

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036847.D
 Acq On : 27 Apr 2021 4:33
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 27 07:24:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 07:21:25 2021
 QLast Update : Tue Apr 27 07:21:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1609588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3874650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3348208	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2655232	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

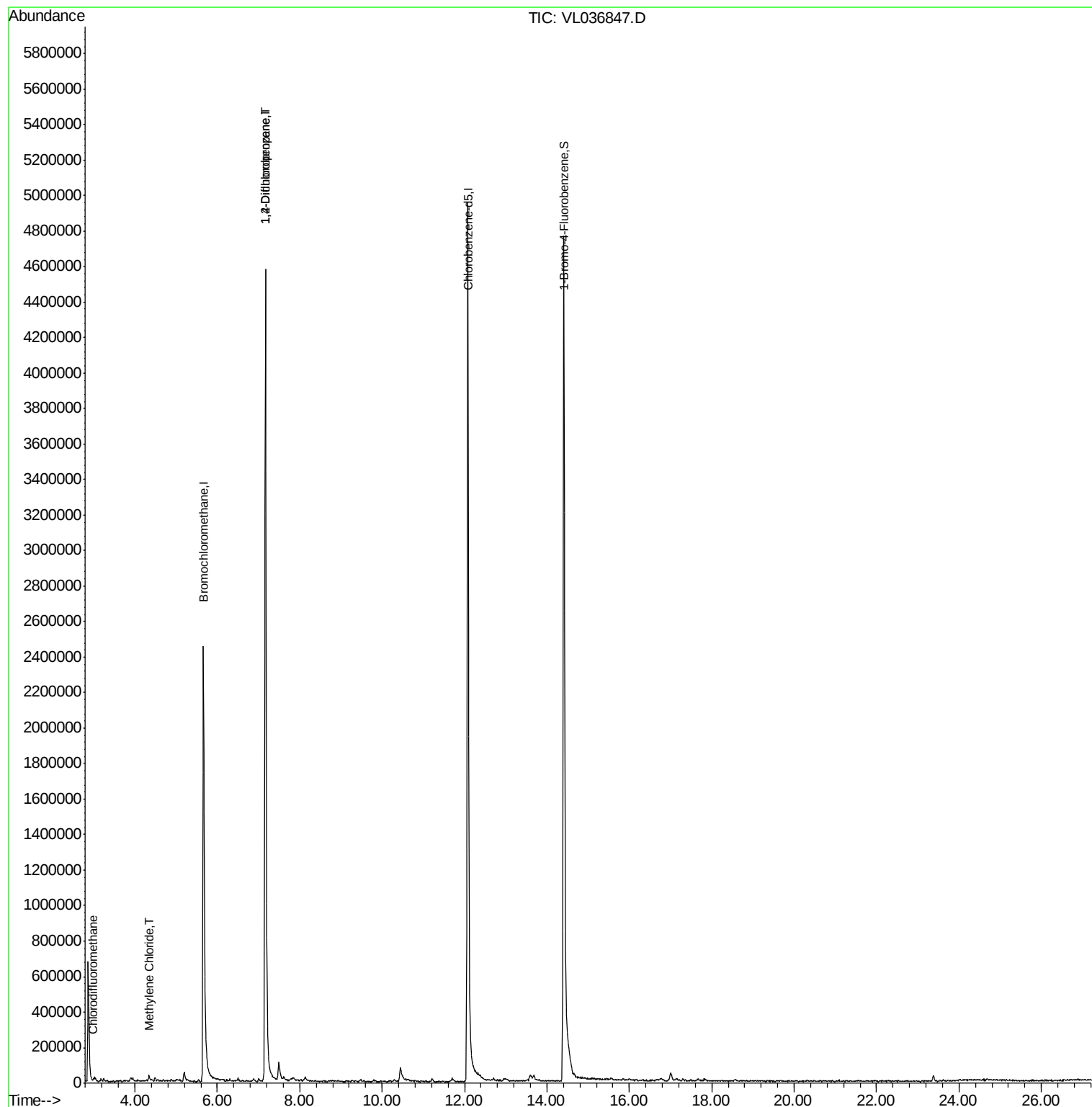
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	10324	0.034	ppbv	97
20) Methylene Chloride	4.34	84	3509	0.049	ppbv #	15
39) 1,2-Dichloropropane	7.17	63	1022027	7.159	ppbv #	24

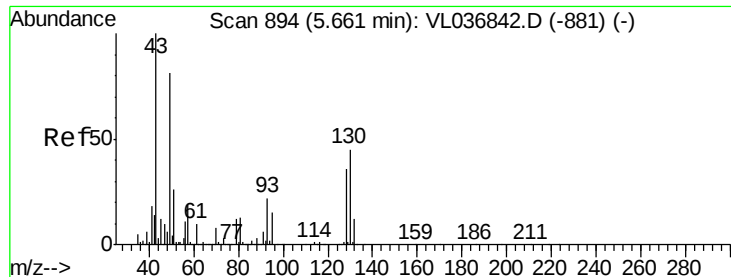
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 4:33

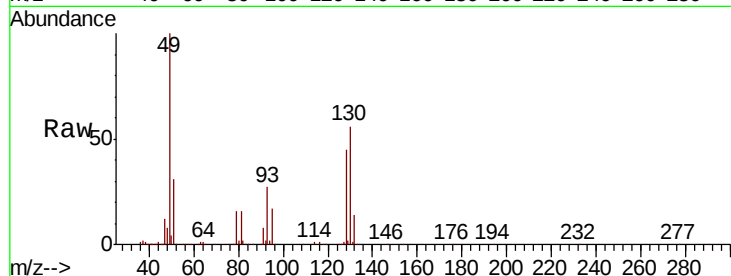
Tot Ion: 49 Resp: 1609588

Ion Ratio Lower Upper

49 100

128 46.5 24.4 73.2

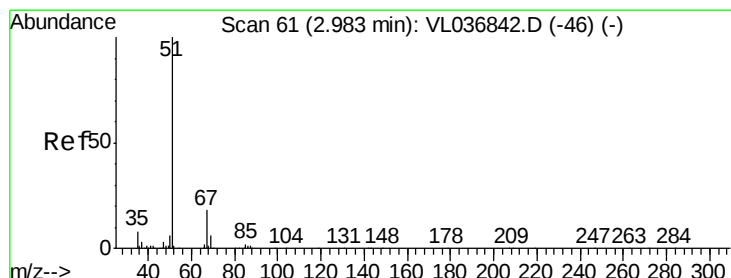
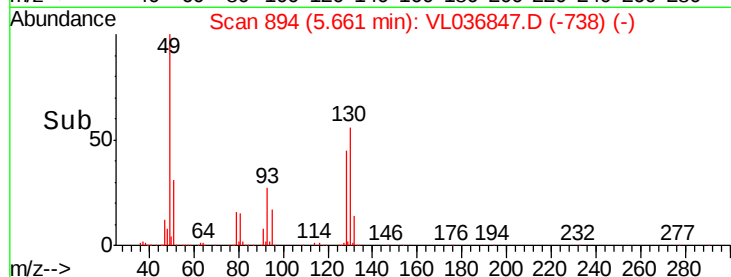
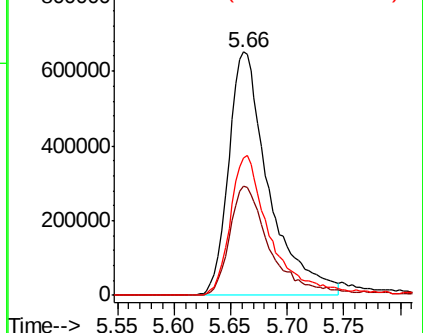
130 59.3 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.034 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL036847.D

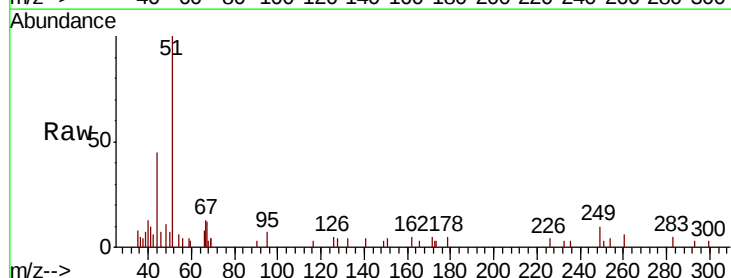
Acq: 27 Apr 2021 4:33

Tgt Ion: 51 Resp: 10324

Ion Ratio Lower Upper

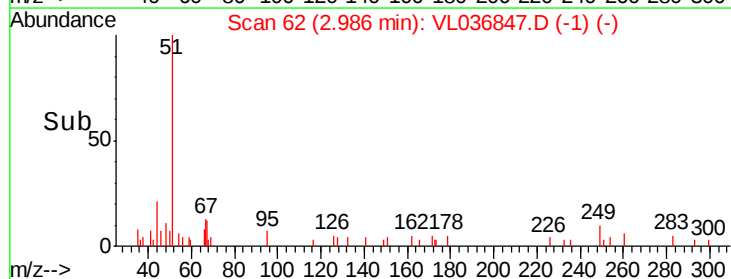
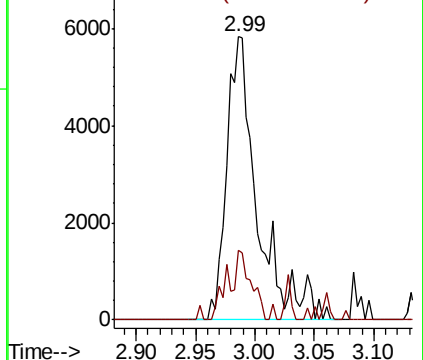
51 100

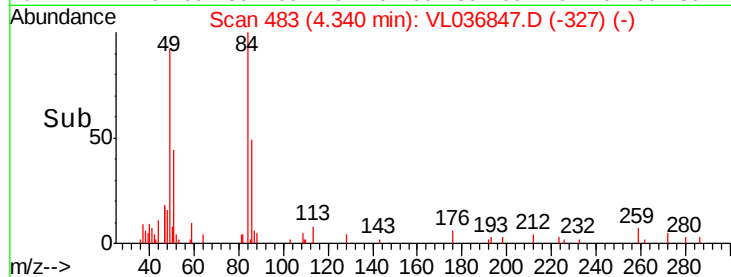
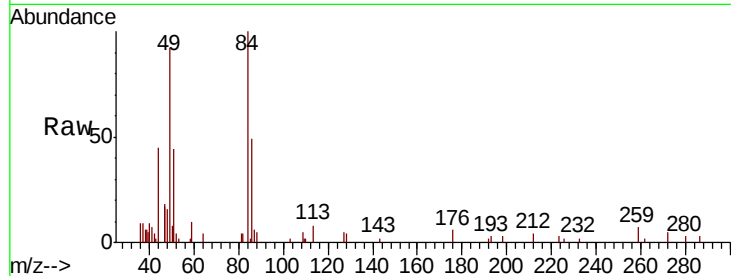
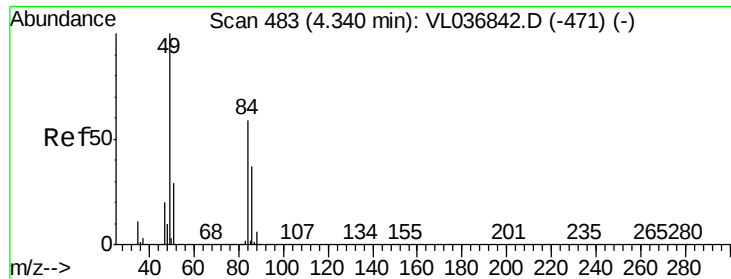
67 19.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

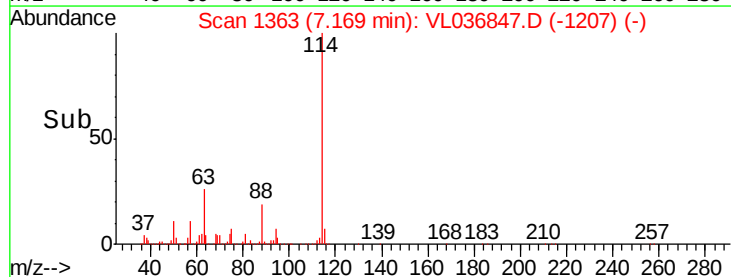
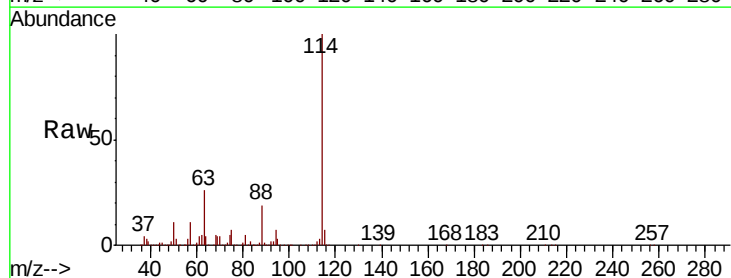
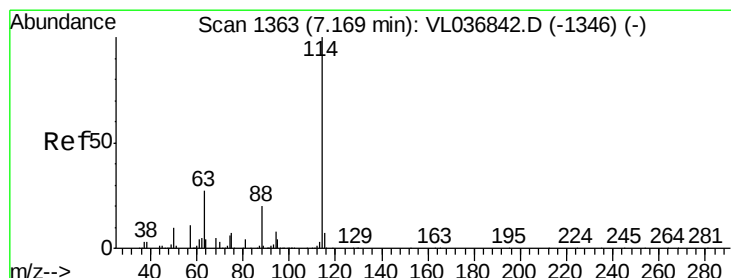
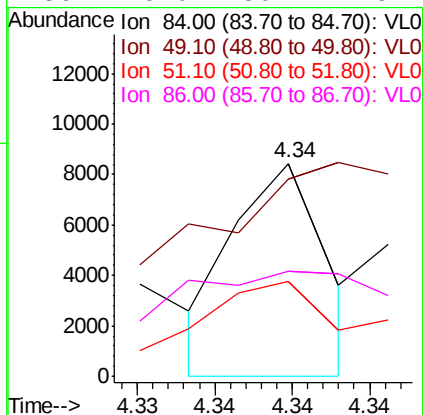
Ion 67.00 (66.70 to 67.70): VL0





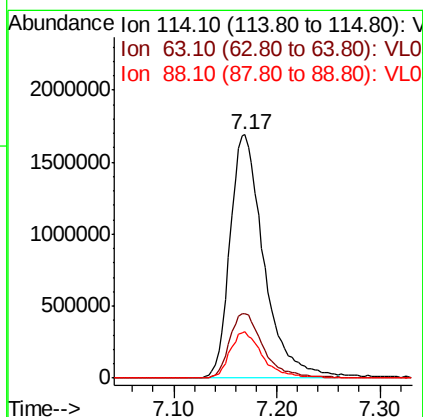
#20
Methvlene Chloride
Concen: 0.049 ppbv
RT: 4.34 Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 4:33

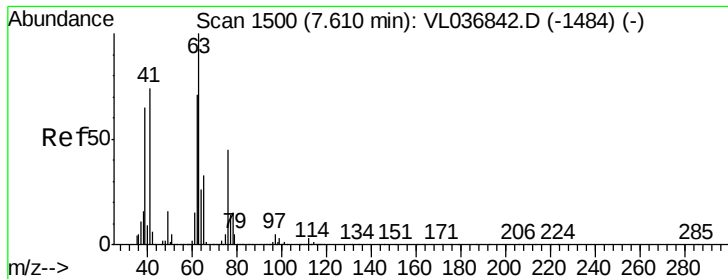
Tot Ion:	84	Resp:	3509
Ion	Ratio	Lower	Upper
84	100		
49	22.9	135.4	203.0#
51	32.8	39.3	58.9#
86	6.0	50.2	75.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T.: 0.00 min
Lab File: VL036847.D
Acq: 27 Apr 2021 4:33

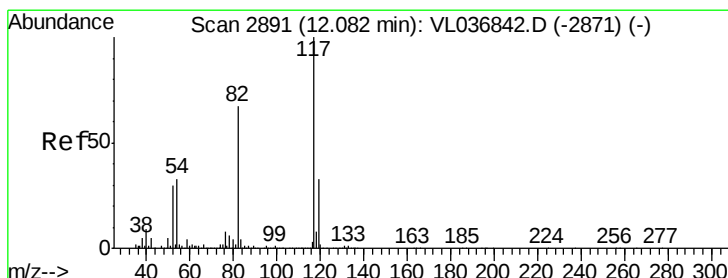
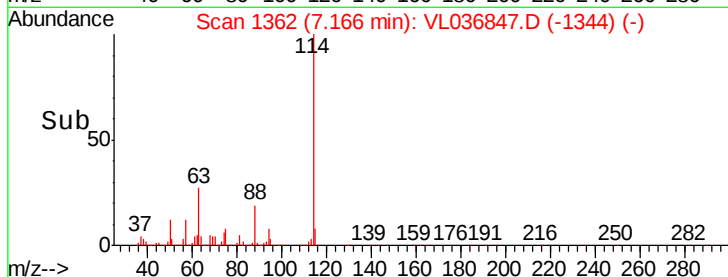
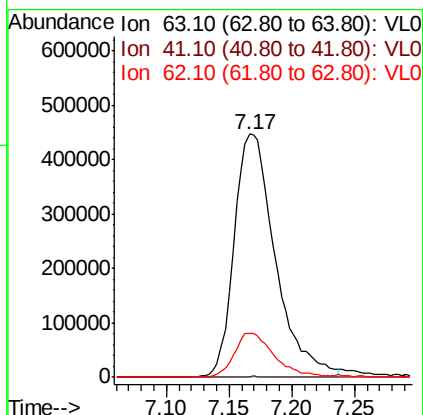
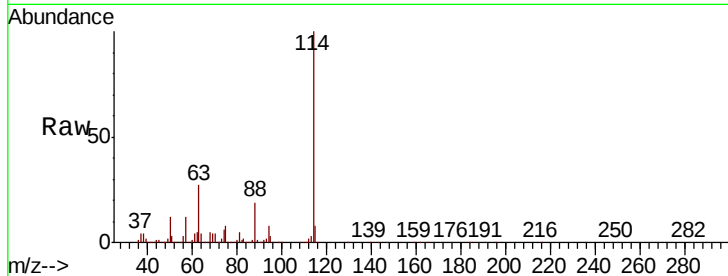
Tgt Ion:	114	Resp:	3874650
Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.9	32.9
88	18.7	15.1	22.7





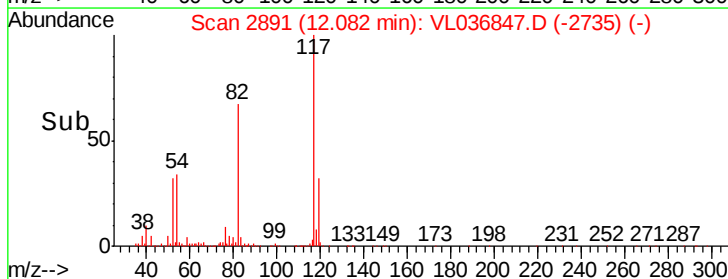
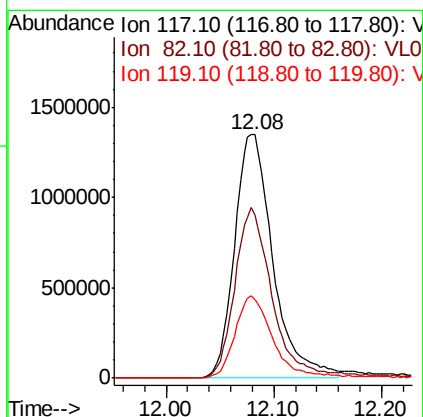
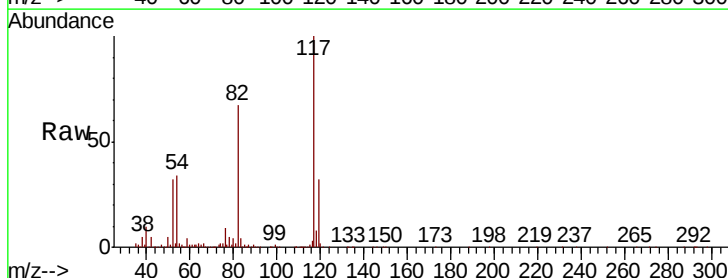
#39
 1,2-Dichloropropane
 Concen: 7.159 ppbv
 RT: 7.17 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 4:33

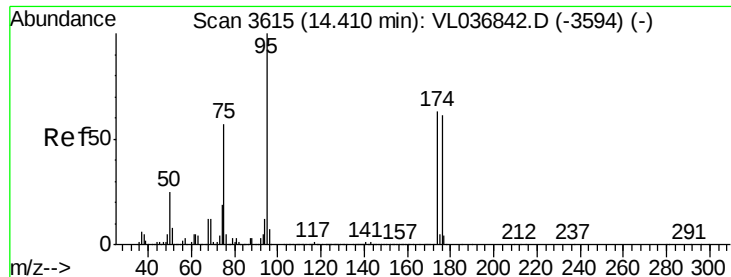
Tot Ion: 63 Resp: 1022027
 Ion Ratio Lower Upper
 63 100
 41 0.1 59.1 88.7#
 62 18.2 56.9 85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T.: 0.00 min
 Lab File: VL036847.D
 Acq: 27 Apr 2021 4:33

Tgt Ion: 117 Resp: 3348208
 Ion Ratio Lower Upper
 117 100
 82 70.8 53.4 80.2
 119 33.7 44.9 67.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 4:33

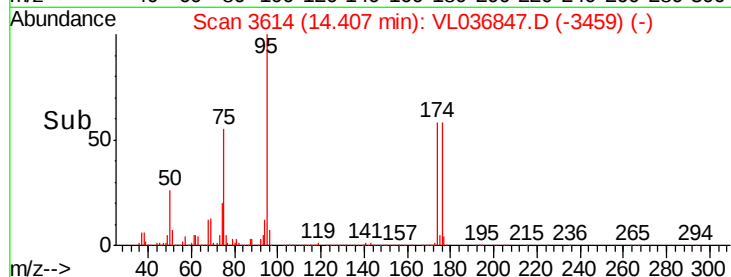
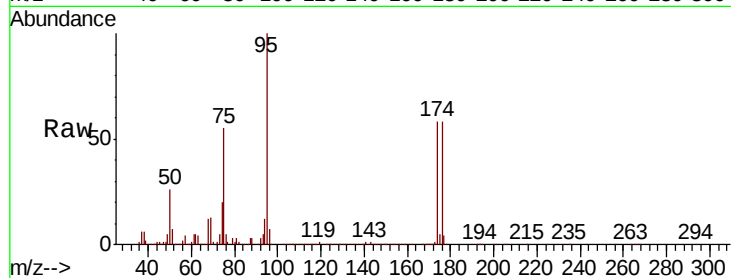
Tot Ion: 95 Resp: 2655232

Ion Ratio Lower Upper

95 100

174 67.0 52.4 78.6

175 4.7 3.9 5.9



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

