

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036441.D
 Acq On : 3 Mar 2021 16:32
 Operator : SY/AP
 Sample : VL0303ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABL01

Quant Time: Mar 04 03:03:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1739259	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3886124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3492391	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2864682	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

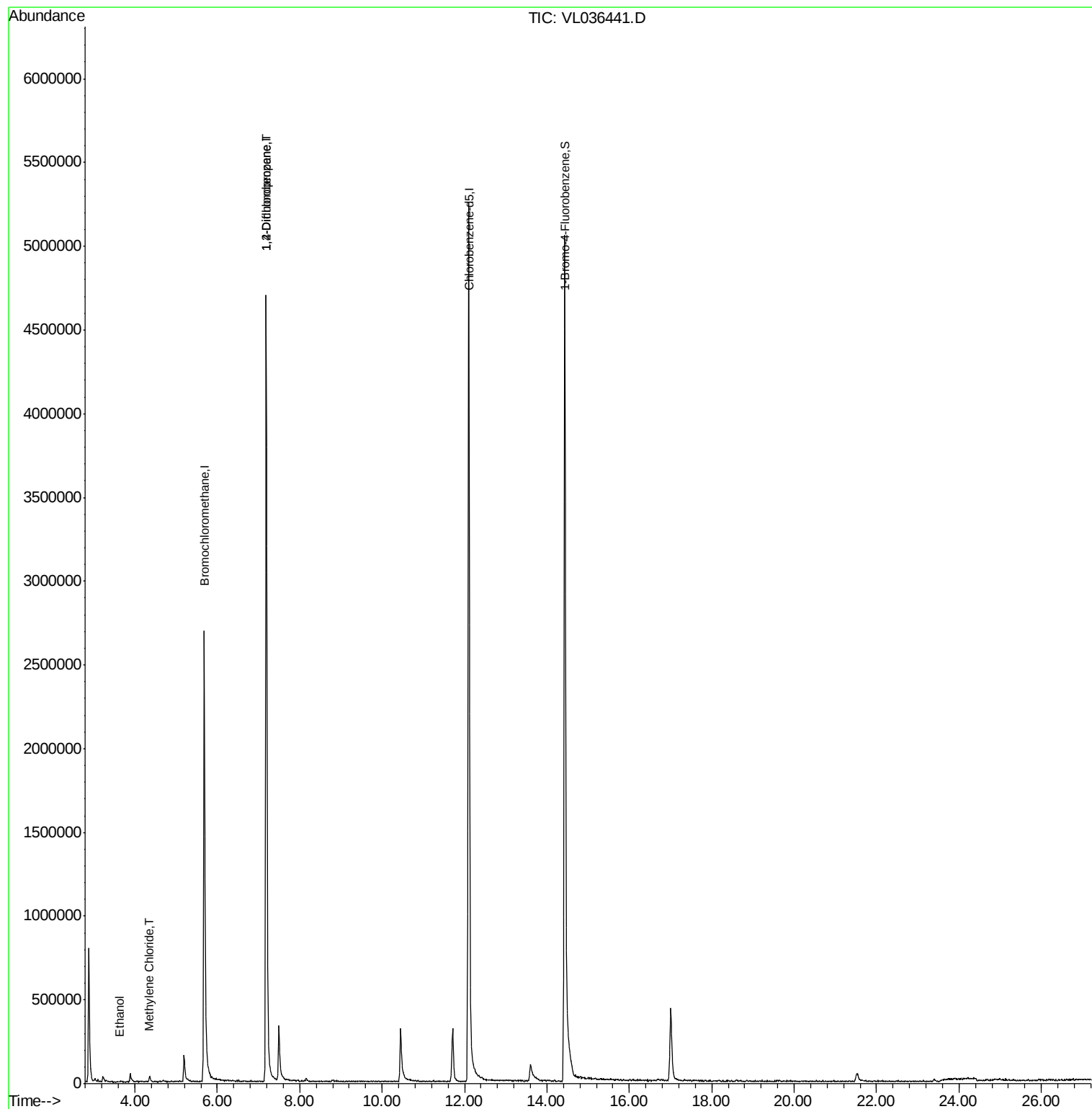
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	543	0.039	ppbv #	34
20) Methylene Chloride	4.35	84	5400	0.081	ppbv #	10
39) 1,2-Dichloropropane	7.19	63	1088916	8.492	ppbv #	21

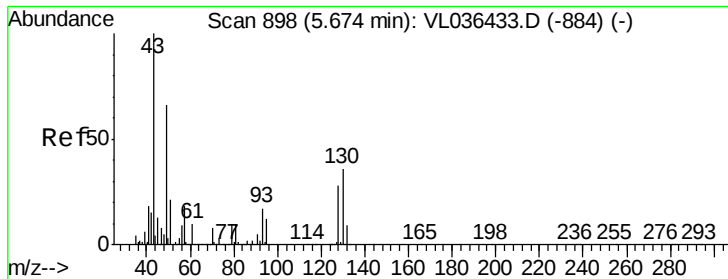
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0303ABL01

Acq: 3 Mar 2021 16:32

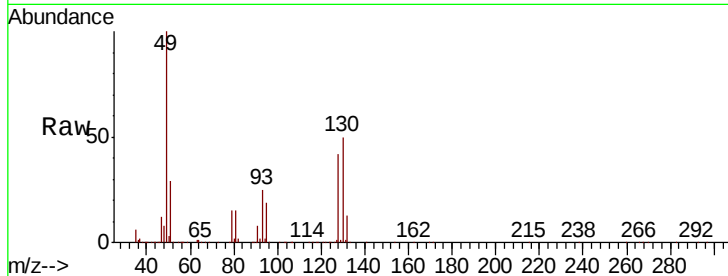
Tot Ion: 49 Resp: 1739259

Ion Ratio Lower Upper

49 100

128 43.5 22.4 67.2

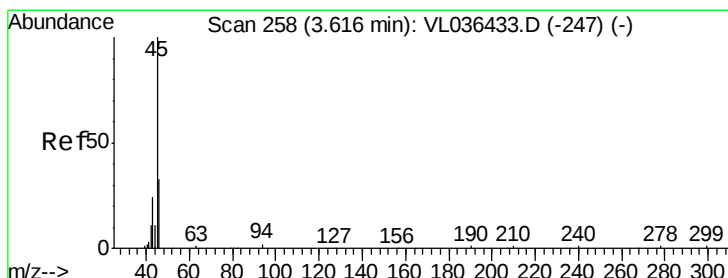
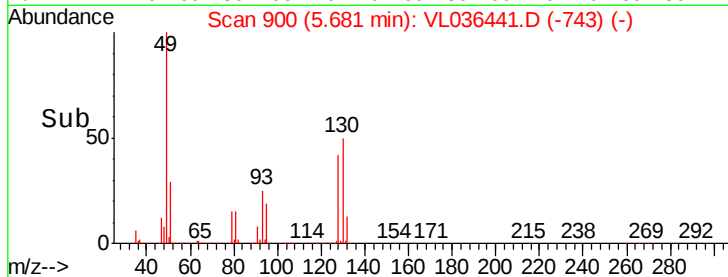
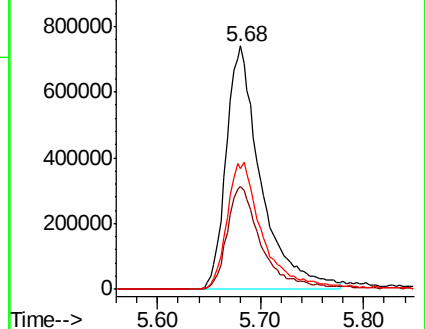
130 54.7 28.0 84.0



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



#13

Ethanol

Concen: 0.039 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.01 min

Lab File: VL036441.D

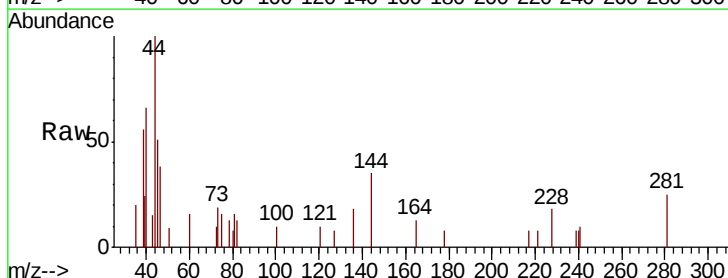
Acq: 3 Mar 2021 16:32

Tgt Ion: 45 Resp: 543

Ion Ratio Lower Upper

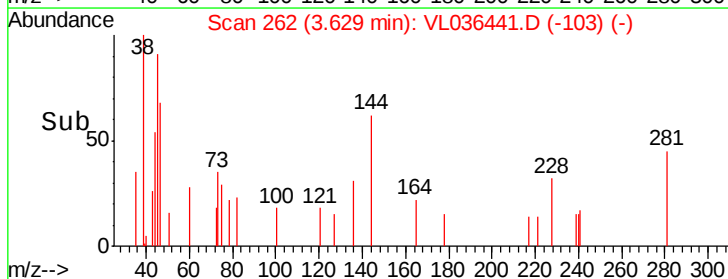
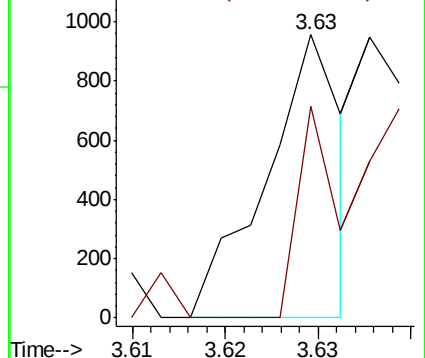
45 100

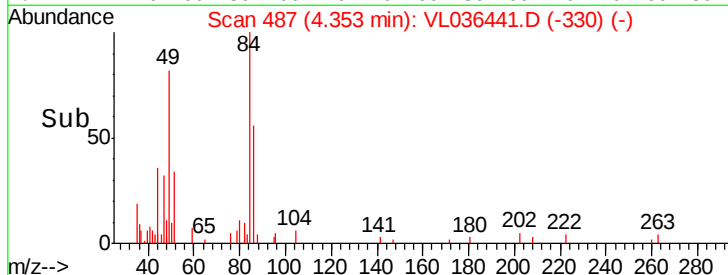
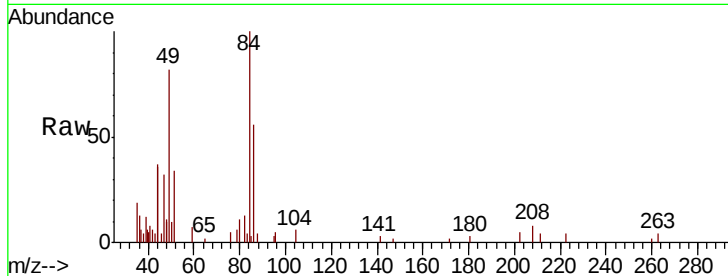
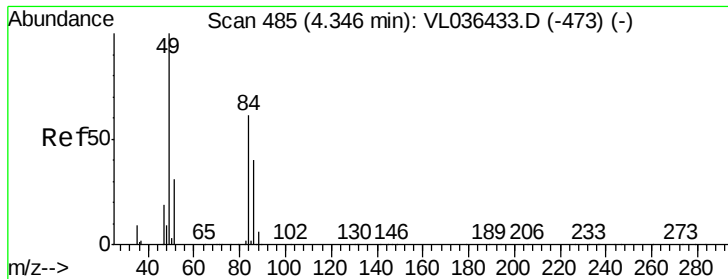
46 0.0 16.8 67.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

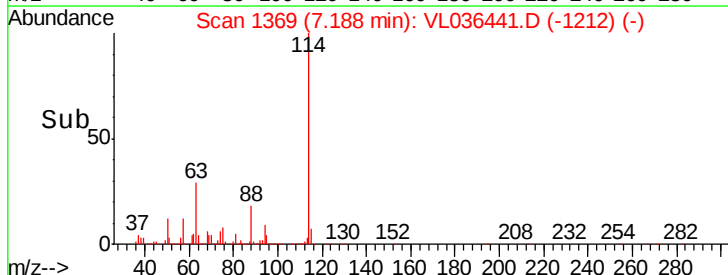
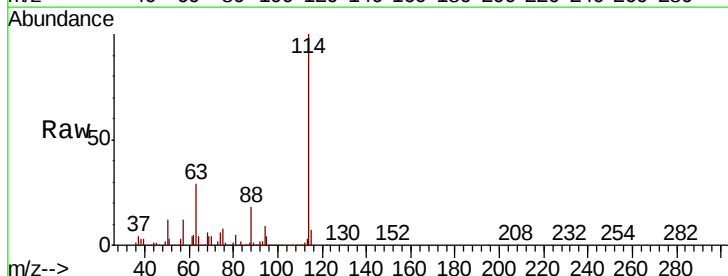
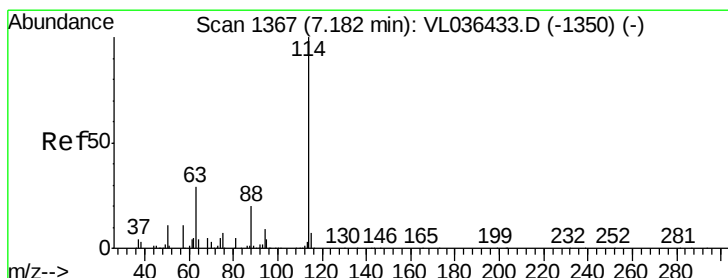
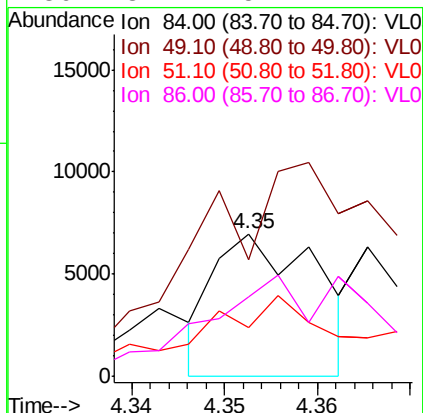
Ion 46.10 (45.80 to 46.80): VL0





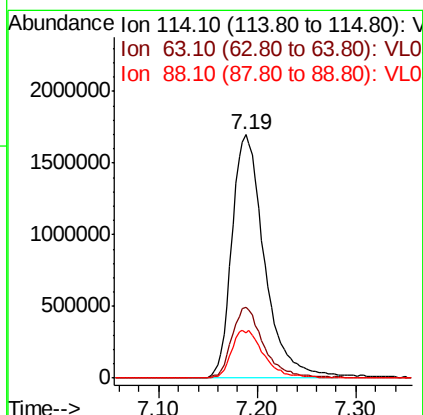
#20
Methvlene Chloride
Concen: 0.081 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2021 16:32

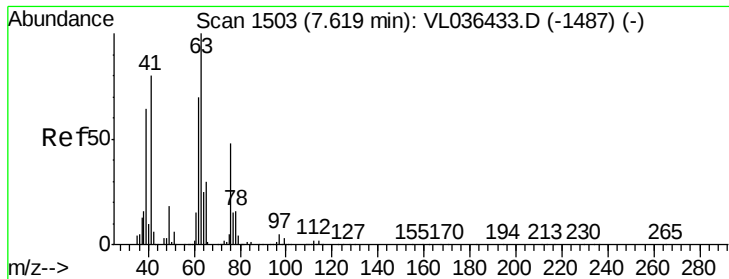
Tot Ion: 84 Resp: 5400
Ion Ratio Lower Upper
84 100
49 0.0 130.2 195.2#
51 18.2 40.5 60.7#
86 31.2 51.4 77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VL036441.D
Acq: 3 Mar 2021 16:32

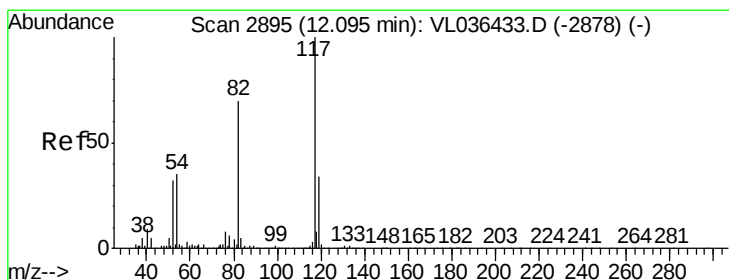
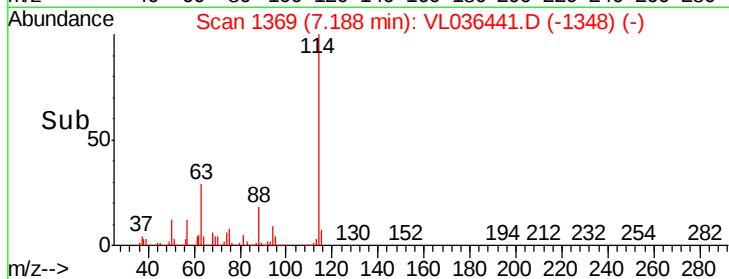
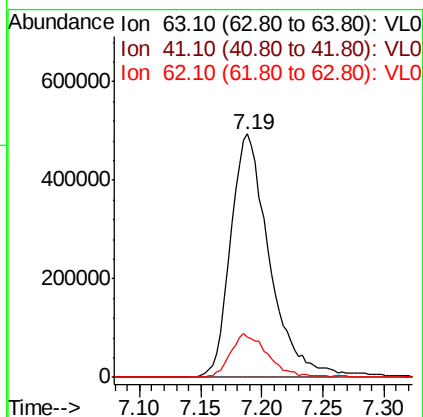
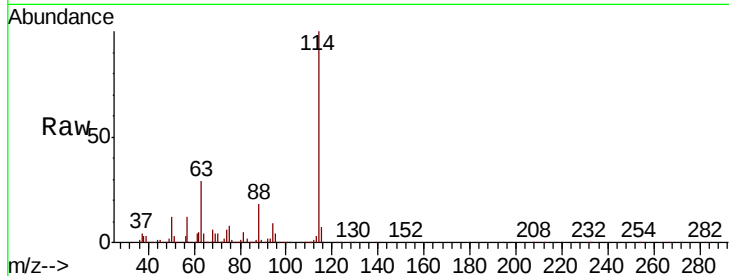
Tgt Ion: 114 Resp: 3886124
Ion Ratio Lower Upper
114 100
63 28.6 23.3 34.9
88 19.9 15.6 23.4





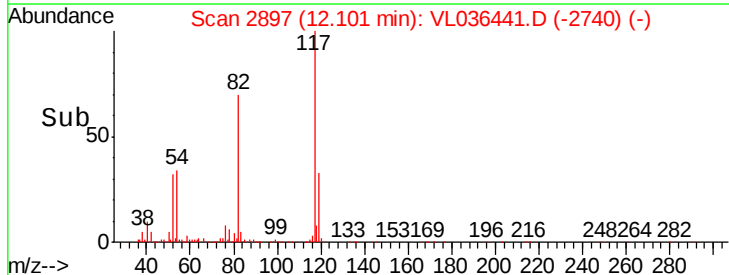
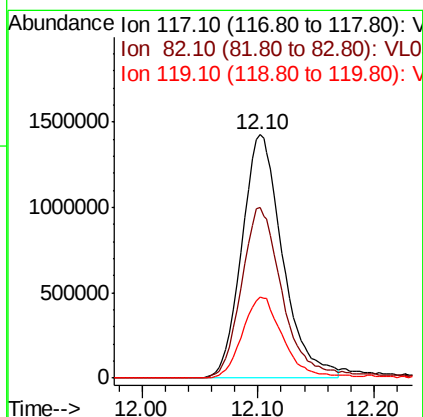
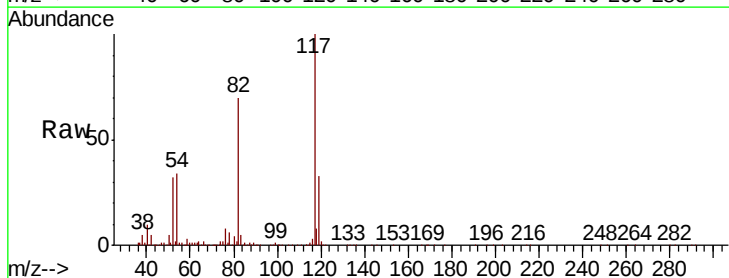
#39
 1,2-Dichloropropane
 Concen: 8.492 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0303ABL01
 Acq: 3 Mar 2021 16:32

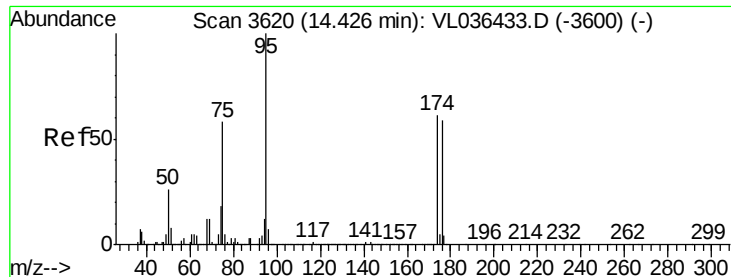
Tot Ion: 63 Resp: 1088916
 Ion Ratio Lower Upper
 63 100
 41 0.1 64.4 96.6#
 62 16.7 55.7 83.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T.: 0.01 min
 Lab File: VL036441.D
 Acq: 3 Mar 2021 16:32

Tgt Ion: 117 Resp: 3492391
 Ion Ratio Lower Upper
 117 100
 82 73.2 56.5 84.7
 119 34.3 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.974 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2021 10:32

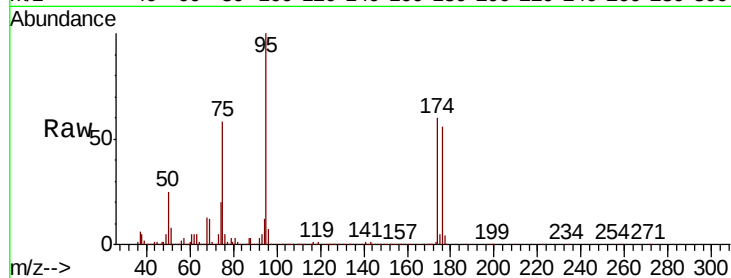
Tot Ion: 95 Resp: 2864682

Ion Ratio Lower Upper

95 100

174 65.0 51.0 76.4

175 4.9 3.8 5.6



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

