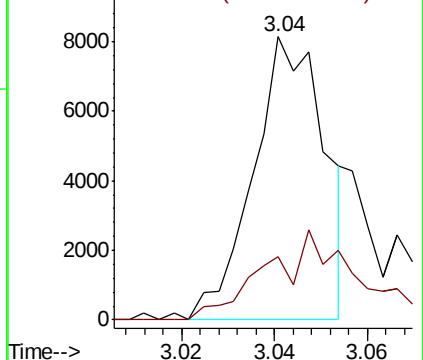
85 100

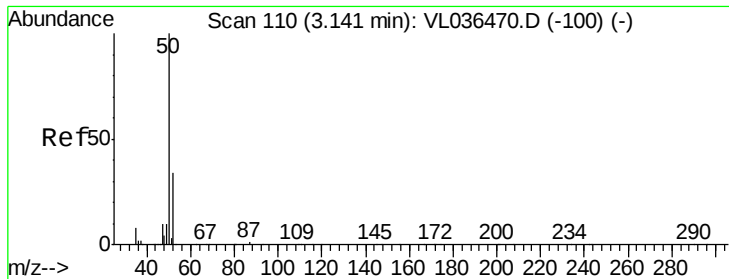
87 22.3 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 13 Apr 2021 15:01

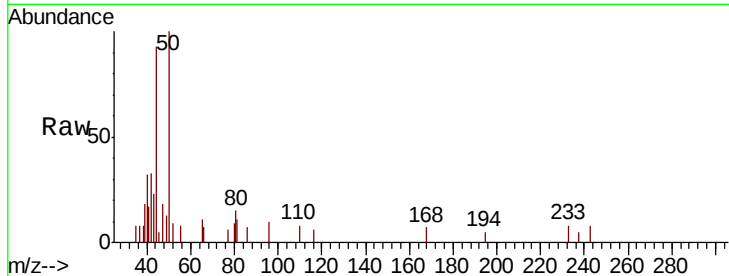
ClientSampleId:

Tot Ion: 50 Resp: 4791

Ion Ratio Lower Upper

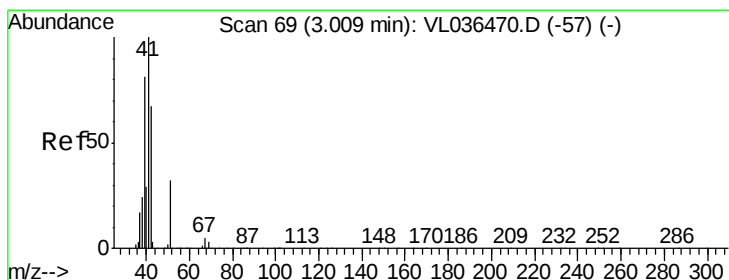
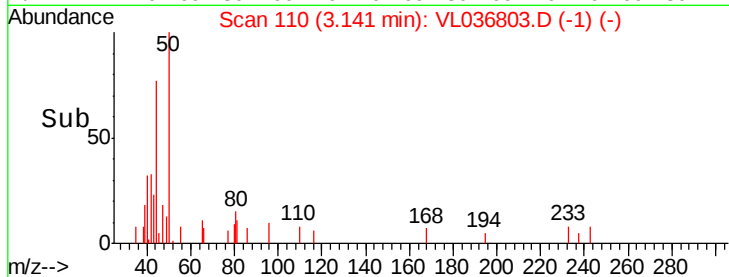
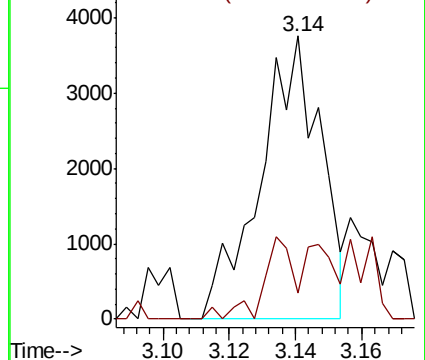
50 100

52 9.1 27.0 40.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 1.870 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036803.D

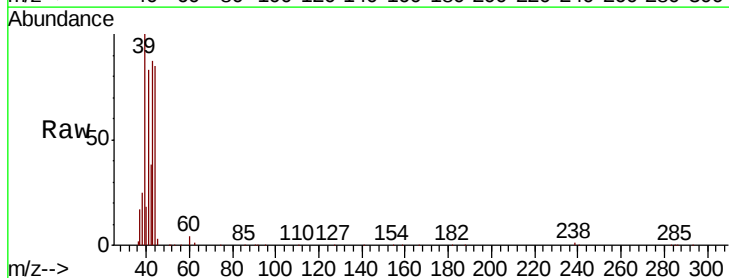
Acq: 13 Apr 2021 15:01

Tgt Ion: 41 Resp: 148536

Ion Ratio Lower Upper

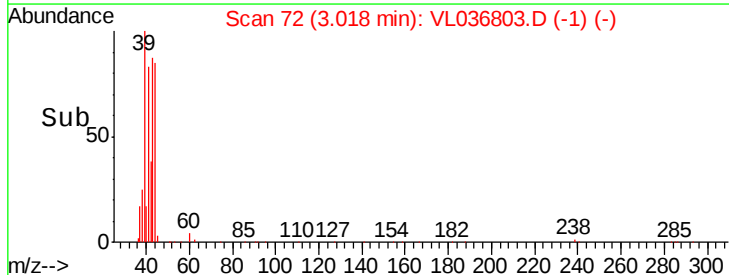
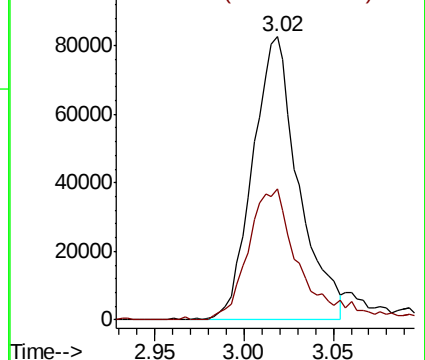
41 100

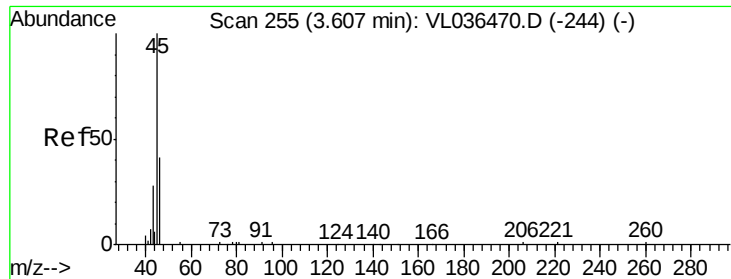
42 53.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

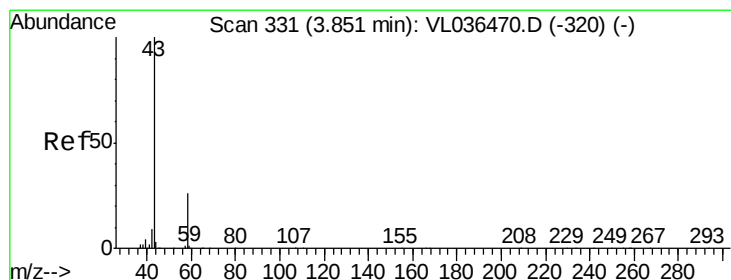
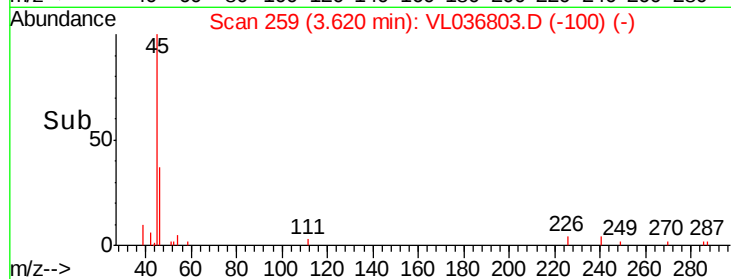
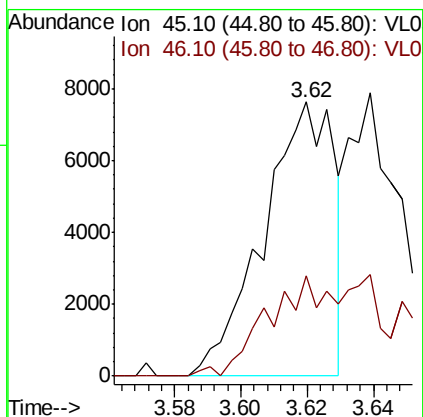
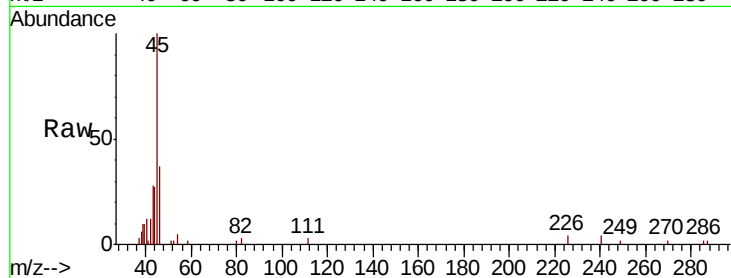
Ion 42.10 (41.80 to 42.80): VL0





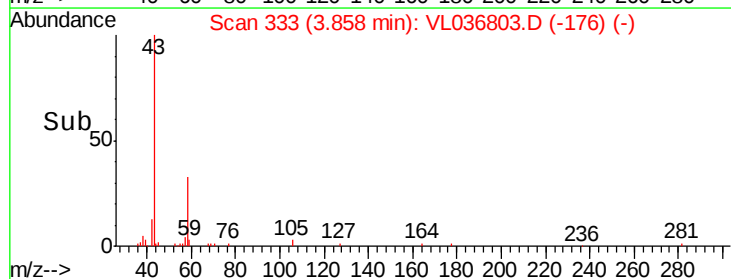
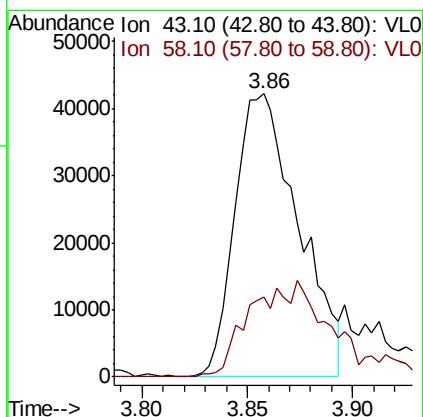
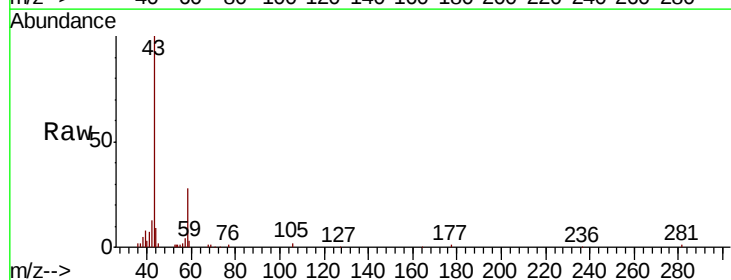
#13
Ethanol
Concen: 1.198 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 15:01

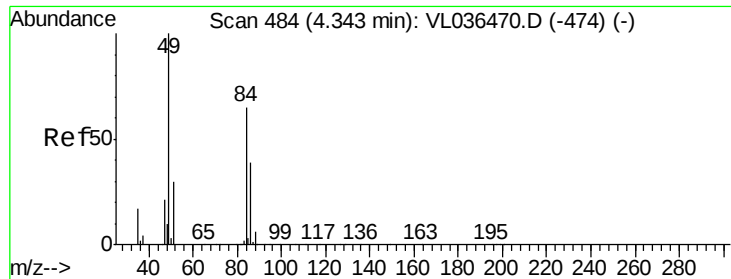
Tot Ion: 45 Resp: 11326
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 0.676 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036803.D
Acq: 13 Apr 2021 15:01

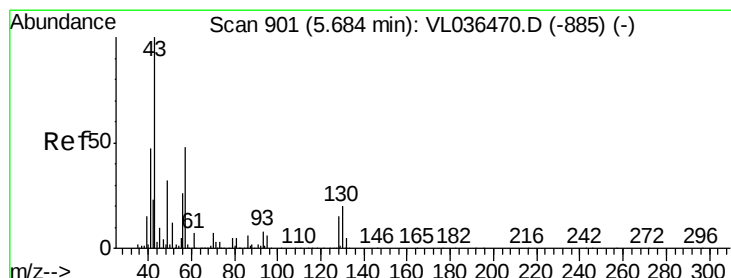
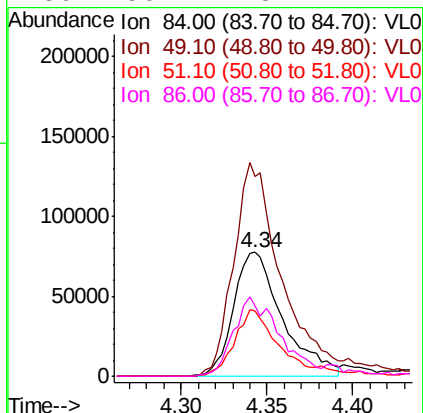
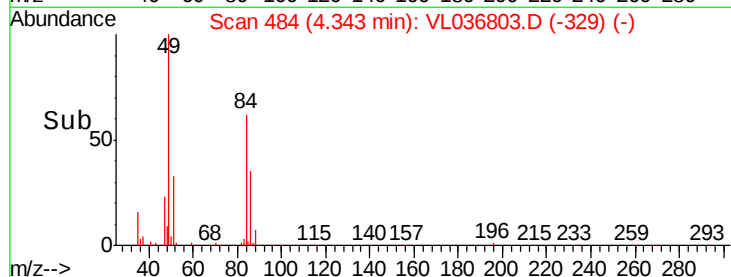
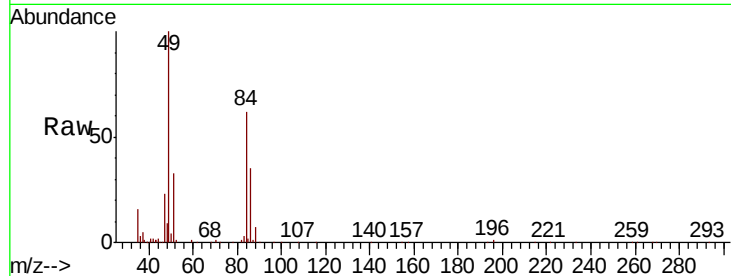
Tgt Ion: 43 Resp: 88714
Ion Ratio Lower Upper
43 100
58 46.4 21.2 31.8#





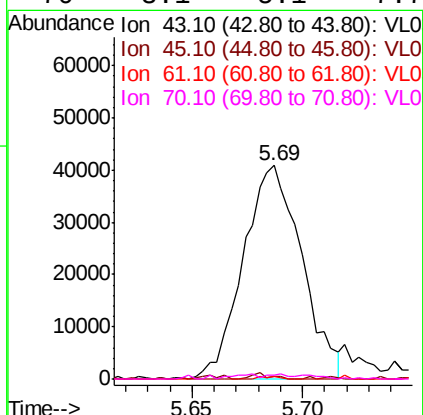
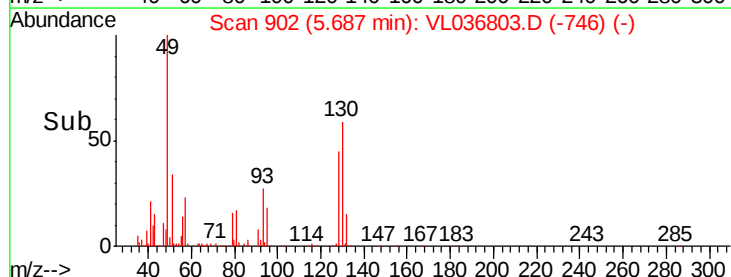
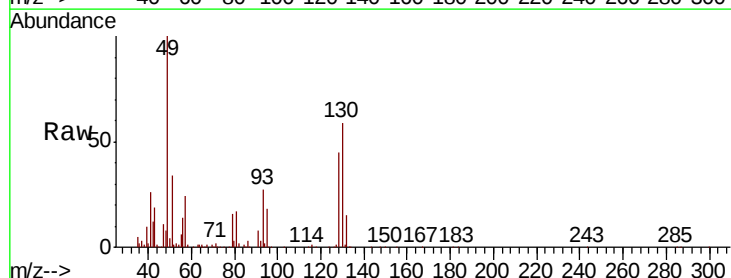
#20
Methylene Chloride
Concen: 2.498 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 15:01

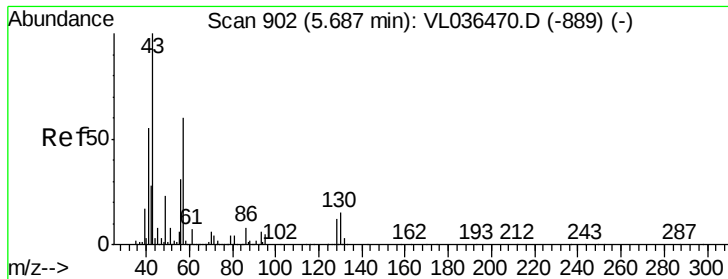
Tot Ion:	84	Resp:	153452
Ion	Ratio	Lower	Upper
84	100		
49	160.9	122.9	184.3
51	53.1	36.9	55.3
86	56.7	48.2	72.4



#25
Ethyl Acetate
Concen: 0.241 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL036803.D
Acq: 13 Apr 2021 15:01

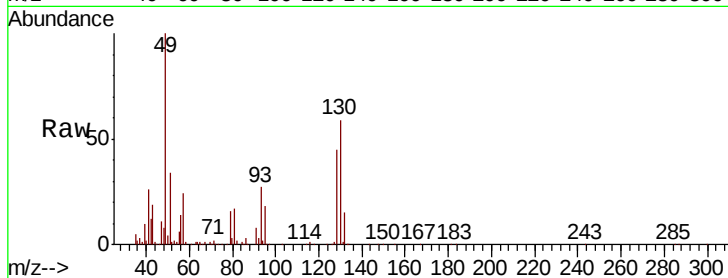
Tgt Ion:	43	Resp:	75264
Ion	Ratio	Lower	Upper
43	100		
45	1.7	7.9	11.9#
61	0.4	7.4	11.2#
70	3.1	5.1	7.7#





#26
Hexane
Concen: 0.687 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 15:01

Tot Ion	57	Resp	99389
Ion	Ratio	Lower	Upper
57	100		
41	112.3	77.2	115.8
43	85.6	173.8	260.6#
56	68.3	43.8	65.6#



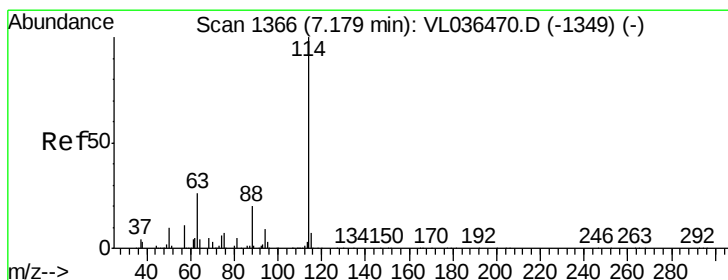
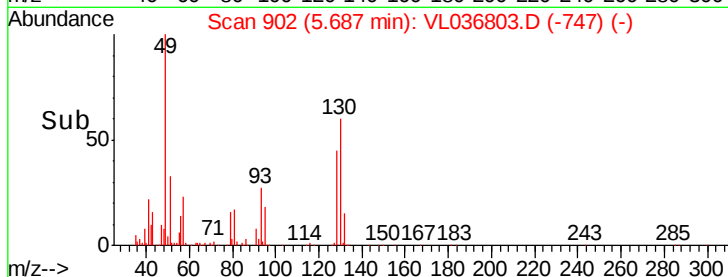
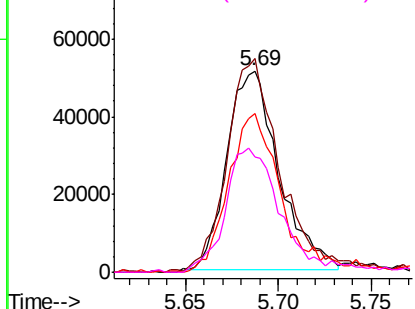
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

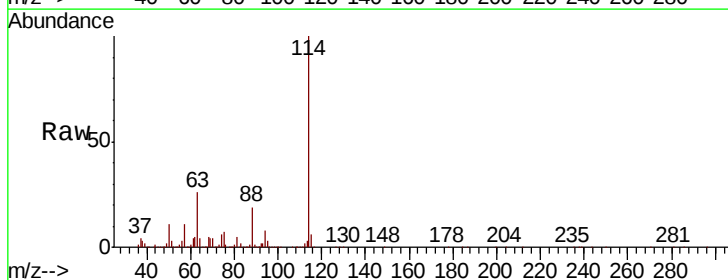
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036803.D
Acq: 13 Apr 2021 15:01

Tgt Ion	114	Resp	3372164
Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.5	15.4	23.0

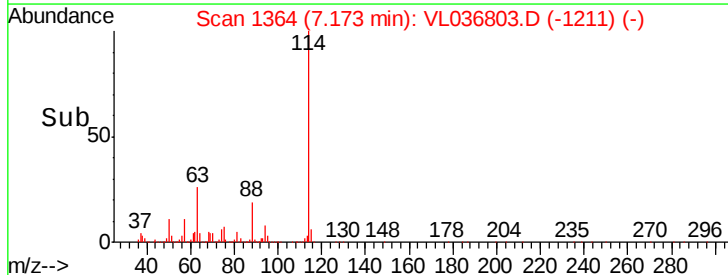
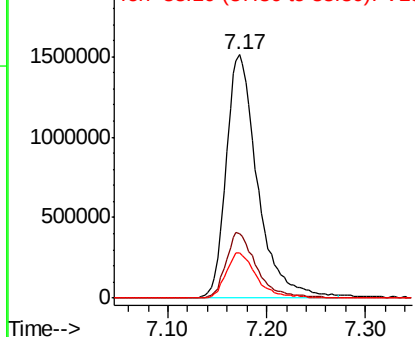


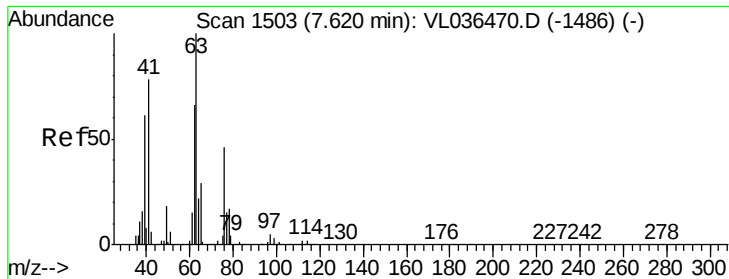
Abundance

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





#39

1,2-Dichloropropane

Concen: 6.812 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 15:01

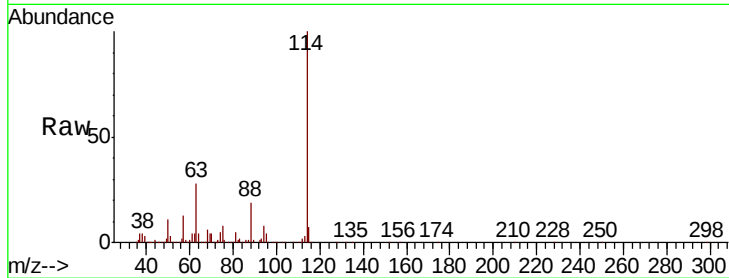
Tot Ion: 63 Resp: 859367

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

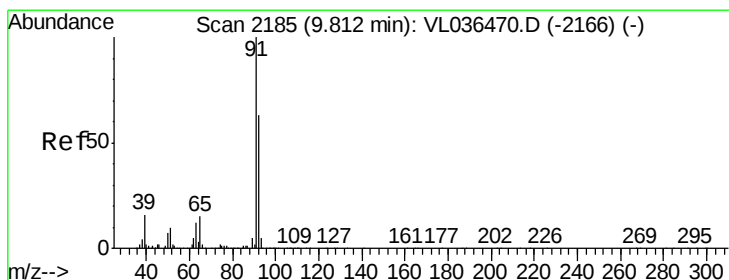
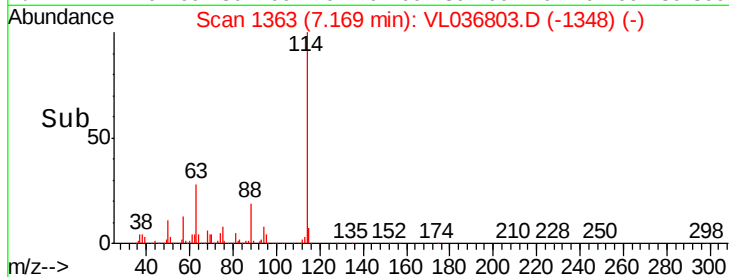
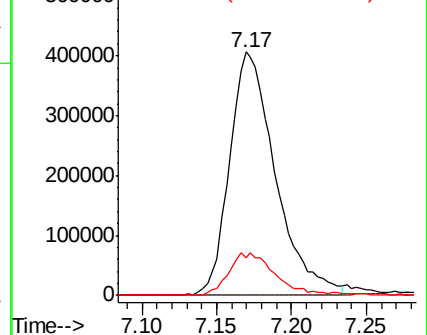
62 15.5 52.8 79.2#



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



#53

Toluene

Concen: 0.032 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL036803.D

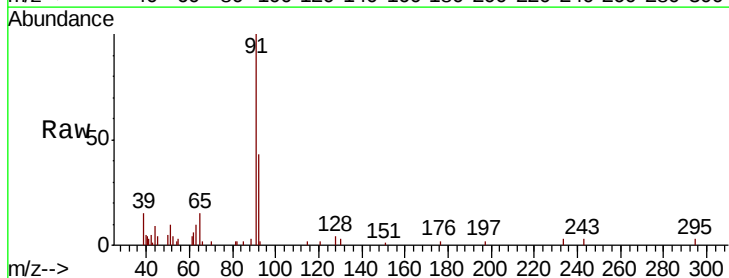
Acq: 13 Apr 2021 15:01

Tgt Ion: 91 Resp: 10581

Ion Ratio Lower Upper

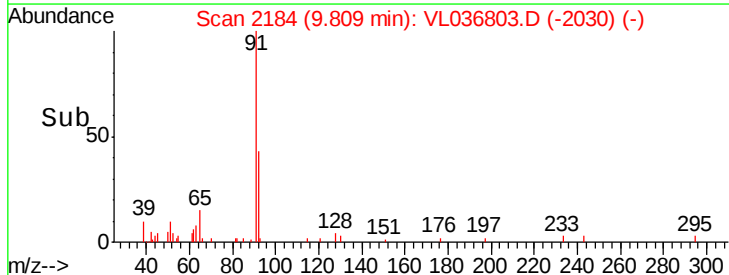
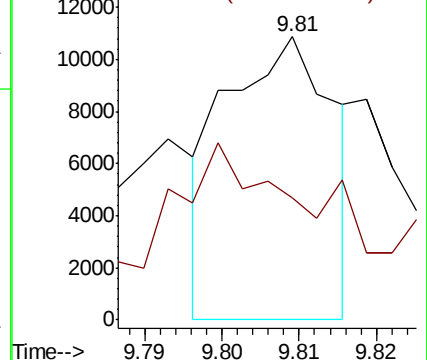
91 100

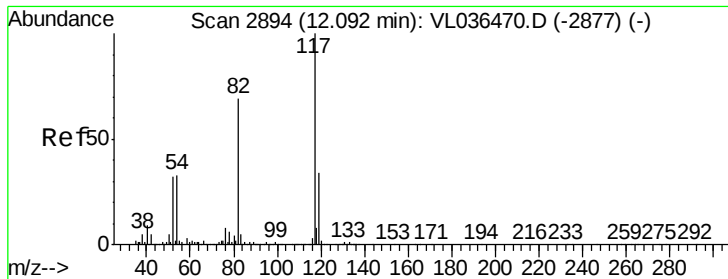
92 0.0 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

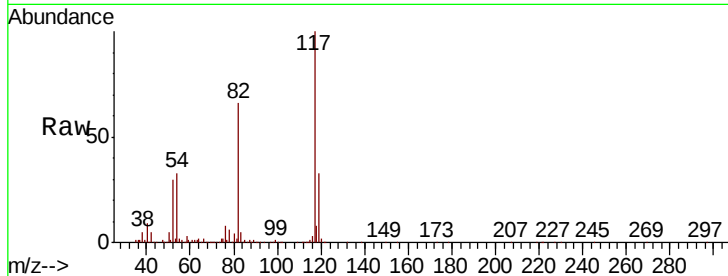
Ion 92.10 (91.80 to 92.80): VL0



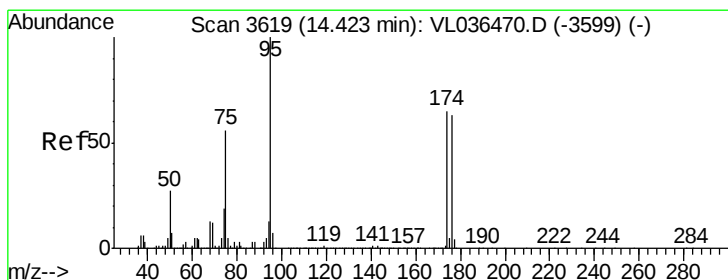
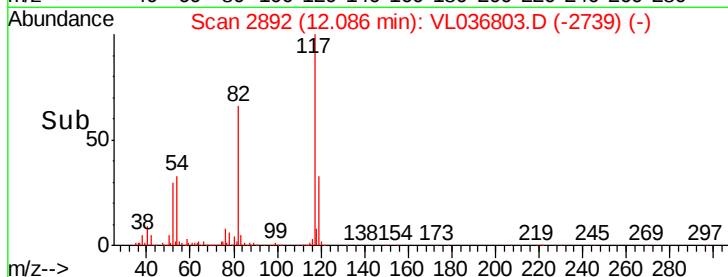
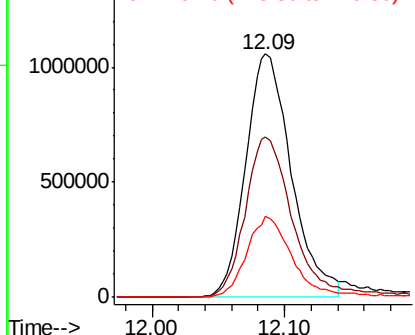


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 15:01

Tot Ion: 117 Resp: 2538118
 Ion Ratio Lower Upper
 117 100
 82 70.3 57.4 86.0
 119 35.0 47.4 71.0#

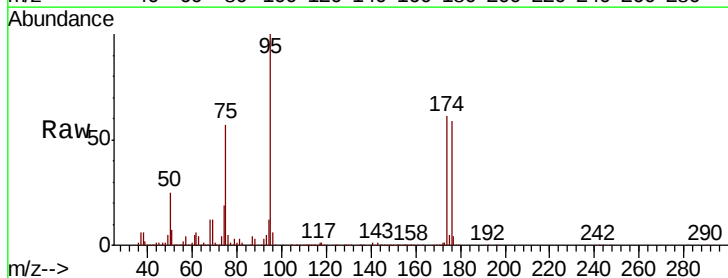


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.238 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL036803.D
 Acq: 13 Apr 2021 15:01

Tgt Ion: 95 Resp: 1666491
 Ion Ratio Lower Upper
 95 100
 174 68.4 51.0 76.6
 175 5.0 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): V
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

