

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\
 Data File : VL036827.D
 Acq On : 20 Apr 2021 18:35
 Operator : SY/AP
 Sample : M2096-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 21 06:38:02 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	5.68	49	1236438	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3001995	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2478220	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1750345	8.86	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.60%

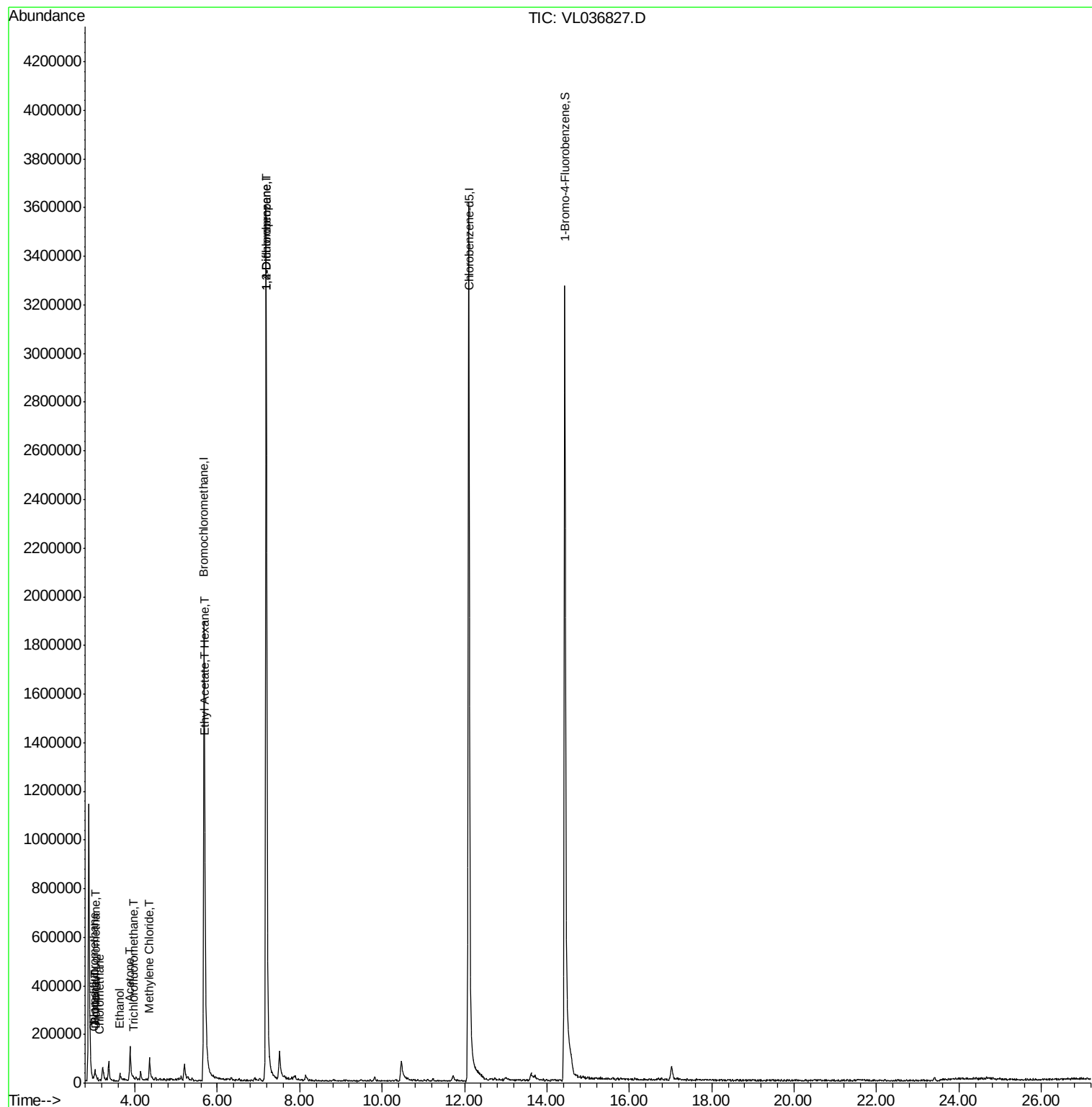
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9557	0.047	ppbv	96
3) Chlorodifluoromethane	3.00	51	11804	0.051	ppbv	95
4) Chloromethane	3.15	50	4078	0.050	ppbv #	58
9) Propene	3.02	41	14497	0.197	ppbv	98
11) Trichlorofluoromethane	3.96	101	7644	0.037	ppbv #	57
13) Ethanol	3.64	45	18006	2.053	ppbv #	49
15) Acetone	3.88	43	106645	0.876	ppbv #	70
20) Methylene Chloride	4.36	84	21571	0.379	ppbv	89
25) Ethyl Acetate	5.70	43	9612	0.033	ppbv #	76
26) Hexane	5.70	57	4897	0.036	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	779437	6.940	ppbv #	23

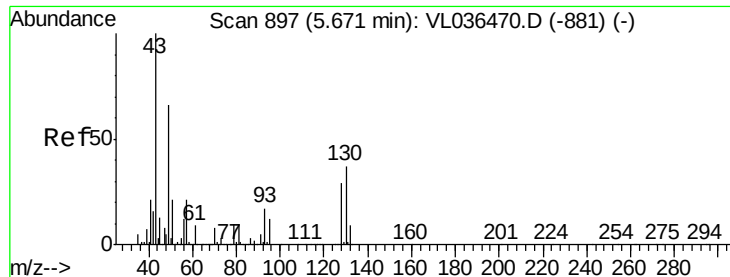
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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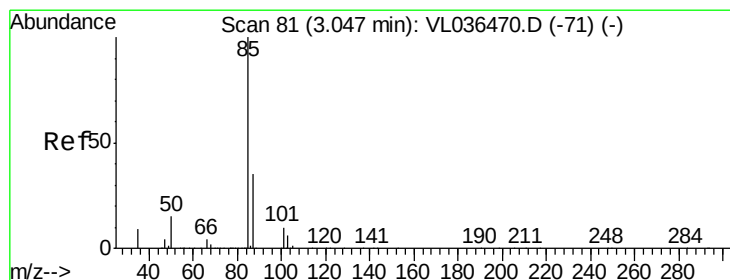
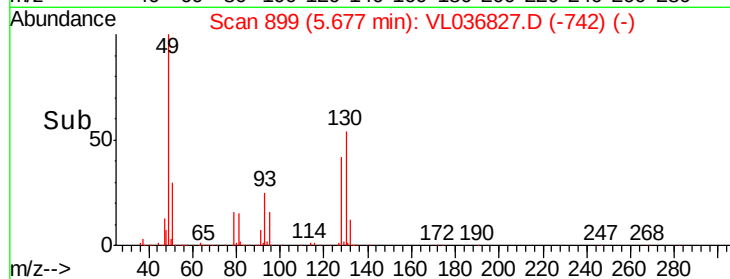
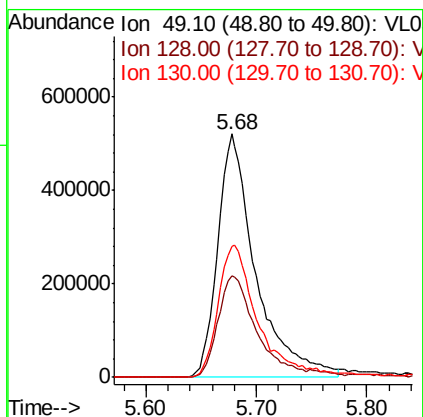
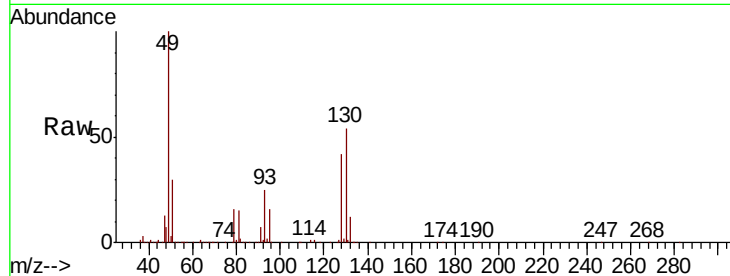
Quant Time: Apr 21 06:38:02 2021
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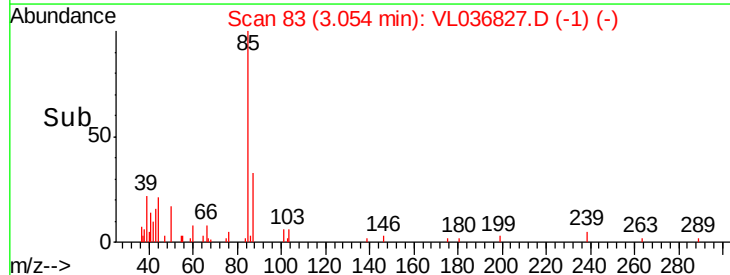
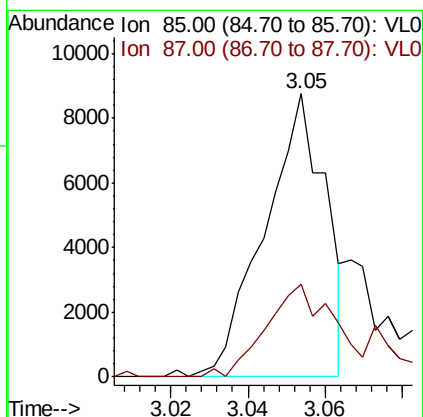
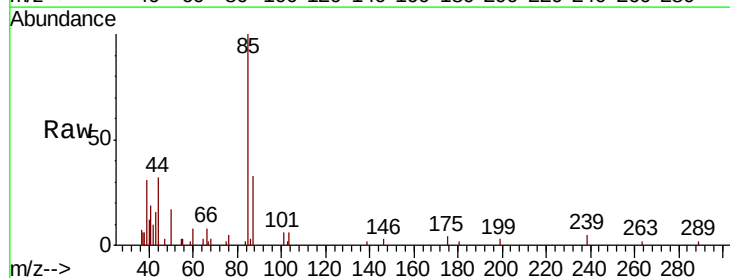
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 20 Apr 2021 18:35

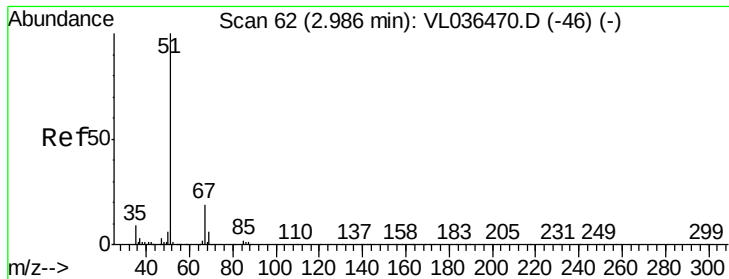
Tot Ion: 49 Resp: 1236438
 Ion Ratio Lower Upper
 49 100
 128 44.4 23.5 70.6
 130 59.6 29.1 87.4



#2
 Dichlorodifluoromethane
 Concen: 0.047 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: VL036827.D
 Acq: 20 Apr 2021 18:35

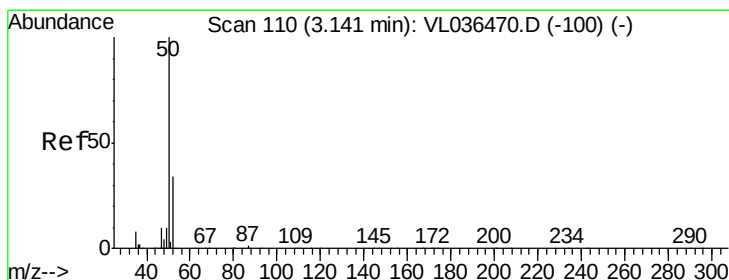
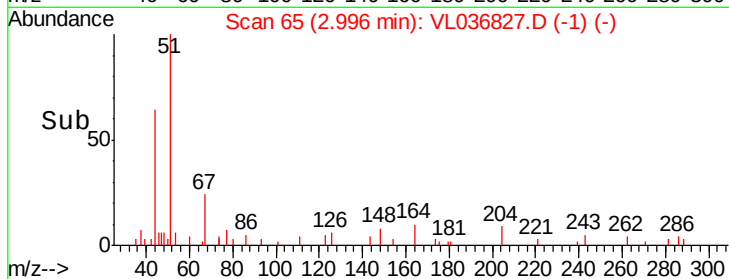
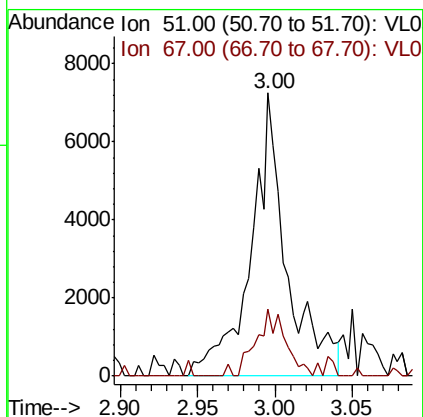
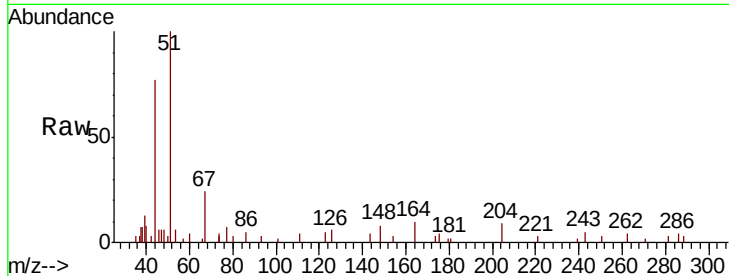
Tgt Ion: 85 Resp: 9557
 Ion Ratio Lower Upper
 85 100
 87 32.8 27.8 41.8





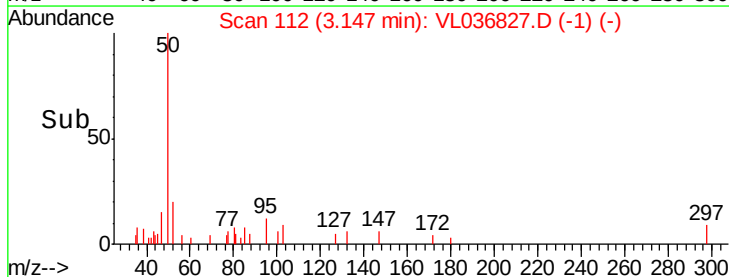
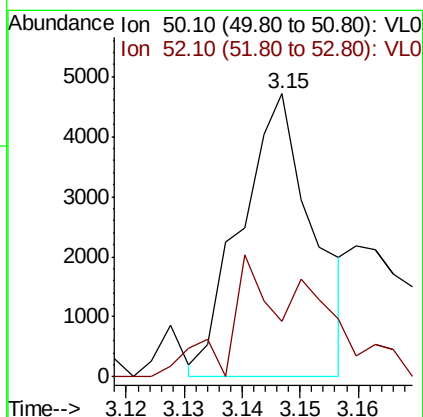
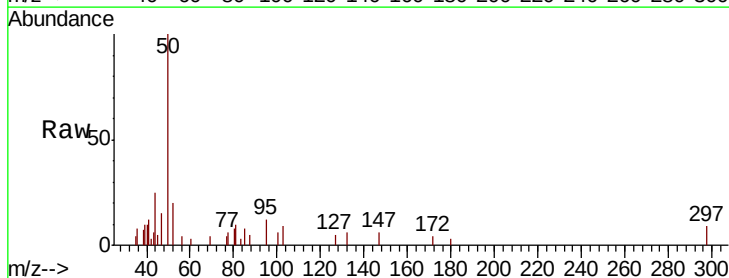
#3
Chlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Apr 2021 18:35

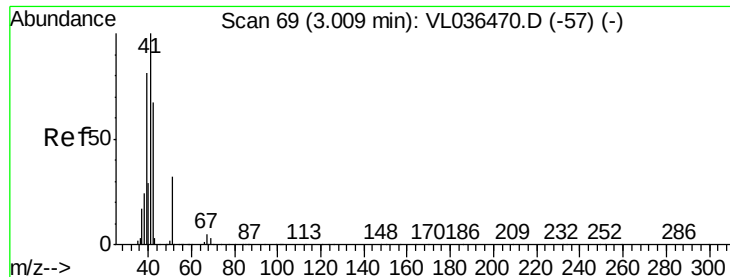
Tot Ion: 51 Resp: 11804
Ion Ratio Lower Upper
51 100
67 20.8 14.7 22.1



#4
Chloromethane
Concen: 0.050 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036827.D
Acq: 20 Apr 2021 18:35

Tgt Ion: 50 Resp: 4078
Ion Ratio Lower Upper
50 100
52 9.6 27.0 40.6#





#9

Propene

Concen: 0.197 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

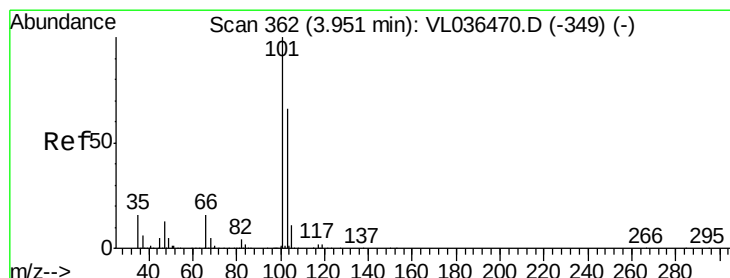
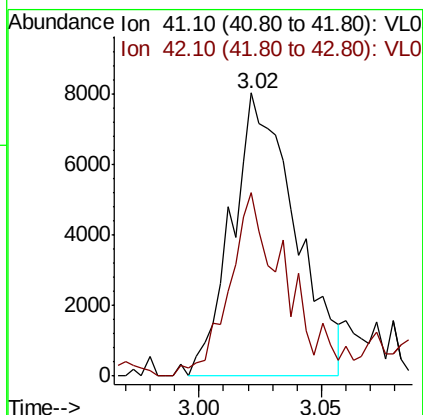
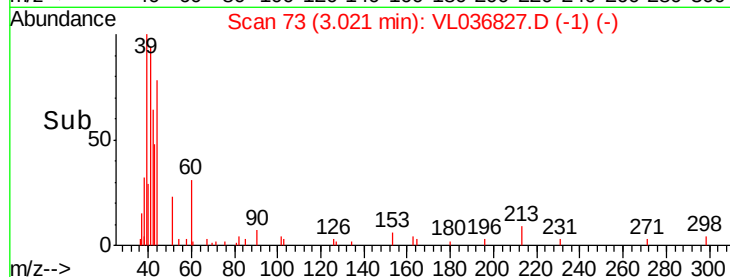
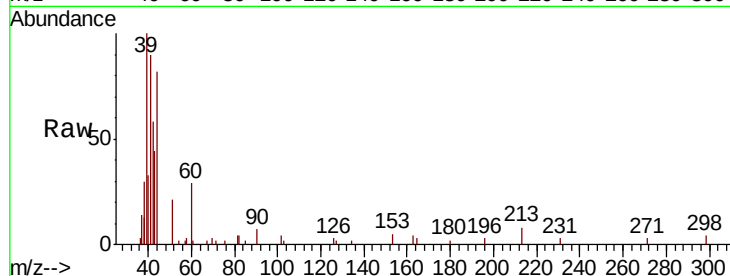
Acq: 20 Apr 2021 18:35

Tot Ion: 41 Resp: 14497

Ion Ratio Lower Upper

41 100

42 72.8 57.0 85.4



#11

Trichlorofluoromethane

Concen: 0.037 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036827.D

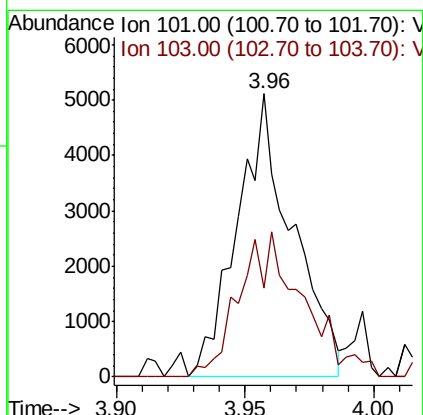
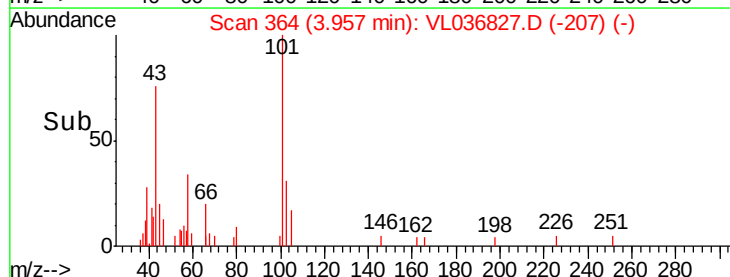
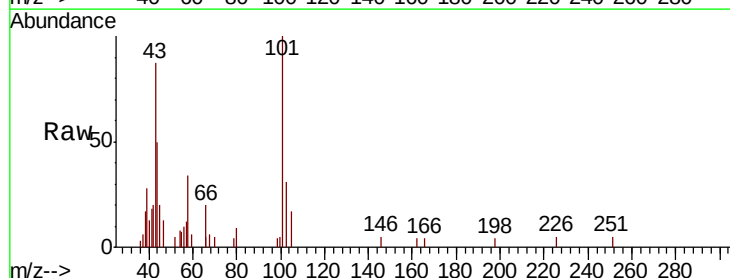
Acq: 20 Apr 2021 18:35

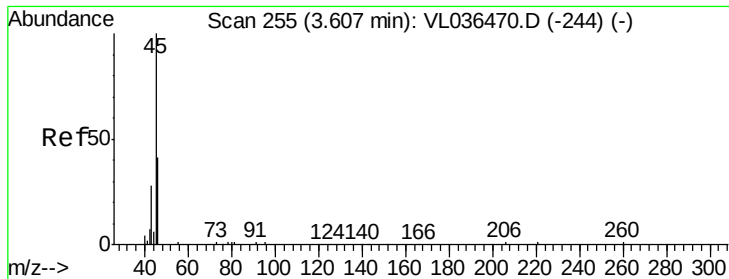
Tgt Ion: 101 Resp: 7644

Ion Ratio Lower Upper

101 100

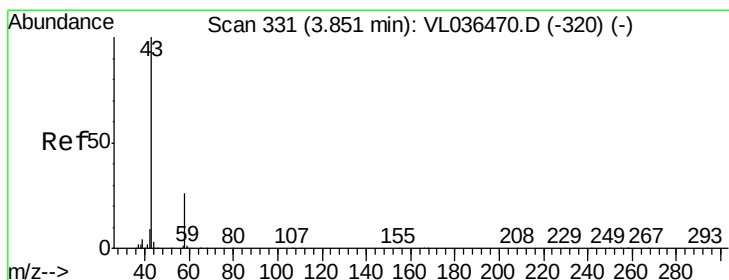
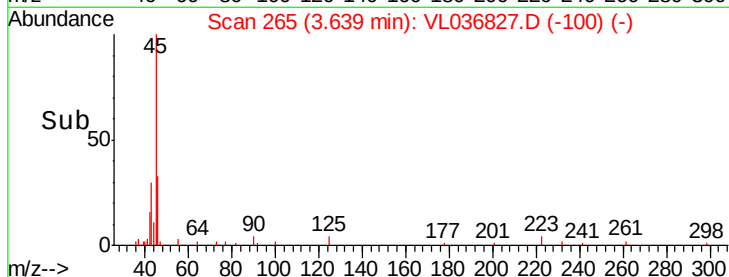
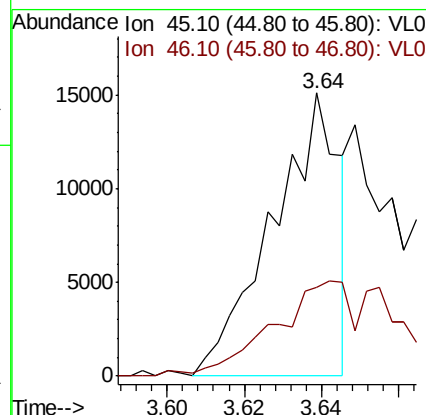
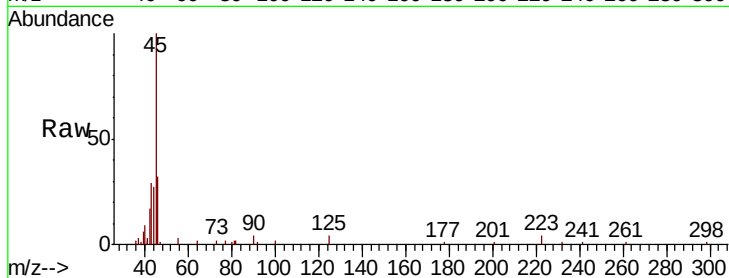
103 31.4 52.5 78.7#





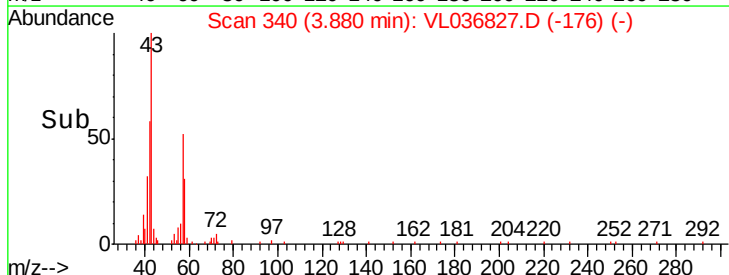
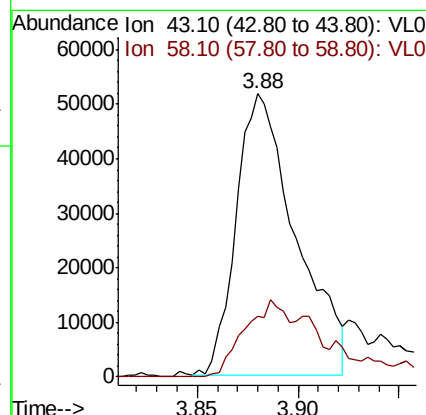
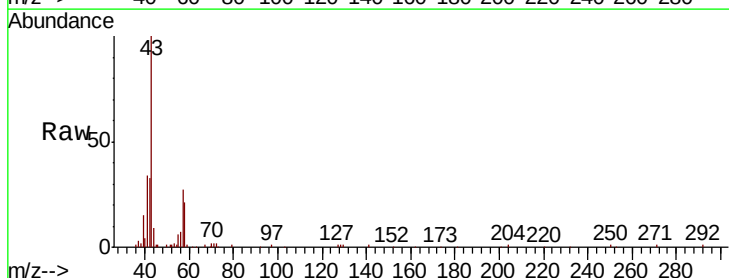
#13
 Ethanol
 Concen: 2.053 ppbv
 RT: 3.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Apr 2021 18:35

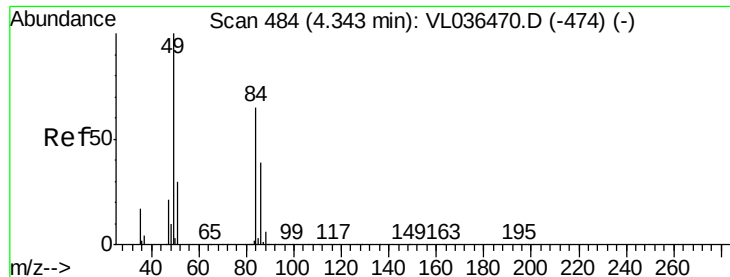
Tot Ion: 45 Resp: 18006
 Ion Ratio Lower Upper
 45 100
 46 73.6 16.6 66.2#



#15
 Acetone
 Concen: 0.876 ppbv
 RT: 3.88 min Scan# 340
 Delta R.T. 0.03 min
 Lab File: VL036827.D
 Acq: 20 Apr 2021 18:35

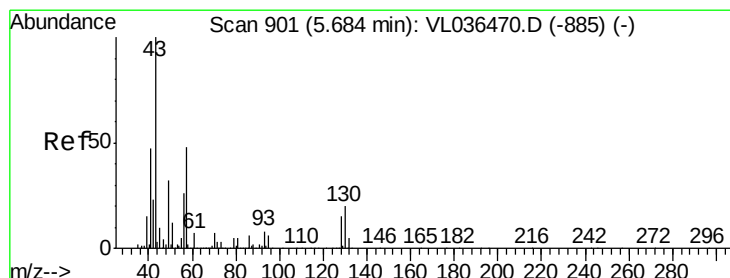
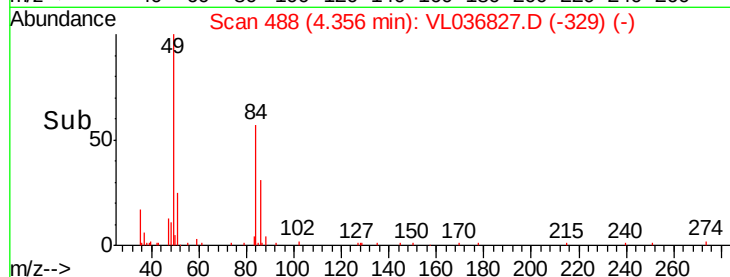
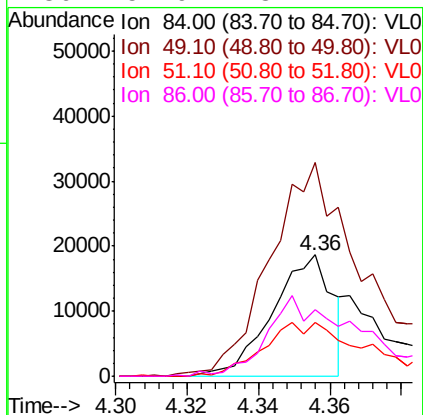
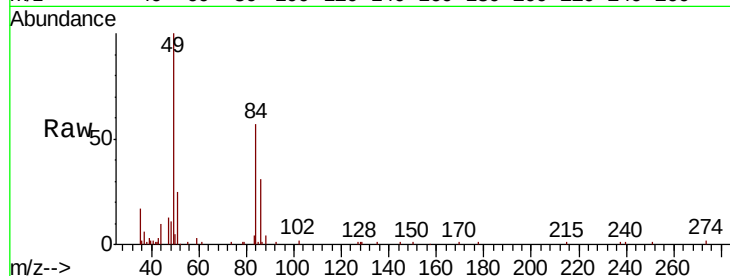
Tgt Ion: 43 Resp: 106645
 Ion Ratio Lower Upper
 43 100
 58 41.9 21.2 31.8#





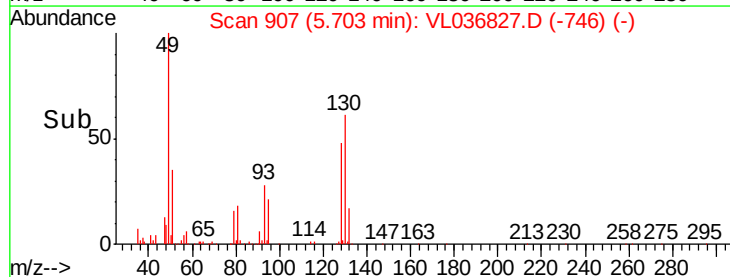
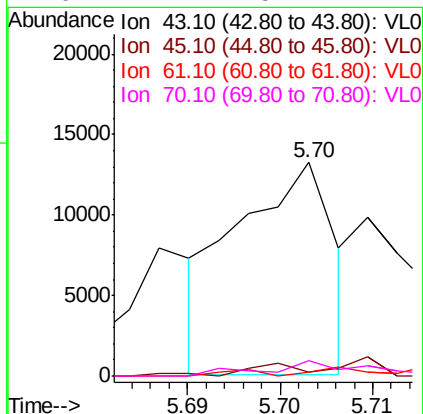
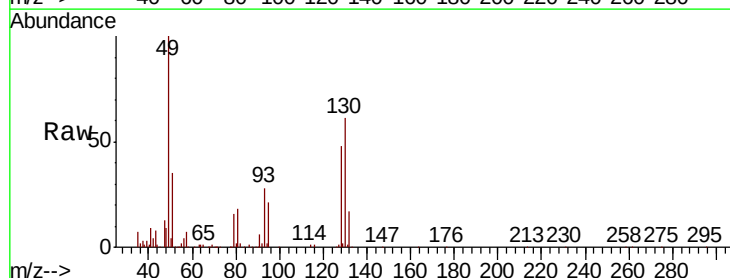
#20
Methylene Chloride
Concen: 0.379 ppbv
RT: 4.36 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Apr 2021 18:35

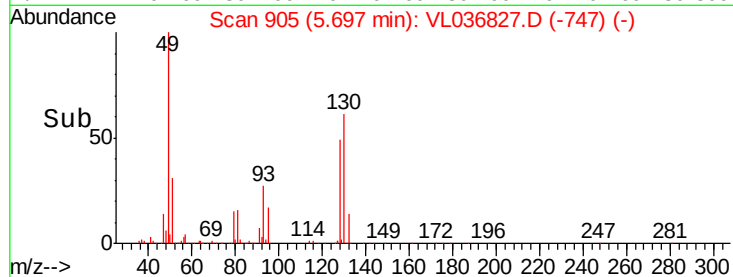
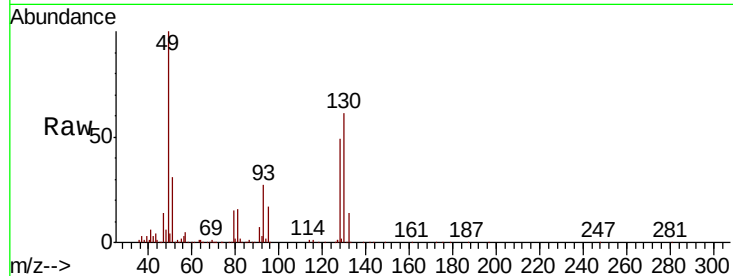
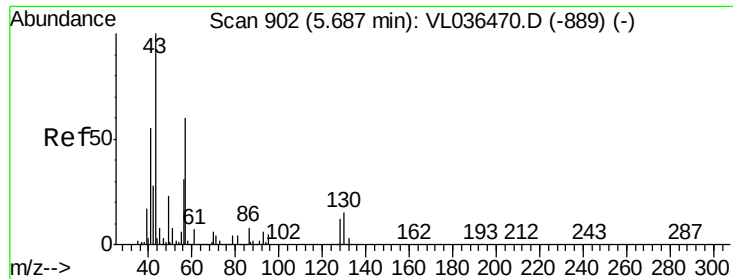
Tot Ion:	84	Resp:	21571
Ion	Ratio	Lower	Upper
84	100		
49	172.9	122.9	184.3
51	44.4	36.9	55.3
86	54.9	48.2	72.4



#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.02 min
Lab File: VL036827.D
Acq: 20 Apr 2021 18:35

Tgt Ion:	43	Resp:	9612
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.4	11.2#
70	12.2	5.1	7.7#





#26

Hexane

Concen: 0.036 ppbv

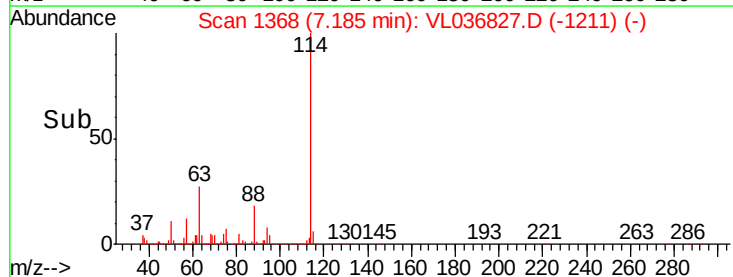
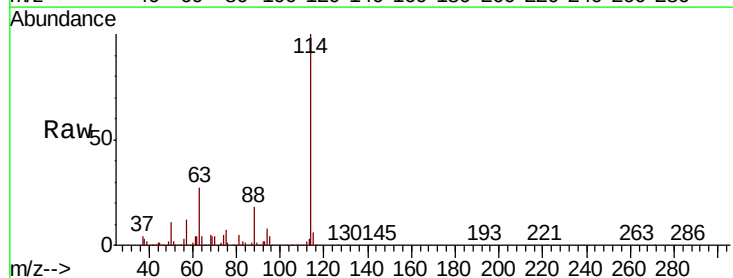
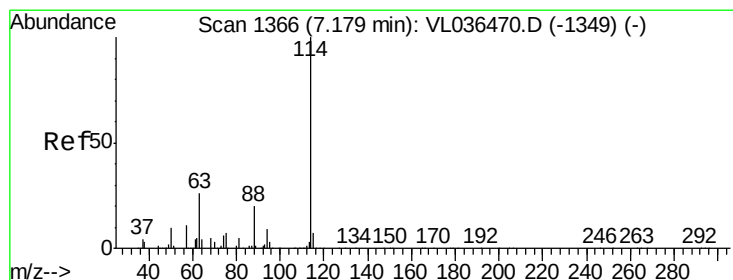
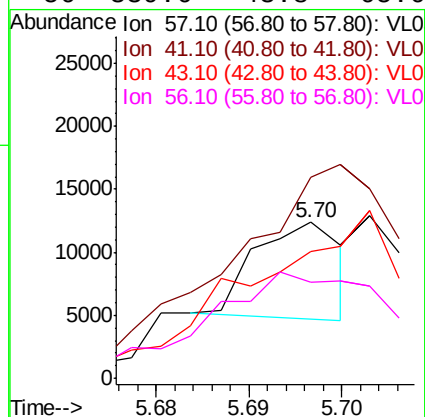
RT: 5.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 18:35

Tot Ion:	57	Resp:	4897
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	0.0	173.8	260.6#
56	339.6	43.8	65.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

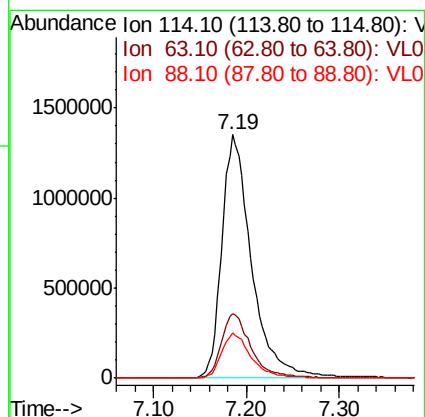
RT: 7.19 min Scan# 1368

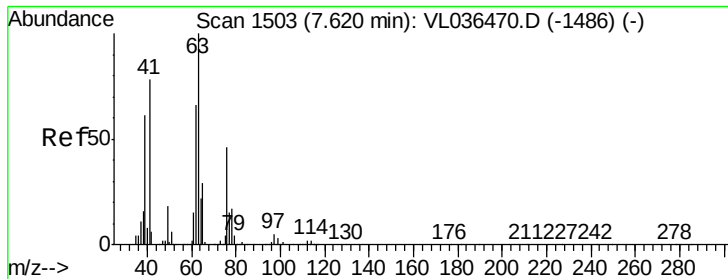
Delta R.T. 0.01 min

Lab File: VL036827.D

Acq: 20 Apr 2021 18:35

Tgt Ion:	114	Resp:	3001995
Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.4	33.6
88	18.6	15.4	23.0





#39

1,2-Dichloropropane

Concen: 6.940 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 18:35

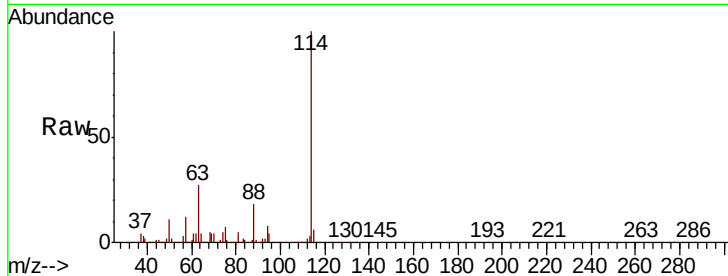
Tot Ion: 63 Resp: 779437

Ion Ratio Lower Upper

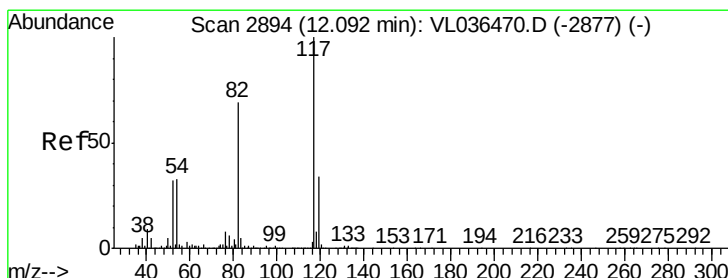
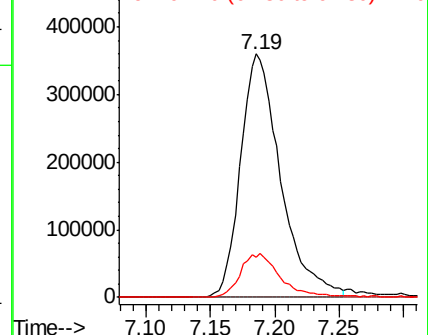
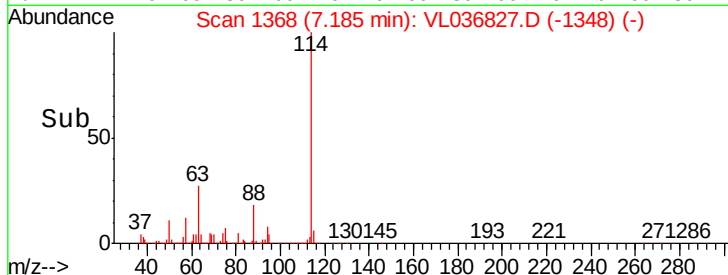
63 100

41 0.0 62.4 93.6#

62 16.6 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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL036827.D

Acq: 20 Apr 2021 18:35

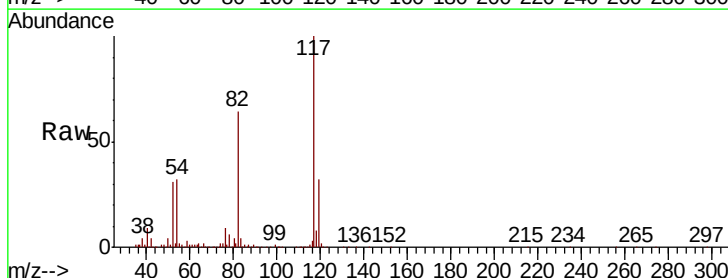
Tgt Ion: 117 Resp: 2478220

Ion Ratio Lower Upper

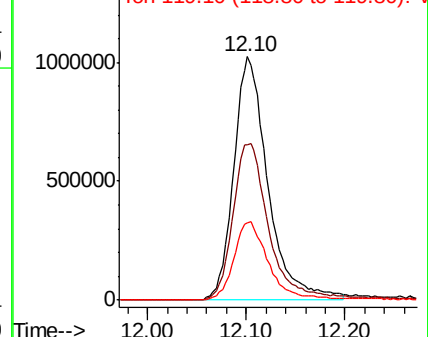
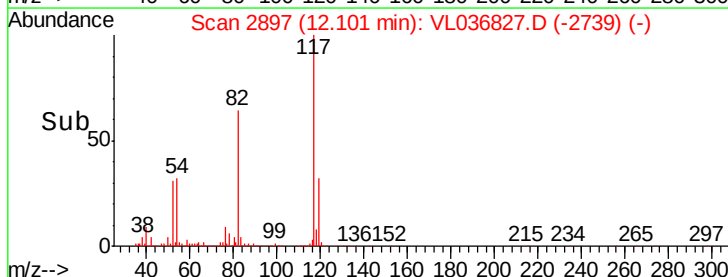
117 100

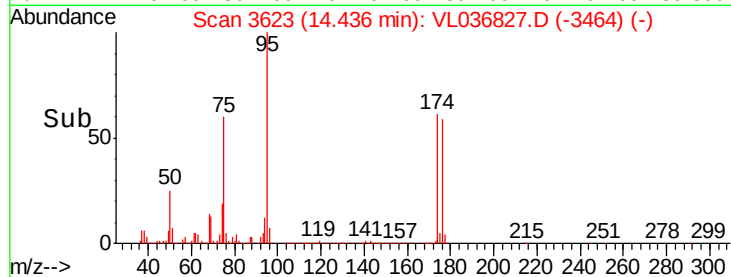
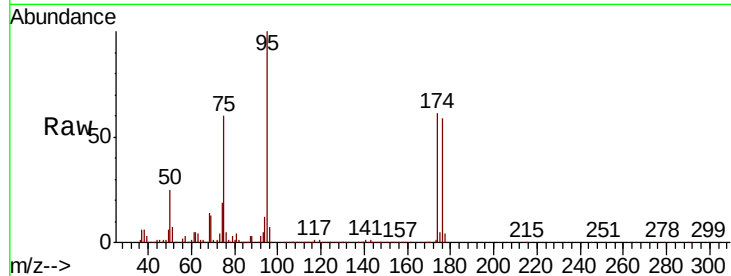
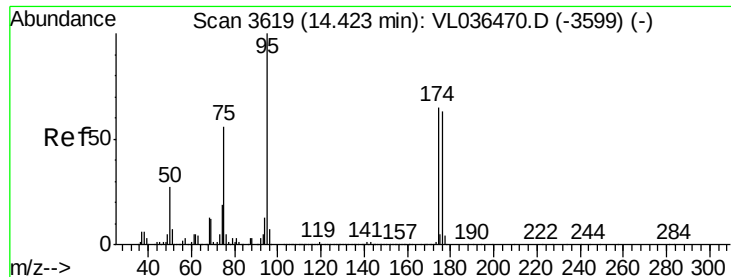
82 70.1 57.4 86.0

119 33.2 47.4 71.0#



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: 8.862 ppbv

RT: 14.44 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 18:35

Tot Ion: 95 Resp: 1750345

Ion Ratio Lower Upper

95 100

174 69.5 51.0 76.6

175 5.0 3.9 5.9

