

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036854.D
 Acq On : 27 Apr 2021 12:35
 Operator : SY/AP
 Sample : M2174-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:23:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1477142	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3578519	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3116475	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2354269	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

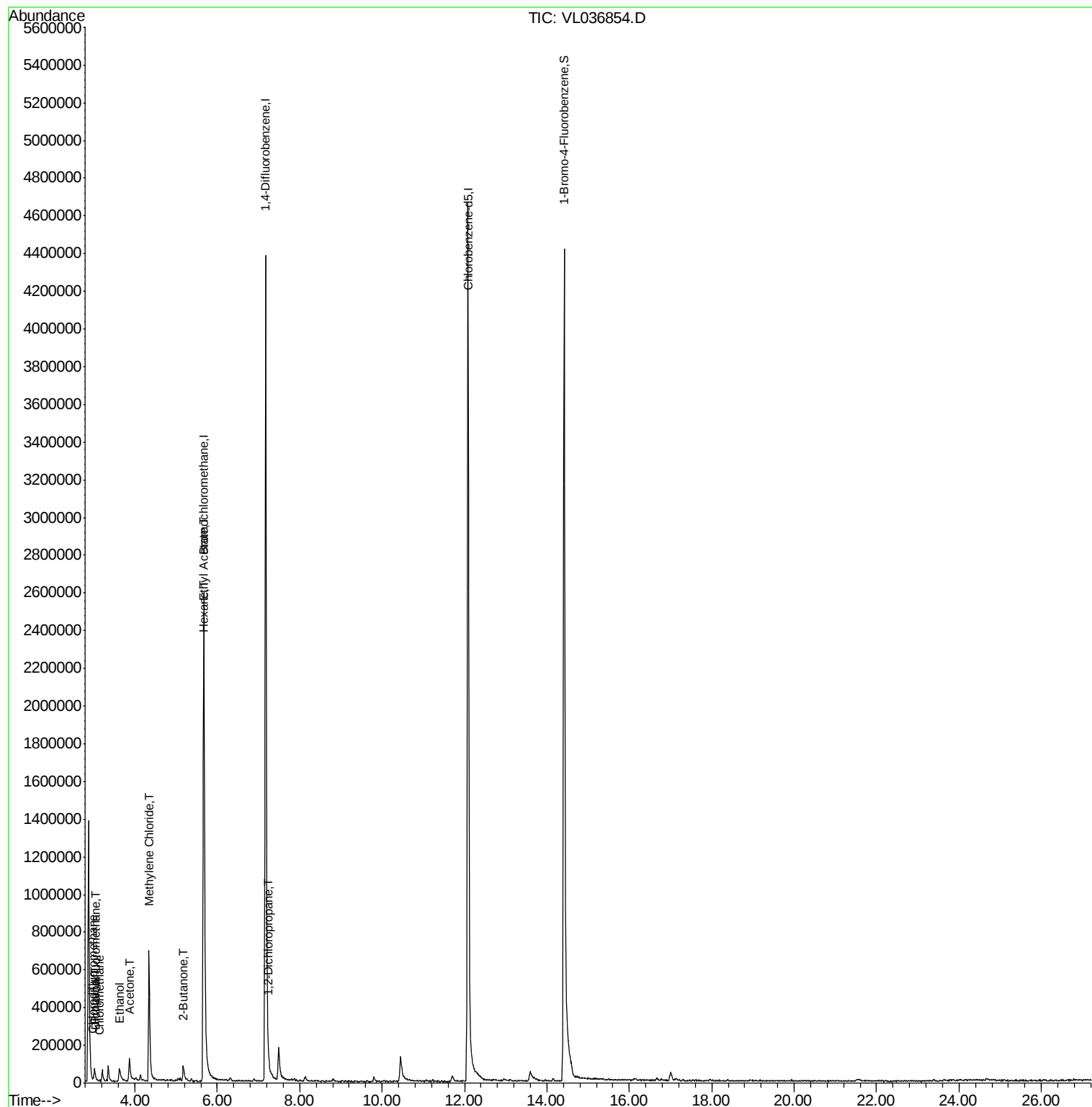
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	12836	0.055	ppbv #	72
3) Chlorodifluoromethane	2.99	51	16952	0.063	ppbv	99
4) Chloromethane	3.15	50	2901	0.033	ppbv #	50
9) Propene	3.03	41	8628	0.105	ppbv #	11
13) Ethanol	3.62	45	37295	3.567	ppbv #	34
15) Acetone	3.86	43	126561	0.909	ppbv #	82
20) Methylene Chloride	4.35	84	258078	3.876	ppbv	98
25) Ethyl Acetate	5.68	43	152758	0.449	ppbv #	80
26) Hexane	5.69	57	197980	1.244	ppbv #	44
34) 2-Butanone	5.17	43	13007	0.083	ppbv #	1
39) 1,2-Dichloropropane	7.24	63	11095	0.092	ppbv #	19

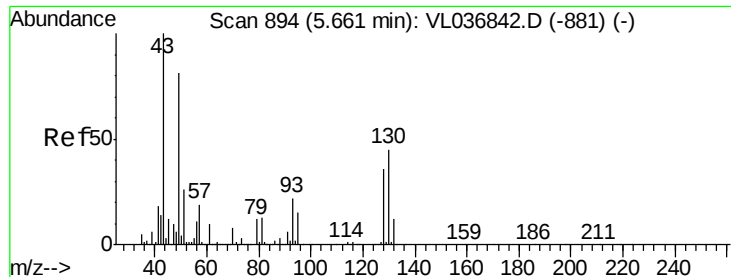
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
Data File : VL036854.D
Acq On : 27 Apr 2021 12:35
Operator : SY/AP
Sample : M2174-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 28 05:23:34 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 12:35

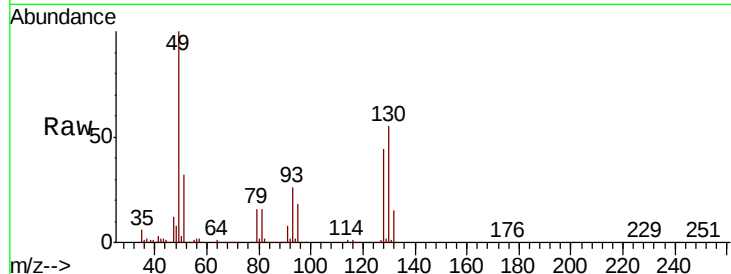
Tot Ion: 49 Resp: 1477142

Ion Ratio Lower Upper

49 100

128 47.4 24.4 73.2

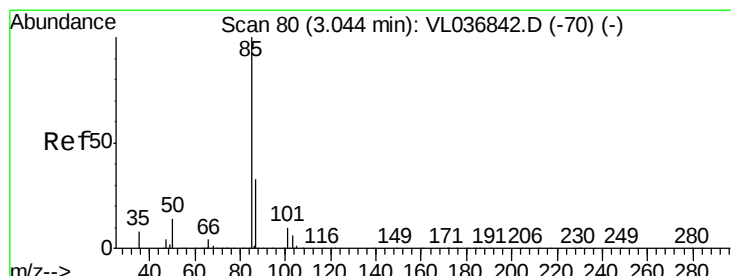
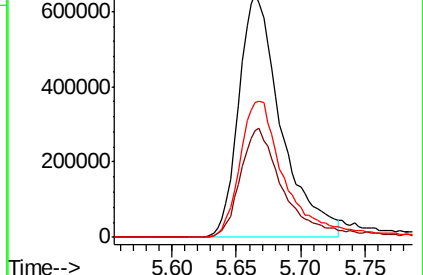
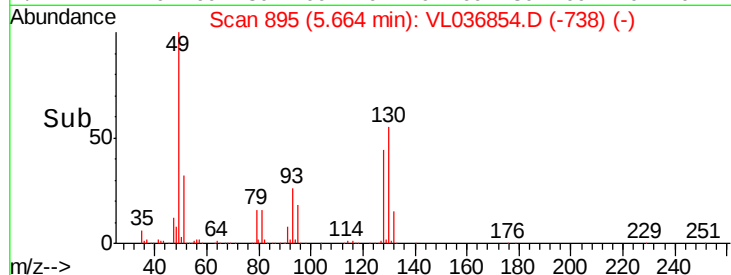
130 61.0 30.3 90.8



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: 0.055 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL036854.D

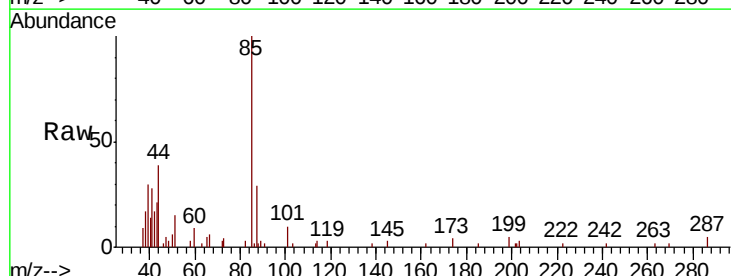
Acq: 27 Apr 2021 12:35

Tgt Ion: 85 Resp: 12836

Ion Ratio Lower Upper

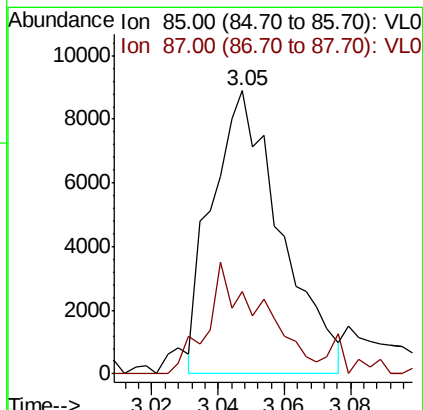
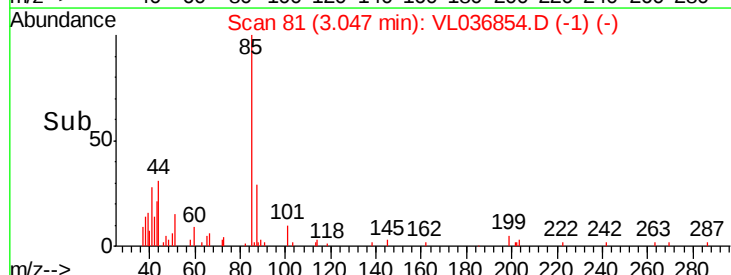
85 100

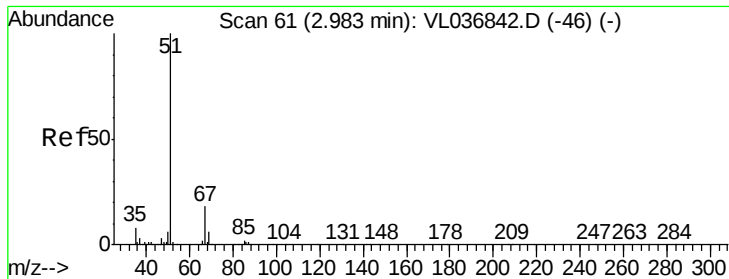
87 16.8 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.063 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

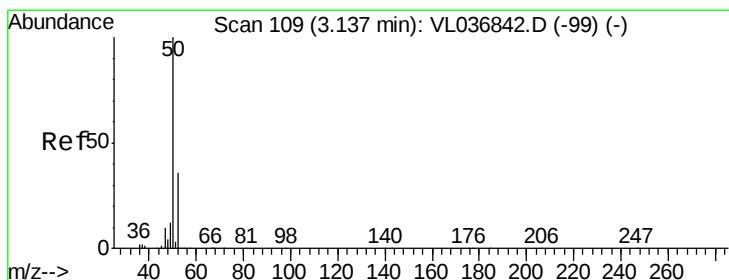
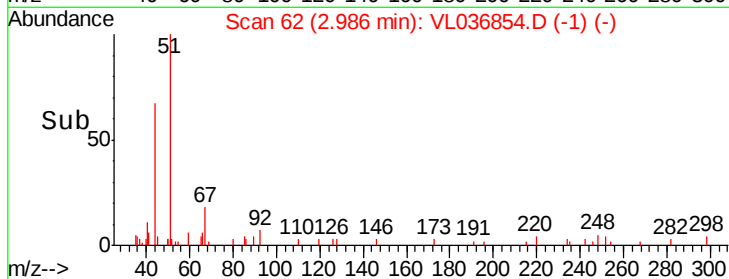
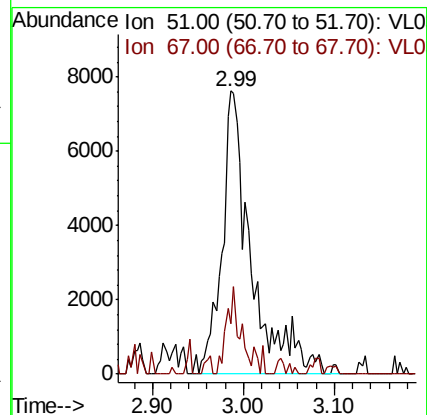
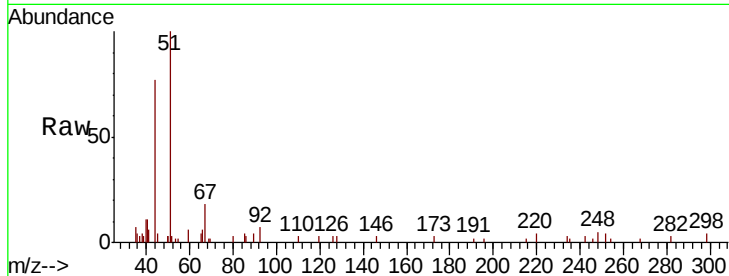
Acq: 27 Apr 2021 12:35

Tot Ion: 51 Resp: 16952

Ion Ratio Lower Upper

51 100

67 19.0 14.8 22.2



#4

Chloromethane

Concen: 0.033 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036854.D

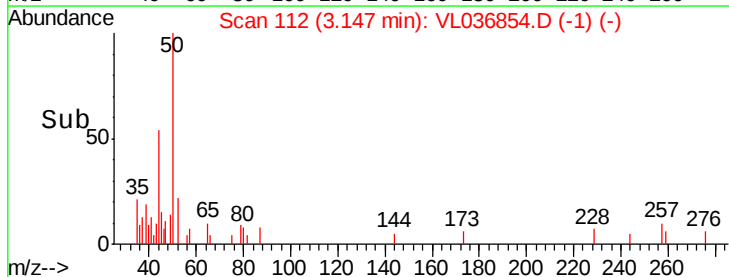
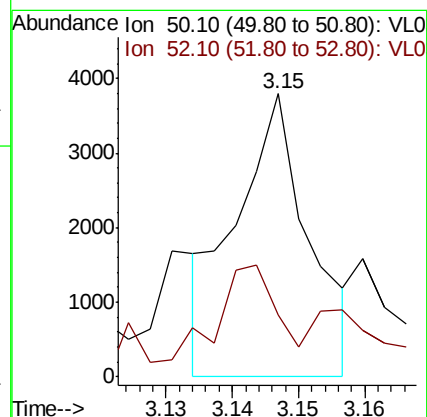
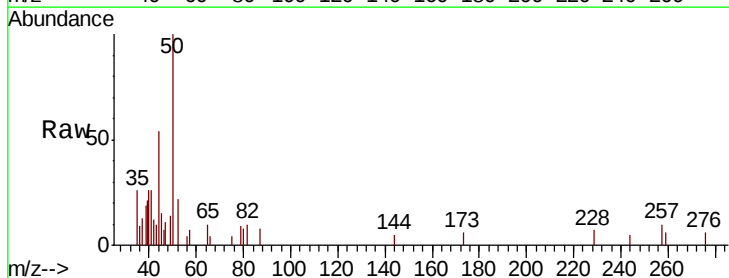
Acq: 27 Apr 2021 12:35

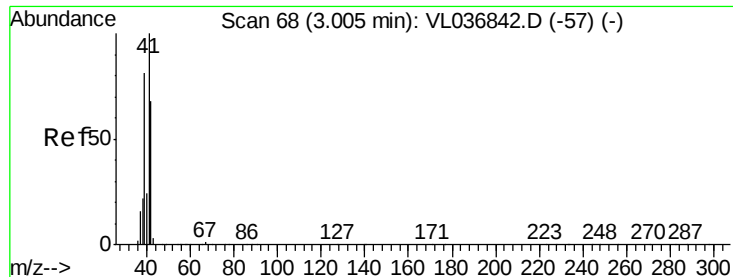
Tgt Ion: 50 Resp: 2901

Ion Ratio Lower Upper

50 100

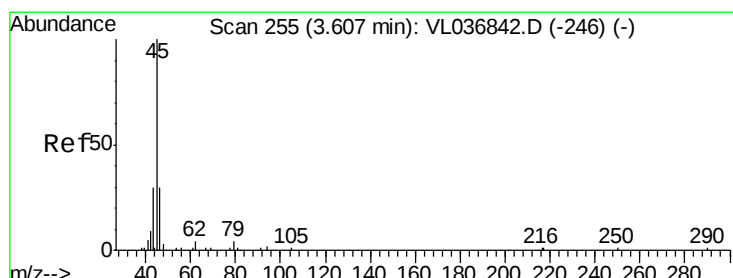
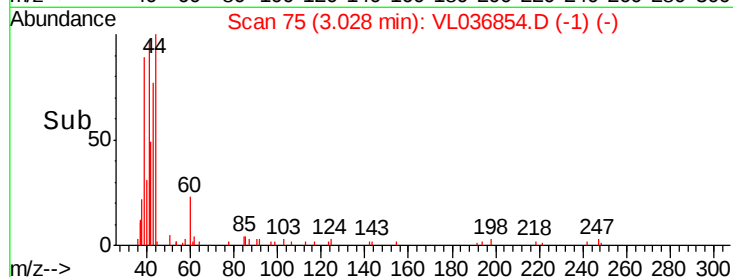
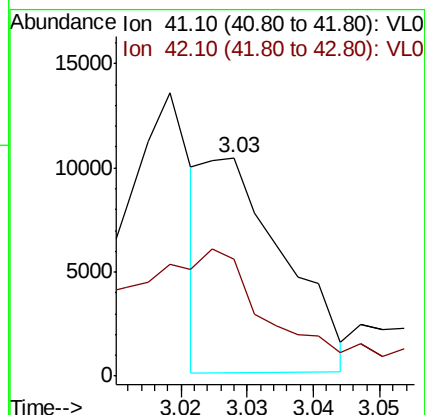
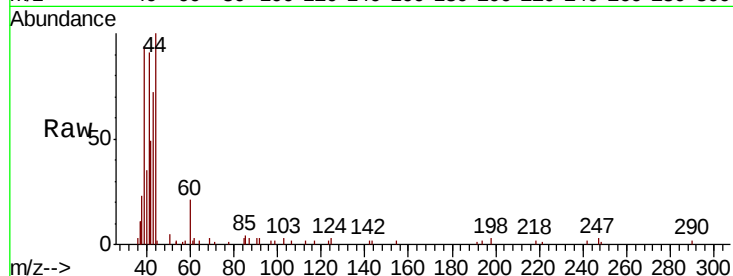
52 6.4 28.5 42.7#





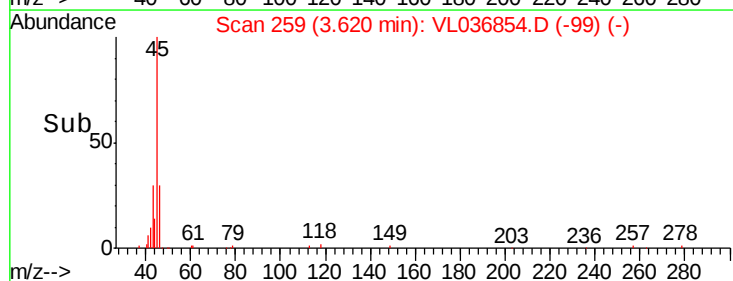
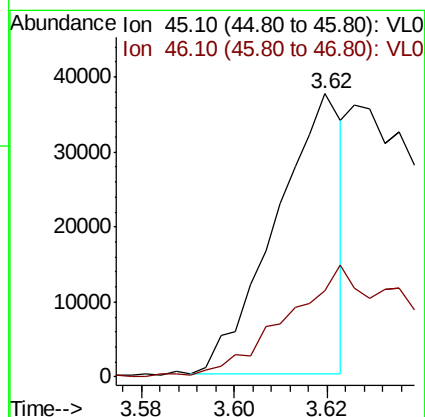
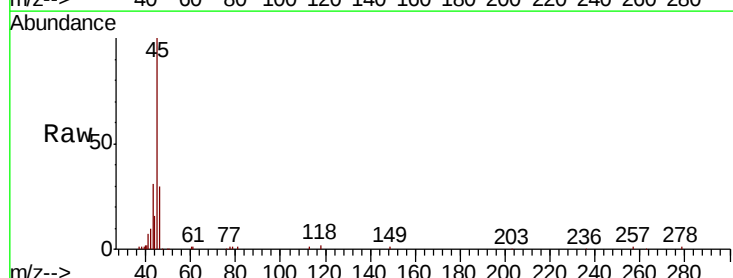
#9
 Propene
 Concen: 0.105 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 12:35

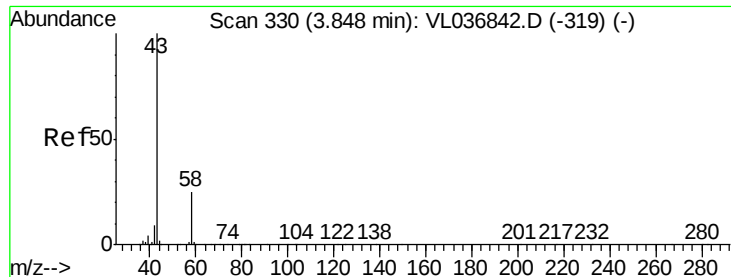
Tot Ion: 41 Resp: 8628
 Ion Ratio Lower Upper
 41 100
 42 143.0 56.0 84.0#



#13
 Ethanol
 Concen: 3.567 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036854.D
 Acq: 27 Apr 2021 12:35

Tgt Ion: 45 Resp: 37295
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.8 67.4#





#15

Acetone

Concen: 0.909 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

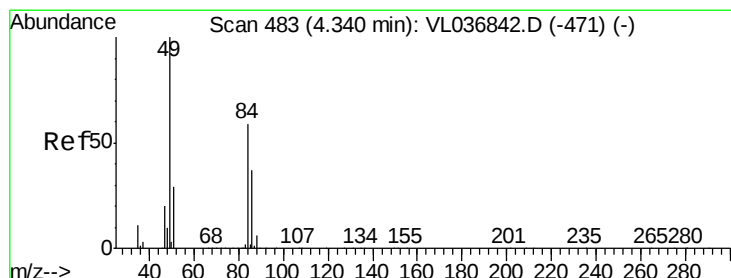
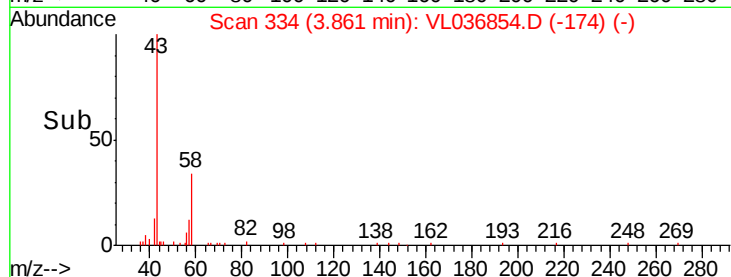
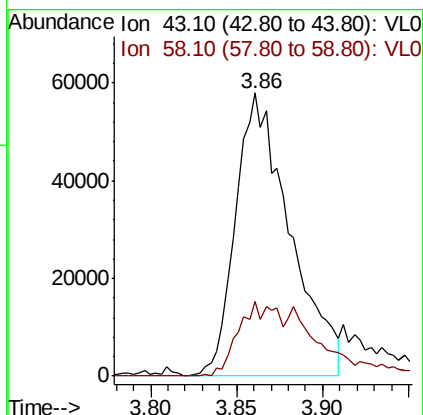
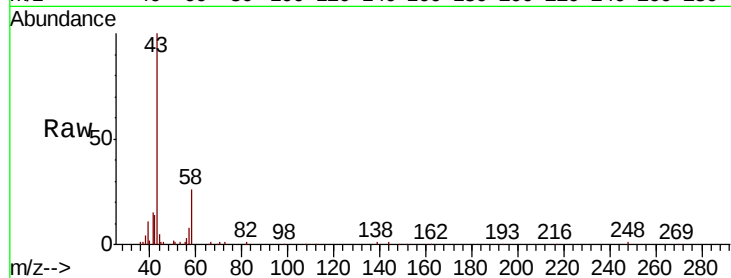
Acq: 27 Apr 2021 12:35

Tot Ion: 43 Resp: 126561

Ion Ratio Lower Upper

43 100

58 36.7 21.7 32.5#



#20

Methylene Chloride

Concen: 3.876 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036854.D

Acq: 27 Apr 2021 12:35

Tgt Ion: 84 Resp: 258078

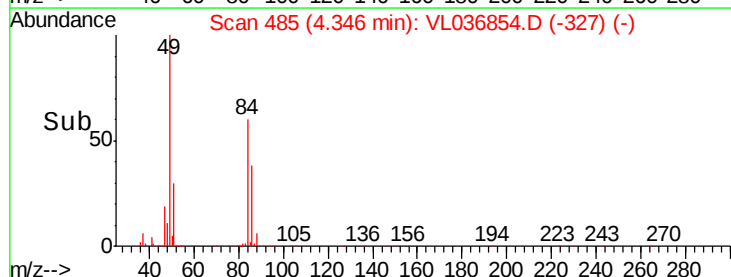
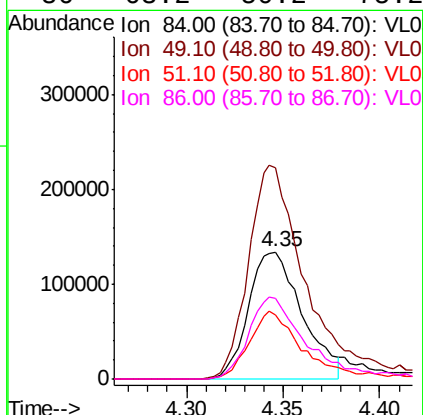
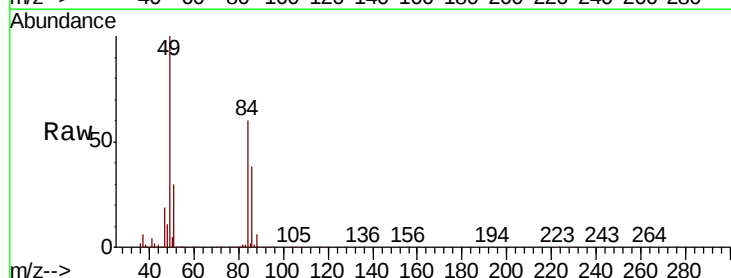
Ion Ratio Lower Upper

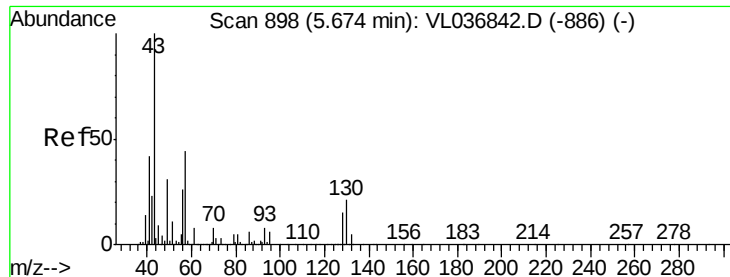
84 100

49 166.8 135.4 203.0

51 50.5 39.3 58.9

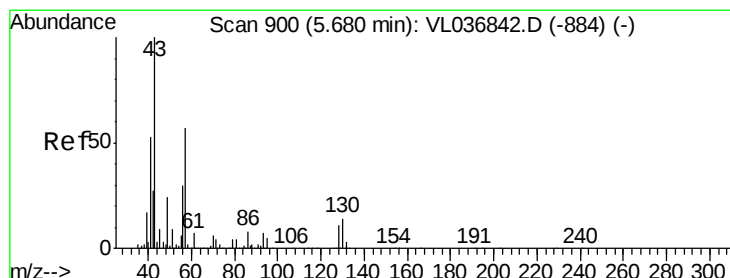
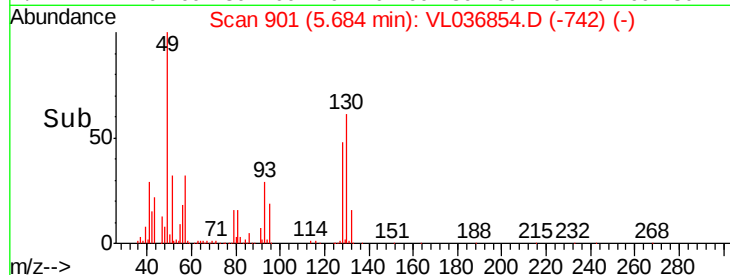
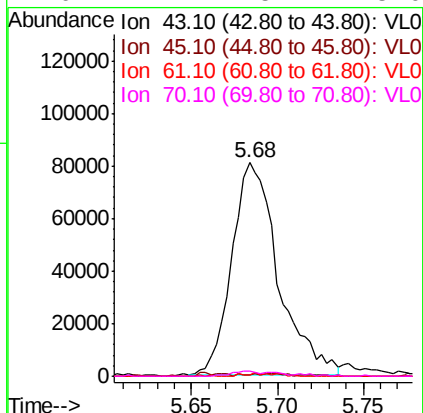
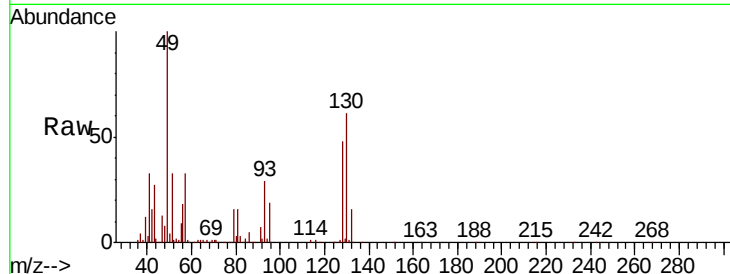
86 63.2 50.2 75.2





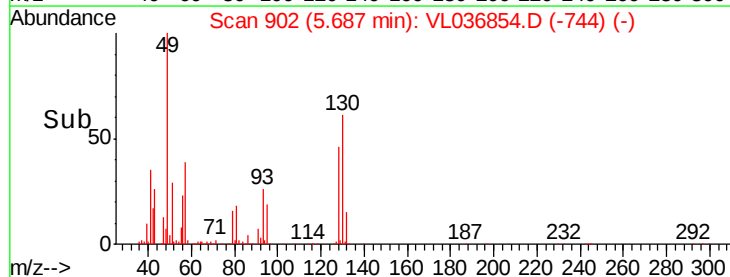
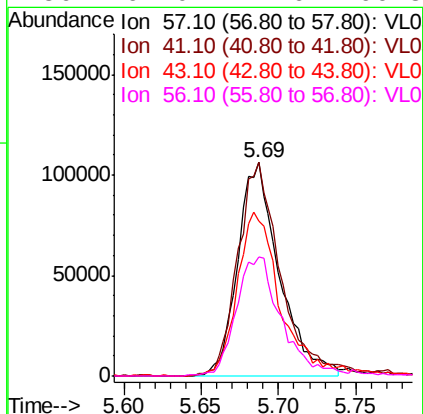
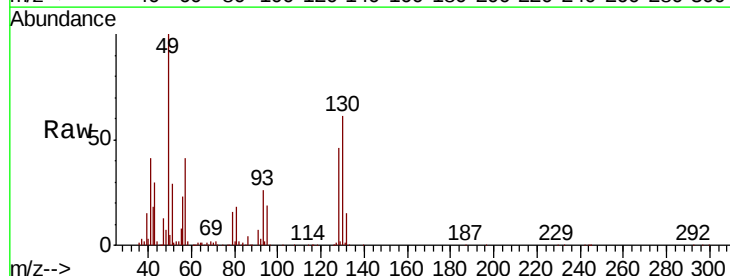
#25
Ethyl Acetate
Concen: 0.449 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 12:35

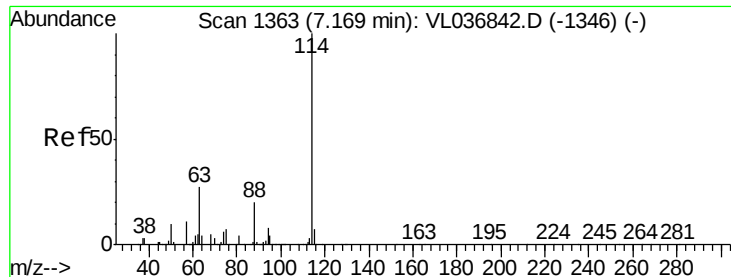
Tot Ion:	43	Resp:	152758
Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.8	11.8#
61	1.1	7.4	11.0#
70	2.7	5.4	8.0#



#26
Hexane
Concen: 1.244 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.01 min
Lab File: VL036854.D
Acq: 27 Apr 2021 12:35

Tgt Ion:	57	Resp:	197980
Ion	Ratio	Lower	Upper
57	100		
41	105.5	77.7	116.5
43	81.8	180.5	270.7#
56	62.0	44.6	66.8

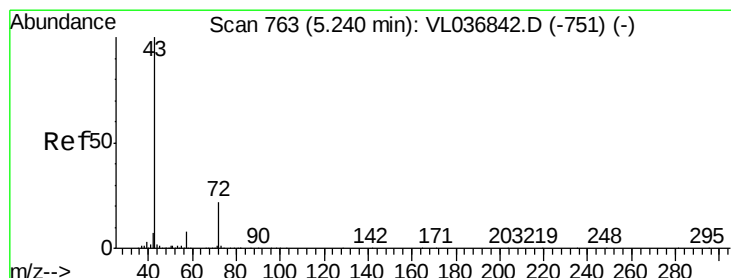
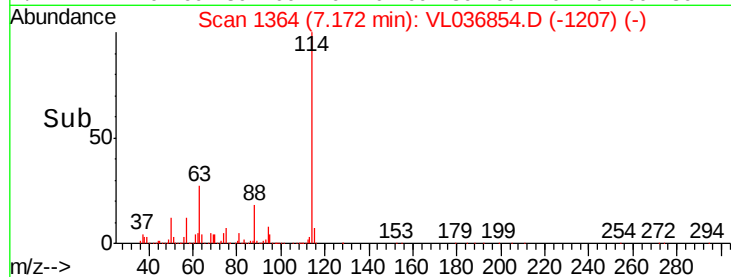
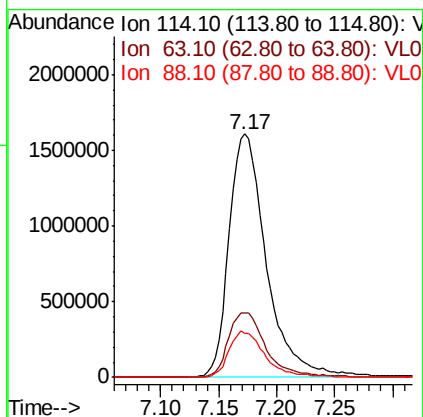
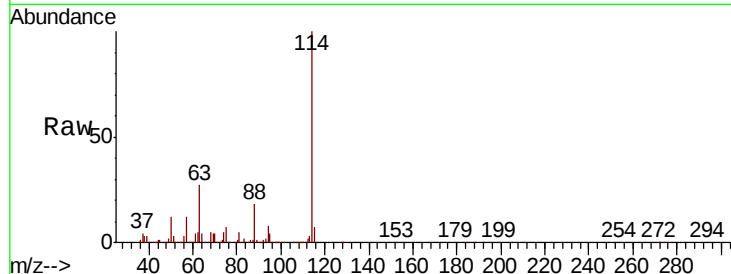




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 12:35

Tot Ion: 114 Resp: 3578519

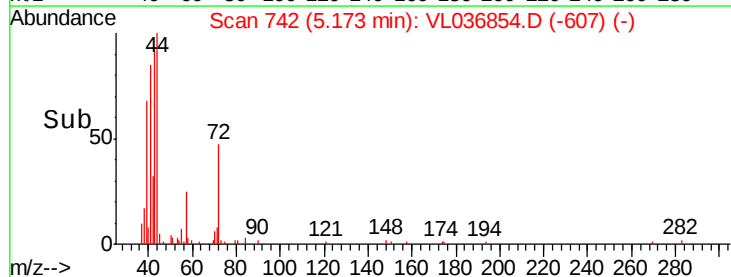
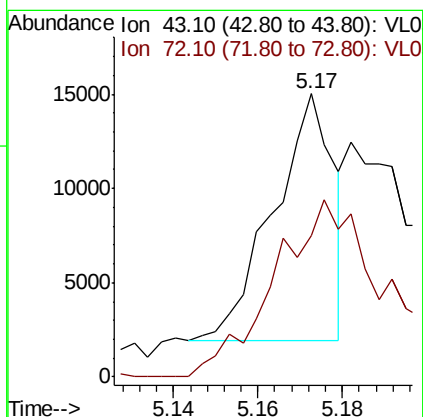
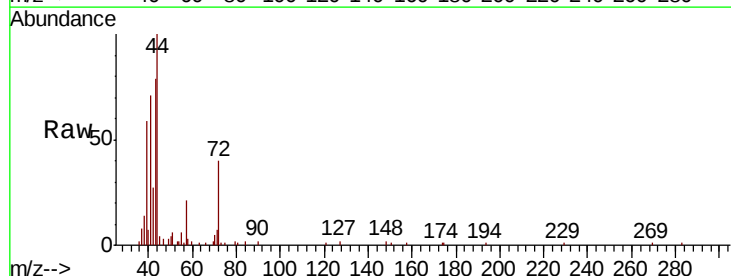
Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	18.9	15.1	22.7

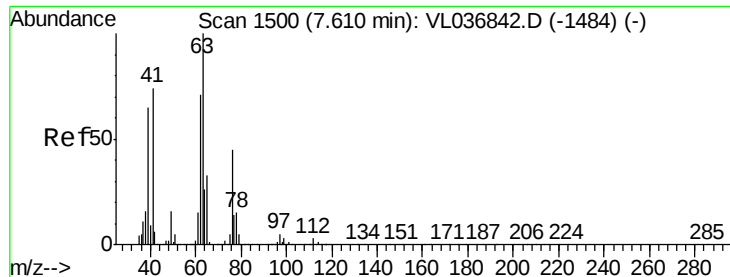


#34
 2-Butanone
 Concen: 0.083 ppbv
 RT: 5.17 min Scan# 742
 Delta R.T.: -0.07 min
 Lab File: VL036854.D
 Acq: 27 Apr 2021 12:35

Tgt Ion: 43 Resp: 13007

Ion	Ratio	Lower	Upper
43	100		
72	168.4	17.6	26.4#





#39

1,2-Dichloropropane

Concen: 0.092 ppbv

RT: 7.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 12:35

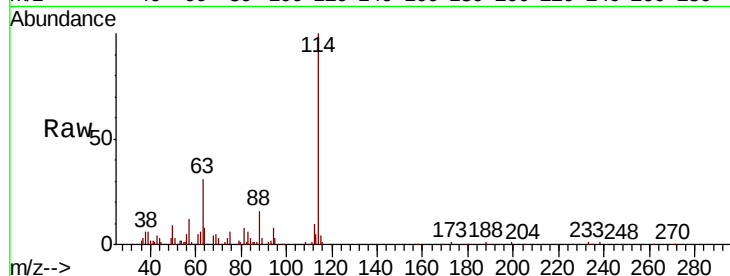
Tot Ion: 63 Resp: 11095

Ion Ratio Lower Upper

63 100

41 0.0 59.1 88.7#

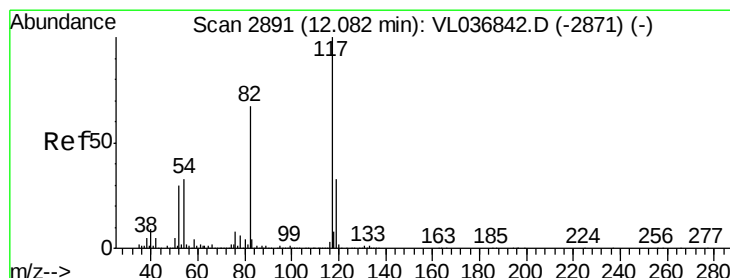
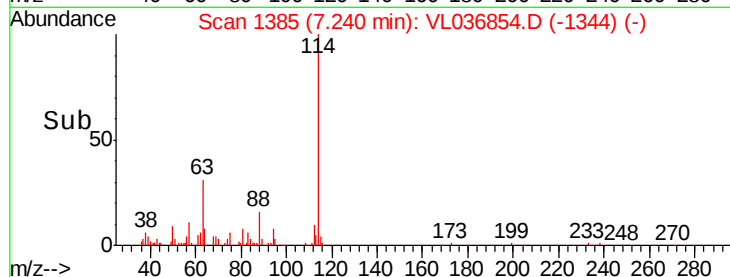
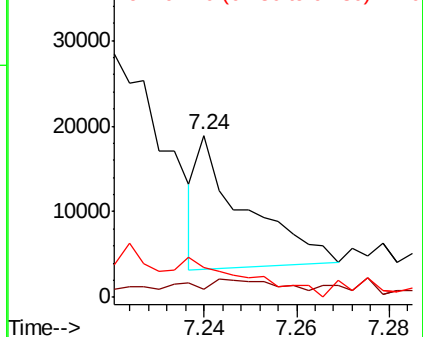
62 9.5 56.9 85.3#



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: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL036854.D

Acq: 27 Apr 2021 12:35

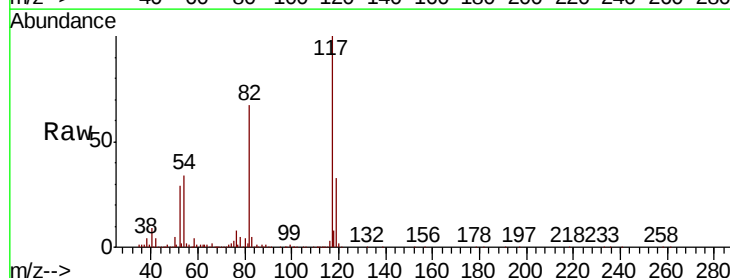
Tgt Ion: 117 Resp: 3116475

Ion Ratio Lower Upper

117 100

82 71.1 53.5 80.3

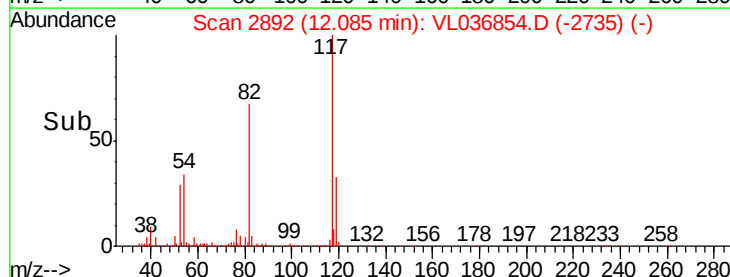
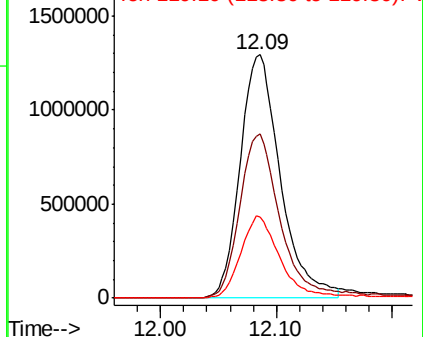
119 34.4 25.6 38.4

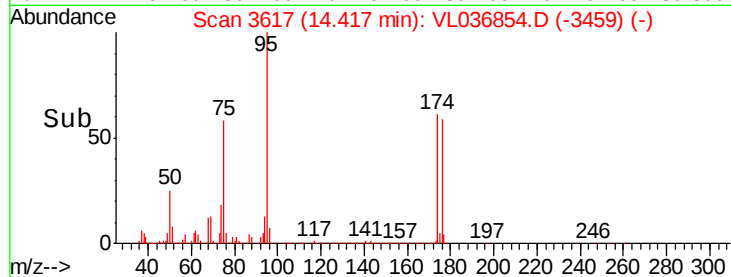
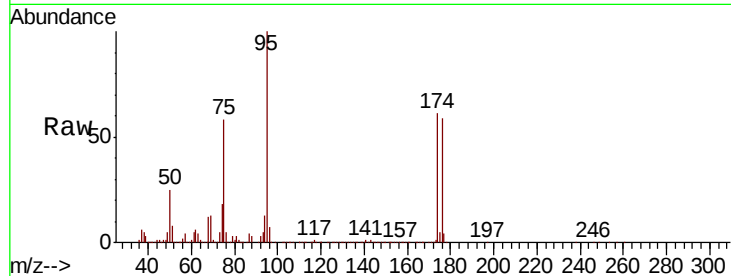
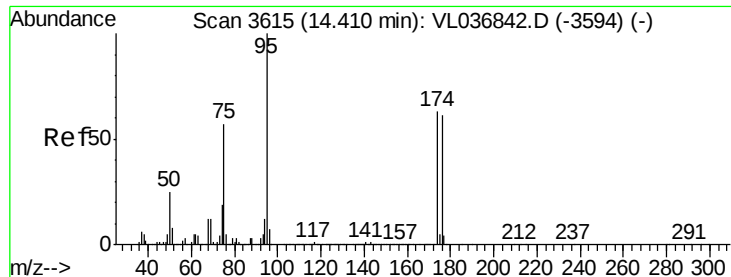


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.411 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 12:35

Tot Ion: 95 Resp: 2354269

Ion Ratio Lower Upper

95 100

174 69.6 52.2 78.2

175 5.0 4.0 6.0

