

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036444.D
 Acq On : 3 Mar 2021 18:32
 Operator : SY/AP
 Sample : OC030221 CAN 10608
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030221 CAN 10608

Quant Time: Mar 04 03:04:22 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	1650885	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3633037	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3357172	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2650421	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

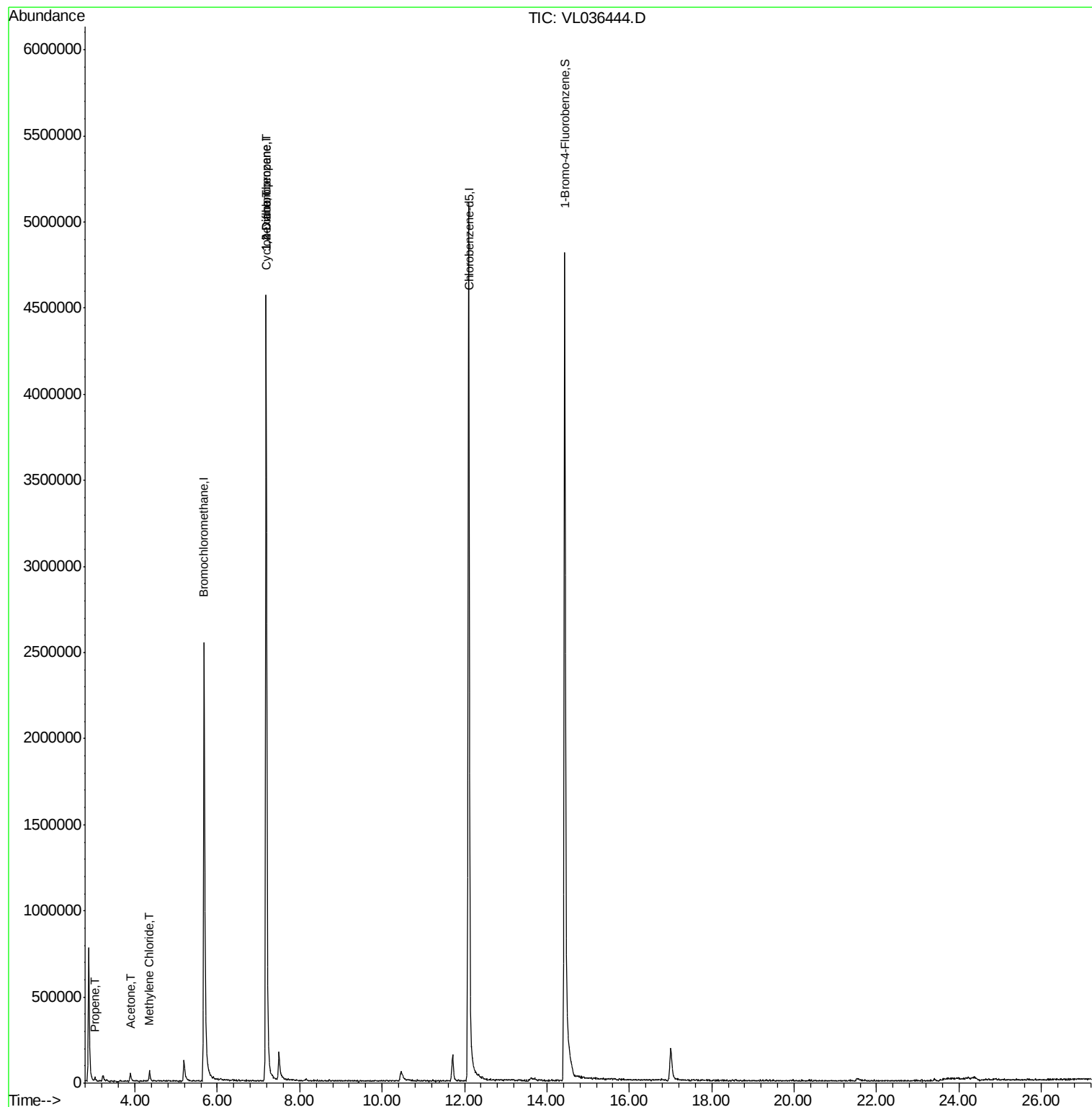
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2804	0.033	ppbv #	1
15) Acetone	3.88	43	21388	0.113	ppbv #	49
20) Methylene Chloride	4.35	84	11995	0.189	ppbv	89
30) Cyclohexane	7.17	84	6906	0.056	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	1043249	8.703	ppbv #	21

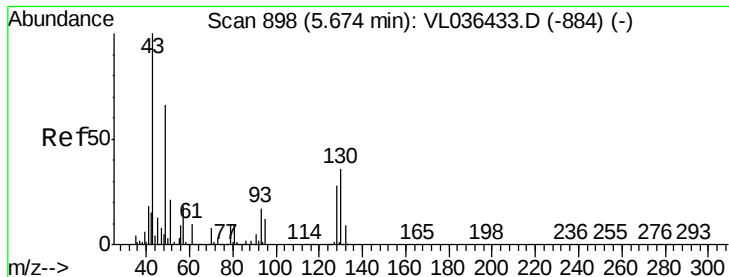
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId : OC030221 CAN 10608

Acq: 3 Mar 2021 18:32

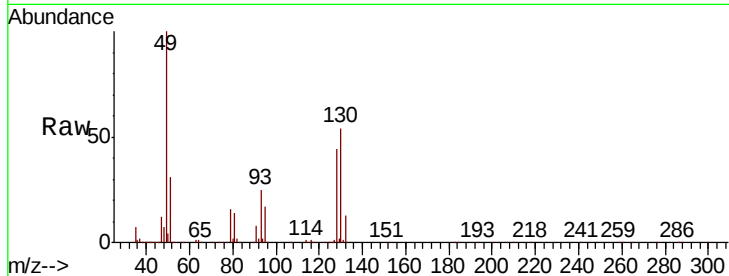
Tot Ion: 49 Resp: 1650885

Ion Ratio Lower Upper

49 100

128 43.7 22.4 67.2

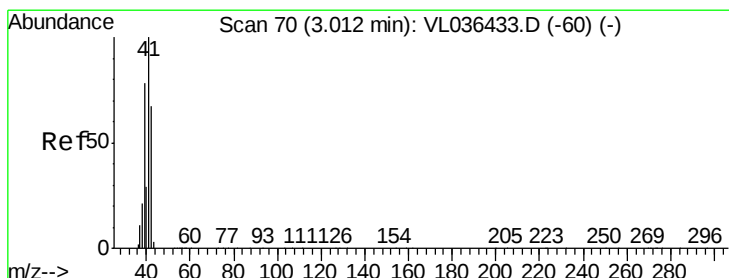
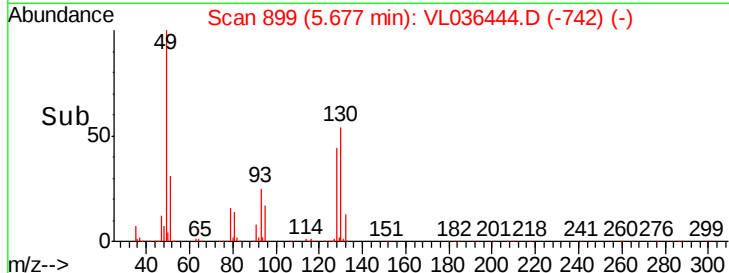
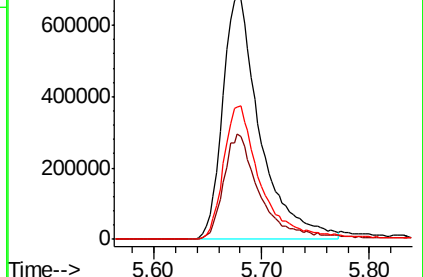
130 56.0 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.033 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036444.D

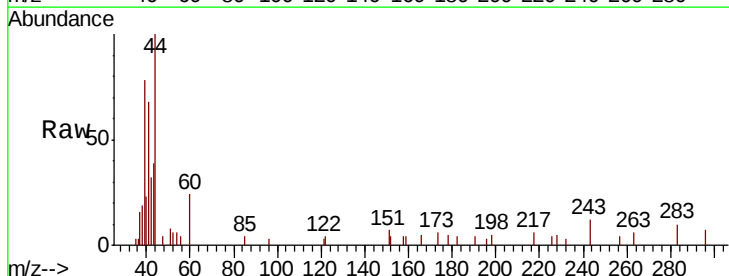
Acq: 3 Mar 2021 18:32

Tgt Ion: 41 Resp: 2804

Ion Ratio Lower Upper

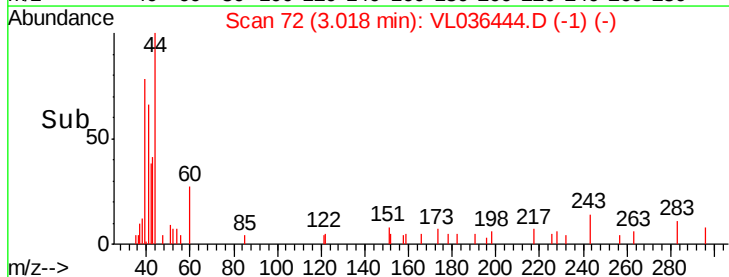
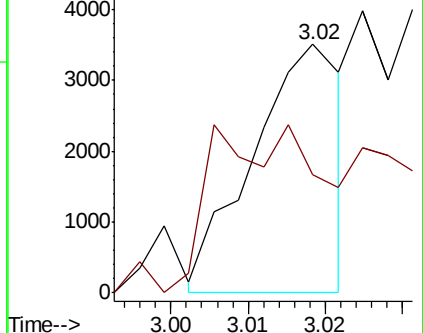
41 100

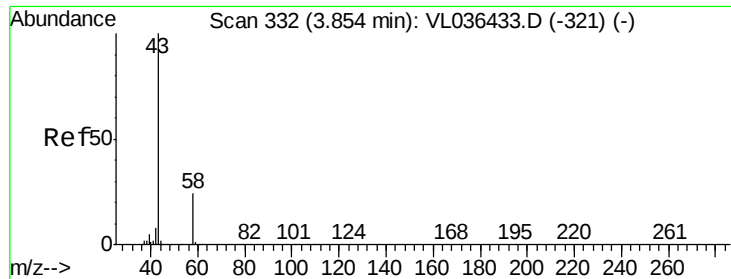
42 211.5 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.113 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

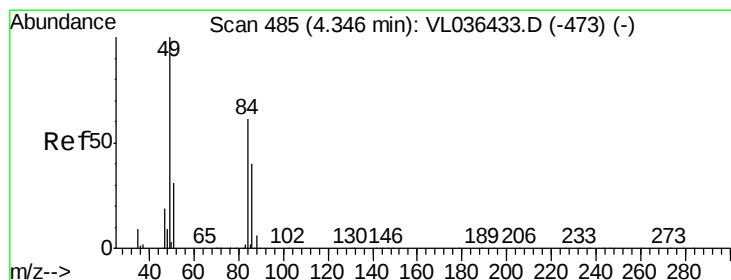
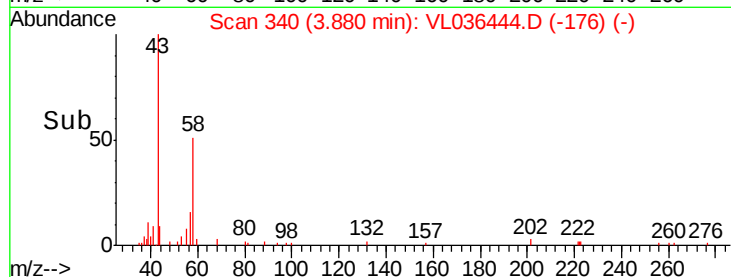
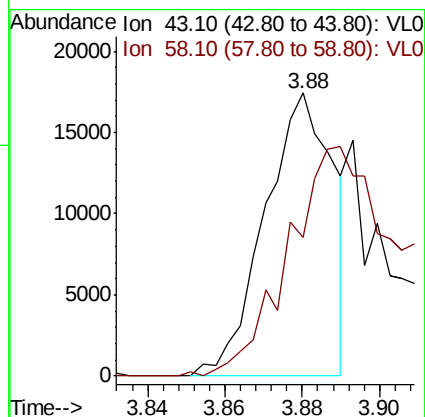
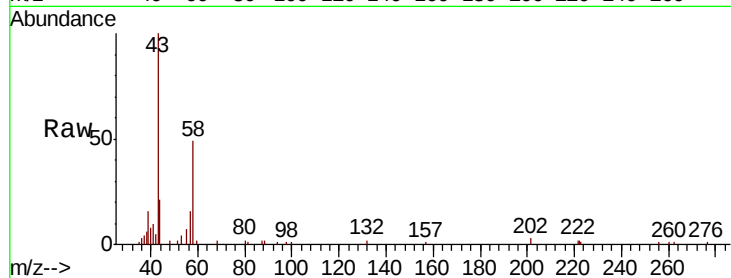
Acq: 3 Mar 2021 18:32 QC030221 CAN 10608

Tot Ion: 43 Resp: 21388

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.6#



#20

Methylene Chloride

Concen: 0.189 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036444.D

Acq: 3 Mar 2021 18:32

Tgt Ion: 84 Resp: 11995

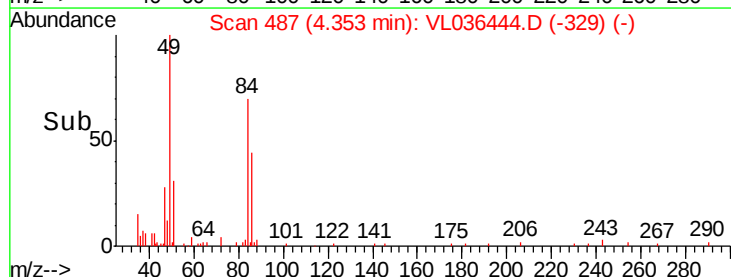
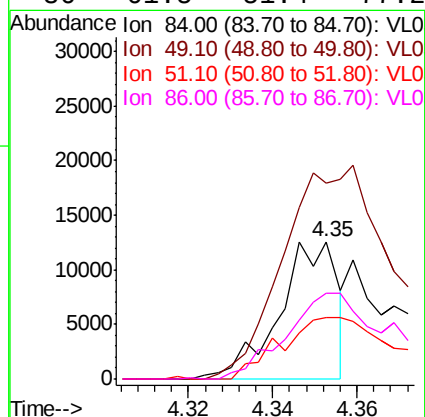
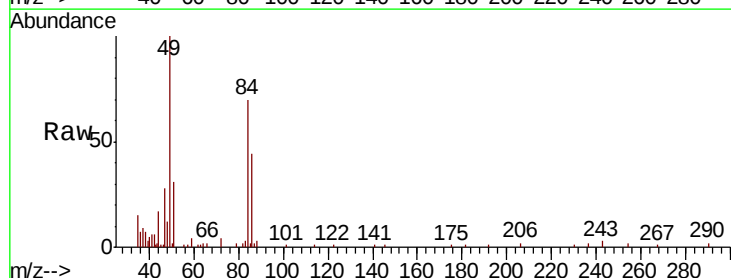
Ion Ratio Lower Upper

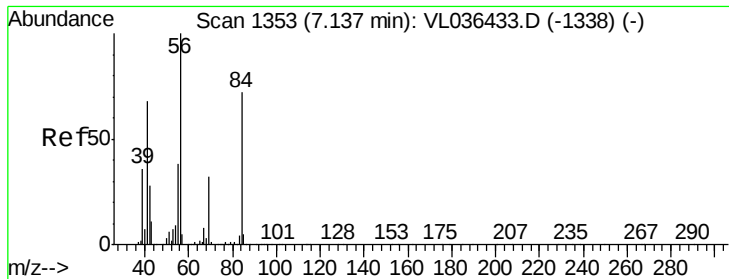
84 100

49 142.5 130.2 195.2

51 44.5 40.5 60.7

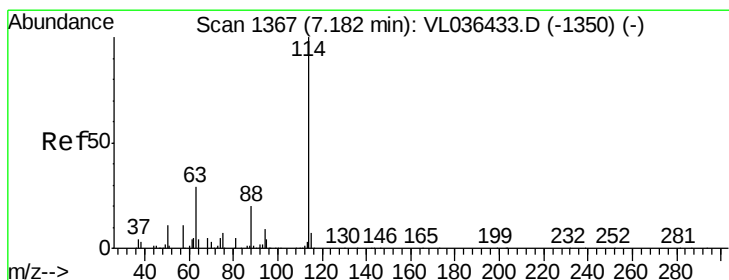
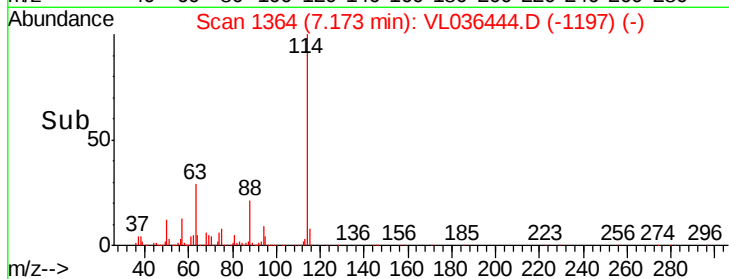
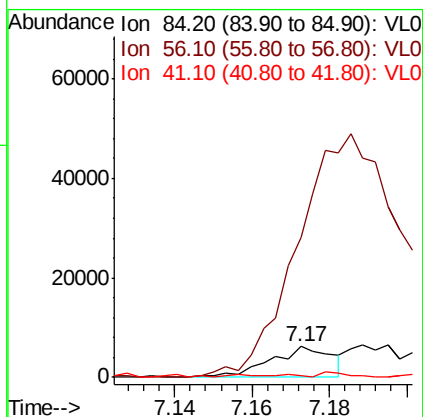
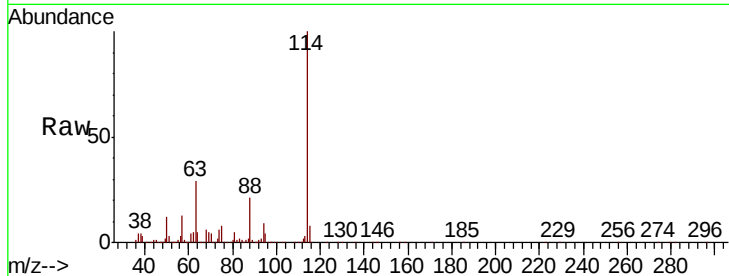
86 61.5 51.4 77.2





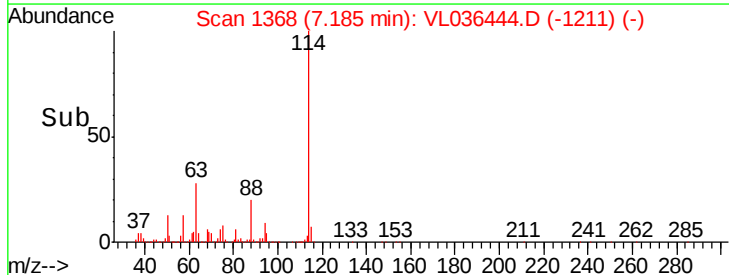
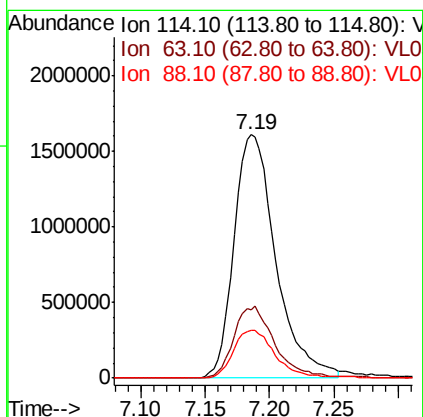
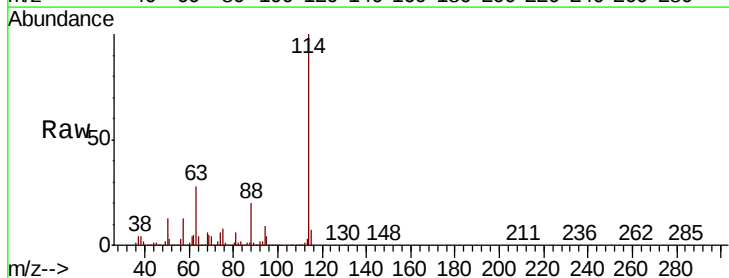
#30
Cvclohexane
Concen: 0.056 ppbv
RT: 7.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 18:32

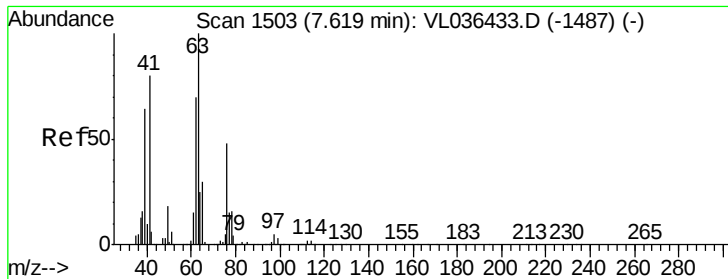
Tot Ion: 84 Resp: 6906
Ion Ratio Lower Upper
84 100
56 0.0 117.6 176.4#
41 17.0 75.9 113.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL036444.D
Acq: 3 Mar 2021 18:32

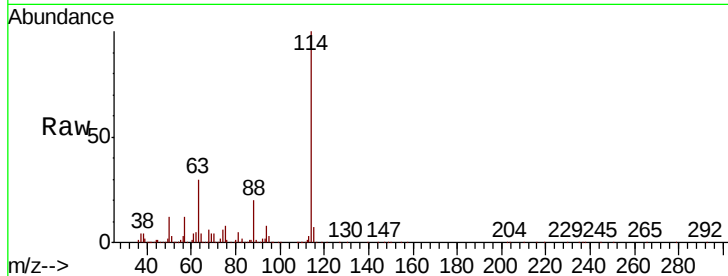
Tgt Ion: 114 Resp: 3633037
Ion Ratio Lower Upper
114 100
63 29.5 23.3 34.9
88 20.3 15.6 23.4



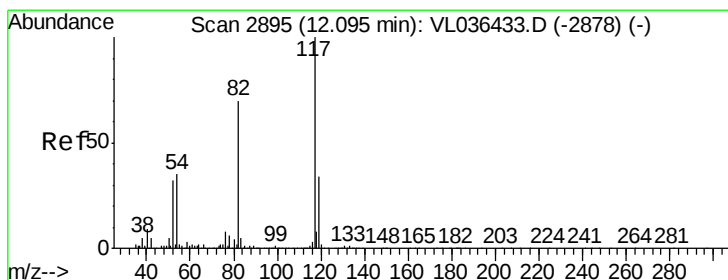
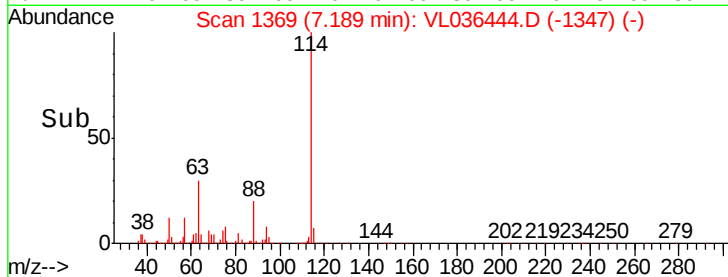
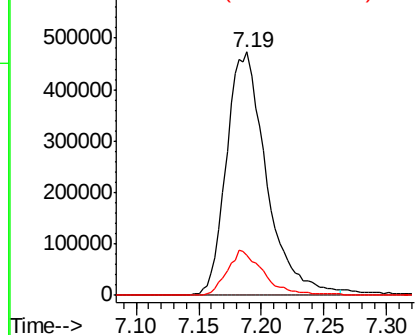


#39
 1,2-Dichloropropane
 Concen: 8.703 ppbv
 RT: 7.19
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 OC030221 CAN 10608
 Acq: 3 Mar 2021 18:32

Tot Ion: 63 Resp: 1043249
 Ion Ratio Lower Upper
 63 100
 41 0.1 64.4 96.6#
 62 16.7 55.7 83.5#

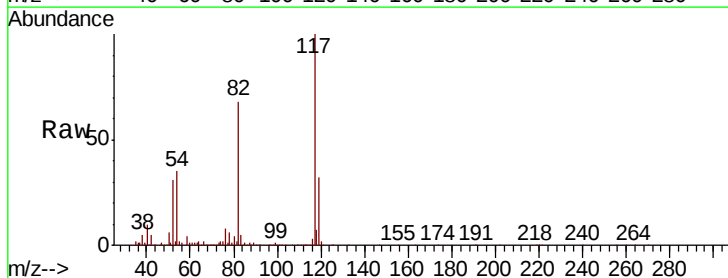


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

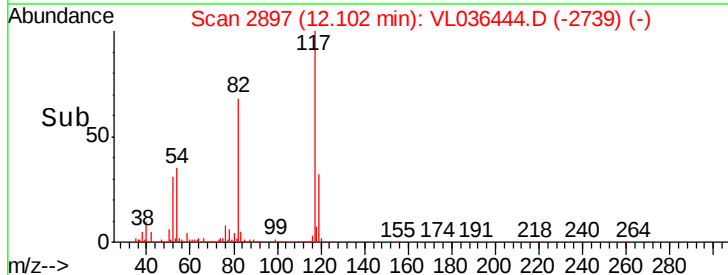
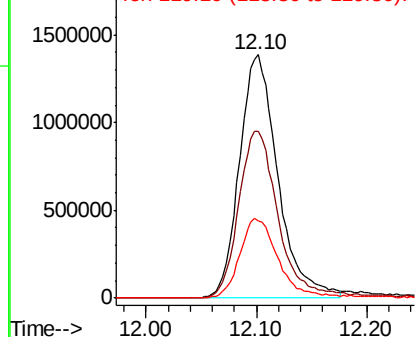


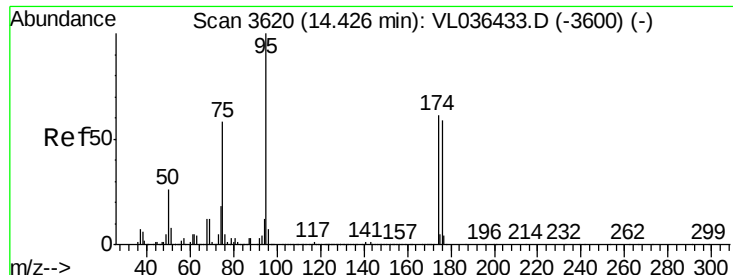
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T.: 0.01 min
 Lab File: VL036444.D
 Acq: 3 Mar 2021 18:32

Tgt Ion: 117 Resp: 3357172
 Ion Ratio Lower Upper
 117 100
 82 72.3 56.5 84.7
 119 33.6 27.0 40.4



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: 9.600 ppbv

RT: 14.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 18:52 OC030221 CAN 10608

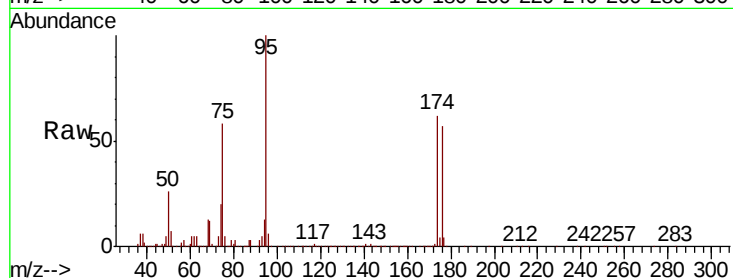
Tot Ion: 95 Resp: 2650421

Ion Ratio Lower Upper

95 100

174 66.5 51.0 76.4

175 4.7 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

